

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 09-16

JUNE 26, 2009

**PREPARED BY THE NATIONAL FLIGHT DATA CENTER, ATO-R
(AVAILABLE ON THE WEB AT [HTTP://NFDC.FAA.GOV](http://NFDC.FAA.GOV))**

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

**The following are corrected copies of procedures published in Transmittal Letter
09-15:**

Ashland, KY, Ashland Rgnl, RNAV (GPS) RWY 28, Orig-A

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
TERMINAL ROUTES								MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: RW28									
UCADU (IAF)		SOPVE (NOPT) (FB)		193.34 / 5.00		3300		CLIMB TO 3300 DIRECT JIBOK AND HOLD.									
TIBPU (IAF)		SOPVE (NOPT) (FB)		013.32 / 5.00		3300											
SOPVE (IF/IAF)		RAYOY (FB)		283.33 / 6.10		2100											
This is a corrected copy of a procedure published in TL 09-15, dated 12 Jun 2009. ** TAA Sector corrected. **								ADDITIONAL FLIGHT DATA: HOLD W, RT, 103.04 INBOUND. CHART FAS OBST: 1038 TOWER 383251N/0824048W CHART 1285 TOWER 383123N/0823920W. RAYOY TO RW28: 3.04/61									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)								MAG VAR: 5W EPOCH YEAR: 1995									
2. HOLD E SOPVE, RT, 283.33 INBOUND, 3300 FT. IN LIEU OF PT (IAF)																	
3. FAC: 283.25 FAF: RAYOY DIST FAF TO MAP: 4.63 THLD: 4.63																	
4. MIN. ALT: SOPVE 3300, RAYOY 2100, VASUY/3.30 NM TO RW28 1660																	
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: <u> </u>																	
MINIMUMS																	
TAKEOFF: <u> </u>		STANDARD ☐ X ☐		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A ☐		STANDARD @ <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		
LNAV MDA	1340	1	794	1340	1 1/4	794	1340	2 1/4	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 NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HUNTINGTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, LNAV AND CIRCLING CAT C, D VISIBILITY 1/4 MILE.																	
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, ORIG-A 30 JUL 2009				SUP:	
																AMDT: ORIG	
																DATED 01/15/2009	

QUALITY
CHECKED

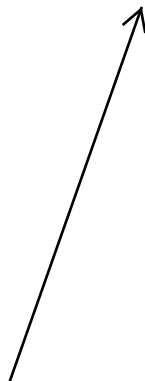
US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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TAA

	FROM	TO	ALT
1.	193/30 CW 013/30 (NOPT) 193/25 CW 013/25	193/25 CW 013/25 (IAF) (FB) SOPVE (IF/IAF) (FB)	3600 3300
2.	013/30 CW 103/30	TIBPU (IAF) (FB)	3300
3.	103/30 CW 193/30	UCADU (IAF) (FB)	3300

QUALITY
CHECKED

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, ORIG-A

30 JUL 2009

SUP:

AMDT: ORIG

DATED: 01/15/2009

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

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KDWUK5FR28	ASOPVE	010SOPVEK5EA0EE	AR	HF		28330040	+	03300	18000		B JS	I
SUSAP	KDWUK5FR28	ATIBPU	010TIBPUK5EA0E	A	IF					18000		B JS	I
SUSAP	KDWUK5FR28	ATIBPU	020SOPVEK5EA0EE		010TF		01330050	+	03300			B JS	I
SUSAP	KDWUK5FR28	AUCADU	010UCADUK5EA0E	A	IF					18000		B JS	I
SUSAP	KDWUK5FR28	AUCADU	020SOPVEK5EA0EE		010TF		19330050	+	03300			B JS	I
SUSAP	KDWUK5FR28	R	010SOPVEK5EA0E	I	IF			+	03300	18000		B JS	I
SUSAP	KDWUK5FR28	R	020RAYOYK5EA1E	F	051TF		28330061	+	02100			B JS	I
SUSAP	KDWUK5FR28	R	020RAYOYK5EA2WN			N	ALNAV					JS	I
SUSAP	KDWUK5FR28	R	021VASUYK5EA0E	S	031TF		28330013	V	0166001667		-304	B JS	I
SUSAP	KDWUK5FR28	R	030RW28	K5PG0GY	M	031TF	28330033		00606		-304	B JS	I
SUSAP	KDWUK5FR28	R	040JIBOKK5EA0EYM		010DF			+	03300			B JS	I
SUSAP	KDWUK5FR28	R	050JIBOKK5EA0EE		R020HM		10300040	+	03300			B JS	I

[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, ORIG-A
30 JUL 2009

SUP:	
AMDT:	ORIG
DATED:	01/15/2009

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SOPVE	SOPVE	010	IAF	HF	R	FO		283.3 (278T)	004.0	03300
	TIBPU	TIBPU	010	IAF	IF		FB				
	TIBPU	SOPVE	020		TF		FB	1.0	013.3 (008T)	005.0	03300
	UCADU	UCADU	010	IAF	IF		FB				
	UCADU	SOPVE	020		TF		FB	1.0	193.3 (188T)	005.0	03300
		SOPVE	010	FACF	IF		FB				03300
		RAYOY	020	PAF	TF		FB	0.5	283.3 (278T)	006.1	02100
		VASUY	021	SDF	TF		FB	0.3	283.3 (278T)	001.3	0166001667
		RW28	030	MAP	TF		FO	0.3	283.3 (278T)	003.3	00606

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JIBOK	040		DF		FO	1.0			03300
	JIBOK	050		HM	R	FO	2.0	103.0 (098T)	004.0	03300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	JIBOK	N383451.22	W0825825.91	N3834.854	W08258.432
	RAYOY	N383232.47	W0823751.21	N3832.541	W08237.854
	SOPVE	N383139.67	W0823009.89	N3831.661	W08230.165
	TIBPU	N382642.53	W0823105.21	N3826.709	W08231.087
	UCADU	N383636.81	W0822914.44	N3836.614	W08229.241
	VASUY	N383243.95	W0823932.13	N3832.733	W08239.536
	RW28	N383312.26	W0824341.93	N3833.204	W08243.699

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION
	TCH	
	RW28	00545
		61

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, ORIG-A
30 JUL 2009

SUP:
 AMDT: **ORIG**
 DATED: **01/15/2009**

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30674 Amdt. No. 3328]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

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

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

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

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

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

For Examination-

1. FAA Rules Docket, FAA Headquarters Building,
800 Independence Avenue, SW., Washington, DC 20591;
2. The FAA Regional Office of the region in which the
affected airport is located;
3. The National Flight Procedures Office, 6500 South
MacArthur Blvd., Oklahoma City, OK 73169 or,
4. The National Archives and Records Administration
(NARA). For information on the availability of this material at
NARA, call 202-741-6030, or go to:
http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

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

1. FAA Public Inquiry Center (APA-200), FAA Headquarters
Building, 800 Independence Avenue, SW., Washington, DC 20591; or
2. The FAA Regional Office of the region in which the
affected airport is located.

FOR FURTHER INFORMATION CONTACT: Harry J. Hodges, Flight
Procedure Standards Branch (AFS-420), Flight Technologies and
Programs Divisions, Flight Standards Service, Federal Aviation

Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd. Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082, Oklahoma City, OK 73125) Telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14 of the Code of Federal Regulations, Part 97 (14 CFR part 97), by establishing, amending, suspending, or revoking SIAPS, Takeoff Minimums and/or ODPS. The complete regulators description of each SIAP and its associated Takeoff Minimums or ODP for an identified airport is listed on FAA form documents which are incorporated by reference in this amendment under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR part 97.20. The applicable FAA Forms are FAA Forms 8260-3, 8260-4, 8260-5, 8260-15A, and 8260-15B when required by an entry on 8260-15A.

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

THE RULE

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

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

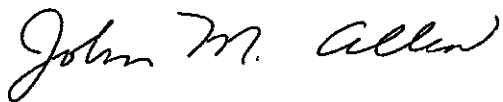
CONCLUSION

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on June 26, 2009

A handwritten signature in black ink that reads "John M. Allen". The signature is written in a cursive, flowing style.

John M. Allen
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) is amended by establishing, amending, suspending, or revoking Standard Instrument Approach Procedures and/or Takeoff Minimums and/or Obstacle Departure Procedures effective at 0902 UTC on the dates specified, as follows:

Part 97—Standard Instrument Approach Procedures

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

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

2. Part 97 is amended to read as follows:

Effective 30 JUL 2009

Merced, CA, Merced Rgnl/Macready Field, RNAV (GPS) RWY 30, Orig-B
Merced, CA, Merced Rgnl/Macready Field, VOR RWY 30, Orig-B
Pueblo, CO, Pueblo Memorial, RNAV (GPS) RWY 8L, Orig-A
Leonardtown, MD, St. Mary's County Rgnl, RNAV (GPS) RWY 29, Orig
Manville, NJ, Central Jersey Rgnl, VOR-A, Amdt 7
Readington, NJ, Solberg-Hunterdon, RNAV (GPS) RWY 22, Orig
Readington, NJ, Solberg-Hunterdon, Takeoff Minimums and Obstacle DP, Amdt 1
Readington, NJ, Solberg-Hunterdon, VOR-A, Amdt 9
Fulton, NY, Oswego County, ILS OR LOC RWY 33, Orig-A
Fulton, NY, Oswego County, RNAV (GPS) RWY 24, Amdt 1
Fulton, NY, Oswego County, VOR RWY 33, Amdt 5A
Mountain City, TN, Johnson County, Takeoff Minimums and Obstacle DP, Orig

Effective 27 AUG 2009

Klawock, AK, Klawock, Takeoff Minimums and Obstacle DP, Amdt 2
Mountain Village, AK, Mountain Village, Takeoff Minimums and Obstacle DP, Amdt 1
Scammon Bay, AK, Scammon Bay, GPS RWY 10, Orig-B, CANCELLED
Scammon Bay, AK, Scammon Bay, GPS RWY 28, Orig-A, CANCELLED
Scammon Bay, AK, Scammon Bay, RNAV (GPS) RWY 10, Orig
Scammon Bay, AK, Scammon Bay, RNAV (GPS) RWY 28, Orig
Scammon Bay, AK, Scammon Bay, RNAV (GPS)-B, Orig
Unalaska, AK, Unalaska, Takeoff Minimums and Obstacle DP, Amdt 3
Eagle, CO, Eagle County Rgnl, GYPSUM FOUR Graphic Obstacle DP
Eagle, CO, Eagle County Rgnl, Takeoff Minimum and Obstacle DP, Amdt 7
Gunnison, CO, Gunnison-Crested Butte Rgnl, RNAV (RNP) RWY 6, Orig
La Junta, CO, La Junta Muni, RNAV (GPS) RWY 8, Amdt 1
La Junta, CO, La Junta Muni, RNAV (GPS) RWY 26, Amdt 1
Tinian Island, CQ, Tinian Intl, RNAV (GPS) RWY 8, Amdt 1
Tinian Island, CQ, Tinian Intl, RNAV (GPS) RWY 26, Amdt 1
Tinian Island, CQ, Tinian Intl, Takeoff Minimums and Obstacle DP, Amdt 1
Fort Myers, FL, Page Field, Takeoff Minimums and Obstacle DP, Amdt 5
Titusville, FL, Space Coast Rgnl, GPS RWY 9, Orig-C, CANCELLED
Titusville, FL, Space Coast Rgnl, NDB OR GPS RWY 18, Amdt 12A, CANCELLED
Titusville, FL, Space Coast Rgnl, RNAV (GPS) Y RWY 9, Orig
Titusville, FL, Space Coast Rgnl, RNAV (GPS) RWY 18, Orig
Titusville, FL, Space Coast Rgnl, RNAV (GPS) Z RWY 18, Orig
New Orleans, LA, Lakefront, RNAV (GPS) RWY 36L, Orig
New Orleans, LA, Lakefront, VOR/DME RWY 36L, Amdt 9

Bangor, ME, Bangor Intl, Takeoff Minimums and Obstacle DP, Amdt 2
Flint, MI, Bishop Intl, RNAV (GPS) RWY 9, Amdt 1
Flint, MI, Bishop Intl, RNAV (GPS) RWY 18, Amdt 1
Flint, MI, Bishop Intl, RNAV (GPS) RWY 36, Amdt 1
Menominee, MI, Menominee-Marquette Twin County, NDB RWY 3, Amdt 3
Menominee, MI, Menominee-Marquette Twin County, RNAV (GPS) RWY 3, Orig
Menominee, MI, Menominee-Marquette Twin County, RNAV (GPS) RWY 21, Orig
Menominee, MI, Menominee-Marquette Twin County, Takeoff Minimums and Obstacle DP, Amdt 3
Menominee, MI, Menominee-Marquette Twin County, VOR-A, Amdt 3
Menominee, MI, Menominee-Marquette Twin County, VOR/DME RNAV OR GPS RWY 21, Amdt 1B, CANCELLED
Mount Pleasant, MI, Mount Pleasant Muni, RNAV (GPS) RWY 9, Orig
Mount Pleasant, MI, Mount Pleasant Muni, RNAV (GPS) RWY 27, Orig
Mount Pleasant, MI, Mount Pleasant Muni, Takeoff Minimums and Obstacle DP, Amdt 5
Mount Pleasant, MI, Mount Pleasant Muni, VOR RWY 27, Amdt 1
St Cloud, MN, St Cloud Rgnl, ILS OR LOC/DME RWY 13, Amdt 1
St Cloud, MN, St Cloud Rgnl, RNAV (GPS) RWY 13, Amdt 1
St Cloud, MN, St Cloud Rgnl, RNAV (GPS) RWY 31, Amdt 1
St Cloud, MN, St Cloud Rgnl, Takeoff Minimums and Obstacle DP, Orig
Fairmont, NE, Fairmont State Airfield, RNAV (GPS) RWY 17, Amdt 1
Fairmont, NE, Fairmont State Airfield, RNAV (GPS) RWY 35, Amdt 1
Fairmont, NE, Fairmont State Airfield, Takeoff Minimums and Obstacle DP, Orig
York, NE, York Muni, RNAV (GPS) RWY 17, Orig
York, NE, York Muni, RNAV (GPS) RWY 35, Orig
York, NE, York Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Eugene, OR, Mahlon Sweet Field, RNAV (GPS) RWY 34R, Orig-A
Philadelphia, PA, Philadelphia Intl, RNAV (GPS) Y RWY 9L, Amdt 1A
Philadelphia, PA, Philadelphia Intl, RNAV (GPS) Y RWY 9R, Amdt 2A
Philadelphia, PA, Philadelphia Intl, RNAV (RNP) Z RWY 9L, Orig
Philadelphia, PA, Philadelphia Intl, RNAV (RNP) Z RWY 9R, Orig
Charleston, SC, Charleston Executive, RNAV (GPS) RWY 4, Orig
Hartsville, SC, Hartsville Regional, GPS RWY 3, Orig-A, CANCELLED
Hartsville, SC, Hartsville Regional, GPS RWY 21, Orig-A, CANCELLED
Hartsville, SC, Hartsville Regional, NDB RWY 3, Amdt 1
Hartsville, SC, Hartsville Regional, NDB RWY 21, Amdt 1
Hartsville, SC, Hartsville Regional, RNAV (GPS) RWY 3, Orig
Hartsville, SC, Hartsville Regional, RNAV (GPS) RWY 21, Orig
Vermillion, SD, Harold Davidson Field, NDB OR GPS RWY 30, Amdt 1A, CANCELLED
Vermillion, SD, Harold Davidson Field, RNAV (GPS) RWY 30, Orig
Vermillion, SD, Harold Davidson Field, Takeoff Minimums and Obstacle DP, Amdt 1
Watertown, SD, Watertown Rgnl, NDB RWY 35, Amdt 9

Watertown, SD, Watertown Rgnl, RNAV (GPS) RWY 30, Amdt 1
Watertown, SD, Watertown Rgnl, RNAV (GPS) RWY 35, Orig
Provo, UT, Provo Muni, ILS OR LOC/DME RWY 13, Amdt 1
Provo, UT, Provo Muni, PROVO FOUR Graphic Obstacle DP
Provo, UT, Provo Muni, RNAV (GPS) RWY 13, Amdt 1
Provo, UT, Provo Muni, VOR RWY 13, Amdt 3A, CANCELLED
Provo, UT, Provo Muni, VOR/DME RWY 13, Amdt 2
Staunton/Waynesboro/Harrisonburg, VA, Shenandoah Valley Rgnl, GPS RWY 23, Orig, CANCELLED
Staunton/Waynesboro/Harrisonburg, VA, Shenandoah Valley Rgnl, ILS OR LOC RWY 5, Amdt 9
Staunton/Waynesboro/Harrisonburg, VA, Shenandoah Valley Rgnl, NDB RWY 5, Amdt 10
Staunton/Waynesboro/Harrisonburg, VA, Shenandoah Valley Rgnl, RNAV (GPS) RWY 5, Orig
Staunton/Waynesboro/Harrisonburg, VA, Shenandoah Valley Rgnl, RNAV (GPS) RWY 23, Orig
Staunton/Waynesboro/Harrisonburg, VA, Shenandoah Valley Rgnl, SHENANDOAH ONE Graphic Obstacle DP
Staunton/Waynesboro/Harrisonburg, VA, Shenandoah Valley Rgnl, Takeoff Minimums and Obstacle DP, Amdt 6
Kenosha, WI, Kenosha Rgnl, ILS OR LOC RWY 7L, Amdt 3
Kenosha, WI, Kenosha Rgnl, NDB OR GPS RWY 6L, Amdt 1C, CANCELLED
Kenosha, WI, Kenosha Rgnl, RNAV (GPS) RWY 7L, Orig
Kenosha, WI, Kenosha Rgnl, RNAV (GPS) RWY 15, Orig
Kenosha, WI, Kenosha Rgnl, RNAV (GPS) RWY 25R, Orig
Kenosha, WI, Kenosha Rgnl, RNAV (GPS) RWY 33, Orig
Kenosha, WI, Kenosha Rgnl, Takeoff Minimums and Obstacle DP, Orig
Kenosha, WI, Kenosha Rgnl, VOR RWY 15, Amdt 1
Kenosha, WI, Kenosha Rgnl, VOR RWY 25R, Amdt 1
Lewisburg, WV, Greenbrier Valley, GPS RWY 4, Amdt 1A, CANCELLED
Lewisburg, WV, Greenbrier Valley, GPS RWY 22, Amdt 1A, CANCELLED
Lewisburg, WV, Greenbrier Valley, ILS OR LOC RWY 4, Amdt 10
Lewisburg, WV, Greenbrier Valley, RNAV (GPS) RWY 4, Orig
Lewisburg, WV, Greenbrier Valley, RNAV (GPS) RWY 22, Orig
Lewisburg, WV, Greenbrier Valley, Takeoff Minimums and Obstacle DP, Amdt 4
Lewisburg, WV, Greenbrier Valley, VOR RWY 4, Amdt 1
Lewisburg, WV, Greenbrier Valley, VOR RWY 22, Amdt 1

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW30 CLIMB TO 3000 DIRECT ZEXIK AND VIA TRACK 247.39 TO VOLTA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 329.44 INBOUND. CHART FAS OBST: 244 TREE 371624N/1202945W DISTANCE TO THLD FROM 294 HAT: 0.76 NM. CHART VDP AT 0.91 MILES TO RW30* *LNAV ONLY. WAAS CHANNEL # 93709 REFERENCE PATH ID: W30A											
VOLTA	ROOTH (FB)	107.09 / 31.91	3600												
PXN VORTAC	ROOTH (FB)	032.00 / 24.17	4700												
ROOTH (IAF)	CHOWA (FB)	032.22 / 8.00	3600												
LAPOW (IAF)	CHOWA (FB)	213.48 / 10.59	3600												
CHOWA (IF)	HOKUP (FB)	303.62 / 10.29	2000												
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT CHOWA 3. FAC: <u>303.54</u> FAF: <u>HOKUP</u> DIST FAF TO MAP: <u>5.54</u> THLD: <u>5.54</u> 4. MIN. ALT: <u>CHOWA 3600, HOKUP 2000</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>HOKUP</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>52.4</u> <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW30 5600</u>				MAG VAR: 15E EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF:	STANDARD	X	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	449	3/4	294	449	3/4	294	449	3/4	294	449	3/4	294			
LNAV/VNAV DA	514	3/4	359	514	3/4	359	514	3/4	359	514	3/4	359			
LNAV MDA	500	3/4	345	500	3/4	345	500	3/4	345	500	1	345			
CIRCLING	560	1	405	620	1	465	620	1 1/2	465	720	2	565			
NOTES: CHART NOTE: CIRCLING NA NE OF RWY 12-30. CHART NOTE: BARO-VNAV NA WHEN USING MERCED/CASTLE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 155 TDZE: 155		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
MERCED, CA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 30, ORIG-B				AMDT: ORIG-A					
		MERCED RGNL/MACREADY FIELD				30 JUL 2009				DATED 06/04/2009					



**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.****CHART NOTE: VDP NA WHEN USING CASTLE ALTIMETER SETTING****CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV VISIBILITIES CAT A, B, C TO 1 MILE AND CAT D TO 1 1/4 MILE.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CASTLE ALTIMETER SETTING AND INCREASE ALL DA/MDA 20 FEET. INOPERATIVE TABLE DOES NOT APPLY.**

CITY AND STATE

MERCED, CA

ELEVATION: 155

TDZE: 155

AIRPORT NAME:

MERCED RGNL/MACREADY FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG-B

30 JUL 2009

SUP:

AMDT: ORIG-A

DATED: 06/04/2009

RNAV (GPS) 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 INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMCE
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	371643.1645N
LTP/FTP LONGITUDE	1203025.8595W
LTP/FTP ELLIPSOIDAL HEIGHT	+00153
FPAP LATITUDE	371726.8700N
FPAP LONGITUDE	1203114.2000W
THRESHOLD CROSSING HEIGHT (TCH)	00052.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

E75B90D6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00473
FPAP ORTHOMETRIC HEIGHT	+00473

CITY AND STATE

MERCED, CA

ELEVATION: 155 TDZE: 155

AIRPORT NAME:

MERCED RGNL/MACREADY FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG-B

30 JUL 2009

SUP:

AMDT: ORIG-A

DATED: 06/04/2009

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMCEK2FR30	ALAPOW	010LAPOWK2EA0E	A	IF					18000		A	S
SUSAP	KMCEK2FR30	ALAPOW	020CHOWAK2EA0EE		010TF		21350106	+	03600			A	S
SUSAP	KMCEK2FR30	APXN	010PXN	K2D	0V					18000		A	S
SUSAP	KMCEK2FR30	APXN	020ROOTHK2EA0E	A	020TF		03200242	+	04700			A	S
SUSAP	KMCEK2FR30	APXN	030CHOWAK2EA0EE		010TF		03220080	+	03600			A	S
SUSAP	KMCEK2FR30	AVOLTA	010VOLTAK2EA0E		IF					18000		A	S
SUSAP	KMCEK2FR30	AVOLTA	020ROOTHK2EA0E	A	020TF		10710319	+	03600			A	S
SUSAP	KMCEK2FR30	AVOLTA	030CHOWAK2EA0EE		010TF		03220080	+	03600			A	S
SUSAP	KMCEK2FR30	R	010CHOWAK2EA0E	I	IF			+	03600	18000		A	S
SUSAP	KMCEK2FR30	R	020HOKUPK2EA1E	F	051TF		30360103	+	02000		RW30	K2PGA	S
SUSAP	KMCEK2FR30	R	020HOKUPK2EA2WALPV			ALNAV/VNAV	ALNAV						S
SUSAP	KMCEK2FR30	R	030RW30	K2PG0GY	M	031TF	30350055		00207	-300		A	S
SUSAP	KMCEK2FR30	R	040ZEXIKK2EA0E	M	010DF							A	S
SUSAP	KMCEK2FR30	R	050VOLTAK2EA0EY		010TF		2474	+	03000			A	S
SUSAP	KMCEK2FR30	R	060VOLTAK2EA0EE	HR020HM			32940040	+	03000			A	S

CITY AND STATE MERCED, CA	ELEVATION: 155 TDZE: 155 AIRPORT NAME: MERCED RGNL/MACREADY FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG-B 30 JUL 2009	SUP:
				AMDT: ORIG-A
				DATED: 06/04/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP	KMCEK2GRW30	0059143035	N37164316W120302586+0000										

PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP	KMCEK2PR30	RW30 001	0000W30A0N3716431645W12030258595+001530300N3717268700W12031142000106750000000524F400500E75B90D6										
SUSAP	KMCEK2PR30	RW30 002E	+00473+00473LPV	93709									

MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP	KMCEK2SRW30 K2PG		0	18018005625									M

CITY AND STATE
MERCED, CA

ELEVATION: 155 TDZE: 155
AIRPORT NAME:
MERCED RGNL/MACREADY FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 30, ORIG-B
30 JUL 2009

SUP:
AMDT: ORIG-A
DATED: 06/04/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LAPOW	LAPOW	010	IAF	IF		FB				
	LAPOW	CHOWA	020		TF		FB	1.0	213.5 (229T)	010.6	03600
	PXN	PXN	010		IF		FB				
	PXN	ROOTH	020	IAF	TF		FB	2.0	032.0 (047T)	024.2	04700
	PXN	CHOWA	030		TF		FB	1.0	032.2 (047T)	008.0	03600
	VOLTA	VOLTA	010		IF		FB				
	VOLTA	ROOTH	020	IAF	TF		FB	2.0	107.1 (122T)	031.9	03600
	VOLTA	CHOWA	030		TF		FB	1.0	032.2 (047T)	008.0	03600
		CHOWA	010	FACF	IF		FB				03600
		HOKUP	020	FAF	TF		FB	0.5	303.6 (319T)	010.3	02000
		RW30	030	MAP	TF		FO	0.3	303.5 (319T)	005.5	00207

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZEXIK	040		DF		FB	1.0			
	VOLTA	050		TF		FO	1.0	247.4 (262T)		03000
	VOLTA	060		HM	R	FO	2.0	329.4 (344T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PXN	N364255.62	W1204643.25	N3642.927	W12046.721
	CHOWA	N370450.18	W1201718.99	N3704.836	W12017.317
	HOKUP	N371233.75	W1202549.90	N3712.563	W12025.832
	LAPOW	N371152.27	W1200724.50	N3711.871	W12007.408
	ROOTH	N365923.92	W1202439.40	N3659.399	W12024.657
	VOLTA	N371627.21	W1205824.35	N3716.454	W12058.406
	ZEXIK	N371911.59	W1203310.30	N3719.193	W12033.172
	RW30	N371643.16	W1203025.86	N3716.719	W12030.431

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW30	00155	52

CITY AND STATE
MERCED, CA

ELEVATION: 155 TDZE: 155
 AIRPORT NAME:
MERCED RGNL/MACREADY FIELD

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:
RNAV (GPS) RWY 30, ORIG-B
30 JUL 2009

SUP:
 AMDT: **ORIG-A**
 DATED: **06/04/2009**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 6.23 MILES AFTER HYP VOR/DME OR AT HYP 6.23 DME FIX									
VOLTA INT		HYP VOR/DME		082.00 / 27.65				2200		CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2200 DIRECT HYP VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 288.62 INBOUND. CHART FAS OBST: 289 TREE 371435N/1202422W CHART 473 TOWER 371642N/1202657W CHART VDP AT 5.14 DME; DISTANCE VDP TO THLD 1.10 MILES. HYP VOR/DME TO RW30: 3.01/54 FAC CROSSES RWY C/L EXTENDED 2994 FROM THLD. FAC IS A FLIGHT CHECK VALUE.									
TURLO INT		HYP VOR/DME		175.00 / 12.80				2200											
CZQ VORTAC (IAF)		DOFER INT (NOPT)		290.72 / 24.54				2200											
DOFER INT (IF)		HYP VOR/DME		290.37 / 10.00				2200											
1. PT <u>L</u> SIDE OF COURSE <u>108.62</u> OUTBOUND <u>2200</u> FT WITHIN <u>10</u> MILES OF <u>HYP VOR/DME</u> (IAF) 2. _____ 3. FAC <u>288.62</u> FAF <u>HYP VOR/DME</u> DIST FAF TO MAP <u>6.23</u> THLD <u>6.23</u> 4. MIN. ALT <u>HYP VOR/DME 2200</u> 8. MSA FROM: <u>HYP VOR/DME 350-080 5600, 080-170 3300, 170-260 2200, 260-350 3000</u>														MAG VAR: 15E		EPOCH YEAR: 1990			
MINIMUMS																			
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A			B			C			D			E					
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
S-30		560	3/4	405	560	3/4	405	560	3/4	405	560	1	405						
CIRCLING		560	1	405	620	1	465	620	1 1/2	465	720	2	565						
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-30 CAT A AND B VISIBILITY TO 1 MILE, AND CAT D TO 1 1/4 MILE. CHART NOTE: CIRCLING NA NE OF RWY 12 AND 30. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10																			
CITY AND STATE MERCED, CA				ELEVATION: 155 TDZE: 155 AIRPORT NAME: MERCED RGNL/MACREADY FIELD				FACILITY IDENTIFIER: HYP		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 30, ORIG-B 30 JUL 2009				SUP					
														AMDT		ORIG-A			
														DATE		06/04/2009			

**VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR PART 97.23**

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NOTES CONT.**CHART NOTE: VDP NA WHEN USING CASTLE ALTIMETER SETTING.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CASTLE ALTIMETER SETTING AND INCREASE ALL MDAS 20 FEET.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CZQ VORTAC ON AIRWAY RADIALS 243 CW 348.**

CITY AND STATE

MERCED, CA

ELEVATION: 155

TDZE: 155

AIRPORT NAME:

MERCED RGNL/MACREADY FIELD

FACILITY
IDENTIFIER:
HYP

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 30, ORIG-B

30 JUL 2009

SUP:

AMDT: ORIG-A

DATED: 06/04/2009

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW08L CLIMB TO 7000 DIRECT HELER AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 257.45 INBOUND. CHART FAS OBST: 4899 T-LINE 381746N/1043203W CHART: 5036 TOWER 381748N/1043848W DISTANCE TO THLD FROM 250 HAT: 0.59 NM. CHART VDP AT 1.35 MILES TO RW08L * LNAV ONLY. WAAS CHANNEL # 61011 REFERENCE PATH ID: W08A								
HUNER	ASUNE (FB)	274.20 / 15.25	8000									
ASUNE (IAF)	YIPUK (FB)	347.10 / 5.00	7400									
STANO (IAF)	YIPUK (FB)	128.69 / 3.30	7400									
YIPUK (IF)	JOSEJ (FB)	077.10 / 6.31	6900									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT YIPUK 3. FAC: <u>077.18</u> FAF: <u>JOSEJ</u> DIST FAF TO MAP: <u>6.69</u> THLD: <u>6.69</u> 4. MIN. ALT: <u>YIPUK 7400, JOSEJ 6900, VUCNU/2.50 NM TO RW08L 5520*</u> 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>6900</u> GS ALT AT: <u>JOSEJ</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>62.4</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW08L 10500</u>				MAG VAR: <u>11E</u> EPOCH YEAR: <u>1985</u>								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4918	1/2	250	4918	1/2	250	4918	1/2	250	4918	1/2	250
LNAV/VNAV DA	5227	1 1/2	559	5227	1 1/2	559	5227	1 1/2	559	5227	1 1/2	559
LNAV MDA	5160	1/2	492	5160	1/2	492	5160	3/4	492	5160	1	492
CIRCLING	5340	1	614	5340	1	614	5340	1 3/4	614	5380	2	654
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24C (-11F) OR ABOVE 40C (104F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT STANO VIA V244 WESTBOUND. SEE 8260-10												
CITY AND STATE		ELEVATION: 4726 TDZE: 4668		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
PUEBLO, CO		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 8L, ORIG-A		AMDT: ORIG				
		PUEBLO MEMORIAL				30 JUL 2009		DATED 07/02/2009				

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.***LNAV ONLY**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LA JUNTA ALTIMETER SETTING AND INCREASE

ALL DA/MDA 200 FEET AND INCREASE VISIBILITIES: LPV ALL CATS 1/2 MILE, LNAV/VNAV ALL CATS 3/4

MILE, LNAV CATS C AND D 3/4 MILE, AND CIRCLING CAT B 1/4 MILE, CATS C AND D 3/4 MILE.

CHART NOTE: WHEN USING LA JUNTA ALTIMETER SETTING, FOR INOPERATIVE MALSR INCREASE LPV ALL CATS

VISIBILITY 1/2 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LA JUNTA ALTIMETER SETTING.

CITY AND STATE

PUEBLO, CO

ELEVATION: 4726 TDZE: 4668

AIRPORT NAME:

PUEBLO MEMORIAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8L, ORIG-A

30 JUL 2009

SUP:

AMDT: ORIG

DATED: 07/02/2009

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KPUB
RUNWAY	RW08L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	381713.6500N
LTP/FTP LONGITUDE	1043036.2300W
LTP/FTP ELLIPSOIDAL HEIGHT	+14037
FPAP LATITUDE	381716.9000N
FPAP LONGITUDE	1042818.6500W
THRESHOLD CROSSING HEIGHT (TCH)	00062.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0144
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	4979CDD1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+14224
FPAP ORTHOMETRIC HEIGHT	+14224

CITY AND STATE PUEBLO, CO	ELEVATION: 4726 TDZE: 4668	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8L, ORIG-A 30 JUL 2009	SUP:
	AIRPORT NAME: PUEBLO MEMORIAL			AMDT: ORIG
	DATED: 07/02/2009			

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KPUBK2FR08L	AHUNER	010HUNERK2EA0E	IF						18000		A JS	
SUSAP	KPUBK2FR08L	AHUNER	020ASUNEK2EA0E	A 020TF		27420153		+ 08000				A JS	
SUSAP	KPUBK2FR08L	AHUNER	030YIPUKK2EA0EE	010TF		34710050		+ 07400				A JS	
SUSAP	KPUBK2FR08L	ASTANO	010STANOK2EA0E	A IF						18000		A JS	
SUSAP	KPUBK2FR08L	ASTANO	020YIPUKK2EA0EE	010TF		12870033		+ 07400				A JS	
SUSAP	KPUBK2FR08L	R	010YIPUKK2EA0E	I IF				+ 07400		18000		A JS	
SUSAP	KPUBK2FR08L	R	020JOSEJK2EA1E	F 051TF		07710063		+ 06900			RW08L K2PGA	JS	
SUSAP	KPUBK2FR08L	R	020JOSEJK2EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KPUBK2FR08L	R	021VUCNUK2EA0E	S 031TF		07720042		V 0552005532		-300		A JS	
SUSAP	KPUBK2FR08L	R	030RW08LK2PGOGY	M 031TF		07720025		04729		-300		A JS	
SUSAP	KPUBK2FR08L	R	040HELERK2EA0EYM	010DF				+ 07000				A JS	
SUSAP	KPUBK2FR08L	R	050HELERK2EA0EE	HR020HM		25750070		+ 07000				A JS	

[illegible]

CITY AND STATE PUEBLO, CO	ELEVATION: 4726 TDZE: 4668 AIRPORT NAME: PUEBLO MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8L, ORIG-A 30 JUL 2009	SUP:	
				AMDT:	ORIG
				DATED:	07/02/2009

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

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[illegible]

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

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HUNER	HUNER	010		IF		FB				
	HUNER	ASUNE	020	IAF	TF		FB	2.0	274.2 (285T)	015.3	08000
	HUNER	YIPUK	030		TF		FB	1.0	347.1 (358T)	005.0	07400
	STANO	STANO	010	IAF	IF		FB				
	STANO	YIPUK	020		TF		FB	1.0	128.7 (140T)	003.3	07400
		YIPUK	010	FAF	IF		FB				07400
		JOSEJ	020	FAF	TF		FB	0.5	077.1 (088T)	006.3	06900
		VUCNU	021	SDF	TF		FB	0.3	077.2 (088T)	004.2	0552005532
		RW08L	030	MAP	TF		FO	0.3	077.2 (088T)	002.5	04729

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HELER	040		DF		FO	1.0			07000
	HELER	050		HM	R	FO	2.0	257.5 (269T)	007.0	07000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ASUNE	N381148.76	W1044653.75	N3811.813	W10446.896
	HELER	N381737.43	W1041303.92	N3817.624	W10413.065
	HUNER	N380750.12	W1042813.96	N3807.835	W10428.233
	JOSEJ	N381701.21	W1043905.98	N3817.020	W10439.100
	STANO	N381920.32	W1044949.29	N3819.339	W10449.822
	VUCNU	N381709.07	W1043346.66	N3817.151	W10433.778
	YIPUK	N381648.92	W1044706.37	N3816.815	W10447.106
	RW08L	N381713.65	W1043036.23	N3817.228	W10430.604

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW08L	04667		62

CITY AND STATE
PUEBLO, CO

ELEVATION: 4726 TDZE: 4668
 AIRPORT NAME:
PUEBLO MEMORIAL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 8L, ORIG-A
30 JUL 2009

SUP:
 AMDT: **ORIG**
 DATED: **07/02/2009**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
COLIN	FABUS (FB)	080.72 / 16.78	2000	LPV: DA LNAV/VNAV: DA LNAV: RW29 CLIMB TO 5000 DIRECT ONAFE AND LEFT TURN VIA TRACK 190.59 TO COLIN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD W, RT, 080.72 INBOUND. CHART FAS OBST: 310 TANK 381821N/0763238W CHART R-4005, R-4007, R-6611A, R-6613A. DISTANCE TO THLD FROM 343 HAT: 0.94 NM. CHART VDP AT 1.45 MILES TO RW29* *LNAV ONLY. WAAS CHANNEL # 61313 REFERENCE PATH ID: W29A								
FABUS (IAF)	JAGUX (FB)	022.46 / 5.00	2000									
GOFER (IAF)	JAGUX (FB)	198.39 / 8.83	2000									
JAGUX (IF)	ASIZE (FB)	292.47 / 6.10	2000									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT JAGUX 3. FAC: <u>292.39</u> FAF: <u>ASIZE</u> DIST FAF TO MAP: <u>5.34</u> THLD: <u>5.34</u> 4. MIN. ALT: <u>JAGUX 2000, ASIZE 2000</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u>150</u> HAT: <u>100</u> HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>ASIZE 2000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.20</u> TCH: <u>34.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW29 2100</u>				MAG VAR: <u>10W</u> EPOCH YEAR: <u>1995</u>								
MINIMUMS												
TAKEOFF: <u> </u> STANDARD <u>X</u> SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: <u>NA</u> STANDARD @ <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
LPV DA	480	1 1/4	343	480	1 1/4	343	NA	NA	NA	NA	NA	NA
LNAV/VNAV DA	610	1 3/4	473	610	1 3/4	473	NA	NA	NA	NA	NA	NA
LNAV MDA	620	1	483	620	1	483	NA	NA	NA	NA	NA	NA
CIRCLING	660	1	518	660	1	518	NA	NA	NA	NA	NA	NA
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT COLIN VIA V16-157-213 SOUTHWEST BOUND AND AT SEE 8260-10												
CITY AND STATE		ELEVATION: 142 TDZE: 137		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
LEONARDTOWN, MD		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 29, ORIG		AMDT: NONE				
		ST. MARY'S COUNTY RGNL				30 JUL 2009		DATED				

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

GOFER VIA V16-157-213-229 NORTHEAST BOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PATUXENT RIVER ALTIMETER SETTING AND INCREASE ALL DA 31 FEET AND ALL MDA 40 FEET.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PUTAXENT RIVER ALTIMETER SETTING.

QUALITY
2
CHECKED

CITY AND STATE

LEONARDTOWN, MD

ELEVATION: 142 TDZE: 137

AIRPORT NAME:

ST. MARY'S COUNTY RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, ORIG

30 JUL 2009

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER 2W6
RUNWAY RW29
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W29A
REFERENCE PATH IDENTIFIER (APPROACH ID) 381850.9085N
LTP/FTP LATITUDE 0763234.9850W
LTP/FTP LONGITUDE +00040
LTP/FTP ELLIPSOIDAL HEIGHT 381909.9300N
FPAP LATITUDE 0763425.6000W
FPAP LONGITUDE 00034.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.20
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 1488
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

837AB956

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00381
FPAP ORTHOMETRIC HEIGHT +00381

QUALITY
2
CHECKED

CITY AND STATE

LEONARDTOWN, MD

ELEVATION: 142 TDZE: 137

AIRPORT NAME:

ST. MARY'S COUNTY RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, ORIG

30 JUL 2009

SUP:

AMDT: NONE

DATED:

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

[illegible]

SUP:	
AMDT:	NONE
DATED:	

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[illegible]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	COLIN	COLIN	010		IF		FB				
	COLIN	FABUS	020	IAF	TF		FB	2.0	080.7 (071T)	016.8	02000
	COLIN	JAGUX	030		TF		FB	1.0	022.5 (013T)	005.0	02000
	GOFER	GOFER	010	IAF	IF		FB				
	GOFER	JAGUX	020		TF		FB	1.0	198.4 (188T)	008.8	02000
		JAGUX	010	FACF	IF		FB				02000
		ASIZE	020	FAF	TF		FB	0.5	292.5 (283T)	006.1	02000
		RW29	030	MAP	TF		FO	0.3	292.4 (282T)	005.4	00159

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ONAFE	040		DF		FB	1.0			
	COLIN	050		TF	L	FO	1.0	190.6 (181T)		05000
	COLIN	060		HM	R	FO	2.0	080.7 (071T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ASIZE	N381742.23	W0762557.06	N3817.704	W07625.951
	COLIN	N380559.23	W0763950.85	N3805.987	W07639.848
	FABUS	N381130.19	W0761945.59	N3811.503	W07619.760
	GOFER	N382507.84	W0761645.30	N3825.131	W07616.755
	JAGUX	N381623.44	W0761823.42	N3816.391	W07618.390
	ONAFE	N382003.77	W0763939.82	N3820.063	W07639.664
	RW29	N381850.91	W0763234.99	N3818.849	W07632.583

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW29	00125		34

CITY AND STATE
LEONARDTOWN, MD

ELEVATION: 142 TDZE: 137
 AIRPORT NAME:
 ST. MARY'S COUNTY RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 29, ORIG
 30 JUL 2009

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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 SBJ VOR/DME OR AT SJI 7.31 DME FIX														
SWEET INT					SBJ VOR/DME					160.53 / 16.90					2800					CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2500 DIRECT SBJ VOR/DME AND HOLD.														
METRO INT					SBJ VOR/DME					350.99 / 10.17					2500																			
															ADDITIONAL FLIGHT DATA: CHART FAS OBST: 279 TANK 403205N/0743809W 173 TREE 403112N/0743631W FAC CROSSES MID POINT OF RWY 07-25.																			
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>HOLD NW SBJ VOR/DME, LT, 128.12 INBOUND, 2500 FT. IN LIEU OF PT (IAF)</u> 3. FAC <u>128.12</u> FAF <u>SBJ VOR/DME</u> DIST FAF TO MAP <u>7.31</u> THLD <u> </u> 4. MIN. ALT <u>SBJ VOR/DME 2500</u> 8. MSA FROM: <u>SBJ VOR/DME 270-090 2900, 090-270 2200</u>																																		
															MAG VAR: 10W										EPOCH YEAR: 1965									
MINIMUMS																																		
TAKEOFF: <u> </u>					STANDARD ☒					SEE FAA FORM 8260-15A FOR THIS AIRPORT					ALTERNATE: N A ☒																			
CATEGORY <u>=====</u>					A					B					C					D					E									
					MDA		VIS		HAT/HAA		MDA		VIS		HAT/HAA		MDA		VIS		HAT/HAA		MDA		VIS		HAT/HAA							
CIRCLING					720		1		634		720		1		634		720		1 3/4		634				NA									
NOTES: CHART NOTE: USE TRENTON MERCER ALTIMETER SETTING; WHEN NOT RECEIVED, USE NEWARK LIBERTY INTL ALTIMETER SETTING.																																		
CITY AND STATE					ELEVATION: 86 TDZE:					FACILITY IDENTIFIER:					PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP VOR OR GPS-A														
MANVILLE, NJ					AIRPORT NAME:					SBJ					VOR-A, AMDT 7					AMDT 6														
					CENTRAL JERSEY REGIONAL										30 JUL 2009					DATE 03/15/2007														

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
PIYIN (IAF)	DODLY (NOPT) (FB)	253.78 / 6.40	3000	LNAV: RW22	
DODLY (IF/IAF)	CAVZA (FB)	219.60 / 5.05	1800	CLIMB TO 2600 DIRECT MOSSE AND HOLD.	
				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 039.44 INBOUND. CHART FAS OBST: 362 TOWER 403624N/0744208W CAVZA TO RW22: 3.04/40	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE DODLY, RT, 219.60 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 219.56 FAF: CAVZA DIST FAF TO MAP: 4.95 THLD: 4.95
- MIN. ALT: DODLY 3000, CAVZA 1800
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW22 2900

MAG VAR: 10W

EPOCH YEAR: 1965

MINIMUMS

TAKEOFF:		STANDARD	X	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		620	1	435	620	1	435		NA			NA				
CIRCLING		680	1	485	680	1	485		NA			NA				

NEWARK LIBERTY INTL ALTIMETER SETTING MINIMUMS

LNAV MDA	700	1	515	700	1	515		NA			NA					
CIRCLING	780	1	585	780	1	585		NA			NA					

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED USE NEWARK LIBERTY INTL ALTIMETER SETTING.
 SEE 8260-10

QUALITY
CHECKED

CITY AND STATE READINGTON, NJ	ELEVATION: 195 TDZE: 185	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 30 JUL 2009	SUP:
	AIRPORT NAME: SOLBERG-HUNTERDON			AMDT: NONE
				DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PIYIN VIA V3-405-419 NORTHEAST BOUND AND V213 NORTHBOUND

QUALITY
7
CHECKED

CITY AND STATE
READINGTON, NJ

ELEVATION: 195 TDZE: 185
AIRPORT NAME:
SOLBERG-HUNTERDON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 22, ORIG
30 JUL 2009

SUP:
AMDT: NONE
DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP N51 K6FR22	ADODLY	010D	DOLYK6EA0EE	AR	HF		21960040	+	03000	18000		B	JS
SUSAP N51 K6FR22	APIYIN	010P	IYINK6EA0E	A	IF					18000		B	JS
SUSAP N51 K6FR22	APIYIN	020D	DOLYK6EA0EE		010TF		25380064	+	03000			B	JS
SUSAP N51 K6FR22	R		010D	DOLYK6EA0E	I	IF		+	03000	18000		B	JS
SUSAP N51 K6FR22	R		020C	AVZAK6EA1E	F	051TF	21960051	+	01800		RW22	K6PGB	JS
SUSAP N51 K6FR22	R		020C	AVZAK6EA2WN		N	ALNAV						JS
SUSAP N51 K6FR22	R		030R	W22 K6PG	OGY M	031TF	21960050		00202	-304		B	JS
SUSAP N51 K6FR22	R		040M	OSSEK6EA0EYM		010DF		+	02600			B	JS
SUSAP N51 K6FR22	R		050M	OSSEK6EA0EE		R020HM	03940040	+	02600			B	JS

[illegible][illegible]

QUALITY
CHECKED

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DODLY	DODLY	010	IAF	HF	R	FB		219.6 (210T)	004.0	03000
	PIYIN	PIYIN	010	IAF	IF		FB				
	PIYIN	DODLY	020		TF		FB	1.0	253.8 (244T)	006.4	03000
		DODLY	010	FACF	IF		FB				03000
		CAVZA	020	PAF	TF		FB	0.5	219.6 (210T)	005.1	01800
		RW22	030	MAP	TF		FO	0.3	219.6 (210T)	005.0	00202

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MOSSE	040		DF		FO	1.0			02600
	MOSSE	050		HM	R	FO	2.0	039.4 (029T)	004.0	02600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CAVZA	N403922.05	W0744046.08	N4039.368	W07440.768
	DODLY	N404345.78	W0743729.39	N4043.763	W07437.490
	MOSSE	N402555.01	W0745044.47	N4025.917	W07450.741
	PIYIN	N404635.75	W0742956.34	N4046.596	W07429.939
	RW22	N403503.56	W0744358.38	N4035.059	W07443.973

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW22	00162		40

QUALITY
1
CHECKED

CITY AND STATE
READINGTON, NJ

ELEVATION: 195 TDZE: 185
 AIRPORT NAME:
 SOLBERG-HUNTERDON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 22, ORIG
 30 JUL 2009

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 4, 13, 22, STANDARD

RWY 31, STANDARD WITH MINIMUM CLIMB OF 405' PER NM TO 1400 OR 1300-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 31, FOR CLIMB IN VISUAL CONDITIONS; CROSS SOLBERG-HUNTERDON AIRPORT AT OR ABOVE 1300 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4, TREE 907' FROM DER, 712' LEFT OF CENTERLINE, 100' AGL/279' MSL. TREES BEGINNING 431' FROM DER, 82' RIGHT OF CENTERLINE, UP TO 100' AGL/279' MSL. NOTE: RWY 13, TREE 47' FROM DER, 453' LEFT OF CENTERLINE, 100' AGL/279' MSL. TREE 88' FROM DER, 178' RIGHT OF CENTERLINE, 100' AGL/279' MSL. NOTE: RWY 22, TREE 185' FROM DER, 350' LEFT OF CENTERLINE, 100' AGL/299' MSL. TREES BEGINNING 103' FROM DER, 95' RIGHT OF CENTERLINE, UP TO 100' AGL/299' MSL.

NOTE: RWY 31, TREES BEGINNING 372' FROM DER, 40' LEFT OF CENTERLINE, UP TO 100' AGL/378' MSL. TREE 257' FROM DER, 441' RIGHT OF CENTERLINE, 100' AGL/ 299' MSL.

(4) CONTROLLING OBSTACLES:

RWY 31: 1039 MSL AAO 403636.94N-0744746.95W, 378 MSL TREE 403530.63N-0744555.23W

RWY 31 (VCOA): 1039 MSL AAO 403636.94N-0744746.95W

(5) City, State READINGTON, NJ	(6) Airport SOLBERG-HUNTERDON	(7) Effective Date 30 JUL 2009	(8) Amdt. No. 1

QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: SBJ VOR/DME							
										CLIMBING RIGHT TURN TO 2300 IN SBJ VOR/DME HOLDING PATTERN.							
										ADDITIONAL FLIGHT DATA: HOLD SE, RT, 310.00 INBOUND. CHART FAS OBST: 339 TREE 403417N/0744146W FAC CROSSES MID POINT OF RWY 4-22							
1. PT <u> L </u> SIDE OF COURSE <u> 130.00 </u> OUTBOUND <u> 2100 </u> FT WITHIN <u> 10 </u> MILES OF <u> SBJ VOR/DME </u> (IAF) 2. _____ 3. FAC <u> 310.00 </u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: <u> SBJ VOR/DME 270-090 2900, 090-270 2200 </u>										MAG VAR: 10W		EPOCH YEAR: 1965					
MINIMUMS																	
TAKEOFF:		STANDARD		☒		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		
CIRCLING	780	1	585	780	1	585		NA			NA						
NEWARK LIBERTY INTL ALTIMETER SETTING MINIMUMS																	
CIRCLING	880	1	685	880	1	685		NA			NA						
NOTES: CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED USE NEWARK LIBERTY INTL ALTIMETER SETTING.																	
CITY AND STATE READINGTON, NJ				ELEVATION: 195 TDZE: AIRPORT NAME: SOLBERG-HUNTERDON				FACILITY IDENTIFIER: SBJ				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 9 30 JUL 2009				SUP AMDT 8 DATE 02/15/2007	

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
SYR VORTAC (IAF)	OSSGO/I-FZY 10.79 DME	356.47 / 4.04	3000	ILS: DA LOC: 4.86 MILES AFTER FALLN LOM OR AT I-FZY 0.93 DME FIX CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 VIA HEADING 090 AND SYR VORTAC R-018 TO PAGER INT AND HOLD.
OSSGO/I-FZY 10.79 DME (IF)	FALLN LOM/I-FZY 5.79 DME	329.89 / 5.00 (I-FZY)	2100*	
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 198.28 INBOUND. CHART FAS OBST: 579 TREES 432034N/0762235W

1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. PROFILE STARTS AT OSSGO/I-FZY 10.79 DME	
3. FAC: <u>329.89</u> FAF: FALLN LOM/I-FZY 5.79 DME	DIST FAF TO MAP: <u>4.86</u> THLD: <u>4.86</u>
4. MIN. ALT: OSSGO 3000, FALLN LOM 2100*	
5. DIST TO THLD FROM OM: <u>4.86</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1055</u>	
6. MIN GS INCPT: <u>2900</u> GS ALT AT: GS INTC	OM: <u>2814</u> MM: <u>-</u> IM: <u>-</u>
7. GS ANGLE: <u>4.35</u> TCH: <u>70.9</u>	
8. MSA FROM: FALLN LOM 360-220 3700, 220-360 2200	

MAG VAR: 13W EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA		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 33	725	1	250		NA			NA			NA				
S-LOC 33	840	1	365	840	1	365	840	1	365	840	1 1/4	365			
CIRCLING	1000	1	525	1000	1	525	1000	1 1/2	525	1040	2	565			

NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: DME REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. *LOC ONLY SEE 8260-10					
CITY AND STATE	ELEVATION: 475 TDZE: 475	FACILITY IDENTIFIER: I-FZY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 33	
FULTON, NY	AIRPORT NAME:		ILS OR LOC RWY 33, ORIG-A	AMDT: ORIG	
	OSWEGO COUNTY		30 JUL 2009	DATED 08/10/2000	

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SYRACUSE HANCOCK INTL ALTIMETER SETTING AND INCREASE ALL DA 52 FT AND ALL MDA 60 FT; INCREASE S-LOC 33 CAT C VISIBILITY 1/4 MILE.

QUALITY
5
CHECKED

CITY AND STATE
FULTON, NY

ELEVATION: 475 TDZE: 475
AIRPORT NAME:
OSWEGO COUNTY

FACILITY
IDENTIFIER:
I-FZY

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 33, ORIG-A
30 JUL 2009

SUP: **ILS RWY 33**
AMDT: **ORIG**
DATED: **08/10/2000**

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW24 CLIMB TO 3000 DIRECT NINIE AND VIA TRACK 222.11 TO LYSAN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 114.00 INBOUND. CHART FAS OBST: 641 TANK 432130N/0762320W CHART VDP AT 1.40 MILES TO RW24. WIELD TO RW24: 3.04/40.	
OSYOB (IAF)	IFIZE (NOPT) (FB)	149.98 / 5.00	3600		
WUJFE (IAF)	IFIZE (NOPT) (FB)	330.08 / 5.00	3600		
IFIZE (IF/IAF)	WIELD (FB)	240.03 / 6.10	2100		
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE IFIZE, RT, 240.03 INBOUND, 3600 FT. IN LIEU OF PT (IAF) 3. FAC: <u>239.96</u> FAF: <u>WIELD</u> DIST FAF TO MAP: <u>4.93</u> THLD: <u>4.93</u> 4. MIN. ALT: <u>IFIZE 3600, WIELD 2100</u> 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 IS NOT CLEAR</u> 8. MSA FROM: <u> </u>				MAG VAR: 13W EPOCH YEAR: 2000	
MINIMUMS					
TAKEOFF:	☐ STANDARD	☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: <u>NA</u>		STANDARD @
CATEGORY =====>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LNAV MDA	960	1	491	960	1
CIRCLING	1000	1	525	1000	1
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SYRACUSE HANCOCK INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND LNAV CAT C AND D VISIBILITY 1/4 MILE. CHART NOTE: VDP NA WHEN USING SYRACUSE HANCOCK INTL ALTIMETER SETTING.					
CITY AND STATE		ELEVATION: 475 TDZE: 469		FACILITY IDENTIFIER: RNAV	
FULTON, NY		AIRPORT NAME: OSWEGO COUNTY		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 30 JUL 2009	
		SUP:		AMDT: ORIG	
		DATED		06/14/2001	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

TAA

	FROM	TO	ALT
1.	150/30 CW 330/30 (NOPT)	IFIZE (IF/IAF) (FB)	3600
2.	330/30 CW 060/30	WUJFE (IAF) (FB)	3600
3.	060/30 CW 150/30	OSYOB (IAF) (FB)	3600

CITY AND STATE

FULTON, NY

ELEVATION: 475 TDZE: 469

AIRPORT NAME:

OSWEGO COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24, AMDT 1

30 JUL 2009

SUP:

AMDT: ORIG

DATED: 06/14/2001

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAEENRT	IFIZE K60	W	N43284604W076115365				W0126	NAR	IFIZE			
	SUSAEENRT	LYSAN K60	C	L N43124470W076305153				W0123	NAR	LYSAN			
	SUSAEENRT	NINIE K60	W	N43191126W076255738				W0124	NAR	NINIE			
	SUSAEENRT	OSYOB K60	W	N43322549W076163479				W0126	NAR	OSYOB			
	SUSAEENRT	WIELD K60	W	N43243625W076180118				W0125	NAR	WIELD			
	SUSAEENRT	WUJFE K60	W	N43250639W076071308				W0126	NAR	WUJFE			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP	KFZYK6AFZY	0	051YHN43210279W076231700W013000475			SYR	K1800018000C	MNAR	OSWEGO COUNTY			

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP	KFZYK6FR24	AIFIZE	010IFIZEK6EA0EE	CR	HF		24000040	+ 03600	18000		B JS	
	SUSAP	KFZYK6FR24	AOSYOB	010OSYOBK6EA0E	A	IF				18000		B JS	
	SUSAP	KFZYK6FR24	AOSYOB	020IFIZEK6EA0EE		010TF		15000050	+ 03600			B JS	
	SUSAP	KFZYK6FR24	AWIELD	010WUJFEK6EA0E	A	IF				18000		B JS	
	SUSAP	KFZYK6FR24	AWIELD	020IFIZEK6EA0EE		010TF		33010050	+ 03600			B JS	
	SUSAP	KFZYK6FR24	R	010IFIZEK6EA0E	I	IF			+ 03600	18000		B JS	
	SUSAP	KFZYK6FR24	R	020WIELDK6EA1E	F	051TF		24000061	+ 02100			B JS	
	SUSAP	KFZYK6FR24	R	020WIELDK6EA2WN			N	ALNAV				JS	
	SUSAP	KFZYK6FR24	R	030RW24	K6PGOGY	M	031TF	24000049	00509	-304		B JS	
	SUSAP	KFZYK6FR24	R	040NINIEK6EA0E	M	010DF						B JS	
	SUSAP	KFZYK6FR24	R	050LYSANK6EA0EY		010TF		2221	+ 03000			B JS	
	SUSAP	KFZYK6FR24	R	060LYSANK6EA0EE	HR020HM			11400040	+ 03000			B JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP	KFZYK6GRW24	0039962399	N43211431W076225734-0300				+0108400469000040100R					

QUALITY
1
CHECKED

CITY AND STATE FULTON, NY	ELEVATION: 475	TDZE: 469	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 30 JUL 2009	SUP:
	AIRPORT NAME:				AMDT: ORIG
	OSWEGO COUNTY				DATED: 06/14/2001

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	IFIZE	IFIZE	010		HF	R	FB		240.0 (227T)	004.0	03600
	OSYOB	OSYOB	010	IAF	IF		FB				
	OSYOB	IFIZE	020		TF		FB	1.0	150.0 (137T)	005.0	03600
	WIELD	WUJFE	010	IAF	IF		FB				
	WIELD	IFIZE	020		TF		FB	1.0	330.1 (317T)	005.0	03600
		IFIZE	010	FACF	IF		FB				03600
		WIELD	020	FAF	TF		FB	0.5	240.0 (227T)	006.1	02100
		RW24	030	MAP	TF		FO	0.3	240.0 (227T)	004.9	00509

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	NINIE	040		DF		FB	1.0			
	LYSAN	050		TF		FO	1.0	222.1 (209T)		03000
	LYSAN	060		HM	R	FO	2.0	114.0 (101T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IFIZE	N432846.04	W0761153.65	N4328.767	W07611.894
	LYSAN	N431244.70	W0763051.53	N4312.745	W07630.859
	NINIE	N431911.26	W0762557.38	N4319.188	W07625.956
	OSYOB	N433225.49	W0761634.79	N4332.425	W07616.580
	WIELD	N432436.25	W0761801.18	N4324.604	W07618.020
	WUJFE	N432506.39	W0760713.08	N4325.107	W07607.218
	RW24	N432114.31	W0762257.34	N4321.239	W07622.956

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24	00469	40

QUALITY
CHECKED

CITY AND STATE
FULTON, NY

ELEVATION: 475 TDZE: 469
 AIRPORT NAME:
 OSWEGO COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 24, AMDT 1
 30 JUL 2009

SUP:
 AMDT: ORIG
 DATED: 06/14/2001

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: 4.56 MILES AFTER PONIX/SYR 9.00 DME/RADAR OR AT SYR 13.56 DME FIX CLIMBING RIGHT TURN TO 3000 VIA HEADING 090 AND SYR R-018 TO PAGER INT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 198.28 INBOUND. CHART FAS OBST: 612 TREES 431721N/0762054W PONIX TO RW33: 3.07/40.						
SYR VORTAC (IF/IAF)		PONIX/SYR 9.00 DME/RADAR		336.19 / 9.00				2000								
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>HOLD SE SYR VORTAC, RT, 336.19 INBOUND, 2000 FT. IN LIEU OF PT (IAF)</u> 3. FAC <u>336.19</u> FAF <u>PONIX/SYR 9.00 DME/RADAR</u> DIST FAF TO MAP <u>4.56</u> THLD <u>4.56</u> 4. MIN. ALT <u>SYR VORTAC 2000, PONIX 2000</u> 8. MSA FROM: <u>SYR VORTAC 080-240 3700, 240-080 2800</u>										MAG VAR: 11W		EPOCH YEAR: 1980				
MINIMUMS																
TAKEOFF: <u> </u>		STANDARD <u> </u> X <u> </u>		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A <u> </u>		STANDARD @ <u> </u>						
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-33		880	1	405	880	1	405	880	1 1/4	405	880	1 1/4	405			
CIRCLING		1000	1	525	1000	1	525	1000	1 1/2	525	1040	2	565			
NOTES: CHART NOTE: DME OR RADAR REQUIRED. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON SYR VORTAC AIRWAY RADIALS 111 CW 251. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED; USE SYRACUSE HANCOCK INTL ALTIMETER SETTING SEE 8260-10																
CITY AND STATE		ELEVATION: 475 TDZE: 475		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP						
FULTON, NY		AIRPORT NAME:		SYR		VOR RWY 33, AMDT 5A 30 JUL 2009				AMDT		5				
		OSWEGO COUNTY								DATE		03/15/2007				

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR PART 97.23**

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

NOTES CONT.

AND INCREASE ALL MDA 60 FEET AND INCREASE S-33 CAT D VISIBILITY AND CIRCLING CAT C AND D VISIBILITIES 1/4 MILE.

QUALITY
5
CHECKED

CITY AND STATE

FULTON, NY

ELEVATION: 475 TDZE: 475

AIRPORT NAME:

OSWEGO COUNTY

FACILITY
IDENTIFIER:

SYR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 33, AMDT 5A

30 JUL 2009

SUP:

AMDT: 5

DATED: 03/15/2007

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 06: 3400-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 24: 1100 - 3 WITH MINIMUM CLIMB OF 510 FEET PER NM TO 5700, OR 3400-3 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 06: FOR CLIMB IN VISUAL CONDITIONS (NA AT NIGHT): CROSS JOHNSON COUNTY AIRPORT AT OR ABOVE 5500 MSL BEFORE PROCEEDING ON COURSE.

RWY 24: FOR CLIMB IN VISUAL CONDITIONS (NA AT NIGHT): CROSS JOHNSON COUNTY AIRPORT AT OR ABOVE 5500 MSL BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

VCOA: 5794 MSL AAO 361957.60N/0814232.30W, 4857 MSL AAO 362126.10N/0814821.40W

QUALITY
2
CHECKED

(5) City, State MOUNTAIN CITY, TN	(6) Airport JOHNSON COUNTY	(7) Effective Date 30 JUL 2009	(8) Amdt. No. ORIG

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 2, NA - OBSTACLES.

RWY 20, STANDARD WITH A MINIMUM CLIMB OF 422 FT PER NM TO 1000.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 20, CLIMB HEADING 195.13 TO 1800, THEN CLIMBING RIGHT TURN TO 6000 VIA HEADING 310.00 TO INTERCEPT 234 BEARING FROM AKW NDB/DME TO AKW NDB/DME, THEN VIA 015 BEARING FROM AKW NDB/DME TO UDENE INT/ANN VOR/DME 59.04 DME, CONTINUE CLIMB IN UDENE HOLDING PATTERN (HOLD W, RT, 109.55 INBOUND) TO CROSS UDENE AT OR ABOVE MEA BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

RWY 20, TREES BEGINNING 4811' FROM DER, 1716' RIGHT OF CENTERLINE, UP TO 158' AGL/557' MSL. TREES 5964' FROM DER, 1370' LEFT OF CENTERLINE, UP TO 158' AGL/357' MSL.

(4) CONTROLLING OBSTACLES:

RWY 20: 357 MSL TREE 553332.00N/1330548.00, 2500 MSL AAO 552537.70N/1331629.30W, 4196 MSL AAO 553211.40N/1325221.70W.

(5) City, State

KLAWOCK, AK

(6) Airport

KLAWOCK

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

2

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:
RWY 2, 20 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2, VEHICLE ON ROAD ABEAM DER, 250' LEFT OF CENTERLINE, 15' AGL/364' MSL.

NOTE: RWY 20, BUSHES BEGINNING 100' FROM DER, 35' RIGHT OF CENTERLINE, UP TO 15' AGL/314' MSL. BUSHES BEGINNING 140' FROM DER, 24' LEFT OF CENTERLINE, UP TO 15' AGL/314' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
2
CHECKED

(5) City, State

MOUNTAIN VILLAGE, AK

(6) Airport

MOUNTAIN VILLAGE

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS 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.

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

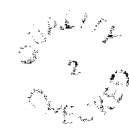
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
 2. _____
 3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: _____

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF:	STANDARD	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 27 AUG 2009



CITY AND STATE SCAMMON BAY, AK	ELEVATION: 14 TDZE: 14 AIRPORT NAME: SCAMMON BAY	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 10, ORIG-B, 05/30/2008	SUP
				AMDT ORIG-A
				DATE 11/28/2002

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

PAGE 1 OF 1 PAGES

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW10 CLIMBING LEFT TURN TO 2900 DIRECT JTSKI AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 864 BUSH 614954N/1653633W CHART VDP AT 3.35 MILES TO RW10. KUDBY TO RW10: 3.04/40.	
ITKIC (IAF)	JTSKI (NOPT) (FB)	355.39 / 5.52	2900		
HALEM (IAF)	JTSKI (NOPT) (FB)	175.44 / 14.48	2900		
JTSKI (IF/IAF)	KUDBY (FB)	101.04 / 8.74	1600		

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. HOLD W JTSKI, RT, 101.04 INBOUND, 2900 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>101.29</u> FAF: <u>KUDBY</u> DIST FAF TO MAP: <u>4.81</u> THLD: <u>4.81</u>	
4. MIN. ALT: <u>JTSKI 2900, KUDBY 1600</u>	
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: <u>34:1</u> IS NOT CLEAR	
8. MSA FROM: <u>RW10 3500</u>	

MAG VAR: 12E
EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:		STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A		@								
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1100	1 1/4	1086	1100	1 1/2	1086		NA			NA				
CIRCLING	1100	1 1/4	1086	1100	1 1/2	1086		NA			NA				

NOTES:
 CHART NOTE: CIRCLING NA SOUTH OF RWY 10-28.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 SEE 8260-10

@ CAT A, B 1100-2
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 14 TDZE: 14	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SCAMMON BAY, AK	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 10, ORIG 27 AUG 2009	AMDT: NONE
	SCAMMON BAY			DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.**CHART NOTE: VDP NA WHEN USING HOOPER BAY ALTIMETER SETTING.****CHART NOTE WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOOPER BAY ALTIMETER SETTING AND INCREASE ALL MDA 360 FEET.**

CITY AND STATE

SCAMMON BAY, AK

ELEVATION: 14 TDZE: 14

AIRPORT NAME:

SCAMMON BAY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

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

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HALEM	HALEM	010	IAF	IF		FB				
	HALEM	JTSKI	020		TF		FB	1.0	175.4 (187T)	014.5	02900
	ITKIC	ITKIC	010	IAF	IF		FB				
	ITKIC	JTSKI	020		TF		FB	1.0	355.4 (007T)	005.5	02900
	JTSKI	JTSKI	010		HF	R	FB		101.0 (113T)	004.0	02900
		JTSKI	010	FACF	IF		FB				02900
		KUDBY	020	FAF	TF		FB	0.5	101.0 (113T)	008.7	01600
		RW10	030	MAP	TF		FO	0.3	101.3 (113T)	004.8	00049

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JTSKI	040		DF	L	FO	1.0			02900
	JTSKI	050		HM	R	FO	2.0	101.0 (113T)	004.0	02900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HALEM	N621024.98	W1655714.70	N6210.416	W16557.245
	ITKIC	N615038.48	W1660242.93	N6150.641	W16602.716
	JTSKI	N615606.04	W1660112.79	N6156.101	W16601.213
	KUDBY	N615240.24	W1654413.07	N6152.671	W16544.218
	RW10	N615046.22	W1653454.18	N6150.770	W16534.903

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW10	00009		40

CITY AND STATE
SCAMMON BAY, AK

ELEVATION: 14 TDZE: 14
 AIRPORT NAME:
 SCAMMON BAY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 10, ORIG
 27 AUG 2009

SUP:
 AMDT: NONE
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: CIDNI											
HALEM	ACERU (FB)	115.15 / 27.21	4000	CLIMBING RIGHT TURN TO 4000 DIRECT AKELT AND HOLD.											
AKELT	ACERU (FB)	189.13 / 7.55	4000												
ACERU (IAF)	REDOE (FB)	177.43 / 5.00	2700												
MEVIC (IAF)	REDOE (FB)	356.91 / 7.71	2700												
REDOE (IF)	ELBEF (FB)	267.31 / 5.00	1900												
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 178.00 INBOUND. FAS OBST: 1249 AAO 614854N/1653045W CHART VDP AT 3.08 MILES TO CIDNI. ELBEF TO RW28: 3.48/40. FAC CROSSES RWY C/L EXTENDED 1148 FROM THLD.											
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)															
2. PROFILE STARTS AT REDOE															
3. FAC: <u>266.59</u> FAF: <u>ELBEF</u> DIST FAF TO MAP: <u>4.82</u> THLD: <u>5.00</u>															
4. MIN. ALT: <u>REDOE 2700, ELBEF 1900</u>															
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 IS NOT CLEAR</u>															
8. MSA FROM: <u>CIDNI 3500</u>															
MAG VAR: 12E EPOCH YEAR: 2010															
MINIMUMS															
TAKEOFF:	STANDARD	X	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	1260	1 1/4	1246	1260	1 1/2	1246		NA			NA				
CIRCLING	1260	1 1/4	1246	1260	1 1/2	1246		NA			NA				
NOTES: CHART NOTE: CIRCLING NA SOUTH OF RWY 10-28. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AKELT VIA V488,T225 NORTHEAST BOUND. SEE 8260-10															
CITY AND STATE SCAMMON BAY, AK				ELEVATION: 14 TDZE: 14 AIRPORT NAME: SCAMMON BAY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, ORIG 27 AUG 2009				SUP: AMDT: NONE DATED			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: VDP NA WHEN USING HOOPER BAY ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOOPER BAY ALTIMETER SETTING AND INCREASE ALL MDA 360 FEET.



CITY AND STATE

SCAMMON BAY, AK

ELEVATION: 14 TDZE: 14

AIRPORT NAME:

SCAMMON BAY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

**RNAV (GPS) 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.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SCANP	PACMPAFR28	AAKELT	010AKELTPAEA0E	IF						18000		B JS	
SCANP	PACMPAFR28	AAKELT	020ACERUPAEA0E	A 020TF			18910076	+ 04000				B JS	
SCANP	PACMPAFR28	AAKELT	030REDOEPAEA0EE	010TF			17740050	+ 02700				B JS	
SCANP	PACMPAFR28	AHALEM	010HALEMPAEA0E	IF						18000		B JS	
SCANP	PACMPAFR28	AHALEM	020ACERUPAEA0E	A 020TF			11520272	+ 04000				B JS	
SCANP	PACMPAFR28	AHALEM	030REDOEPAEA0EE	010TF			17740050	+ 02700				B JS	
SCANP	PACMPAFR28	AMEVIC	010MEVICPAEA0E	A IF						18000		B JS	
SCANP	PACMPAFR28	AMEVIC	020REDOEPAEA0EE	010TF			35690077	+ 02700				B JS	
SCANP	PACMPAFR28	R	010REDOEPAEA0E	I IF				+ 02700		18000		B JS	
SCANP	PACMPAFR28	R	020ELBEFPAEA1E	F 051TF			26730050	+ 01900			CIDNI PAEAB	JS	
SCANP	PACMPAFR28	R	020ELBEFPAEA2WN		N	ALNAV						JS	
SCANP	PACMPAFR28	R	030CIDNIPAEA0EY	M 031TF			26660048		00149	-348		B JS	
SCANP	PACMPAFR28	R	040AKELTPAEA0EYM	R010DF				+ 04000				B JS	
SCANP	PACMPAFR28	R	050AKELTPAEA0EE	HR020HM			17800040	+ 04000				B JS	

[illegible]

CITY AND STATE
SCAMMON BAY, AK

ELEVATION: 14 TDZE: 14
AIRPORT NAME:
SCAMMON BAY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 28, ORIG
27 AUG 2009

SUP:	
AMDT:	NONE
DATED:	

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

[illegible]

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AKELT	AKELT	010		IF		FB				
	AKELT	ACERU	020	IAF	TF		FB	2.0	189.1 (201T)	007.6	04000
	AKELT	REDOE	030		TF		FB	1.0	177.4 (189T)	005.0	02700
	HALEM	HALEM	010		IF		FB				
	HALEM	ACERU	020	IAF	TF		FB	2.0	115.2 (127T)	027.2	04000
	HALEM	REDOE	030		TF		FB	1.0	177.4 (189T)	005.0	02700
	MEVIC	MEVIC	010	IAF	IF		FB				
	MEVIC	REDOE	020		TF		FB	1.0	356.9 (009T)	007.7	02700
		REDOE	010	FACF	IF		FB				02700
		ELBEF	020	FAF	TF		FB	0.5	267.3 (279T)	005.0	01900
		CIDNI	030	MAP	TF		FO	0.3	266.6 (279T)	004.8	00149

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AKELT	040		DF	R	FO	1.0			04000
	AKELT	050		HM	R	FO	2.0	178.0 (190T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACERU	N615354.40	W1651124.02	N6153.907	W16511.400
	AKELT	N620055.89	W1650538.78	N6200.932	W16505.646
	CIDNI	N615029.98	W1653334.88	N6150.500	W16533.581
	ELBEF	N614947.28	W1652331.93	N6149.788	W16523.532
	HALEM	N621024.98	W1655714.70	N6210.416	W16557.245
	MEVIC	N614123.72	W1651538.59	N6141.395	W16515.643
	REDOE	N614859.30	W1651307.58	N6148.988	W16513.126
	RW28	N615034.47	W1653356.82	N6150.575	W16533.947

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00014	40

CITY AND STATE
SCAMMON BAY, AK

ELEVATION: 14 TDZE: 14
 AIRPORT NAME:
 SCAMMON BAY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 28, ORIG
 27 AUG 2009

SUP:
 AMDT: NONE
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: CUNAS CLIMBING LEFT TURN TO 4500 DIRECT SOCOY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4500. ADDITIONAL FLIGHT DATA: HOLD N, RT, 186.00 INBOUND. CHART FAS OBST: 464 BUSH 615021N/1653630W							
HALEM (IAF)		RESVE (FB)		142.55 / 9.35		2600									
JTSKI (IAF)		RESVE (FB)		032.85 / 8.35		2600									
SOCOY (IAF)		RESVE (FB)		236.56 / 13.20		2600									
RESVE (IF)		FIDRO (FB)		137.79 / 7.02		1900									
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT RESVE 3. FAC: <u>137.91</u> FAF: <u>FIDRO</u> DIST FAF TO MAP: <u>4.19</u> THLD: _____ 4. MIN. ALT: RESVE 2600, FIDRO 1900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: _____ 8. MSA FROM: CUNAS 3500								MAG VAR: 12E EPOCH YEAR: 2010							
MINIMUMS															
TAKEOFF: _____		STANDARD ☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: <u>NA</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
CIRCLING	540	2 1/4	526	640	2 1/4	626		NA			NA				
NOTES: CHART NOTE: CIRCLING NA SOUTH OF RWY 10-28. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SOCOY VIA T250 SOUTHEAST BOUND AND V385 NORTH BOUND. SEE 8260-10															
CITY AND STATE SCAMMON BAY, AK				ELEVATION: 14 TDZE: AIRPORT NAME: SCAMMON BAY				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMD NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 27 AUG 2009			
												SUP: AMD: NONE DATED			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOOPER BAY ALTIMETER SETTING AND INCREASE ALL MDA 360 FEET.

CITY AND STATE

SCAMMON BAY, AK

ELEVATION: 14 TDZE:

AIRPORT NAME:

SCAMMON BAY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS)-B, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

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

CITY AND STATE SCAMMON BAY, AK	ELEVATION: 14 TDZE: AIRPORT NAME: SCAMMON BAY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HALEM	HALEM	010	IAF	IF		FB				
	HALEM	RESVE	020		TF		FB	1.0	142.6 (155T)	009.4	02600
	JTSKI	JTSKI	010	IAF	IF		FB				
	JTSKI	RESVE	020		TF		FB	1.0	032.9 (045T)	008.4	02600
	SOCOY	SOCOY	010	IAF	IF		FB				
	SOCOY	RESVE	020		TF		FB	1.0	236.6 (249T)	013.2	02600
		RESVE	010	FACF	IF		FB				02600
		FIDRO	020	PAF	TF		FB	0.5	137.8 (150T)	007.0	01900
		CUNAS	030	MAP	TF		FO	0.3	137.9 (150T)	004.2	00540

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SOCOY	040		DF	L	FO	1.0			04500
	SOCOY	050		HM	R	FO	2.0	186.0 (198T)	005.0	04500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUNAS	N615219.47	W1653648.22	N6152.325	W16536.804
	FIDRO	N615556.42	W1654114.44	N6155.940	W16541.241
	HALEM	N621024.98	W1655714.70	N6210.416	W16557.245
	JTSKI	N615606.04	W1660112.79	N6156.101	W16601.213
	RESVE	N620159.57	W1654842.83	N6201.993	W16548.714
	SOCOY	N620650.61	W1652237.81	N6206.844	W16522.630
	RW10	N615046.22	W1653454.18	N6150.770	W16534.903

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH

CITY AND STATE SCAMMON BAY, AK	ELEVATION: 14 TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG	SUP:
	AIRPORT NAME: SCAMMON BAY			AMDT: NONE
				DATED:

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

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CITY AND STATE
SCAMMON BAY, AK

ELEVATION: 14 TDZE:
AIRPORT NAME:
SCAMMON BAY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS)-B, ORIG
27 AUG 2009

SUP:
AMDT: NONE
DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 12, 30, 1000-3

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 12, 30 - CLIMB IN VISUAL CONDITIONS UNTIL ESTABLISHED ON DUT NDB/DME 355 BEARING OVER JADPI/DUT 2.00DME (VISUAL CONDITIONS MUST BE MAINTAINED FROM TAKEOFF UNTIL ESTABLISHED OVER JADPI AT OR ABOVE 400). CROSS JADPI AT OR ABOVE 400 THEN CLIMB ON THE 355 BEARING FROM DUT NDB/DME TO 5500 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

CAUTION: RAPIDLY RISING TERRAIN TO ABOVE 2000' MSL EAST, SOUTH, AND WEST OF AIRPORT.

(4) CONTROLLING OBSTACLES:

RWY 12, 30 6200 AAO 535314.20N-1665651.70W

(5) City, State

UNALASKA, AK

(6) Airport

UNALASKA

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

3

GRAPHIC DEPARTURE PROCEDURE (DP)



OBSTACLE



SID



RNAV

1. Bearings, headings, courses, tracks, and radials are magnetic.
2. Distances are in nautical miles.
3. Altitudes are minimum altitudes unless otherwise indicated.
4. Graphic depiction attached.

(1) DP Route Description: TAKE-OFF RUNWAY 7: CLIMB HEADING 068.93 AND I-ESJ NORTHEAST COURSE TO VAILE INT/I-ESJ 10.78 DME THEN TURN LEFT VIA RLG R-198 TO RLG VOR/DME OR...
TAKE-OFF RUNWAY 25: CLIMBING LEFT TURN HEADING 215.00, UPON CROSSING SXW R-152 OR DBL R-326 TURN RIGHT VIA DBL R-322 TO KIRLE INT/DBL 21.47 DME THEN TURN RIGHT VIA RLG R-231 TO RLG VOR/DME OR ...
...CLIMB IN VISUAL CONDITIONS TO CROSS EAGLE COUNTY REGIONAL AIRPORT NORTHEAST BOUND AT OR ABOVE 10500, THEN VIA RLG R-212 TO RLG VOR/DME.

(2) Transition Routes (Graphic Depiction Only)

(a) Transition Name	(b) Transition Computer Codes	(c) From FIX/NAVAID	(d) To FIX/NAVAID	(e) Course / Distance	(f) MEA / MOCA	(g) Crossing Altitudes/Fixes

(3) Procedural Data Notes / Takeoff Minimums:

TAKEOFF MINIMUMS:

RWY 7, STANDARD WITH MINIMUM CLIMB OF 520 FT PER NM TO 12000 OR 800-3 WITH MINIMUM CLIMB OF 415 FT PER NM TO 12000 OR...

RWY 25, STANDARD WITH MINIMUM CLIMB OF 815 FT PER NM TO 9000 OR...

... 4100-3 FOR CLIMB IN VISUAL CONDITIONS

(4) Takeoff Obstacle Notes: NOTE: RWY 7, WINDSOCK 99' FROM DER, 352' LEFT OF CENTERLINE, 12' AGL/6552' MSL, OL ON TOWER 2.2 NM FROM DER, 1688' RIGHT OF CENTERLINE, 57' AGL/7057' MSL, TREES BEGINNING 1.1 NM FROM DER, 1945' RIGHT OF CENTERLINE, UP TO 18' AGL/7017' MSL, TREE 2.2 NM FROM DER, 3227' RIGHT OF CENTERLINE, 27' AGL/7252' MSL. NOTE: RWY 25, MULTIPLE TREES BEGINNING 1.6 NM FROM DER, 233' LEFT OF CENTERLINE, UP TO 15' AGL/7694' MSL, (CONTINUED)

(5) Controlling Obstacles: RWY 7/25 (VCOA): 10239 MSL AAO 393346.62N/1065354.69W. RWY 7: 7252 MSL TREE 393825.62N/1065118.91W, 7069 MSL TREE 393829.30N/1065227.61W, 7309 MSL TREE 393823.41N/1065120.77W, 9239 MSL AAO 394022.95N/1064320.43W, 11684 MSL AAO 395045.90N/1063200.30W. (CONTINUED)

(6) Fixes and/or NAVAID'S :

(7) DP Name GYPSUM	(8) Number FOUR	(9) DP Computer Code GYPSM4.RLG	(10) Superseded Number THREE	(11) Dated 08/08/2002	(12) Effective Date 27 AUG 2009

(13) Airports Served						
Airport Name EAGLE COUNTY REGIONAL			City/State EAGLE/CO			
Airport Name			City/State			
Airport Name			City/State			
Airport Name			City/State			
Airport Name			City/State			
Airport Name			City/State			
Airport Name			City/State			
(14) Lost Communications Procedures:						
(15) Communications: ATIS, CLEARANCE DELIVERY, GROUND CONTROL, EAGLE TOWER, DENVER CENTER, DENVER CLEARANCE DELIVERY (WHEN TOWER CLOSED)						
(16) Additional Flight Data: CHART: V361-421. CHART: V8						
(17) Continuation:						
BLOCK (4) TAKEOFF OBSTACLE NOTES: POLE 2.0 NM FROM DER, 111' LEFT OF CENTERLINE, 14' AGL/7333' MSL, MULTIPLE TREES BEGINNING 1.4 NM FROM DER, 795' RIGHT OF CENTERLINE, UP TO 16' AGL/7615' MSL, MULTIPLE POLES, TANK, AND OL ON TOWER BEGINNING 1.4 NM FROM DER, 77' RIGHT OF CENTERLINE, UP TO 37' AGL/7716' MSL. BLOCK (5) CONTROLLING OBSTACLES: RWY 25: 8189 MSL TREE 393734.37N/1065921.95W, 7909 MSL TREE 393742.25N/1065847.33W, 7709 MSL TREE 393834.19N/1065831.73W, 8887 MSL AAO 394100.34N/1070212.12W						
(7) DP Name		(8) Number	(9) DP Computer Code	(10) Superseded Number	(11) Dated	(12) Effective Date
GYPSUM		FOUR	GYPSM4.RLG	THREE	08/08/2002	27 AUG 2009

QUALITY
1
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

(2) TEXTUAL DEPARTURE PROCEDURE:
USE GYPSUM DEPARTURE

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:



(5) City, State

EAGLE, CO

(6) Airport

EAGLE COUNTY REGIONAL

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

7

U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
SKIPT (40E)	HBU VOR/DME (TF) (FB) (RNP 2.00) (40V) (43A)	232.15/13.00	13000	MAP: DA								
HBU VOR/DME (IAF) (40V) (43A)	FESPA (TF) (FB) (RNP 0.50) (40E)	190.79/6.14	12000									
FESPA (40E)	HIVOT (RF) (FB) (RNP 0.50) (40E)	(5.44 NM RADIUS CW AYXAF) 9.16	12000	(DO NOT EXCEED 240 KIAS UNTIL RNGLE) CLIMB TO 13000 VIA TRACK 061.55 TO POSLY, AND VIA RIGHT TURN TO JENRO, AND VIA RIGHT TURN TO TIPOC, AND VIA RIGHT TURN TO RNGLE, AND VIA TRACK 306.49 TO HBU VOR/DME AND HOLD.								
HIVOT (40E)	KETNE (RF) (FB) (RNP 0.50) (40E)	(5.08 NM RADIUS CW AXOZU) 6.29	12000									
KETNE (40E)	KEEZR (RF) (FB) (RNP 0.50) (40E) (41E)	(4.74 NM RADIUS CW AKIGY) 5.24	11000	ADDITIONAL FLIGHT DATA: HOLD N, LT, 174.50 INBOUND								
MEYRS (IAF) (40E) (43A)	CIMUS (TF) (FB) (RNP 1.00) (40E)	082.81/5.71	12000									
CIMUS (40E)	KEEZR (TF) (FB) (RNP 1.00) (40E) (41E)	082.87/5.01	11000	CHART FAS OBST: 7849 TREE 383200N/1065726, 7909 TREE 383206N/1065743W, 7949 TREE 383214N/1065742W, 7969 TREE 383055N/1065826W CHART: 7717 TREE 383157N/1065700W								
POWES (IAF) (40E) (43A) (CONTINUED ON PG 2)	NIKTE (TF) (FB) (RNP 1.00) (40E)	335.31/7.45	13000									
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)				DISTANCE TO THLD FROM 458 HAT: 1.23 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S #TCH 7706.9 MSL (DO NOT CHART) MAG VAR: 12E EPOCH YEAR: 1990								
2. PROFILE STARTS AT KEEZR												
3. FAC: 061.46 FAF: DIST FAF TO MAP: THLD:												
4. MIN. ALT: KEEZR 11000												
5. DIST TO THLD FROM OM: 7.49 MM: IM: 150 HAT: 100 HAT: GS ANT:												
6. MIN GS INCPT: 10300 GS ALT AT: OSDUE 10300 OM: MM: IM:												
7. GS ANGLE: 3.20 TCH: 48.9# 34:1 IS NOT CLEAR												
8. MSA FROM: RW06 15500												
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	800 - 2 1/4							
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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED												
RNP 0.11 DA*	NA	8125	1 1/4	458	8125	1 1/4	458	NA				
RNP 0.20 DA**	NA	8219	1 1/2	552	8219	1 1/2	552	NA				
RNP 0.26 DA***	NA	8294	1 3/4	627	8294	1 3/4	627	NA				
NOTES: CHART NOTE: RF AND GPS REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -29C (-20F) OR ABOVE 54C (130F). CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. (CONTINUED ON PAGE 2)												
CITY AND STATE		ELEVATION: 7680 TDZE: 7667		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:		SUP:				
GUNNISON, CO		GUNNISON-CRESTED BUTTE RGNL		RNAV		27 AUG 2009 RNAV (RNP) RWY 6, ORIG		AMDT: NONE				
								DATE				

QUALITY
8
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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TERMINAL ROUTES (CONT'D)

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
NIKTE (40E)	KEEZR (TF) (FB) (RNP 1.00) (40E) (41E)	335.35/7.40	11000
KEEZR (IF) (40E) (43I)	OSDUE (TF) (FB) (RNP 0.50) (40E) (43F)	061.35/6.82	10300
OSDUE (FAF) (40E) (43F)	RW06 (TF) (FB) (40G) (43M)	061.46/7.49	
RW06 (MAP) (40G) (43M)	POSLY (TF) (FB) (RNP 0.30) (40E) (42M)	061.55/2.24	
POSLY (40E)	JENRO (RF) (FB) (RNP 0.44) (40E)	(5.17 NM RADIUS CW EBEJU)/3.16	
JENRO (40E)	TIPOC (RF) (FB) (RNP 0.51) (40E)	(5.50 NM RADIUS CW ECUQO)/1.32	
TIPOC (40E)	RNGLE (RF) (FB) (RNP 1.00) (40E)	(5.80 NM RADIUS CW ECEWE)/19.86	
RNGLE (40E)	HBU VOR/DME (TF) (FB) (RNP 1.00) (40V) (41E) (43H)	306.49/5.25	13000

MINIMUMS (CONT'D)

RNP 0.30 DA NA; CATS A, D. DA 8354, HAT 687, VIS 2; CATS B, C.

NOTES (CONT'D)

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: MISSED APPROACH REQUIRES RNP LESS THAN 1.0.

CHART NOTE: *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 310 FEET PER NM TO 9000.

CHART NOTE: **MISSED APPROACH REQUIRES MINIMUM CLIMB OF 260 FEET PER NM TO 9000.

CHART NOTE: ***MISSED APPROACH REQUIRES MINIMUM CLIMB OF 230 FEET PER NM TO 9000.

CHART NOTE: FOR INOPERATIVE MALSF, INCREASE RNP 0.11* VISIBILITY TO 1 1/2, RNP 0.20** TO 1 3/4, RNP 0.26*** TO 2, AND RNP 0.30 TO 2 1/4.

CHART PLANVIEW NOTE AT HBU VOR/DME, MEYRS, POWES, SKIPT: (RNP 0.50)

CHART PLANVIEW NOTE AT HBU VOR/DME: MAX 230 KIAS VIA V95 AND V244

CHART PLANVIEW NOTE AT POSLY: MAX 240 KIAS UNTIL RNGLE

CHART PLANVIEW NOTE AT FESPA AND KEEZR: MAX 210 KIAS

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON HBU VOR/DME AIRWAY RADIALS 096 CW 280 AND FOR ARRIVALS AT POWES VIA V95-421 SOUTHBOUND

 QUALITY
8
CHECKED

CITY AND STATE	ELEVATION: 7680 TDZE: 7667	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
GUNNISON, CO	AIRPORT NAME: GUNNISON-CRESTED BUTTE RGNL	RNAV	27 AUG 2009	AMDT: NONE
			RNAV (RNP) RWY 6, ORIG	DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV 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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HBU	HBU	010	IAF	IF		FB				
	HBU	FESPA	020	SDF	TF		FB	0.5	190.8 (203T)	006.1	12000
	HBU	HIVOT	030	SDF	RF	R	FB	0.5		009.2	12000
	HBU	KETNE	040	SDF	RF	R	FB	0.5		006.3	12000
	HBU	KEEZR	050		RF	R	FB	0.5		005.2	11000
	MEYRS	MEYRS	010	IAF	IF		FB				
	MEYRS	CIMUS	020	SDF	TF		FB	1.0	082.8 (095T)	005.7	12000
	MEYRS	KEEZR	030		TF		FB	1.0	082.9 (095T)	005.0	11000
	POWES	POWES	010	IAF	IF		FB				
	POWES	NIKTE	020	SDF	TF		FB	1.0	335.3 (347T)	007.5	13000
	POWES	KEEZR	030		TF		FB	1.0	335.4 (347T)	007.4	11000
	SKIPT	SKIPT	010		IF		FB				
	SKIPT	HBU	020	IAF	TF		FB	2.0	232.2 (244T)	013.0	13000
	SKIPT	FESPA	030	SDF	TF		FB	0.5	190.8 (203T)	006.2	12000
	SKIPT	HIVOT	040	SDF	RF	R	FB	0.5		009.2	12000
	SKIPT	KETNE	050	SDF	RF	R	FB	0.5		006.3	12000
	SKIPT	KEEZR	060		RF	R	FB	0.5		005.2	11000
		KEEZR	010	FACF	IF		FB				11000
		OSDUE	020	FAF	TF		FB	0.5	061.4 (073T)	006.8	10300
		RW06	030	MAP	TF		FB	0.3	061.4 (073T)	007.5	07707 MAN
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		POSLY	040		TF		FB	0.3	061.6 (074T)	002.2	
		JENRO	050		RF	R	FB	0.44		003.2	
		TPOC	060		RF	R	FB	0.51		001.3	
		RNGLE	070		RF	R	FB	1.0		019.9	
		HBU	080		TF		FO	1.0	306.4 (318T)	005.3	13000
		HBU	090		HM	L	FO	2.0	174.5 (187T)	008.0	13000

(CONT'D ON PAGE 4)

QUALITY
8
CHECKED

CITY AND STATE GUNNISON, CO	ELEVATION: 7680 TDZE: 7667	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 27 AUG 2009 RNAV (RNP) RWY 6, ORIG	SUP:
	AIRPORT NAME: GUNNISON-CRESTED BUTTE RGNL			AMDT: NONE
	DATED:			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AKIGY	382319.29N	1071226.47W	3823.322N	10712.441W
	AXOZU	382315.40N	1071201.00W	3823.257N	10712.017W
	AYXAF	382334.18N	1071147.38W	3823.570N	10711.790W
	CIMUS	382817.80N	1072031.46W	3828.297N	10720.524W
	EBEJU	382736.99N	1065206.36W	3827.617N	10652.106W
	ECEWE	382702.80N	1065226.24W	3827.047N	10652.437W
	ECUQO	382718.16N	1065214.25W	3827.303N	10652.238W
	FESPA	382127.62N	1070524.72W	3821.460N	10705.412W
	HBV	382707.75N	1070223.25W	3827.129N	10702.388W
	HIVOT	381849.08N	1071510.09W	3818.818N	10715.168W
	JENRO	383231.27N	1065000.28W	3832.521N	10650.005W
	KEEZR	382752.06N	1071410.14W	3827.868N	10714.169W
	KETNE	382408.90N	1071822.70W	3824.148N	10718.378W
	MEYRS	382846.77N	1072745.93W	3828.780N	10727.766W
	NIKTE	382038.54N	1071206.33W	3820.642N	10712.106W
	OSDUE	382949.09N	1070551.07W	3829.818N	10705.851W
	POSLY	383234.85N	1065358.02W	3832.581N	10653.967W
	POWES	381322.28N	1071001.58W	3813.371N	10710.026W
	RNGLE	382311.78N	1065757.66W	3823.196N	10657.961W
	SKIPT	383249.08N	1064729.64W	3832.818N	10647.494W
	TIPOC	383157.33N	1064829.54W	3831.956N	10648.492W
	RW06	383156.78N	1065642.31W	3831.946N	10656.705W

RUNWAY DATA	RWY	THLD ELEV	TCH
	06	07658	49

QUALITY
8
CHECKED

CITY AND STATE GUNNISON, CO	ELEVATION: 7680 TDZE: 7667	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 27 AUG 2009 RNAV (RNP) RWY 6, ORIG	SUP:
	AIRPORT NAME: GUNNISON-CRESTED BUTTE RGNL			AMDT: NONE
	DATED:			

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
TODDE	ZARAT (FO)	207.25 / 15.23	7000	LPV: DA LNAV/VNAV: DA LNAV: RW08 CLIMB TO 7000 DIRECT TEKAE AND HOLD.								
KINGO	ZARAT (FO)	299.25 / 11.92	7000									
ORWAY (IAF)	ZARAT (NOPT) (FB)	130.21 / 18.07	7000	ADDITIONAL FLIGHT DATA: HOLD W, RT, 080.81 INBOUND. CHART FAS OBST: 4390 TOWER 380226N/1033220W CHART PINON CANYON MOA. CHART TWO BUTTES HIGH MOA. DISTANCE TO THLD FROM 299 HAT: 0.80 NM. WAAS CHANNEL # 97613 REFERENCE PATH ID: W08A								
BLOOM (IAF)	ZARAT (NOPT) (FB)	025.94 / 18.30	7000									
STAXX (IAF)	ZARAT (NOPT) (FB)	067.95 / 17.92	7000									
ZARAT (IF/IAF)	ACAVA (FB)	080.62 / 9.00	5700									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W ZARAT, RT, 080.74 INBOUND, 7000 FT. IN LIEU OF PT (IAF) 3. FAC: 080.74 FAF: ACAVA _____ DIST FAF TO MAP: 4.42 THLD: 4.42 4. MIN. ALT: ZARAT 7000, ACAVA 5700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 5700 GS ALT AT: ACAVA 5700 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: RW08 6500				MAG VAR: 9E EPOCH YEAR: 2005								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @							
CATEGORY ==>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	4528	1	299	4528	1	299	4528	1	299	4528	1	299
LNAV/VNAV DA	4738	1 3/4	509	4738	1 3/4	509	4738	1 3/4	509	4738	1 3/4	509
LNAV MDA	4700	1	471	4700	1	471	4700	1 1/4	471	4700	1 1/2	471
CIRCLING	4740	1	511	4740	1	511	4740	1 1/2	511	4780	2	551
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING LAMAR ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23C (-9F) OR ABOVE 40C (104F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10												
CITY AND STATE		ELEVATION: 4229 TDZE: 4229		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
LA JUNTA, CO		AIRPORT NAME: LA JUNTA MUNI				RNAV (GPS) RWY 8, AMDT 1		AMDT: ORIG				
						27 AUG 2009		DATED 07/10/2003				

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAMAR ALTIMETER SETTING AND INCREASE

ALL DA/MDA 180 FEET AND INCREASE ALL VISIBILITIES 3/4 MILE.

CITY AND STATE

LA JUNTA, CO

ELEVATION: 4229 TDZE: 4229

AIRPORT NAME:

LA JUNTA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG

DATED: 07/10/2003

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KLHX
RUNWAY RW08
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W08A
LTP/FTP LATITUDE 380253.3015N
LTP/FTP LONGITUDE 1033124.0245W
LTP/FTP ELLIPSOIDAL HEIGHT +12668
FPAP LATITUDE 380253.6000N
FPAP LONGITUDE 1032931.2200W
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 0664
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

BD82E186

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K2
LTP ORTHOMETRIC HEIGHT +12889
FPAP ORTHOMETRIC HEIGHT +12889

CITY AND STATE
LA JUNTA, CO

ELEVATION: 4229 TDZE: 4229
AIRPORT NAME:
LA JUNTA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 8, AMDT 1
27 AUG 2009

SUP:
AMDT: ORIG
DATED: 07/10/2003

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

QUALITY
CHECKED

CITY AND STATE LA JUNTA, CO	ELEVATION: 4229 TDZE: 4229 AIRPORT NAME: LA JUNTA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED: 07/10/2003

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[illegible][illegible]

QUALITY
1
CHECKED

SUP:	
AMDT:	ORIG
DATED:	07/10/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BLOOM	BLOOM	010	IAF	IF		FB				
	BLOOM	ZARAT	020		TF		FB	1.0	025.9 (035T)	018.3	07000
	KINGO	KINGO	010		IF		FB				
	KINGO	ZARAT	020	IAF	TF		FO	2.0	299.3 (308T)	011.9	07000
	KINGO	ZARAT	030		HF	R	FO		080.7 (090T)	007.0	07000
	ORWAY	ORWAY	010	IAF	IF		FB				
	ORWAY	ZARAT	020		TF		FB	1.0	130.2 (139T)	018.1	07000
	STAXX	STAXX	010	IAF	IF		FB				
	STAXX	ZARAT	020		TF		FB	1.0	068.0 (077T)	017.9	07000
	TODDE	TODDE	010		IF		FB				
	TODDE	ZARAT	020	IAF	TF		FO	2.0	207.3 (216T)	015.2	07000
	TODDE	ZARAT	030		HF	R	FO		080.7 (090T)	007.0	07000
		ZARAT	010	FACF	IF		FB				07000
		ACAVA	020	FAF	TF		FB	0.5	080.6 (090T)	009.0	05700
		RW08	030	MAP	TF		FO	0.3	080.7 (090T)	004.4	04274

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	TEKAE	040		DF		FO	1.0			07000
	TEKAE	050		HM	R	FO	2.0	080.8 (090T)	007.0	07000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACAVA	N380252.24	W1033659.85	N3802.871	W10336.998
	BLOOM	N374748.90	W1040139.46	N3747.815	W10401.658
	KINGO	N375526.61	W1033632.42	N3755.444	W10336.540
	ORWAY	N381632.08	W1040320.14	N3816.535	W10403.336
	STAXX	N375848.29	W1041029.43	N3758.805	W10410.491
	TEKAE	N380254.94	W1031133.32	N3802.916	W10311.555
	TODDE	N381507.57	W1033659.43	N3815.126	W10336.991
	ZARAT	N380249.22	W1034823.46	N3802.820	W10348.391
	RW08	N380253.30	W1033124.02	N3802.888	W10331.400

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW08	04229		45

QUALITY
1
CHECKED

CITY AND STATE LA JUNTA, CO	ELEVATION: 4229 TDZE: 4229	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1 27 AUG 2009	SUP:
	AMDT:			ORIG
	DATED:			07/10/2003
AIRPORT NAME: LA JUNTA MUNI				

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
TODDE	TEKAE (FO)	112.17 / 23.48	7000	LPV: DA LNAV/VNAV: DA LNAV: RW26 CLIMB TO 7000 DIRECT ZARAT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 260.81 INBOUND. FAS OBST: 4188 RWY 26 380254N/1032958W CHART PINON CANYON MOA. CHART TWO BUTTES HIGH MOA. DISTANCE TO THLD FROM 250 HAT: 0.76 NM. CHART VDP AT 0.89 MILES TO RW26* *LNAV ONLY. WAAS CHANNEL # 93813 REFERENCE PATH ID: W26A											
KOWTO (IAF)	TEKAE (NOPT) (FB)	298.72 / 13.44	7000												
TEKAE (IF/IAF)	ACERI (FB)	261.00 / 9.89	5700												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>HOLD E TEKAE, RT, 261.00 INBOUND, 7000 FT. IN LIEU OF PT (IAF)</u> 3. FAC: <u>260.87</u> FAF: <u>ACERI</u> DIST FAF TO MAP: <u>4.66</u> THLD: <u>4.66</u> 4. MIN. ALT: <u>TEKAE 7000, ACERI 5700</u> 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>5700</u> GS ALT AT: <u>ACERI 5700</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>43.0</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW26 6500</u>				MAG VAR: 9E EPOCH YEAR: 2005											
MINIMUMS															
TAKEOFF: <u> </u>	STANDARD ☒	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	4438	1	250	4438	1	250	4438	1	250	4438	1	250			
LNAV/VNAV DA	4438	1	250	4438	1	250	4438	1	250	4438	1	250			
LNAV MDA	4480	1	292	4480	1	292	4480	1	292	4480	1	292			
CIRCLING	4740	1	511	4740	1	511	4740	1 1/2	511	4780	2	551			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23C (-9F) OR ABOVE 40C (104F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LAMAR ALTIMETER SETTING. SEE 8260-10															
CITY AND STATE		ELEVATION: 4229 TDZE: 4188		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
LA JUNTA, CO		AIRPORT NAME: LA JUNTA MUNI				RNAV (GPS) RWY 26, AMDT 1 27 AUG 2009				AMDT: ORIG					
										DATED 07/10/2003					

QUALITY
CHECKED

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LAMAR ALTIMETER SETTING AND INCREASE ALL DA/MDA 180 FEET. INCREASE ALL VISIBILITY 3/4 MILE.

CITY AND STATE

LA JUNTA, CO

ELEVATION: 4229 TDZE: 4188

AIRPORT NAME:

LA JUNTA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG

DATED: 07/10/2003

QUALITY
7
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KLHX
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	380253.5340N
LTP/FTP LONGITUDE	1032958.4245W
LTP/FTP ELLIPSOIDAL HEIGHT	+12439
FPAP LATITUDE	380253.2200N
FPAP LONGITUDE	1033151.2200W
THRESHOLD CROSSING HEIGHT (TCH)	00043.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0664
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

63ED299B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+12661
FPAP ORTHOMETRIC HEIGHT	+12661

QUALITY
1
CHECKED

CITY AND STATE LA JUNTA, CO	ELEVATION: 4229 TDZE: 4188 AIRPORT NAME: LA JUNTA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED: 07/10/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEAENRT	ACERI K20	W		N38025431W103240446				E0081	NAR		ACERI		
SUSAEAENRT	KOWTO K20	C	L	N37544183W102580595				E0079	NAR		KOWTO		
SUSAEAENRT	TEKAE K20	C	L	N38025494W103113332				E0080	NAR		TEKAE		
SUSAEAENRT	TODDE K20	R	B	N38150757W103365943				E0083	NAR		TODDE		
SUSAEAENRT	ZARAT K20	W		N38024922W103482346				E0083	NAR		ZARAT		

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KLHXX2A		0		068YHN38030000W103303510E009004229				1800018000C	MNAR		LA JUNTA MUNI		

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KLHXX2FR26	AKOWTO	010KOWTOK2EA0E	A	IF						18000		A JS	
SUSAP KLHXX2FR26	AKOWTO	020TEKAEK2EA0EE		010TF			29870134		+ 07000			A JS	
SUSAP KLHXX2FR26	ATODDE	010TODDEK2EA0E		IF						18000		A JS	
SUSAP KLHXX2FR26	ATODDE	020TEKAEK2EA0EY		020TF			11220235		+ 07000			A JS	
SUSAP KLHXX2FR26	ATODDE	030TEKAEK2EA0EE	AR	HF			26100070		+ 07000			A JS	
SUSAP KLHXX2FR26	R	010TEKAEK2EA0E	I	IF					+ 07000	18000		A JS	
SUSAP KLHXX2FR26	R	020ACERIK2EA1E	F	051TF			26100099		+ 05700		RW26 K2PGA	JS	
SUSAP KLHXX2FR26	R	020ACERIK2EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KLHXX2FR26	R	030RW26 K2PG0GY	M	031TF			26090047		04197		-300	A JS	
SUSAP KLHXX2FR26	R	040ZARATK2EA0EYM		010DF					+ 07000			A JS	
SUSAP KLHXX2FR26	R	050ZARATK2EA0EE		R020HM			26080070		+ 07000			A JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KLHXX2GRW26		0068492608		N38025353W103295842+1100				+1243904154000043075R					

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KLHXX2PR26	RW26	001	0000W26A0N3802535340W10329584245+124390300N3802532200W10331512200106750664000430F40050063ED299B										
SUSAP KLHXX2PR26	RW26	002E		+12661+12661LPV		93813							

QUALITY
CHECKED

CITY AND STATE LA JUNTA, CO	ELEVATION: 4229 TDZE: 4188	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: LA JUNTA MUNI			AMDT: ORIG
				DATED: 07/10/2003

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[illegible]

QUALITY
CHECKED

CITY AND STATE LA JUNTA, CO	ELEVATION: 4229 TDZE: 4188 AIRPORT NAME: LA JUNTA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 1 27 AUG 2009	SUP:	
				AMDT:	ORIG
				DATED:	07/10/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KOWTO	KOWTO	010	IAF	IF		FB				
	KOWTO	TEKAE	020		TF		FB	1.0	298.7 (308T)	013.4	07000
	TODDE	TODDE	010		IF		FB				
	TODDE	TEKAE	020		TF		FO	2.0	112.2 (121T)	023.5	07000
	TODDE	TEKAE	030	IAF	HF	R	FO		261.0 (270T)	007.0	07000
		TEKAE	010	FACF	IF		FB				07000
		ACERI	020	FAF	TF		FB	0.5	261.0 (270T)	009.9	05700
		RW26	030	MAP	TF		FO	0.3	260.9 (270T)	004.7	04197

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZARAT	040		DF		FO	1.0			07000
	ZARAT	050		HM	R	FO	2.0	260.8 (270T)	007.0	07000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACERI	N380254.31	W1032404.46	N3802.905	W10324.074
	KOWTO	N375441.83	W1025805.95	N3754.697	W10258.099
	TEKAE	N380254.94	W1031133.32	N3802.916	W10311.555
	TODDE	N381507.57	W1033659.43	N3815.126	W10336.991
	ZARAT	N380249.22	W1034823.46	N3802.820	W10348.391
	RW26	N380253.53	W1032958.42	N3802.892	W10329.974

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW26	04154		43

QUALITY
CHECKED

CITY AND STATE

LA JUNTA, CO

ELEVATION: 4229 TDZE: 4188

AIRPORT NAME:

LA JUNTA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG

DATED: 07/10/2003

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW08
SN NDB	CENOR (FB)	259.41 / 17.97	2600	CLIMB TO 2800 DIRECT DUCFI AND VIA 359.70 TRACK TO SN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2800.
HIRCH	COVHI (FB)	285.03 / 19.78	2600	
HEXUG (IAF)	DAMQY (FB)	043.07 / 9.30	2600	
COVHI (IAF)	DAMQY (FB)	348.00 / 5.00	2600	
CENOR (IAF)	DAMQY (FB)	168.00 / 6.00	2600	
DAMQY (IF)	ELOXE (FB)	078.00 / 6.09	1800	ADDITIONAL FLIGHT DATA: HOLD NE, RT, 216.00 INBOUND. CHART FAS OBST: 395 TREE 150014N/1453621E CHART VDP AT 1.19 MILES TO RW08. ELOXE TO RW08: 3.04/45. CHART ARPT ELEV: 271

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT DAMQY
- FAC: 078.03 FAF: ELOXE DIST FAF TO MAP: 4.71 THLD: 4.71
- MIN. ALT: DAMQY 2600, ELOXE 1800
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS CLEAR
- MSA FROM: RW08 2800

MAG VAR: 1E

EPOCH YEAR: 2005

MINIMUMS

TAKEOFF:	STANDARD	X	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	660	1	417	660	1	417	660	1 1/4	417	660	1 1/4	417			
CIRCLING	760	1	489	760	1	489	800	1 1/2	529	960	2 1/4	689			

SAIPAN ALTIMETER SETTING MINIMUMS

LNAV MDA	680	1	437	680	1	437	680	1 1/4	437	680	1 1/2	437			
CIRCLING	800	1	529	800	1	529	840	1 1/2	569	1000	2 1/4	729			

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HEXUG VIA A221 NORTHBOUND AND FOR ARRIVALS AT HIRCH VIA W21 NORTHEAST BOUND.

CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE SAIPAN ALTIMETER

SEE 8260-10

@ CAT D 800-2 1/4

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE TINIAN ISLAND, CQ	ELEVATION: 271 TDZE: 243 AIRPORT NAME: TINIAN INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1 27 AUG 2009	SUP: AMDT: ORIG DATED 10/30/2003

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

SETTING.

CHART NOTE: VDP NA WHEN USING SAIPAN ALTIMETER SETTING.

CITY AND STATE

TINIAN ISLAND, CQ

ELEVATION: 271

TDZE: 243

AIRPORT NAME:

TINIAN INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 8, AMDT 1

27 AUG 2009

SUP:

AMDT:

ORIG

DATED:

10/30/2003

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SPACP	PGWTPGFR08	AHEXUG	010HEXUGPGEA0E	A	IF					18000		B	JS
SPACP	PGWTPGFR08	AHEXUG	020DAMQYPGEA0EE		010TF		04310093	+	02600			B	JS
SPACP	PGWTPGFR08	AHIRCH	010HIRCHPGEA0E		IF					18000		B	JS
SPACP	PGWTPGFR08	AHIRCH	020COVHIPGEA0E	A	020TF		28500198	+	02600			B	JS
SPACP	PGWTPGFR08	AHIRCH	030DAMQYPGEA0EE		010TF		34800050	+	02600			B	JS
SPACP	PGWTPGFR08	ASN	010SN PGDB0N		IF					18000		B	JS
SPACP	PGWTPGFR08	ASN	020CENORPGEA0E	A	020TF		25940180	+	02600			B	JS
SPACP	PGWTPGFR08	ASN	030DAMQYPGEA0EE		010TF		16800060	+	02600			B	JS
SPACP	PGWTPGFR08	R	010DAMQYPGEA0E	I	IF					18000		B	JS
SPACP	PGWTPGFR08	R	020ELOXEPGEA1E	F	051TF		07800061	+	01800		RW08	PGPGB	JS
SPACP	PGWTPGFR08	R	020ELOXEPGEA2WN			N	ALNAV						JS
SPACP	PGWTPGFR08	R	030RW08 PGPG0GY	M	031TF		07800047		00282		-304	B	JS
SPACP	PGWTPGFR08	R	040DUCFIPGEA0E	M	010DF							B	JS
SPACP	PGWTPGFR08	R	050SN PGDB0NY		010TF		3597	+	02800			B	JS
SPACP	PGWTPGFR08	R	060SN PGDB0NE		HR020HM		21600040	+	02800			B	JS

CITY AND STATE TINIAN ISLAND, CQ	ELEVATION: 271 TDZE: 243 AIRPORT NAME: TINIAN INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1 27 AUG 2009	SUP:	
				AMDT:	ORIG
				DATED:	10/30/2003

QUALITY
2
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CITY AND STATE TINIAN ISLAND, CQ	ELEVATION: 271 TDZE: 243 AIRPORT NAME: TINIAN INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED: 10/30/2003

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HEXUG	HEXUG	010	IAF	IF		FB				
	HEXUG	DAMQY	020		TF		FB	1.0	043.1 (044T)	009.3	02600
	HIRCH	HIRCH	010		IF		FB				
	HIRCH	COVHI	020	IAF	TF		FB	2.0	285.0 (286T)	019.8	02600
	HIRCH	DAMQY	030		TF		FB	1.0	348.0 (349T)	005.0	02600
	SN	SN	010		IF		FB				
	SN	CENOR	020	IAF	TF		FB	2.0	259.4 (260T)	018.0	02600
	SN	DAMQY	030		TF		FB	1.0	168.0 (169T)	006.0	02600
		DAMQY	010	FACF	IF		FB				02600
		ELOXE	020	FAF	TF		FB	0.5	078.0 (079T)	006.1	01800
		RW08	030	MAP	TF		FO	0.3	078.0 (079T)	004.7	00282

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DUCFI	040		DF		FB	1.0			
	SN	050		TF		FO	1.0	359.7 (001T)		02800
	SN	060		HM	R	FO	2.0	216.0 (217T)	004.0	02800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SN	N150641.20	E1454237.20	N1506.687	E14542.620
	CENOR	N150340.03	E1452418.40	N1503.667	E14524.307
	COVHI	N145249.39	E1452628.50	N1452.823	E14526.475
	DAMQY	N145745.14	E1452529.39	N1457.752	E14525.490
	DUCFI	N150057.85	E1454232.86	N1500.964	E14542.548
	ELOXE	N145855.11	E1453140.20	N1458.919	E14531.670
	HEXUG	N145102.41	E1451848.27	N1451.040	E14518.805
	HIRCH	N144721.11	E1454606.68	N1447.352	E14546.111
	RW08	N145949.02	E1453626.59	N1459.817	E14536.443

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	00237	45

CITY AND STATE TINIAN ISLAND, CQ	ELEVATION: 271 TDZE: 243	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: TINIAN INTL			AMDT: ORIG
				DATED: 10/30/2003

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW26 CLIMBING RIGHT TURN TO 2800 DIRECT SN NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2800. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 216.00 INBOUND. CHART FAS OBST: 493 TREE 150049N/1453939E CHART APT ELEV: 271 CHART VDP AT 1.40 MILES TO RW26. CHART TDZE: 271 DUCFI TO RW26 3.04/45.
SNAPP	SHODA (FB)	227.24 / 63.63	4700	
HIRCH	GAFWY (FB)	078.01 / 4.28	7000	
GAFWY (IAF)	SADVE (FB)	353.43 / 14.02	2600	
SHODA (IAF)	SADVE (FB)	163.96 / 6.58	2600	
SADVE (IF)	DUCFI (FB)	258.10 / 6.40	1800	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT SADVE
3. FAC: 258.07 FAF: DUCFI DIST FAF TO MAP: 4.60 THLD: 4.60
4. MIN. ALT: SADVE 2600, DUCFI 1800
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS CLEAR
8. MSA FROM: RW26 2800

MAG VAR: 1E

EPOCH YEAR: 2005

MINIMUMS															
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @										
CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	760	1	489	760	1	489	760	1 1/4	489	760	1 1/2	489			
CIRCLING	760	1	489	760	1	489	800	1 1/2	529	960	2 1/4	689			

SAIPAN ALTIMETER SETTING MINIMUMS															
LNAV MDA	780	1	509	780	1	509	780	1 1/2	509	780	1 1/2	509			
CIRCLING	800	1	529	800	1	529	840	1 1/2	569	1000	2 1/4	729			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE SAIPAN ALTIMETER SETTING.
CHART NOTE: VDP NA WHEN USING SAIPAN ALTIMETER SETTING.

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

CITY AND STATE TINIAN ISLAND, CQ	ELEVATION: 271 TDZE: 271 AIRPORT NAME: TINIAN INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED 10/30/2003



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[illegible]

SUP:	
AMDT:	ORIG
DATED:	10/30/2003

003
QUALITY
2
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.

[illegible]

SUP:	
AMDT:	ORIG
DATED:	10/30/2000

QUALITY
2
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HIRCH	HIRCH	010		IF		FB				
	HIRCH	GAFWY	020	IAF	TF		FB	2.0	078.0(079T)	004.3	07000
	HIRCH	SADVE	030		TF		FB	1.0	353.4(354T)	014.0	02600
	SNAPP	SNAPP	010		IF		FB				
	SNAPP	SHODA	020	IAF	TF		FB	2.0	227.2(228T)	063.6	04700
	SNAPP	SADVE	030		TF		FB	1.0	164.0(165T)	006.6	02600
		SADVE	010	FACF	IF		FB				02600
		DUCFI	020	FAF	TF		FB	0.5	258.1(259T)	006.4	01800
		RW26	030	MAP	TF		FO	0.3	258.1(259T)	004.6	00316

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	SN	040		DF	R	FO	1.0			02800
	SN	050		HM	R	FO	2.0	216.0(217T)	004.0	02800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SN	N150641.20	E1454237.20	N1506.687	E14542.620
	DUCFI	N150057.85	E1454232.86	N1500.964	E14542.548
	GAFWY	N144810.20	E1455026.77	N1448.170	E14550.446
	HIRCH	N144721.11	E1454606.68	N1447.352	E14546.111
	SADVE	N150210.84	E1454902.34	N1502.181	E14549.039
	SHODA	N150833.70	E1454716.47	N1508.562	E14547.275
	SNAPP	N155112.38	E1463620.82	N1551.206	E14636.347
	RW26	N150005.22	E1453752.74	N1500.087	E14537.879

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW26	00271	45

CITY AND STATE TINIAN ISLAND, CQ	ELEVATION: 271 TDZE: 271	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: TINIAN INTL			AMDT: ORIG
				DATED: 10/30/2003

QUALITY
2
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 8, 26 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 26, MULTIPLE TREES BEGINNING 743' FROM DER, 508' RIGHT OF CENTERLINE, UP TO 100' AGL/363' MSL.

NOTE: RWY 8, TREES BEGINNING 694' FROM DER, 507' LEFT OF CENTERLINE, UP TO 100' AGL/363' MSL. MULTIPLE TREES BEGINNING 569' FROM DER, 471' RIGHT OF CENTERLINE, UP TO 100' AGL/389' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State
TINIAN ISLAND, CQ

(6) Airport
TINIAN INTL

(7) Effective Date
27 AUG 2009

(8) Amdt. No.
1

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 5, 13, 23, 31 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: **RWY 5**, BUSH, TRAIN, AND MULTIPLE TREES BEGINNING 81' FROM DER, 52' RIGHT OF CENTERLINE, UP TO 73' AGL/90' MSL. MULTIPLE ANTENNAS AND TREES BEGINNING 330' FROM DER, 81' LEFT OF CENTERLINE, UP TO 70' AGL/86' MSL.

NOTE: **RWY 13**, BUSH, ROAD, BUILDINGS AND MULTIPLE TREES BEGINNING 66' FROM DER, 138' RIGHT OF CENTERLINE, UP TO 52' AGL/66' MSL. ROD ON LIGHT POLE 306' FROM DER, 375' RIGHT OF CENTERLINE, UP TO 22' AGL/37' MSL. TREES 644' FROM DER, 375' RIGHT OF CENTERLINE, UP TO 72' AGL/87' MSL. FENCE 241' FROM DER, 138' LEFT OF CENTERLINE, 10' AGL/24' MSL. OL ON BLDG 829' FROM DER, 447' LEFT OF CENTERLINE, 34' AGL/48' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

FORT MYERS, FL

(6) Airport

PAGE FIELD

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

5

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION) FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

Bearings, headings, courses, and radials are magnetic. Elevations 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 unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

(3) TAKEOFF OBSTACLE NOTES (CONTINUED).

NOTE: RWY 23, SIGN, CONCRETE POLE, OL ON POLE, TREE AND ANTENNA BEGINNING 98' FROM DER, 95' RIGHT OF CENTERLINE, UP TO 36' AGL/49' MSL. VEHICLES, CONCRETE POLE, OL ON POLE AND TREES BEGINNING 288' FROM DER, 8' LEFT OF CENTERLINE, UP TO 62' AGL/75' MSL.

NOTE: RWY 31, CONCRETE POLE, POWER POLES, LIGHT POLES, FLOODLIGHTS, VEHICLES, TREES, ANTENNA TOWERS AND BRIDGE BEGINNING 5' FROM DER, 285' RIGHT OF CENTERLINE UP TO 113' AGL/126' MSL. POWER POLES, CONCRETE POLE AND TREES BEGINNING 67' FROM DER, 235' LEFT OF CENTERLINE, UP TO 74' AGL/88' MSL.

City, State FORT MYERS, FL		Airport PAGE FIELD			Effective Date 27 AUG 2009	Amdt. No. 5
DP Name	Number	DP Computer Code	Superseded Number 4	Dated 22 Mar 01	Effective Date 27 AUG 2009	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS 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.

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: _____	STANDARD _____	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

NOTES:

27 AUG 2009

PROCEDURE CANCELED EFFECTIVE _____

CITY AND STATE TITUSVILLE, FL	ELEVATION: 34 TDZE: 32	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 9, ORIG-C, 01/28/1999	SUP
	AIRPORT NAME: SPACE COAST REGIONAL			AMDT ORIG-B
	DATE 10 AUG 00			

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

PAGE 1 OF 1 PAGES

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
TERMINAL ROUTES								MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: RW09 CLIMBING RIGHT TURN TO 2800 DIRECT CUJEN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 049.97 INBOUND. CHART FAS OBST: 104 TREE 283043N/0804835W CHART R-2934. TUNPY TO RW09: 3.14/60.0.									
OVIDO		BINYY (FB)		157.78 / 7.72		2800											
PRESK		CUJEN (FB)		028.11 / 7.60		2800											
BINYY (IAF)		OMLOF (FB)		138.97 / 5.00		2800											
CUJEN (IAF)		OMLOF (FB)		049.97 / 5.00		2800											
OMLOF (IF)		TUNPY (FB)		094.03 / 6.28		1600											
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT OMLOF 3. FAC: <u>094.09</u> FAF: <u>TUNPY</u> DIST FAF TO MAP: <u>4.53</u> THLD: <u>4.53</u> 4. MIN. ALT: <u>OMLOF 2800, TUNPY 1600</u> 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: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW09 3000</u>								MAG VAR: 5W EPOCH YEAR: 2000									
MINIMUMS																	
TAKEOFF:		STANDARD		X		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	408	440	1	408	440	1 1/4	408	440	1 1/4	408					
CIRCLING	640	1	606	640	1	606	640	1 3/4	606	640	2	606					
MELBOURNE ALTIMETER SETTING MINIMUMS																	
LNAV MDA	500	1	468	500	1	468	500	1 1/4	468	500	1 1/2	468					
CIRCLING	700	1	666	700	1	666	700	1 3/4	666	700	2	666					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN CONTROL TOWER CLOSED, USE MELBOURNE ALTIMETER SETTING. SEE 8260-10																	
CITY AND STATE				ELEVATION: 34 TDZE: 32				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
TITUSVILLE, FL				AIRPORT NAME:				RNAV				RNAV (GPS) Y RWY 9, ORIG				AMDT: NONE	
				SPACE COAST REGIONAL								27 AUG 2009				DATED	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PRESK VIA V159-537 AND ARRIVALS AT OVIDO VIA V437 AND V51 NORTHWEST BOUND.

QUALITY
9
CHECKED

CITY AND STATE TITUSVILLE, FL	ELEVATION: 34 TDZE: 32	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 9, ORIG 27 AUG 2009	SUP:
	AIRPORT NAME: SPACE COAST REGIONAL			AMDT: NONE
				DATED:

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

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

CITY AND STATE TITUSVILLE, FL	ELEVATION: 34 TDZE: 32	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) Y RWY 9, ORIG	AMDT: NONE
	SPACE COAST REGIONAL		27 AUG 2009	DATED:

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

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SUSAP KTIKX7SRW09 K7PG

0 18018003025

M

CITY AND STATE

TITUSVILLE, FL

ELEVATION: 34 TDZE: 32

AIRPORT NAME:

SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 9, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	OVIDO	OVIDO	010		IF		FB				
	OVIDO	BINYY	020	IAF	TF		FB	2.0	157.8 (153T)	007.7	02800
	OVIDO	OMLOF	030		TF		FB	1.0	139.0 (134T)	005.0	02800
	PRESK	PRESK	010		IF		FB				
	PRESK	CUJEN	020	IAF	TF		FB	2.0	028.1 (023T)	007.6	02800
	PRESK	OMLOF	030		TF		FB	1.0	050.0 (045T)	005.0	02800
		OMLOF	010	FACF	IF		FB				02800
		TUNPY	020	FAF	TF		FB	0.5	094.0 (089T)	006.3	01600
		RW09	030	MAP	TF		FO	0.3	094.1 (089T)	004.5	00092

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CUJEN	040		DF	R	FO	1.0			02800
	CUJEN	050		HM	R	FO	2.0	050.0 (045T)	006.0	02800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BINYY	N283412.67	W0810457.53	N2834.211	W08104.959
	CUJEN	N282711.04	W0810453.10	N2827.184	W08104.885
	OMLOF	N283043.79	W0810052.44	N2830.730	W08100.874
	OVIDO	N284105.45	W0810858.00	N2841.091	W08108.967
	PRESK	N282010.33	W0810816.22	N2820.172	W08108.270
	TUNPY	N283049.99	W0805344.64	N2830.833	W08053.744
	RW09	N283054.22	W0804836.29	N2830.904	W08048.605

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00032	60

CITY AND STATE TITUSVILLE, FL	ELEVATION: 34 TDZE: 32	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 9, ORIG 27 AUG 2009	SUP:
	AIRPORT NAME: SPACE COAST REGIONAL			AMDT: NONE
				DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.			
TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: STRUG			
OVIDO (IAF)	KYTEE (NOPT) (FB)	097.61 / 13.10	1600	CLIMBING RIGHT TURN TO 1600 DIRECT KYTEE AND HOLD.			
OAKIE (IAF)	KYTEE (NOPT) (FB)	176.55 / 10.68	1600				
KYTEE (IF/IAF)	SAMPY (FB)	139.45 / 6.00	1600				
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 180 TOWER 283338N/0804809W CHART 419 TOWER 283536N/0804900W. CHART R-2934. CHART VDP AT 0.66 MILES TO STRUG. SAMPY TO RW18: 2.88/47. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)							
2. HOLD NW KYTEE, RT, 139.45 INBOUND, 1600 FT. IN LIEU OF PT (IAF)							
3. FAC: 169.12 FAF: SAMPY DIST FAF TO MAP: 4.51 THLD: 4.98							
4. MIN. ALT: KYTEE 1600, SAMPY 1600, SHIRL/1.72 NM TO STRUG 740							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____							
6. MIN GS INCP: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____							
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR							
8. MSA FROM: STRUG 3000							
				MAG VAR: 5W EPOCH YEAR: 2000			
MINIMUMS							
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @		
CATEGORY =====>	A		B		C		E
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA
LNAV MDA	440	1	408	440	1	408	440
CIRCLING	640	1	606	640	1	606	640
MELBOURNE ALTIMETER SETTING MINIMUMS							
LNAV MDA	500	1	468	500	1	468	500
CIRCLING	700	1	666	700	1	666	700
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN CONTROL TOWER CLOSED, USE MELBOURNE ALTIMETER SETTING. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OAKIE VIA V3 NORTHBOUND AND ARRIVALS AT OVIDO SEE 8260-10							
CITY AND STATE TITUSVILLE, FL		ELEVATION: 34 TDZE: 32 AIRPORT NAME: SPACE COAST REGIONAL		FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 18, ORIG 27 AUG 2009		SUP: AMDT: NONE DATED

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

VIA V533 SOUTHWEST BOUND.

CHART NOTE: VDP NA WHEN USING MELBOURNE ALTIMETER SETTING.

CITY AND STATE

TITUSVILLE, FL

ELEVATION: 34 TDZE: 32

AIRPORT NAME:

SPACE COAST REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 18, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

RNAV (GPS) 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.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KTIXK7FR18-Y AKYTEE	010KYTEEK7EA0EE	CR	HF				13950040	+	01600	18000		B	JS
SUSAP KTIXK7FR18-Y AOAKIE	010OAKIEK7EA0E	A	IF							18000		B	JS
SUSAP KTIXK7FR18-Y AOAKIE	020KYTEEK7EA0EE		010TF				17660107	+	01600			B	JS
SUSAP KTIXK7FR18-Y AOVIDO	010OVIDOK7EA0E	A	IF							18000		B	JS
SUSAP KTIXK7FR18-Y AOVIDO	020KYTEEK7EA0EE		031TF				09760131	+	01600			B	JS
SUSAP KTIXK7FR18-Y R	010KYTEEK7EA0E	I	IF					+	01600	18000		B	JS
SUSAP KTIXK7FR18-Y R	020SAMPYK7EA1E	F	051TF				13950060	+	01600			STRUG K7EAB	JS
SUSAP KTIXK7FR18-Y R	020SAMPYK7EA2WN			N		ALNAV							JS
SUSAP KTIXK7FR18-Y R	021SHIRLK7EA0E	S	031TF				16910028	V	0074000753		-288	B	JS
SUSAP KTIXK7FR18-Y R	030STRUGK7EA0EY	M	031TF				16910017		00233		-288	B	JS
SUSAP KTIXK7FR18-Y R	040KYTEEK7EA0EYM	R	010DF					+	01600			B	JS
SUSAP KTIXK7FR18-Y R	050KYTEEK7EA0EE		HR020HM				13950040	+	01600			B	JS

[illegible][illegible]

ELEVATION: 34 TDZE: 32
AIRPORT NAME:
SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMD'T NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 18, ORIG
27 AUG 2009

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

SUSAP KTIXK7SSTRUGK7EA

0 18018003025

M

CITY AND STATE
TITUSVILLE, FL

ELEVATION: 34 TDZE: 32
AIRPORT NAME:
SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 18, ORIG
27 AUG 2009

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KYTEE	KYTEE	010		HF	R	FB		139.5 (135T)	004.0	01600
	OAKIE	OAKIE	010	IAF	IF		FB				
	OAKIE	KYTEE	020		TF		FB	1.0	176.6 (172T)	010.7	01600
	OVIDO	OVIDO	010	IAF	IF		FB				
	OVIDO	KYTEE	020		TF		FB	0.3	097.6 (093T)	013.1	01600
		KYTEE	010	FACF	IF		FB				01600
		SAMPY	020	FAF	TF		FB	0.5	139.5 (135T)	006.0	01600
		SHIRL	021	SDF	TF		FB	0.3	169.1 (164T)	002.8	0074000753
		STRUG	030	MAP	TF		FO	0.3	169.1 (164T)	001.7	00233

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KYTEE	040		DF	R	FO	1.0			01600
	KYTEE	050		HM	R	FO	2.0	139.5 (135T)	004.0	01600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	KYTEE	N284028.76	W0805405.28	N2840.479	W08054.088
	OAKIE	N285104.26	W0805552.35	N2851.071	W08055.873
	OVIDO	N284105.45	W0810858.00	N2841.091	W08108.967
	SAMPY	N283615.87	W0804913.31	N2836.265	W08049.222
	SHIRL	N283334.65	W0804821.38	N2833.578	W08048.356
	STRUG	N283155.13	W0804749.31	N2831.919	W08047.822
	RW18	N283125.43	W0804748.79	N2831.424	W08047.813

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00030	47

CITY AND STATE
TITUSVILLE, FL

ELEVATION: 34 TDZE: 32
 AIRPORT NAME:
 SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

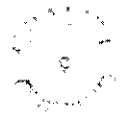
PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Y RWY 18, ORIG
 27 AUG 2009

SUP:
 AMDT: NONE
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
TERMINAL ROUTES								MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA CLIMB TO 3000 DIRECT HETES AND VIA TRACK 187.18 TO AWINY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, LT, 326.71 INBOUND. CHART FAS OBST: 106 TREE 283145N/0804755W CHART 102 TREE 283153N/0804745W. CHART R-2934. DISTANCE TO THLD FROM 300 HAT: 0.79 NM. WAAS CHANNEL # 56612 REFERENCE PATH ID: W18B CHART (FICTITIOUS THRESHOLD POINT) EGBIJ. FAC CROSSES RWY C/L EXTENDED 3626 FROM THLD. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 3.0 DEGREES.									
FORNI (IAF)		CUTON (FB)		137.11 / 5.47		1600											
CUTON (IF)		FATAD (FB)		181.11 / 2.39		1600											
FATAD		POPHY (FB)		181.12 / 3.71		1000											
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT CUTON 3. FAC: <u>181.12</u> FAF: <u>POPHY</u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: <u>CUTON 1600, FATAD 1600, POPHY 1000</u> 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>1000</u> GS ALT AT: <u>POPHY</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>EGBIJ 3000</u>								MAG VAR: 5W EPOCH YEAR: 2000									
MINIMUMS																	
TAKEOFF:		STANDARD		X		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		332	1	300	332	1	300	332	1	300	332	1	300				
LNAV/VNAV DA		377	1 1/4	345	377	1 1/4	345	377	1 1/4	345	377	1 1/4	345				
MELBOURNE ALTIMETER SETTING MINIMUMS																	
LNAV/VNAV DA		437	1 1/2	405	437	1 1/2	405	437	1 1/2	405	437	1 1/2	405				
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING MELBOURNE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10.																	
CITY AND STATE		ELEVATION: 34 TDZE: 32			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 18, ORIG 27 AUG 2009					SUP: AMDT: NONE DATED				
TITUSVILLE, FL		AIRPORT NAME: SPACE COAST REGIONAL															

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.**CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: WHEN CONTROL TOWER CLOSED, USE MELBOURNE ALTIMETER SETTING.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FORNI VIA V3 NORTHBOUND.**

CITY AND STATE

TITUSVILLE, FL

ELEVATION: 34 TDZE: 32

AIRPORT NAME:

SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 18, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KTIKX
RUNWAY RW18
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Z
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W18B
LTP/FTP LATITUDE 283125.4600N
LTP/FTP LONGITUDE 0804746.6600W
LTP/FTP ELLIPSOIDAL HEIGHT -00190
FPAP LATITUDE 282956.3300N
FPAP LONGITUDE 0804739.8200W
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

CRC REMAINDER

E67F7CB8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00091
FPAP ORTHOMETRIC HEIGHT +00091

CITY AND STATE
TITUSVILLE, FL

ELEVATION: 34 TDZE: 32
AIRPORT NAME:
SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Z RWY 18, ORIG
27 AUG 2009

SUP:
AMDT: NONE
DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTIXK7FR18-Z	AFORNI	010FORN	IK7EA0E	A	IF				18000		A	JS
SUSAP	KTIXK7FR18-Z	AFORNI	020CUTONK	7EA0EE	010TF		13710055	+	01600			A	JS
SUSAP	KTIXK7FR18-Z	R	010CUTONK	7EA0E	I	IF			+	01600	18000	A	JS
SUSAP	KTIXK7FR18-Z	R	011FATADK	7EA0E	S	051TF	18110024	+	01600			A	JS
SUSAP	KTIXK7FR18-Z	R	020POPHYK	7EA1E	F	051TF	18110037	+	01000		EGBIJ K7EAA	JS	
SUSAP	KTIXK7FR18-Z	R	020POPHYK	7EA2WALPV		ALNAV/VNAV N						JS	
SUSAP	KTIXK7FR18-Z	R	030EGBIJK	7EA0EY	M	031TF	18110029		00080	-300		A	JS
SUSAP	KTIXK7FR18-Z	R	040HETESK	7EA0E	M	010DF						A	JS
SUSAP	KTIXK7FR18-Z	R	050AWINYNK	7EA0EY	010TF		1872	+	03000			A	JS
SUSAP	KTIXK7FR18-Z	R	060AWINYNK	7EA0EE	HL020HM		32670040	+	03000			A	JS

[illegible][illegible]

SUP:	
AMDT:	NONE
DATED:	

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[illegible]

0 18018003025

M

SUP:	
AMDT:	NONE
DATED:	

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	FORNI	FORNI	010	IAP	IF		FB				
	FORNI	CUTON	020		TF		FB	1.0	137.1(132T)	005.5	01600
		CUTON	010	FACF	IF		FB				01600
		FATAD	011	SDF	TF		FB	0.5	181.1(176T)	002.4	01600
		POPHY	020	FAF	TF		FB	0.5	181.1(176T)	003.7	01000
		EGBIJ	030	MAP	TF		FO	0.3	181.1(176T)	002.9	00080

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HETES	040		DF		FB	1.0			
	AWINY	050		TF		FO	1.0	187.2(182T)		03000
	AWINY	060		HM	L	FO	2.0	326.7(322T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AWINY	N281654.04	W0804733.82	N2816.901	W08047.564
	CUTON	N284023.83	W0804828.06	N2840.397	W08048.468
	EGBIJ	N283125.46	W0804746.66	N2831.424	W08047.778
	FATAD	N283800.24	W0804817.00	N2838.004	W08048.283
	FORNI	N284404.44	W0805304.70	N2844.074	W08053.078
	HETES	N282425.32	W0804715.90	N2824.422	W08047.265
	POPHY	N283417.54	W0804759.88	N2834.292	W08047.998
	RW18	N283125.43	W0804748.79	N2831.424	W08047.813

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
	RW18	00030 50

CITY AND STATE
TITUSVILLE, FL

ELEVATION: 34 TDZE: 32
 AIRPORT NAME:
 SPACE COAST REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Z RWY 18, ORIG
 27 AUG 2009

SUP:
 AMDT: NONE
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
GOING (IAF)	GODRD (FB)	013.35 / 20.10	2600	LPV: DA LNAV/VNAV: DA LNAV: RW36L CLIMB TO 2100 DIRECT PNDAR AND VIA TRACK 063.93 TO SNAKI AND HOLD.
SULPA (IAF)	GODRD (FB)	330.24 / 17.00	2600	
SAFES (IAF)	GODRD (FB)	071.52 / 6.69	2600	
GODRD (IF)	TOYBO (FB)	357.26 / 3.02	2600	
TOYBO	HEBOT (FB)	357.26 / 3.08	1700	ADDITIONAL FLIGHT DATA: HOLD E, RT, 262.35 INBOUND. CHART FAS OBST: 111 POLE 300130N/0900148W CHART FAS OBST: 219 T-L TWR 300022N/0900119W CHART 373 T-L TWR 295943N/0900106W. DISTANCE TO THLD FROM 332 HAT: 0.89 NM. CHART VDP AT 1.33 MILES TO RW36L* *LNAV ONLY. WAAS CHANNEL # 86913 REFERENCE PATH ID: W36A

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT GODRD
3. FAC: 357.26 FAF: HEBOT DIST FAF TO MAP: 5.09 THLD: 5.09
4. MIN. ALT: GODRD 2600, TOYBO 2600, HEBOT 1700, FIRMA/2.20 NM TO RW36L 760*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1700 GS ALT AT: HEBOT OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR
8. MSA FROM: RW36L 2100

MAG VAR: 2E EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	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		340	1 1/4	332	340	1 1/4	332	340	1 1/4	332	340	1 1/4	332			
LNAV/VNAV DA		431	1 1/2	423	431	1 1/2	423	431	1 1/2	423	431	1 1/2	423			
LNAV MDA		480	1	472	480	1	472	480	1 1/4	472	480	1 1/2	472			
CIRCLING		520	1	512	520	1	512	520	1 1/2	512	660	2	652			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SULPA VIA A321 SOUTHEAST BOUND.
 SEE 8260-10

QUALITY
2
CHECKED

CITY AND STATE NEW ORLEANS, LA	ELEVATION: 8 TDZE: 8 AIRPORT NAME: LAKEFRONT	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36L, ORIG 27 AUG 2009	SUP: AMDT: NONE DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAFES VIA V198-552 WESTBOUND.*****LNAV ONLY****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUIS ARMSTRONG NEW ORLEANS INTL
ALTIMETER SETTING AND INCREASE ALL DA 29 FEET AND ALL MDA 40 FEET AND INCREASE LNAV CAT C/D AND
CIRCLING CAT D VISIBILITIES 1/4 MILE.****CHART NOTE: VDP AND BARO-VNAV NA WHEN USING LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING.**

QUALITY
2
CHECKED

CITY AND STATE

NEW ORLEANS, LA

ELEVATION: 8

TDZE: 8

AIRPORT NAME:

LAKEFRONT

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36L, ORIG

27 AUG 2009

SUP:

AMDT:

NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KNEW
RUNWAY RW36L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W36A
REFERENCE PATH IDENTIFIER (APPROACH ID) 300210.1645N
LTP/FTP LATITUDE 0900146.8200W
LTP/FTP LONGITUDE -00241
LTP/FTP ELLIPSOIDAL HEIGHT 300339.4700N
FPAP LATITUDE 0900148.1500W
FPAP LONGITUDE 00050.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0904
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

8C9DDCC8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +00022
FPAP ORTHOMETRIC HEIGHT +00022

QUALITY
2
CHECKED

CITY AND STATE

NEW ORLEANS, LA

ELEVATION: 8 TDZE: 8

AIRPORT NAME:

LAKEFRONT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36L, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KNEWK4FR36L	AGOING	010GOINGK4EA0E	A	IF					18000		A	JS
SUSAP	KNEWK4FR36L	AGOING	020GODRDK4EA0EE		010TF		01340201	+	02600			A	JS
SUSAP	KNEWK4FR36L	ASAFES	010SAFESK4EA0E	A	IF					18000		A	JS
SUSAP	KNEWK4FR36L	ASAFES	020GODRDK4EA0EE		010TF		07150067	+	02600			A	JS
SUSAP	KNEWK4FR36L	ASULPA	010SULPAK4EA0E	A	IF					18000		A	JS
SUSAP	KNEWK4FR36L	ASULPA	020GODRDK4EA0EE		010TF		33020170	+	02600			A	JS
SUSAP	KNEWK4FR36L	R	010GODRDK4EA0E	I	IF			+	02600	18000		A	JS
SUSAP	KNEWK4FR36L	R	011TOYBOK4EA0E	S	051TF		35730030	+	02600			A	JS
SUSAP	KNEWK4FR36L	R	020HEBOTK4EA1E	F	051TF		35730031	+	01700		RW36L K4PGA	JS	
SUSAP	KNEWK4FR36L	R	020HEBOTK4EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KNEWK4FR36L	R	021FIRMAK4EA0E	S	031TF		35730029	V	0076000763	-300		A	JS
SUSAP	KNEWK4FR36L	R	030RW36LK4PGOGY	M	031TF		35730022		00057	-300		A	JS
SUSAP	KNEWK4FR36L	R	040PNDARK4EA0E	M	010DF							A	JS
SUSAP	KNEWK4FR36L	R	050SNAKIK4EA0EY		010TF		0639	+	02100			A	JS
SUSAP	KNEWK4FR36L	R	060SNAKIK4EA0EE		RO20HM		26240040	+	02100			A	JS

QUALITY
CHECKED

CITY AND STATE NEW ORLEANS, LA	ELEVATION: 8 AIRPORT NAME: LAKEFRONT	TDZE: 8 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36L, ORIG 27 AUG 2009	SUP: AMDT: NONE DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

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

	SUSAP KNEWK4GRW36L 0068673573 N30021016W090014682+0000 -0024100007082050150R												

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

	SUSAP KNEWK4PR36L RW36L001 0000W36A0N3002101645W09001468200-002410300N3003394700W09001481500106750904000500P4005008C9DDCC8												
	SUSAP KNEWK4PR36L RW36L002E +00022+00022LPV 86913												

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

	SUSAP KNEWK4SRW36LK4PG 0 18018002125 M												

QUALITY
CHECKED

CITY AND STATE
NEW ORLEANS, LA

ELEVATION: 8 TDZE: 8
AIRPORT NAME:
LAKEFRONT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36L, ORIG
27 AUG 2009

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GOING	GOING	010	IAF	IF		FB				
	GOING	GODRD	020		TF		FB	1.0	013.4 (015T)	020.1	02600
	SAFES	SAFES	010	IAF	IF		FB				
	SAFES	GODRD	020		TF		FB	1.0	071.5 (074T)	006.7	02600
	SULPA	SULPA	010	IAF	IF		FB				
	SULPA	GODRD	020		TF		FB	1.0	330.2 (332T)	017.0	02600
		GODRD	010	FACF	IF		FB				02600
		TOYBO	011	SDF	TF		FB	0.5	357.3 (359T)	003.0	02600
		HEBOT	020	FAF	TF		FB	0.5	357.3 (359T)	003.1	01700
		FIRMA	021	SDF	TF		FB	0.3	357.3 (359T)	002.9	0076000763
		RW36L	030	MAP	TF		FO	0.3	357.3 (359T)	002.2	00057

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	PNDAR	040		DF		FB	1.0			
	SNAKI	050		TF		FO	1.0	063.9 (066T)		02100
	SNAKI	060		HM	R	FO	2.0	262.4 (264T)	004.0	02100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FIRMA	N295957.85	W0900144.86	N2959.964	W09001.748
	GODRD	N295057.19	W0900136.85	N2950.953	W09001.614
	GOING	N293131.36	W0900744.11	N2931.523	W09007.735
	HEBOT	N295704.26	W0900142.28	N2957.071	W09001.705
	PNDAR	N300540.65	W0900149.95	N3005.678	W09001.833
	SAFES	N294903.30	W0900859.40	N2949.055	W09008.990
	SNAKI	N300858.52	W0895319.49	N3008.975	W08953.325
	SULPA	N293552.50	W0895230.34	N2935.875	W08952.506
	TOYBO	N295358.82	W0900139.54	N2953.980	W09001.659
	RW36L	N300210.16	W0900146.82	N3002.169	W09001.780

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
RW36L	00007	50

QUALITY
CHECKED

CITY AND STATE
NEW ORLEANS, LA

ELEVATION: 8 TDZE: 8
 AIRPORT NAME:
 LAKEFRONT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 36L, ORIG
 27 AUG 2009

SUP:
 AMDT: NONE
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: HRV 11.22 DME FIX						
HRV VORTAC (IF/IAF) MOCXE/3.00 DME		MOCXE/3.00 DME		350.88 / 3.00				2600		CLIMB TO 2000 VIA HRV R-351 AND RQR R-082 TO SNAKI INT/RQR 36.61 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 262.00 INBOUND. CHART FAS OBST: 219 T-L TWR 300022N/0900119W CHART 433 TOWER 295646N/0900117W. CHART 299 TOWER 295953N/0900150W. IMIAL TO RW36L: 3.22/50.						
		CUDRO/6.00 DME		350.88 / 3.00 (HRV R-351)				1700								
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HRV VORTAC 3. FAC <u>350.88</u> FAF <u>CUDRO/6.00 DME</u> DIST FAF TO MAP <u> </u> THLD <u>5.22</u> 4. MIN. ALT <u>HRV VORTAC 2600, MOCXE 2600, CUDRO 1700, IMIAL/9.40 DME 680*</u> 8. MSA FROM: <u>HRV VORTAC 2100</u>										MAG VAR: 2E		EPOCH YEAR: 1995				
MINIMUMS																
TAKEOFF: <u> </u>		STANDARD ☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: <u>NA</u>		STANDARD @ <u> </u>						
CATEGORY <u>=====</u>		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-36L		480	1	472	480	1	472	480	1 1/4	472	480	1 1/2	472			
CIRCLING		520	1	512	520	1	512	520	1 1/2	512	660	2	652			
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HRV VORTAC VIA V552 SOUTHBOUND AND A321 NORTHWEST BOUND. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. SEE 8260-10																
CITY AND STATE NEW ORLEANS, LA		ELEVATION: 8 TDZE: 8 AIRPORT NAME: LAKEFRONT		FACILITY IDENTIFIER: HRV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 36L, AMDT 9 27 AUG 2009				SUP VOR/DME OR GPS RWY 36L						
										AMDT 8A						
										DATE 01/18/2007						

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR PART 97.23**

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

NOTES CONT.

***720 WHEN USING LOUIS ARMSTRONG NEW ORLEANS INTL ALTIMETER SETTING.**

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LOUIS ARMSTRONG NEW ORLEANS INTL
ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE S-36L CAT C/D AND CIRCLING CAT D
VISIBILITIES 1/4 MILE.**

CITY AND STATE

NEW ORLEANS, LA

ELEVATION: 8

TDZE: 8

AIRPORT NAME:

LAKEFRONT

FACILITY
IDENTIFIER:

HRV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR/DME RWY 36L, AMDT 9

27 AUG 2009

SUP: VOR/DME OR GPS
RWY 36L

AMDT: 8A

DATED: 01/18/2007

QUALITY
2
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:
RWY 15, 33, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 15, TREES BEGINNING 1694' FROM DER, 629' LEFT OF CENTERLINE, UP TO 79' AGL/278' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
5
CHECKED

(5) City, State

BANGOR, ME

(6) Airport

BANGOR INTL

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

2

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
FNT VORTAC	AJDIF (FO)	274.99 / 11.56	2400	LPV: DA LNAV/VNAV: DA LNAV: RW09			
CLIOO	FONKO (FB)	245.50 / 7.40	2400				
POLAR	CIHUB (FB)	288.12 / 12.19	2500	CLIMB TO 3000 DIRECT JUBUG AND VIA TRACK 098.87 TO KATTY AND HOLD.			
FONKO (IAF)	AJDIF (NOPT) (FB)	184.07 / 5.00	2400				
CIHUB (IAF)	AJDIF (NOPT) (FB)	004.07 / 5.00	2400				
AJDIF (IF/IAF)	EHEMI (FB)	094.07 / 6.09	2400	ADDITIONAL FLIGHT DATA: HOLD E, RT, 276.83 INBOUND. CHART FAS OBST: 927 TOWER 425839N/0834548W FAS OBST: 989 AAO 425841N/0835018W CHART 956 TOWER 425837N/0834746W. CHART: ASR. DISTANCE TO THLD FROM 200 HAT: 0.49 NM. CHART VDP AT 1.40 MILES TO RW09* *LNAV ONLY. WAAS CHANNEL # 45714 REFERENCE PATH ID: W09A			

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. HOLD W AJDIF, RT, 094.07 INBOUND, 2400 FT. IN LIEU OF PT (IAF)	
3. FAC: 094.16 FAF: EHEMI	DIST FAF TO MAP: 4.91 THLD: 4.91
4. MIN. ALT: AJDIF 2400, EHEMI 2400	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCPT: 2400 GS ALT AT: EHEMI _____ OM: _____ MM: _____ IM: _____	
7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR	
8. MSA FROM: RW09 3100	

MINIMUMS															
TAKEOFF:	STANDARD	X	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	971	2400	200	971	2400	200	971	2400	200	971	2400	200			
LNAV/VNAV DA	1227	5000	456	1227	5000	456	1227	5000	456	1227	5000	456			
LNAV MDA	1260	2400	489	1260	2400	489	1260	4000	489	1260	5000	489			
CIRCLING	1300	1	518	1300	1	518	1300	1 1/2	518	1340	2	558			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FNT VORTAC VIA AIRWAY RADIALS 234 CW TO 286.
 CHART PLANVIEW NOTE: CAUTION: BRIGHTLY LIGHTED PARKING LOT 4000 FEET EAST OF APPROACH END OF RWY 27 CAN EASILY BE CONFUSED FOR RWY 27.

CITY AND STATE FLINT, MI	ELEVATION: 782 TDZE: 771	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: BISHOP INTL			AMDT: ORIG-A
	DATED 09/25/2008			

QUALITY
9
CHECK

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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QUALITY
9
CHECKED

CITY AND STATE

FLINT, MI

ELEVATION: 782 TDZE: 771

AIRPORT NAME:

BISHOP INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG-A

DATED: 09/25/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 KFNT
RUNWAY RW09
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W09A
LTP/FTP LATITUDE 425808.3105N
LTP/FTP LONGITUDE 0834535.3720W
LTP/FTP ELLIPSOIDAL HEIGHT +01989
FPAP LATITUDE 425811.0300N
FPAP LONGITUDE 0834334.0700W
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 0552
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

AA9A340A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02328
FPAP ORTHOMETRIC HEIGHT +02328

QUALITY
9
CHECKED

CITY AND STATE FLINT, MI	ELEVATION: 782 TDZE: 771 AIRPORT NAME: BISHOP INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG-A
				DATED: 09/25/2008

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

QUALITY
CHECKED

CITY AND STATE FLINT, MI	ELEVATION: 782 TDZE: 771	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1 27 AUG 2009	SUP:	
	AIRPORT NAME: BISHOP INTL			AMDT:	ORIG-A
				DATED:	09/25/2008

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

QUALITY
CHECKED

SUP:	
AMDT:	ORIG-A
DATED:	09/25/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CLIOO	CLIOO	010		IF		FB				
	CLIOO	PONKO	020	IAF	TF		FB	2.0	245.5 (240T)	007.4	02400
	CLIOO	AJDIF	030		TF		FB	1.0	184.1 (178T)	005.0	02400
	FNT	FNT	010		IF		FB				
	FNT	AJDIF	020		TF		FO	2.0	275.0 (269T)	011.6	02400
	FNT	AJDIF	030	IAF	HF	R	FO		094.1 (088T)	004.0	02400
	POLAR	POLAR	010		IF		FB				
	POLAR	CIHUB	020	IAF	TF		FB	2.0	288.1 (282T)	012.2	02500
	POLAR	AJDIF	030		TF		FB	1.0	004.1 (358T)	005.0	02400
		AJDIF	010	FACF	IF		FB				02400
		EHEMI	020	FAF	TF		FB	0.5	094.1 (088T)	006.1	02400
		RW09	030	MAP	TF		FO	0.3	094.2 (088T)	004.9	00814

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JUBUG	040		DF		FB	1.0			
	KATTY	050		TF		FO	1.0	098.9 (093T)		03000
	KATTY	060		HM	R	FO	2.0	276.8 (271T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FNT	N425800.38	W0834449.08	N4258.006	W08344.818
	AJDIF	N425747.05	W0840033.82	N4257.784	W08400.564
	CIHUB	N425247.14	W0840020.08	N4252.786	W08400.335
	CLIOO	N430632.76	W0835205.68	N4306.546	W08352.095
	EHEMI	N425759.06	W0835216.74	N4257.984	W08352.279
	PONKO	N430246.95	W0840047.60	N4302.783	W08400.793
	JUBUG	N425814.09	W0834115.21	N4258.235	W08341.254
	KATTY	N425750.59	W0833050.76	N4257.843	W08330.846
	POLAR	N425014.67	W0834407.58	N4250.245	W08344.126
	RW09	N425808.31	W0834535.37	N4258.139	W08345.590

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW09	00764	50

QUALITY
1
CHECKED

CITY AND STATE FLINT, MI	ELEVATION: 782 TDZE: 771	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: BISHOP INTL			AMDT: ORIG-A
				DATED: 09/25/2008

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 3000 DIRECT HAGEM AND VIA TRACK 182.39 TO POLAR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 342.52 INBOUND. CHART FAS OBST: 935 TOWER 425901N/0834342W CHART FAS OBST: 948 TANK 430038N/0834425W CHART: ASR DISTANCE TO THLD FROM 333 HAT: 0.95 NM. CHART VDP AT 1.24 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 99514 REFERENCE PATH ID: W18A											
KITNS	FIBIN (FB)	283.65 / 18.38	3100												
OWOSO	NUPUE (FB)	056.69 / 13.51	3100												
BIRRS (IAF)	JUBER (NOPT) (FB)	179.31 / 11.18	3100												
FIBIN (IAF)	JUBER (NOPT) (FB)	275.20 / 5.00	3100												
NUPUE (IAF)	JUBER (NOPT) (FB)	095.04 / 5.00	3100												
JUBER (IF/IAF)	CODAG (FB)	185.12 / 6.07	2400												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N JUBER, RT, 185.12 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: 185.12 FAF: CODAG DIST FAF TO MAP: 4.93 THLD: 4.93 4. MIN. ALT: JUBER 3100, CODAG 2400, EVNEW/2.60 NM TO RW18 1640* 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: 2400 GS ALT AT: CODAG OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: 3.00 TCH: 42.0 34:1 IS NOT CLEAR 8. MSA FROM: RW18 3100				MAG VAR: 6W EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF:	STANDARD	X	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	1109	1 1/4	333	1109	1 1/4	333	1109	1 1/4	333	1109	1 1/4	333			
LNAV/VNAV DA	1253	1 3/4	477	1253	1 3/4	477	1253	1 3/4	477	1253	1 3/4	477			
LNAV MDA	1200	1	424	1200	1	424	1200	1 1/4	424	1200	1 1/4	424			
CIRCLING	1300	1	518	1300	1	518	1300	1 1/2	518	1340	2	558			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KITNS VIA V84 EASTBOUND. SEE 8260-10															
CITY AND STATE		ELEVATION: 782 TDZE: 776		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
FLINT, MI		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 18, AMDT 1				AMDT:		ORIG-A			
		BISHOP INTL				27 AUG 2009				DATED		09/25/2008			

QUALITY
 9
 CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OWOSO VIA V450 WESTBOUND.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BIRRS VIA V320 NORTHWEST BOUND.*****LNAV ONLY****CHART PLANVIEW NOTE: CAUTION: BRIGHTLY LIGHTED PARKING LOT 4000 FT EAST OF APPROACH END OF RWY 27 CAN EASILY BE CONFUSED FOR RWY 27.**

QUALITY
9
CHECKED

CITY AND STATE

FLINT, MI

ELEVATION: 782 TDZE: 776

AIRPORT NAME:

BISHOP INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG-A

DATED: 09/25/2008

RNAV (GPS) 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 INFORMATIONDATA FIELDDATA

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

CRC REMAINDER

472B4C59

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY
9
CHECKED

CITY AND STATE

FLINT, MI

ELEVATION: 782 TDZE: 776

AIRPORT NAME:

BISHOP INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG-A

DATED: 09/25/2008

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFNTK5FR18	ABIRRS	010BIRRSK5EA0E	A	IF					18000		A	JS
SUSAP	KFNTK5FR18	ABIRRS	020JUBERK5EA0EE		010TF		17930112	+	03100			A	JS
SUSAP	KFNTK5FR18	AJUBER	010JUBERK5EA0EE	AR	HF		18510040	+	03100	18000		A	JS
SUSAP	KFNTK5FR18	AKITNS	010KITNSK5EA0E		IF					18000		A	JS
SUSAP	KFNTK5FR18	AKITNS	020FIBINK5EA0E	A	020TF		28370184	+	03100			A	JS
SUSAP	KFNTK5FR18	AKITNS	030JUBERK5EA0EE		010TF		27520050	+	03100			A	JS
SUSAP	KFNTK5FR18	AOWOSO	010OWOSOK5EA0E		IF					18000		A	JS
SUSAP	KFNTK5FR18	AOWOSO	020NUPUEK5EA0E	A	020TF		05670135	+	03100			A	JS
SUSAP	KFNTK5FR18	AOWOSO	030JUBERK5EA0EE		010TF		09500050	+	03100			A	JS
SUSAP	KFNTK5FR18	R	010JUBERK5EA0E	I	IF			+	03100	18000		A	JS
SUSAP	KFNTK5FR18	R	020CODAGK5EA1E	F	051TF		18510061	+	02400		RW18	K5PGA	JS
SUSAP	KFNTK5FR18	R	020CODAGK5EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KFNTK5FR18	R	021EVNEWK5EA0E	S	031TF		18510023	V	0164001647		-300	A	JS
SUSAP	KFNTK5FR18	R	030RW18	K5PG0GY	M	031TF	18510026		00807		-300	A	JS
SUSAP	KFNTK5FR18	R	040HAGEMK5EA0E	M	010DF							A	JS
SUSAP	KFNTK5FR18	R	050POLARK5EA0EY		010TF		1824	+	03000			A	JS
SUSAP	KFNTK5FR18	R	060POLARK5EA0EE		R020HM		34250040	+	03000			A	JS

QUALITY
CHECKED

CITY AND STATE FLINT, MI	ELEVATION: 782 TDZE: 776	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: BISHOP INTL			AMDT: ORIG-A
				DATED: 09/25/2008

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

[illegible]

QUALITY
CHECKED

CITY AND STATE FLINT, MI	ELEVATION: 782 TDZE: 776 AIRPORT NAME: BISHOP INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG-A
				DATED: 09/25/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BIRRS	BIRRS	010	IAF	IF		FB				
	BIRRS	JUBER	020		TF		FB	1.0	179.3 (173T)	011.2	03100
	JUBER	JUBER	010	IAF	HF	R	FB		185.1 (179T)	004.0	03100
	KITNS	KITNS	010		IF		FB				
	KITNS	FIBIN	020	IAF	TF		FB	2.0	283.7 (278T)	018.4	03100
	KITNS	JUBER	030		TF		FB	1.0	275.2 (269T)	005.0	03100
	OWOSO	OWOSO	010		IF		FB				
	OWOSO	NUPUE	020	IAF	TF		FB	2.0	056.7 (051T)	013.5	03100
	OWOSO	JUBER	030		TF		FB	1.0	095.0 (089T)	005.0	03100
		JUBER	010	FACF	IF		FB				03100
		CODAG	020	FAF	TF		FB	0.5	185.1 (179T)	006.1	02400
		EVNEW	021	SDF	TF		FB	0.3	185.1 (179T)	002.3	0164001647
		RW18	030	MAP	TF		FO	0.3	185.1 (179T)	002.6	00807

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HAGEM	040		DF		FB	1.0			
	POLAR	050		TF		FO	1.0	182.4 (176T)		03000
	POLAR	060		HM	R	FO	2.0	342.5 (337T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BIRRS	N432026.48	W0834637.11	N4320.441	W08346.619
	CODAG	N430315.99	W0834442.61	N4303.267	W08344.710
	EVNEW	N430055.88	W0834439.68	N4300.931	W08344.661
	FIBIN	N430924.34	W0833800.44	N4309.406	W08338.007
	HAGEM	N425504.31	W0834432.38	N4255.072	W08344.540
	JUBER	N430919.94	W0834450.26	N4309.332	W08344.838
	KITNS	N430700.16	W0831306.92	N4307.003	W08313.115
	NUPUE	N430915.13	W0835140.06	N4309.252	W08351.668
	OWOSO	N430042.44	W0840556.73	N4300.707	W08405.946
	POLAR	N425014.67	W0834407.58	N4250.245	W08344.126
	RW18	N425819.86	W0834436.41	N4258.331	W08344.607

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW18	00765		42

QUALITY
CHECKED

CITY AND STATE FLINT, MI	ELEVATION: 782 TDZE: 776 AIRPORT NAME: BISHOP INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG-A
				DATED: 09/25/2008

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.									
TERMINAL ROUTES												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 3000 DIRECT CEGNA AND VIA TRACK 324.59 TO CLIOO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 334.04 INBOUND. CHART FAS OBST: 919 TREE 425618N/0834448W CHART FAS OBST: 939 SIGN 425457N/0834330W CHART: ASR DISTANCE TO THLD FROM 341 HAT: 0.91 NM. WAAS CHANNEL # 65914 REFERENCE PATH ID: W36A							
KATTY		FISKU (FB)		209.03 / 12.65				2900									
ERRYS		COKIN (FB)		119.52 / 14.27				2700									
FISKU (IAF)		HITMO (NOPT) (FB)		275.20 / 5.00				2700									
COKIN (IAF)		HITMO (NOPT) (FB)		095.04 / 5.00				2700									
HITMO (IF/IAF)		JORDI (FB)		005.12 / 6.10				2400									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S HITMO, RT, 005.12 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: 005.12 FAF: JORDI DIST FAF TO MAP: 4.85 THLD: 4.85 4. MIN. ALT: HITMO 2700, JORDI 2400, DUVIH/2.60 NM TO RW36 1660° 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2400 GS ALT AT: JORDI _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.0 34:1 IS NOT CLEAR 8. MSA FROM: RW36 3100																	
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: NA		STANDARD							
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	1123	1 1/4	341	1123	1 1/4	341	1123	1 1/4	341	1123	1 1/4	341					
LNAV/VNAV DA	1254	1 3/4	472	1254	1 3/4	472	1254	1 3/4	472	1254	1 3/4	472					
LNAV MDA	1260	1	478	1260	1	478	1260	1 1/4	478	1260	1 1/2	478					
CIRCLING	1300	1	518	1300	1	518	1300	1 1/2	518	1340	2	558					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ERRYS VIA V84 WESTBOUND. SEE 8260-10																	
CITY AND STATE				ELEVATION: 782 TDZE: 782				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
FLINT, MI				AIRPORT NAME: BISHOP INTL								RNAV (GPS) RWY 36, AMDT 1 27 AUG 2009				AMDT: ORIG	
																DATED 02/21/2002	

QUALITY
9
CHECKED

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

*LNAV ONLY

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

QUALITY
9
CHECKED

CITY AND STATE

FLINT, MI

ELEVATION: 782

TDZE: 782

AIRPORT NAME:

BISHOP INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1

27 AUG 2009

SUP:

AMDT:

ORIG

DATED:

02/21/2002

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFNT
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	425704.3185N
LTP/FTP LONGITUDE	0834434.8330W
LTP/FTP ELLIPSOIDAL HEIGHT	+02036
FPAP LATITUDE	425833.4300N
FPAP LONGITUDE	0834436.6900W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0360
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

59E59800

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02375
FPAP ORTHOMETRIC HEIGHT	+02375

QUALITY
1
CHECKED

CITY AND STATE
FLINT, MI

ELEVATION: 782 TDZE: 782
AIRPORT NAME:
BISHOP INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 1
27 AUG 2009

SUP:	
AMDT:	ORIG
DATED:	02/21/2002

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFNTK5FR36	AERRYS	010ERRYK5EA0E	IF						18000		A JS	
SUSAP	KFNTK5FR36	AERRYS	020COKINK5EA0E	A 020TF		11950143		+ 02700				A JS	
SUSAP	KFNTK5FR36	AERRYS	030HITMOK5EA0EE	010TF		09500050		+ 02700				A JS	
SUSAP	KFNTK5FR36	AHITMO	010HITMOK5EA0EE	AR HF		00510040		+ 02700		18000		A JS	
SUSAP	KFNTK5FR36	AKATTY	010KATTYK5EA0E	IF						18000		A JS	
SUSAP	KFNTK5FR36	AKATTY	020FISKUK5EA0E	A 020TF		20900127		+ 02900				A JS	
SUSAP	KFNTK5FR36	AKATTY	030HITMOK5EA0EE	010TF		27520050		+ 02700				A JS	
SUSAP	KFNTK5FR36	R	010HITMOK5EA0E	I IF				+ 02700		18000		A JS	
SUSAP	KFNTK5FR36	R	020JORDIK5EA1E	F 051TF		00510061		+ 02400			RW36	K5PGA	JS
SUSAP	KFNTK5FR36	R	020JORDIK5EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KFNTK5FR36	R	021DUVVIHK5EA0E	S 031TF		00510023		V 0166001672		-300		A JS	
SUSAP	KFNTK5FR36	R	030RW36 K5PGOGY	M 031TF		00510026		00833		-300		A JS	
SUSAP	KFNTK5FR36	R	040CEGNAK5EA0E	M 010DP								A JS	
SUSAP	KFNTK5FR36	R	050CLIOOK5EA0EY	010TF		3246		+ 03000				A JS	
SUSAP	KFNTK5FR36	R	060CLIOOK5EA0EE	R020HM		33400040		+ 03000				A JS	

QUALITY
CHECKED

CITY AND STATE FLINT, MI	ELEVATION: 782 TDZE: 782 AIRPORT NAME: BISHOP INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED: 02/21/2002

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SUSAP KFNTK5GRW36 0078480051 N42570432W083443483-0200 +0203600779000054150R

SUSAP KFNTK5PR36	RW36	001	0000W36A0N4257043185W08344348330+020360300N4258334300W08344366900106750360000540F40050059E59800
SUSAP KFNTK5PR36	RW36	002E	+02375+02375LPV 65914

SUSAP KFNTK5SRW36 K5PG 0 18018003125 M

QUALITY
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ERRYS	ERRYS	010		IF		FB				
	ERRYS	COKIN	020	IAF	TF		FB	2.0	119.5 (114T)	014.3	02700
	ERRYS	HITMO	030		TF		FB	1.0	095.0 (089T)	005.0	02700
	HITMO	HITMO	010	IAF	HF	R	FB		005.1 (359T)	004.0	02700
	KATTY	KATTY	010		IF		FB				
	KATTY	FISKU	020	IAF	TF		FB	2.0	209.0 (203T)	012.7	02900
	KATTY	HITMO	030		TF		FB	1.0	275.2 (269T)	005.0	02700
		HITMO	010	FACF	IF		FB				02700
		JORDI	020	PAF	TF		FB	0.5	005.1 (359T)	006.1	02400
		DUVIH	021	SDF	TF		FB	0.3	005.1 (359T)	002.3	0166001672
		RW36	030	MAP	TF		FO	0.3	005.1 (359T)	002.6	00833

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CEGNA	040		DF		FB	1.0			
	CLIOO	050		TF		FO	1.0	324.6 (319T)		03000
	CLIOO	060		HM	R	FO	2.0	334.0 (328T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CEGNA	N430021.85	W0834438.95	N4300.364	W08344.649
	CLIOO	N430632.76	W0835205.68	N4306.546	W08352.095
	COKIN	N424602.41	W0835108.37	N4246.040	W08351.140
	DUVIH	N425428.30	W0834431.57	N4254.472	W08344.526
	ERRYS	N425145.64	W0840854.51	N4251.761	W08408.909
	FISKU	N424611.63	W0833733.87	N4246.194	W08337.565
	HITMO	N424607.22	W0834421.13	N4246.120	W08344.352
	JORDI	N425212.99	W0834428.75	N4252.217	W08344.479
	KATTY	N425750.59	W0833050.76	N4257.843	W08330.846
	RW36	N425704.32	W0834434.83	N4257.072	W08344.581

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION
	RW36	00779

QUALITY
1
CHECKED

CITY AND STATE
FLINT, MI

ELEVATION: 782 TDZE: 782
 AIRPORT NAME:
 BISHOP INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 36, AMDT 1
 27 AUG 2009

SUP:
 AMDT: ORIG
 DATED: 02/21/2002

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

1. PT <u>L</u> SIDE OF COURSE <u>213.63</u> OUTBOUND <u>2200</u> FT WITHIN <u>10</u> MILES OF <u>TRIBE LOM</u> (IAF)		
2. _____		
3. FAC <u>033.63</u> FAF <u>TRIBE LOM</u> DIST FAF TO MAP <u>4.30</u> THLD <u>4.30</u>		
4. MIN. ALT <u>TRIBE LOM 2200</u>		
8. MSA FROM: <u>TN LOM 2400</u>	MAG VAR: <u>3W</u>	EPOCH YEAR: <u>1990</u>

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STURGEON BAY ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE S-3 CAT C/D AND CIRCLING CAT C VISIBILITY 1/4 MILE.

QUALITY
2
CHECKED

QUALITY
2
CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
TERMINAL ROUTES												MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW03 CLIMB TO 2300 DIRECT UCINI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 213.98 INBOUND. CHART FAS OBST: 734 TREE 450714N/0873927W DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 1.06 MILES TO RW03* *LNAV ONLY. WAAS CHANNEL # 73014 REFERENCE PATH ID: W03A CHART LARSON (PVT) AIRPORT SUBDUED.							
SEGO (IAF)		OMUPE (NOPT) (FB)		123.73 / 5.00				2200									
KAPCE (IAF)		OMUPE (NOPT) (FB)		303.87 / 5.00				2200									
OMUPE (IF/IAF)		LEYID (FB)		033.80 / 6.02				2200									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW OMUPE, RT, 033.80 INBOUND, 2200 FT. IN LIEU OF PT (IAF) 3. FAC: 033.85 FAF: LEYID _____ DIST FAF TO MAP: 4.76 THLD: 4.76 4. MIN. ALT: OMUPE 2200, LEYID 2200, TACUC/2.20 NM TO RW03 1360* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2200 GS ALT AT: LEYID _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 49.4 34:1 IS CLEAR 8. MSA FROM: _____												MAG VAR: 3W EPOCH YEAR: 1990					
MINIMUMS																	
TAKEOFF:		STANDARD		X		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	824	1/2	200	824	1/2	200	824	1/2	200	824	1/2	200					
LNAV/VNAV DA	1150	1 1/2	526	1150	1 1/2	526	1150	1 1/2	526	1150	1 1/2	526					
LNAV MDA	1000	1/2	376	1000	1/2	376	1000	1/2	376	1000	1	376					
CIRCLING		1200	1	575	1200	1	575	1200	1 1/2	575	1200	2	575				
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO 1 1/4. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY SEE 8260-10																	
CITY AND STATE				ELEVATION: 625 TDZE: 624				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
MENOMINEE, MI				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 3, ORIG				AMDT: NONE	
				MENOMINEE-MARINETTE TWIN COUNTY								27 AUG 2009				DATED	

QUALITY
 2
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STURGEON BAY ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING STURGEON BAY ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING STURGEON BAY ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 MILE.

TAA

	FROM	TO	ALT
1.	304/30 CW 124/30 (NOPT)	304/8 CW 124/8	2900
2.	304/8 CW 124/8	OMUPE (IF/IAF) (FB)	2200
3.	124/30 CW 214/30	SEGOE (IAF) (FB)	2900
4.	214/30 CW 304/30	KAPCE (IAF) (FB)	2400

QUALITY
2
CHECKED

CITY AND STATE

MENOMINEE, MI

ELEVATION: 625 TDZE: 624

AIRPORT NAME:

MENOMINEE-MARINETTE TWIN COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 3, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE
SBAS SERVICE PROVIDER IDENTIFIER
AIRPORT IDENTIFIER
RUNWAY
APPROACH PERFORMANCE DESIGNATOR
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR
REFERENCE PATH IDENTIFIER (APPROACH ID)
LTP/FTP LATITUDE
LTP/FTP LONGITUDE
LTP/FTP ELLIPSOIDAL HEIGHT
FPAP LATITUDE
FPAP LONGITUDE
THRESHOLD CROSSING HEIGHT (TCH)
TCH UNITS SELECTOR (METERS OR FEET USED)
GLIDEPATH ANGLE (GPA)
COURSE WIDTH AT THRESHOLD
LENGTH OFFSET
HORIZONTAL ALERT LIMIT (HAL)
VERTICAL ALERT LIMIT (VAL)

0
0
KMMN
RW03
0
0
W03A
450723.5800N
0873839.9100W
+01503
450814.4100N
0873756.9500W
00049.4
F
03.00
108.50
0000
40.0
35.0

CRC REMAINDER

2BD52AE6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K5
+01872
+01872

QUALITY
2
CHECKED

CITY AND STATE

MENOMINEE, MI

ELEVATION: 625

TDZE: 624

AIRPORT NAME:

MENOMINEE-MARINETTE TWIN COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 3, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMNMK5FR03	AKAPCE	010KAPCEK5EA0E	A	IF						18000		A	JS
SUSAP KMNMK5FR03	AKAPCE	0200MUPEK5EA0EE		010TF		30390050		+ 02200				A	JS
SUSAP KMNMK5FR03	AOMUPE	0100MUPEK5EA0EE	AR	HF		03380040		+ 02200		18000		A	JS
SUSAP KMNMK5FR03	ASEGOC	010SEGOCK5EA0E	A	IF						18000		A	JS
SUSAP KMNMK5FR03	ASEGOC	0200MUPEK5EA0EE		010TF		12370050		+ 02200				A	JS
SUSAP KMNMK5FR03	R	0100MUPEK5EA0E	I	IF				+ 02200		18000		A	JS
SUSAP KMNMK5FR03	R	020LEYIDK5EA1E	F	051TF		03380060		+ 02200				A	JS
SUSAP KMNMK5FR03	R	020LEYIDK5EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KMNMK5FR03	R	021TACUCK5EA0E	S	031TF		03390026		V 0136001369		-300		A	JS
SUSAP KMNMK5FR03	R	030RW03 K5PGOGY	M	031TF		03390022		00664		-300		A	JS
SUSAP KMNMK5FR03	R	040UCINIK5EA0EYM		010DF				+ 02300				A	JS
SUSAP KMNMK5FR03	R	050UCINIK5EA0EE		R020HM		21400040		+ 02300				A	JS

QUALITY
CHECKED

CITY AND STATE MENOMINEE, MI	ELEVATION: 625 TDZE: 624 AIRPORT NAME: MENOMINEE-MARINETTE TWIN COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

RNAV (GPS) 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.

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

SUSAP KMMK5PR03	RW03	001	0000W03A0N4507235800W08738399100+015030300N4508144100W08737569500106500000000494F4003502BD52AE6										
SUSAP KMMK5PR03	RW03	002E	+01872+01872LPV	73014									

QUALITY
CHECKED

CITY AND STATE

MENOMINEE, MI

ELEVATION: 625 TDZE: 624

AIRPORT NAME:

MENOMINEE-MARINETTE TWIN COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 3, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KAPCE	KAPCE	010	IAF	IF		FB				
	KAPCE	OMUPE	020		TF		FB	1.0	303.9(301T)	005.0	02200
	OMUPE	OMUPE	010	IAF	HF	R	FO		033.8(031T)	004.0	02200
	SEGOE	SEGOE	010	IAF	IF		FB				
	SEGOE	OMUPE	020		TF		FB	1.0	123.7(121T)	005.0	02200
		OMUPE	010	FACF	IF		FB				02200
		LEYID	020	PAF	TF		FB	0.5	033.8(031T)	006.0	02200
		TACUC	021	SDF	TF		FB	0.3	033.9(031T)	002.6	0136001369
		RW03	030	MAP	TF		FO	0.3	033.9(031T)	002.2	00664

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	UCINI	040		DF		FO	1.0			02300
	UCINI	050		HM	R	FO	2.0	214.0(211T)	004.0	02300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	KAPCE	N445534.57	W0874024.93	N4455.576	W08740.416
	LEYID	N450318.39	W0874206.82	N4503.307	W08742.114
	OMUPE	N445808.33	W0874627.63	N4458.139	W08746.461
	SEGOE	N450041.77	W0875230.87	N4500.696	W08752.515
	TACUC	N450530.31	W0874015.57	N4505.505	W08740.260
	UCINI	N451729.15	W0873006.55	N4517.486	W08730.109
	RW03	N450723.58	W0873839.91	N4507.393	W08738.665

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW03	00614	49

QUALITY
1
CHECKED

CITY AND STATE
MENOMINEE, MI

ELEVATION: 625 TDZE: 624
 AIRPORT NAME:
 MENOMINEE-MARINETTE TWIN COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 3, ORIG
 27 AUG 2009

SUP:
 AMDT: NONE
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
HUKRU (IAF)	UCINI (NOPT) (FB)	123.91 / 5.00	2300	LNAV: RW21 CLIMB TO 2200 DIRECT OMUPE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 033.80 INBOUND. CHART FAS OBST: 759 TREE 450843N/0873813W CHART VDP AT 1.12 MILES TO RW21. TOYOD TO RW21: 3.04/42. CHART LARSON (PVT) AIRPORT SUBDUED.			
NOGCI (IAF)	UCINI (NOPT) (FB)	304.05 / 5.00	2300				
UCINI (IF/IAF)	TOYOD (FB)	213.98 / 6.02	2200				
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE UCINI, RT, 213.98 INBOUND, 2300 FT. IN LIEU OF PT (IAF) 3. FAC: 213.93 FAF: TOYOD DIST FAF TO MAP: 4.76 THLD: 4.76 4. MIN. ALT: UCINI 2300, TOYOD 2200, WUDOP/2.50 NM TO RW21 1460 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS CLEAR 8. MSA FROM: _____				MAG VAR: 3W EPOCH YEAR: 1990			
MINIMUMS							
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @		
CATEGORY =====>	A		B		C		E
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA
LNAV MDA	1020	1	395	1020	1	395	1020
CIRCLING	1200	1	575	1200	1	575	1200
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STURGEON BAY ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LNAV CAT C/D AND CIRCLING CAT C VISIBILITY 1/4 MILE. CHART NOTE: VDP NA WHEN USING STURGEON BAY ALTIMETER SETTING.							
CITY AND STATE		ELEVATION: 625 TDZE: 625		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:	
MENOMINEE, MI		AIRPORT NAME:		RNAV (GPS) RWY 21, ORIG		AMDT: NONE	
		MENOMINEE-MARINETTE TWIN COUNTY		27 AUG 2009		DATED	

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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TAA

	FROM	TO	ALT
1.	124/30 CW 304/30 (NOPT)	124/10 CW 304/10	2600
2.	124/10 CW 304/10	UCINI (IF/IAF) (FB)	2300
3.	304/30 CW 034/30	NOGCI (IAF) (FB)	2400
4.	034/30 CW 124/30	HUKRU (IAF) (FB)	2900

QUALITY
2
CHECKED

CITY AND STATE

MENOMINEE, MI

ELEVATION: 625

TDZE: 625

AIRPORT NAME:

MENOMINEE-MARINETTE TWIN COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMNMK5FR21	AHUKRU	010HUKRUK5EA0E	A	IF						18000		B	JS
SUSAP KMNMK5FR21	AHUKRU	020UCINIK5EA0EE		010TF		12390050		+ 02300				B	JS
SUSAP KMNMK5FR21	ANOGCI	010NOGCIK5EA0E	A	IF						18000		B	JS
SUSAP KMNMK5FR21	ANOGCI	020UCINIK5EA0EE		010TF		30410050		+ 02300				B	JS
SUSAP KMNMK5FR21	AUCINI	010UCINIK5EA0EE	AR	HF		21400040		+ 02300		18000		B	JS
SUSAP KMNMK5FR21	R	010UCINIK5EA0E	I	IF				+ 02300		18000		B	JS
SUSAP KMNMK5FR21	R	020TOYODK5EA1E	F	051TF		21400060		+ 02200				B	JS
SUSAP KMNMK5FR21	R	020TOYODK5EA2WN			N	ALNAV							JS
SUSAP KMNMK5FR21	R	021WUDOPK5EA0E	S	031TF		21390023		V 0146001477		-304		B	JS
SUSAP KMNMK5FR21	R	030RW21 K5PGOGY	M	031TF		21390025		00664		-304		B	JS
SUSAP KMNMK5FR21	R	0400MUPEK5EA0EYM		010DF				+ 02200				B	JS
SUSAP KMNMK5FR21	R	0500MUPEK5EA0EE		R020HM		03380040		+ 02200				B	JS

QUALITY
CHECKED

PAGE 3 OF 4 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HUKRU	HUKRU	010	IAF	IF		FB				
	HUKRU	UCINI	020		TF		FB	1.0	123.9 (121T)	005.0	02300
	NOGCI	NOGCI	010	IAF	IF		FB				
	NOGCI	UCINI	020		TF		FB	1.0	304.1 (301T)	005.0	02300
	UCINI	UCINI	010	IAF	HF	R	FO		214.0 (211T)	004.0	02300
		UCINI	010	FACF	IF		FB				02300
		TOYOD	020	FAF	TF		FB	0.5	214.0 (211T)	006.0	02200
		WUDOP	021	SDF	TF		FB	0.3	213.9 (211T)	002.3	0146001477
		RW21	030	MAP	TF		FO	0.3	213.9 (211T)	002.5	00664

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	OMUPE	040		DF		FO	1.0			02200
	OMUPE	050		HM	R	FO	2.0	033.8 (031T)	004.0	02200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HUKRU	N452003.39	W0873611.16	N4520.057	W08736.186
	NOGCI	N451454.59	W0872402.49	N4514.910	W08724.042
	OMUPE	N445808.33	W0874627.63	N4458.139	W08746.461
	TOYOD	N451219.45	W0873429.54	N4512.324	W08734.492
	UCINI	N451729.15	W0873006.55	N4517.486	W08730.109
	WUDOP	N451023.10	W0873608.09	N4510.385	W08736.135
	RW21	N450814.41	W0873756.95	N4508.240	W08737.949

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	00622	42

QUALITY
CHECKED

CITY AND STATE

MENOMINEE, MI

ELEVATION: 625

TDZE: 625

AIRPORT NAME:

MENOMINEE-MARINETTE TWIN COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 3, 14, 21, 32, STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, TREES AND BUSH BEGINNING 196' FROM DER, 340' LEFT OF CENTERLINE, UP TO 100' AGL/719' MSL. MULTIPLE TREES BEGINNING 1568' FROM DER, 702' RIGHT OF CENTERLINE, UP TO 100' AGL/759' MSL.

NOTE: RWY 14, MULTIPLE TREES, POLES, AND BUILDING BEGINNING 451' FROM DER, 85' LEFT OF CENTERLINE, UP TO 135' AGL/ 735' MSL. MULTIPLE TREES AND POLE BEGINNING 651' FROM DER, 171' RIGHT OF CENTERLINE, UP TO 100' AGL/704' MSL.

NOTE: RWY 21, MULTIPLE TREES BEGINNING 932' FROM DER, 469' LEFT OF CENTERLINE, UP TO 77' AGL/677' MSL. MULTIPLE TREES BEGINNING 1808' FROM DER, 701' RIGHT OF CENTERLINE, UP TO 65' AGL/685' MSL. (CONT.)

(4) CONTROLLING OBSTACLES:

QUALITY
2
CHECKED

(5) City, State

MENOMINEE, MI

(6) Airport

MENOMINEE-MARINETTE TWIN COUNTY

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

3

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A)
FLIGHT STANDARDS SERVICE

Bearings, headings, courses, and radials are magnetic. Elevations 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 unless otherwise indicated, except visibilities which are in
statute miles or in feet RVR.

(3) TAKEOFF OBSTACLE NOTES: (CONT.)

NOTE: RWY 32, MULTIPLE TREES BEGINNING 64' FROM DER, 71' LEFT OF CENTERLINE, UP TO 100' AGL/739' MSL. MULTIPLE TREES BEGINNING 875' FROM DER, 15' RIGHT OF CENTERLINE, UP TO 100' AGL/759' MSL.

QUALITY
2
CHECKED

City, State MENOMINEE, MI		Airport MENOMINEE-MARINETTE TWIN COUNTY			Effective Date 27 AUG 2009	Amdt. No. 3
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date	

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

ADDITIONAL FLIGHT DATA:
HOLD N, RT, 174.00 INBOUND.
CHART FAS OBST: 769 TREES 450924N/0873812W
CHART MNM R-290 AT LOPJA.
CHART MNM R-036 AT LOGIF.
FAC CROSSES MIDPOINT OF RWY 3/21.
CHART LARSON (PVT) AIRPORT SUBDUED.

MAG VAR: 0E EPOCH YEAR: 1965

MINIMUMS

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
2
CHECKED

SUP	VOR OR GPS-A
AMDT	2A
DATE	05/12/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME RNAV STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.23					Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																										
TERMINAL ROUTES					MISSED APPROACH																																																																																										
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ADDITIONAL FLIGHT DATA:																																																																																											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)					MAG VAR: _____ EPOCH YEAR: _____																																																																																										
2. _____																																																																																															
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																																																																																															
4. MIN. ALT _____																																																																																															
8. MSA FROM: _____																																																																																															
<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <tr> <td>TAKEOFF: _____</td> <td>STANDARD _____</td> <td colspan="4">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="2">ALTERNATE: N A _____</td> <td colspan="2"></td> </tr> <tr> <td>CATEGORY =====></td> <td colspan="2">A</td> <td colspan="2">B</td> <td colspan="2">C</td> <td colspan="2">D</td> <td colspan="2">E</td> </tr> <tr> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>										TAKEOFF: _____	STANDARD _____	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																																																				
TAKEOFF: _____	STANDARD _____	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																																																																																			
NOTES: PROCEDURE CANCELED EFFECTIVE <u>27 AUG 2009</u>																																																																																															
CITY AND STATE MENOMINEE, MI		ELEVATION: 625 TDZE: 625 AIRPORT NAME: MENOMINEE-MARINETTE TWIN COUNTY		FACILITY IDENTIFIER: MNM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RNAV OR GPS RWY 21, AMDT 1B, 04/29/2002		SUP AMDT 1A DATE 09/30/1993																																																																																							

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
SILLA (IAF)	JAXIL (NOPT) (FB)	185.77 / 5.00	2800	LNAV: RW09 CLIMB TO 2800 DIRECT GRUNI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 276.15 INBOUND. CHART FAS OBST: 1005 TOWER 433643N/0844750W CHART 1149 TOWER 433734N/0845016W. COPTI TO RW09: 3.05/40
SSIMS (IAF)	JAXIL (NOPT) (FB)	005.77 / 5.00	2800	
JAXIL (IF/IAF)	COPTI (FB)	095.77 / 6.10	2600	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD W JAXIL, RT, 095.77 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
- FAC: 095.87 FAF: COPTI DIST FAF TO MAP: 5.58 THLD: 5.58
- MIN. ALT: JAXIL 2800, COPTI 2600, AWAYO/2.40 NM TO RW09 1540
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 5W EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	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		1320	1	565	1320	1	565	1320	1 1/2	565	1320	1 3/4	565			
CIRCLING		1320	1	565	1320	1	565	1320	1 1/2	565	1360	2	605			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE ALMA ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LNAV CAT C/D AND CIRCLING CAT C VISIBILITY 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
2
CHECKED

CITY AND STATE MOUNT PLEASANT, MI	ELEVATION: 755 TDZE: 755 AIRPORT NAME: MOUNT PLEASANT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 27 AUG 2009	SUP: AMDT: NONE DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	006/30 CW 115/30 (NOPT)	JAXIL (IF/IAF) (FB)	2800
	115/7 CW 186/7	JAXIL (IF/IAF) (FB)	2800
2.	115/30 CW 186/30 (NOPT)	115/7 CW 186/7	3100
3.	186/30 CW 276/30	SILLA (IAF) (FB)	2900
4.	276/30 CW 006/30	SSIMS (IAF) (FB)	2800

QUALITY
2
CHECKED

CITY AND STATE

MOUNT PLEASANT, MI

ELEVATION: 755 TDZE: 755

AIRPORT NAME:

MOUNT PLEASANT MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

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

QUALITY
CHECKED

CITY AND STATE MOUNT PLEASANT, MI	ELEVATION: 755 TDZE: 755 AIRPORT NAME: MOUNT PLEASANT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	JAXIL	JAXIL	010	IAF	HF	R	FB		095.8(091T)	004.0	02800
	SILLA	SILLA	010	IAF	IF		FB				
	SILLA	JAXIL	020		TF		FB	1.0	185.8(181T)	005.0	02800
	SSIMS	SSIMS	010	IAF	IF		FB				
	SSIMS	JAXIL	020		TF		FB	1.0	005.8(001T)	005.0	02800
		JAXIL	010	FACF	IF		FB				02800
		COPTI	020	FAF	TF		FB	0.5	095.8(091T)	006.1	02600
		AWAVO	021	SDF	TF		FB	0.3	095.9(091T)	003.2	0154001577
		RW09	030	MAP	TF		FO	0.3	095.9(091T)	002.4	00794

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	GRUNI	040		DF		FO	1.0			02800
	GRUNI	050		HM	R	FO	2.0	276.2(271T)	004.0	02800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AWAVO	N433719.91	W0844757.74	N4337.332	W08447.962
	COPTI	N433722.90	W0845220.68	N4337.382	W08452.345
	GRUNI	N433704.06	W0842750.90	N4337.068	W08427.848
	JAXIL	N433728.15	W0850044.23	N4337.469	W08500.737
	SILLA	N434228.16	W0850038.67	N4342.469	W08500.645
	SSIMS	N433228.13	W0850049.77	N4332.469	W08500.830
	RW09	N433717.54	W0844439.52	N4337.292	W08444.659

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00754	40

QUALITY
CHECKED

CITY AND STATE
MOUNT PLEASANT, MI

ELEVATION: 755 TDZE: 755
AIRPORT NAME:
MOUNT PLEASANT MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 9, ORIG
27 AUG 2009

SUP:
AMDT: NONE
DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 3000 DIRECT COPTI AND VIA 186.06 TRACK DIRECT INDAF AND VIA 131.86 TRACK TO ELMME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 079.47 INBOUND. CHART FAS OBST: 845 TREE 433716N/0844227W CHART FAS OBST: 902 TOWER 433634N/0843900W DISTANCE TO THLD FROM 346 HAT: 0.98 NM. CHART VDP AT 1.17 MILES TO RW27* *LNAV ONLY. WAAS CHANNEL # 82613 REFERENCE PATH ID: W27A											
ANUZA (IAF)	GRUNI (NOPT) (FB)	186.15 / 5.00	2800												
FISOD (IAF)	GRUNI (NOPT) (FB)	006.15 / 5.00	2800												
GRUNI (IF/IAF)	DIZNO (FB)	276.15 / 6.09	2500												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E GRUNI, RT, 276.15 INBOUND, 2800 FT. IN LIEU OF PT (IAF) 3. FAC: <u>276.05</u> FAF: <u>DIZNO</u> DIST FAF TO MAP: <u>5.30</u> THLD: <u>5.30</u> 4. MIN. ALT: <u>GRUNI 2800, DIZNO 2500</u> 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>2500</u> GS ALT AT: <u>DIZNO</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>36.5</u> 34:1 IS CLEAR 8. MSA FROM: <u> </u>				MAG VAR: <u>5W</u> EPOCH YEAR: <u>1995</u>											
MINIMUMS															
TAKEOFF: <u> </u> STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: <u>N A</u>				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	1099	1 1/4	346	1099	1 1/4	346	1099	1 1/4	346	1099	1 1/4	346			
LNAV/VNAV DA	1201	1 1/2	448	1201	1 1/2	448	1201	1 1/2	448	1201	1 1/2	448			
LNAV MDA	1160	1	407	1160	1	407	1160	1 1/4	407	1160	1 1/4	407			
CIRCLING	1220	1	465	1220	1	465	1320	1 1/2	565	1360	2	605			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALMA ALTIMETER SETTING AND INCREASE ALL DA 42 FEET AND ALL MDA 60 FEET, INCREASE LPV, LNAV/VNAV ALL CATS, LNAV CAT D AND CIRCLING CAT C SEE 8260-10															
CITY AND STATE		ELEVATION: 755 TDZE: 753		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
MOUNT PLEASANT, MI		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 27, ORIG				AMDT: NONE					
		MOUNT PLEASANT MUNI				27 AUG 2009				DATED					

QUALITY
 2
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

VISIBILITIES 1/4 MILE.

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

TAA

	FROM	TO	ALT
1.	186/30 CW 006/30 (NOPT)	186/17 CW 006/17	2900
2.	186/17 CW 006/17	GRUNI (IF/IAF) (FB)	2800
3.	006/30 CW 096/30	FISOD (IAF) (FB)	2800
4.	096/30 CW 186/30	ANUZA (IAF) (FB)	2900

QUALITY
2
CHECKED

CITY AND STATE

MOUNT PLEASANT, MI

ELEVATION: 755

TDZE: 753

AIRPORT NAME:

MOUNT PLEASANT MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, ORIG

27 AUG 2009

SUP:

AMDT:

NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMOP
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	433716.7105N
LTP/FTP LONGITUDE	0844331.5535W
LTP/FTP ELLIPSOIDAL HEIGHT	+01951
FPAP LATITUDE	433718.2000N
FPAP LONGITUDE	0844534.2000W
THRESHOLD CROSSING HEIGHT (TCH)	00036.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

85944DC5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02284
FPAP ORTHOMETRIC HEIGHT	+02284

QUALITY
2
CHECKED

CITY AND STATE

MOUNT PLEASANT, MI

ELEVATION: 755 TDZE: 753

AIRPORT NAME:

MOUNT PLEASANT MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMOPK5FR27	AANUZA	010ANUZAK5EA0E	A	IF					18000		A	JS
SUSAP	KMOPK5FR27	AANUZA	020GRUNIK5EA0EE		010TF		18620050	+	02800			A	JS
SUSAP	KMOPK5FR27	AFISOD	010FISODK5EA0E	A	IF					18000		A	JS
SUSAP	KMOPK5FR27	AFISOD	020GRUNIK5EA0EE		010TF		00620050	+	02800			A	JS
SUSAP	KMOPK5FR27	AGRUNI	010GRUNIK5EA0EE	AR	HF		27620040	+	02800	18000		A	JS
SUSAP	KMOPK5FR27	R	010GRUNIK5EA0E	I	IF			+	02800	18000		A	JS
SUSAP	KMOPK5FR27	R	020DIZNOK5EA1E	F	051TF		27620061	+	02500			A	JS
SUSAP	KMOPK5FR27	R	020DIZNOK5EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KMOPK5FR27	R	030RW27 K5PG0GY	M	031TF		27610053		00786	-300		A	JS
SUSAP	KMOPK5FR27	R	040COPTIK5EA0E	M	010DF							A	JS
SUSAP	KMOPK5FR27	R	050INDAFK5EA0E		010TF		1861					A	JS
SUSAP	KMOPK5FR27	R	060ELMMEK5EA0EY		010TF		1319	+	03000			A	JS
SUSAP	KMOPK5FR27	R	070ELMMEK5EA0EE	L020HM			07950040	+	03000			A	JS

[illegible]

QUALITY
CHECKED

CITY AND STATE MOUNT PLEASANT, MI	ELEVATION: 755 TDZE: 753 AIRPORT NAME: MOUNT PLEASANT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

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

[illegible]

QUALITY
CHECKED

CITY AND STATE MOUNT PLEASANT, MI	ELEVATION: 755 TDZE: 753 AIRPORT NAME: MOUNT PLEASANT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ANUZA	ANUZA	010	IAF	IF		FB				
	ANUZA	GRUNI	020		TF		FB	1.0	186.2 (181T)	005.0	02800
	FISOD	FISOD	010	IAF	IF		FB				
	FISOD	GRUNI	020		TF		FB	1.0	006.2 (001T)	005.0	02800
	GRUNI	GRUNI	010	IAF	HF	R	FB		276.2 (271T)	004.0	02800
		GRUNI	010	FACF	IF		FB				02800
		DIZNO	020	FAF	TF		FB	0.5	276.2 (271T)	006.1	02500
		RW27	030	MAP	TF		FO	0.3	276.1 (271T)	005.3	00786

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	COPTI	040		DF		FB	1.0			
	INDAF	050		TF		FB	1.0	186.1 (181T)		
	ELMME	060		TF		FO	1.0	131.9 (127T)		03000
	ELMME	070		HM	L	FO	2.0	079.5 (075T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANUZA	N434204.04	W0842742.60	N4342.067	W08427.710
	COPTI	N433722.90	W0845220.68	N4337.382	W08452.345
	DIZNO	N433711.09	W0843613.50	N4337.185	W08436.225
	ELMME	N432456.30	W0844341.22	N4324.938	W08443.687
	FISOD	N433204.08	W0842759.18	N4332.068	W08427.986
	GRUNI	N433704.06	W0842750.90	N4337.068	W08427.848
	INDAF	N432946.91	W0845232.27	N4329.782	W08452.538
	RW27	N433716.71	W0844331.55	N4337.279	W08443.526

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	00750	37

QUALITY
1
CHECKED

CITY AND STATE
MOUNT PLEASANT, MI

ELEVATION: 755 TDZE: 753
 AIRPORT NAME:
 MOUNT PLEASANT MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 27, ORIG
 27 AUG 2009

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 5, 23 NA - ENVIRONMENTAL.

RWY 9, 27 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, TREES BEGINNING 420' FROM DER, 512' RIGHT OF CENTERLINE, UP TO 86' AGL/845' MSL. TREES BEGINNING 420' FROM DER, 266' LEFT OF CENTERLINE, UP TO 23' AGL/836' MSL.

NOTE: RWY 27, TREES BEGINNING 1115' FROM DER, 39' RIGHT OF CENTERLINE, UP TO 99' AGL/858' MSL. TREES BEGINNING 1025' FROM DER, 3' LEFT OF CENTERLINE, UP TO 108' AGL/867' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
2
CHECKED

(5) City, State MOUNT PLEASANT, MI	(6) Airport MOUNT PLEASANT MUNI	(7) Effective Date 27 AUG 2009	(8) Amdt. No. 5

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: MOP VOR/DME						
										CLIMB TO 2400 THEN RIGHT TURN DIRECT MOP VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 284.00 INBOUND. FAS OBST: 949 AAO 433532N/0843936W CHART VDP AT 2.01 DME; DISTANCE VDP TO THLD 1.49 MILES. CHART: MAX 6000 AT MOP VOR/DME. CHART TDZ ELEVATION 753 FAC CROSSES RWY C/L EXTENDED 397 FROM THLD.						
1. PT <u>L</u> SIDE OF COURSE <u>104.00</u> OUTBOUND <u>2400</u> FT WITHIN <u>10</u> MILES OF <u>MOP VOR/DME</u> (IAF) 2. _____ 3. FAC <u>284.00</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: <u>MOP VOR/DME 3100</u>										MAG VAR: 5W		EPOCH YEAR: 1995				
MINIMUMS																
TAKEOFF:		STANDARD		☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA		STANDARD @				
CATEGORY =====>		A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-27	1260	1	507	1260	1	507	1260	1 1/2	507	1260	1 1/2	507				
CIRCLING	1260	1	505	1260	1	505	1320	1 1/2	565	1360	2	605				
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALMA ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, S-27 CAT D AND CIRCLING CAT C VISIBILITIES 1/4 MILE. CHART NOTE: VDP NA WHEN USING ALMA ALTIMETER SETTING.																
CITY AND STATE MOUNT PLEASANT, MI				ELEVATION: 755 TDZE: 753 AIRPORT NAME: MOUNT PLEASANT MUNI		FACILITY IDENTIFIER: MOP		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 27, AMDT 1 27 AUG 2009				SUP VOR OR GPS RWY 27				
												AMDT ORIG-A				
												DATE 10/31/2003				

QUALITY
 2
 CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: STC 0.53 DME FIX											
SIYON/AXN VOR/DME 41.60 DME (IF/IAF)	OSACA/STC VOR/DME 5.84 DME	132.99 / 8.67	2800	CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 5000 DIRECT STC VOR/DME AND VIA STC VOR/DME R-312 TO SIYON/AXN VOR/DME 41.60 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DWN VORTAC AND HOLD E, RT, 277.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD W, RT, 102.65 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD E DWN VORTAC, RT, 277.00 INBOUND. CHART ARRIVAL HOLDING AT SIYON/AXN 41.60 DME: HOLD W, RT, 102.65 INBOUND, 5000 CHART FAS OBST: 1376 TOWER 453616N/0940820W CHART IN PLANVIEW: DWN VORTAC.											
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT SIYON 3. FAC: <u>132.99</u> FAF: <u>OSACA/STC VOR/DME 5.84 DME</u> DIST FAF TO MAP: <u> </u> THLD: <u>5.32</u> 4. MIN. ALT: <u>SIYON 5000, OSACA 2800</u> 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>985</u> 6. MIN GS INCPT: <u>2800</u> GS ALT AT: <u>OSACA/STC VOR/DME 5.84 DME 2800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>48.7</u> 8. MSA FROM: <u>STC VOR/DME 3500</u>				MAG VAR: 3E EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF: <u> </u>	STANDARD <u>X</u>	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: <u>NA</u>	ILS: # <u> </u>	LOC: STANDARD @ <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
S-ILS 13	1231	1/2	200	1231	1/2	200	1231	1/2	200	1231	1/2	200			
S-LOC 13	1680	1/2	649	1680	1/2	649	1680	1 1/4	649	1680	1 1/2	649			
CIRCLING	1680	1	649	1680	1	649	1680	1 3/4	649	1680	2	649			
NOTES: CHART NOTE: CIRCLING TO RWY 5-23 NA AT NIGHT. CHART NOTE: DME FROM STC VOR/DME. SIMULTANEOUS RECEPTION OF I-BPM AND STC DME REQUIRED. CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: DME REQUIRED. SEE 8260-10															
CITY AND STATE		ELEVATION: 1031 TDZE: 1031		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
ST CLOUD, MN		AIRPORT NAME:		I-BPM		ILS OR LOC/DME RWY 13, AMDT 1				AMDT: ORIG					
		ST CLOUD RGNL				27 AUG 2009				DATED 10/25/2007					

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LITTLE FALLS ALTIMETER SETTING AND INCREASE DA TO 1307 AND ALL MDAS 80 FEET. INCREASE S-LOC 13 CATS C/D AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: HOLDING NOT REQUIRED AT SIYON VIA V510 EASTBOUND.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING LITTLE FALLS ALTIMETER SETTING, INCREASE S-ILS 13 ALL CATS VISIBILITY 1/2 MILE.

CITY AND STATE

ST CLOUD, MN

ELEVATION: 1031 TDZE: 1031

AIRPORT NAME:

ST CLOUD RGNL

FACILITY
IDENTIFIER:

I-BPM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 13, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG

DATED: 10/25/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES					MISSED APPROACH										
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
GOLLF	YOGUN (FB)	266.30 / 19.88	3300	LPV: DA LNAV/VNAV: DA LNAV: RW13											
DWN VORTAC	OKEYA (FB)	005.10 / 33.05	3000												
YOGUN (IAF)	WELOK (NOPT) (FB)	222.92 / 5.00	3000	CLIMB TO 3000 DIRECT ZUXAL AND HOLD.											
OKEYA (IAF)	WELOK (NOPT) (FB)	042.80 / 5.00	3000												
WELOK (IF/IAF)	OSACA (FB)	132.86 / 6.10	2800	ADDITIONAL FLIGHT DATA: HOLD SE, LT, 321.00 INBOUND. CHART FAS OBST: 1175 TRMSN TWR 453413N/0940545W CHART FAS OBST: 1156 TRMSN TWR 453413N/0940458W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.13 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 82013 REFERENCE PATH ID: W13A											
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW WELOK, RT, 132.86 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 132.93 FAF: OSACA DIST FAF TO MAP: <u>5.32</u> THLD: <u>5.32</u> 4. MIN. ALT: WELOK 3000, OSACA 2800, TUYUB/2.50 NM TO RW13 1880* 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>2800</u> GS ALT AT: OSACA 2800 OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: 48.7 34:1 IS CLEAR 8. MSA FROM: RW13 3500															
					MAG VAR: 3E EPOCH YEAR: 1995										
MINIMUMS															
TAKEOFF:	☐ STANDARD	☒ X	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	1231	1/2	200	1231	1/2	200	1231	1/2	200	1231	1/2	200			
LNAV/VNAV DA	1455	1	424	1455	1	424	1455	1	424	1455	1	424			
LNAV MDA	1440	1/2	409	1440	1/2	409	1440	3/4	409	1440	1	409			
CIRCLING	1500	1	469	1500	1	469	1500	1 1/2	469	1620	2	589			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 47C (116F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DWN VORTAC VIA V171 SOUTHEAST BOUND. *LNAV ONLY SEE 8260-10															
CITY AND STATE		ELEVATION: 1031 TDZE: 1031		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
ST CLOUD, MN		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 13, AMDT 1				AMDT: ORIG					
		ST CLOUD RGNL				27 AUG 2009				DATED 02/19/2004					

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING LITTLE FALLS ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LITTLE FALLS ALTIMETER SETTING AND INCREASE ALL DA 76 FEET AND ALL MDA 80 FEET. INCREASE LNAV/VNAV VISIBILITY 1/4 MILE ALL CATS.

CHART NOTE: CIRCLING TO RWY 5-23 NA AT NIGHT.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING LITTLE FALLS ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY 1/2 MILE.

CITY AND STATE

ST CLOUD, MN

ELEVATION: 1031 TDZE: 1031

AIRPORT NAME:

ST CLOUD RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG

DATED: 02/19/2004

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSTC
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	453314.1775N
LTP/FTP LONGITUDE	0940409.6120W
LTP/FTP ELLIPSOIDAL HEIGHT	+02869
FPAP LATITUDE	453223.4000N
FPAP LONGITUDE	0940259.8100W
THRESHOLD CROSSING HEIGHT (TCH)	00048.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	101.75
LENGTH OFFSET	0048
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

3235CFBF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03141
FPAP ORTHOMETRIC HEIGHT	+03141

CITY AND STATE
ST CLOUD, MN

ELEVATION: 1031 TDZE: 1031
AIRPORT NAME:
ST CLOUD RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13, AMDT 1
27 AUG 2009

SUP:	
AMDT:	ORIG
DATED:	02/19/2004

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[illegible][illegible]

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

SUSAP	KSTCK3ASTC	0	070YHN45324760W	094033560E	003001031		1800018000C	MNAR	ST CLOUD	RGNL			

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KSTCK3FR13	ADWN	010DWN	K3D 0V	IF					18000			A JS	
SUSAP KSTCK3FR13	ADWN	0200KEYAK3EA0E	A 020TF			00510331	+	03000				A JS	
SUSAP KSTCK3FR13	ADWN	030WELOKK3EA0EE	010TF			04280050	+	03000				A JS	
SUSAP KSTCK3FR13	AGOLLF	010GOLLFK3EA0E	IF						18000			A JS	
SUSAP KSTCK3FR13	AGOLLF	020YOGUNK3EA0E	A 020TF			26630199	+	03300				A JS	
SUSAP KSTCK3FR13	AGOLLF	030WELOKK3EA0EE	010TF			22290050	+	03000				A JS	
SUSAP KSTCK3FR13	AWELOK	010WELOKK3EA0EE	AR HF			13290040	+	03000	18000			A JS	
SUSAP KSTCK3FR13	R	010WELOKK3EA0E	I IF				+	03000	18000			A JS	
SUSAP KSTCK3FR13	R	020OSACAK3EA1E	F 010TF			13290061	+	02800			RW13	K3PGA	JS
SUSAP KSTCK3FR13	R	020OSACAK3EA2WALPV		ALNAV/VNAV	ALNAV								JS
SUSAP KSTCK3FR13	R	021TUYUBK3EA0E	S 031TF			13290028	V	0188001882		-300		A JS	
SUSAP KSTCK3FR13	R	030RW13	K3PG0GY M 031TF			13300025		01079		-300		A JS	
SUSAP KSTCK3FR13	R	040ZUXALK3EA0EYM	010DF				+	03000				A JS	
SUSAP KSTCK3FR13	R	050ZUXALK3EA0EE	L020HM			32100040	+	03000				A JS	

QUALITY
CHECKED

CITY AND STATE ST CLOUD, MN	ELEVATION: 1031 TDZE: 1031	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: ST CLOUD RGNL			AMDT: ORIG
	DATED: 02/19/2004			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KSTCK3GRW13	0070001330	N45331418W094040961-0200	+02869010310000491501										
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KSTCK3PR13	RW13 001	0000W13A0N4533141775W09404096120+028690300N4532234000W09402598100101750048000487F4003503235CPBF											
SUSAP KSTCK3PR13	RW13 002E	+03141+03141LPV	82013										
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KSTCK3SRW13 K3PG	0	18018003525	M										

QUALITY
CHECKED

CITY AND STATE
ST CLOUD, MN

ELEVATION: 1031 TDZE: 1031
 AIRPORT NAME:
 ST CLOUD RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 13, AMDT 1
 27 AUG 2009

SUP:
 AMDT: ORIG
 DATED: 02/19/2004

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DWN	DWN	010		IF		FB				
	DWN	OKEYA	020	IAF	TF		FB	2.0	005.1(008T)	033.1	03000
	DWN	WELOK	030		TF		FB	1.0	042.8(046T)	005.0	03000
	GOLLF	GOLLF	010		IF		FB				
	GOLLF	YOGUN	020	IAF	TF		FB	2.0	266.3(269T)	019.9	03300
	GOLLF	WELOK	030		TF		FB	1.0	222.9(226T)	005.0	03000
	WELOK	WELOK	010	IAF	HF	R	FB		132.9(136T)	004.0	03000
		WELOK	010	FACF	IF		FB				03000
		OSACA	020	FAF	TF		FB	1.0	132.9(136T)	006.1	02800
		TUYUB	021	SDF	TF		FB	0.3	132.9(136T)	002.8	0188001882
		RW13	030	MAP	TF		FO	0.3	133.0(136T)	002.5	01079

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZUXAL	040		DF		FO	1.0			03000
	ZUXAL	050		HM	L	FO	2.0	321.0(324T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DWN	N450514.87	W0942713.86	N4505.248	W09427.231
	GOLLF	N454513.09	W0934158.21	N4545.218	W09341.970
	OKEYA	N453757.33	W0942035.55	N4537.956	W09420.593
	OSACA	N453703.79	W0940925.86	N4537.063	W09409.431
	TUYUB	N453502.01	W0940638.00	N4535.034	W09406.633
	WELOK	N454126.32	W0941528.74	N4541.439	W09415.479
	YOGUN	N454455.08	W0941021.30	N4544.918	W09410.355
	ZUXAL	N452423.58	W0935202.97	N4524.393	W09352.050
	RW13	N453314.18	W0940409.61	N4533.236	W09404.160

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW13	01031	49

QUALITY
CHECKED

CITY AND STATE ST CLOUD, MN	ELEVATION: 1031 TDZE: 1031	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: ST CLOUD RGNL			AMDT: ORIG
				DATED: 02/19/2004

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.							
TERMINAL ROUTES												MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
DWN VORTAC	LOVVI (FB)	050.27 / 26.41	3000	LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 3000 DIRECT WELOK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 132.86 INBOUND. CHART FAS OBST: 1078 TREE 453207N/0940254W CHART FAS OBST: 1119 TREE 453145N/0940133W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.17 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 61213 REFERENCE PATH ID: W31A											
PLUGS	ROCOK (FB)	269.64 / 10.31	3000												
TLBAT	LOVVI (FB)	126.51 / 21.24	3000												
DAYLE	ROCOK (FB)	144.60 / 11.25	4000												
LOVVI (IAF)	ZUXAL (NOPT) (FB)	043.77 / 5.00	3000												
ROCOK (IAF)	ZUXAL (NOPT) (FB)	222.25 / 5.00	3000												
ZUXAL (IF/IAF)	POGOY (FB)	313.14 / 6.10	2700												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE ZUXAL, LT, 321.00 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 313.07 FAF: POGOY _____ DIST FAF TO MAP: 5.03 THLD: 5.03 4. MIN. ALT: ZUXAL 3000, POGOY 2700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2700 GS ALT AT: POGOY 2700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 59.9 34:1 IS CLEAR 8. MSA FROM: RW31 3500				MAG VAR: 3E EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF: _____		STANDARD ☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: NA ☐		STANDARD @							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1220	1/2	200	1220	1/2	200	1220	1/2	200	1220	1/2	200			
LNAV/VNAV DA	1379	3/4	359	1379	3/4	359	1379	3/4	359	1379	3/4	359			
LNAV MDA	1440	1/2	420	1440	1/2	420	1440	3/4	420	1440	1	420			
CIRCLING	1500	1	469	1500	1	469	1500	1 1/2	469	1620	2	589			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DWN VORTAC ON AIRWAY RADIALS 078 CW 109. CHART NOTE: CIRCLING TO RWY 5-23 NA AT NIGHT. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT SEE 8260-10															
CITY AND STATE				ELEVATION: 1031 TDZE: 1020		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
ST CLOUD, MN				AIRPORT NAME:				RNAV (GPS) RWY 31, AMDT 1				AMDT: ORIG			
				ST CLOUD RGNL				27 AUG 2009				DATED 02/19/2004			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

RECEIVED, USE LITTLE FALLS ALTIMETER SETTING AND INCREASE ALL DA 76 FT, AND ALL MDA 80 FEET.
INCREASE LNAV/VNAV VISIBILITY 1/4 MILE ALL CATS. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE
LNAV CAT D VISIBILITY 1/4 MILE. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING LITTLE FALLS
ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY 1/2 MILE. CHART NOTE: BARO-VNAV AND VDP N/A
WHEN USING LITTLE FALLS ALTIMETER SETTING.

CITY AND STATE ST CLOUD, MN	ELEVATION: 1031 TDZE: 1020 AIRPORT NAME: ST CLOUD RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED: 02/19/2004

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KSTC
RUNWAY RW31
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W31A
LTP/FTP LATITUDE 453224.4650N
LTP/FTP LONGITUDE 0940301.2865W
LTP/FTP ELLIPSOIDAL HEIGHT +02826
FPAP LATITUDE 453314.9100N
FPAP LONGITUDE 0940410.6100W
THRESHOLD CROSSING HEIGHT (TCH) 00059.9
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0032
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

CAD040D1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +03098
FPAP ORTHOMETRIC HEIGHT +03098

CITY AND STATE

ST CLOUD, MN

ELEVATION: 1031

TDZE: 1020

AIRPORT NAME:

ST CLOUD RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG

DATED: 02/19/2004

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[illegible]

QUALITY
CHECKED

CITY AND STATE ST CLOUD, MN	ELEVATION: 1031 TDZE: 1020 AIRPORT NAME: ST CLOUD RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED: 02/19/2004

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KSTCK3FR31	R	020POGOYK3EA1E	F 010TF					31310061	+ 02700			RW31	K3PGA JS
SUSAP KSTCK3FR31	R	020POGOYK3EA2WALPV	ALNAV/VNAV ALNAV										JS
SUSAP KSTCK3FR31	R	030RW31 K3PG0GY M 031TF						31310050	01076	-300		A JS	
SUSAP KSTCK3FR31	R	040WELOKK3EA0EYM 010DF							+ 03000			A JS	
SUSAP KSTCK3FR31	R	050WELOKK3EA0EE R020HM						13290040	+ 03000			A JS	
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KSTCK3GRW31		0070003130	N45322447W094030129+0200						+0282601017000060150I				
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KSTCK3PR31	RW31 001	0000W31A0N4532244650W09403012865+028260300N4533149100W09404106100106750032000599F400350CAD040D1											
SUSAP KSTCK3PR31	RW31 002E	+03098+03098LPV	61213										
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KSTCK3SRW31	K3PG	0	18018003525									M	

CITY AND STATE
 ST CLOUD, MN

ELEVATION: 1031 TDZE: 1020
 AIRPORT NAME:
 ST CLOUD RGNL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 31, AMDT 1
 27 AUG 2009

SUP:
 AMDT: ORIG
 DATED: 02/19/2004



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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DAYLE	DAYLE	010		IF		FB				
	DAYLE	ROCOK	020	IAF	TF		FB	2.0	144.6 (148T)	011.3	04000
	DAYLE	ZUXAL	030		TF		FB	1.0	222.3 (225T)	005.0	03000
	DWN	DWN	010		IF		FB				
	DWN	LOVVI	020	IAF	TF		FB	2.0	050.3 (053T)	026.4	03000
	DWN	ZUXAL	030		TF		FB	1.0	043.8 (047T)	005.0	03000
	PLUGS	PLUGS	010		IF		FB				
	PLUGS	ROCOK	020	IAF	TF		FB	2.0	269.6 (273T)	010.3	03000
	PLUGS	ZUXAL	030		TF		FB	1.0	222.3 (225T)	005.0	03000
	TLBAT	TLBAT	010		IF		FB				
	TLBAT	LOVVI	020	IAF	TF		FB	2.0	126.5 (130T)	021.2	03000
	TLBAT	ZUXAL	030		TF		FB	1.0	043.8 (047T)	005.0	03000
	ZUXAL	ZUXAL	010	IAF	HF	L	FB		321.0 (324T)	004.0	03000
		ZUXAL	010	PACF	IF		FB				03000
		POGOY	020	PAF	TF		FB	1.0	313.1 (316T)	006.1	02700
		RW31	030	MAP	TF		FO	0.3	313.1 (316T)	005.0	01076

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WELOK	040		DF		FO	1.0			03000
	WELOK	050		HM	R	FO	2.0	132.9 (136T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DWN	N450514.87	W0942713.86	N4505.248	W09427.231
	DAYLE	N453724.75	W0935534.20	N4537.413	W09355.570
	LOVVI	N452058.23	W0935713.24	N4520.971	W09357.221
	PLUGS	N452727.37	W0933222.65	N4527.456	W09332.378
	POGOY	N452847.35	W0935803.50	N4528.789	W09358.058
	ROCOK	N452754.88	W0934700.51	N4527.915	W09347.009
	TLBAT	N453431.10	W0942027.16	N4534.518	W09420.453
	WELOK	N454126.32	W0941528.74	N4541.439	W09415.479
	ZUXAL	N452423.58	W0935202.97	N4524.393	W09352.050
	RW31	N453224.47	W0940301.29	N4532.408	W09403.022

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH
RW31	01017 60

QUALITY
CHECKED

CITY AND STATE ST CLOUD, MN	ELEVATION: 1031 TDZE: 1020 AIRPORT NAME: ST CLOUD RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED: 02/19/2004

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 13, 23, 31 STANDARD.

RWY 5, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 201 FEET PER NM TO 1,300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRAIDENT, TAKEOFF MUST OCCUR NO LATER THAN 1,100 FT PRIOR TO DEPARTURE END OF RUNWAY.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5, TOWER 6,201' FROM DER, 1,416' LEFT OF CENTERLINE, 149' AGL/1,179' MSL. MULTIPLE TREES BEGINNING 17' FROM DER, 373' RIGHT OF CENTERLINE, UP TO 59' AGL/1,081' MSL. MULTIPLE TREES BEGINNING 1,752' FROM DER, 56' LEFT OF CENTERLINE, UP TO 80' AGL/1,102' MSL.

NOTE: RWY 13, TREE 1,654' FROM DER, 884' RIGHT OF CENTERLINE, 61' AGL/1,078' MSL. TREE 1,265' FROM DER, 794' LEFT OF CENTERLINE, 42' AGL/1,059' MSL.

(4) CONTROLLING OBSTACLES:

RWY 5: 1,179 MSL TOWER 453334.43N/0940212.98W

(5) City/State

ST CLOUD , MN

(6) Airport

ST CLOUD RGNL

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL..
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elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in
statute miles or in feet RVR.

(3) TAKEOFF OBSTACLE NOTES: (CONT'D)

NOTE: RWY 23, TREES 2,109' FROM DER, 29' RIGHT OF CENTERLINE, UP TO 61' AGL/1,082' MSL. TREES 1,725' FROM DER, 93' LEFT OF CENTERLINE, UP TO 55' AGL/1,076' MSL.
FENCE 74' FROM DER, 216' LEFT OF CENTERLINE, 2' AGL, 1,023' MSL.

NOTE: RWY 31, TERRAIN BEGINNING 29' FROM DER, 50' RIGHT OF CENTERLINE, UP TO 1,083' MSL. TERRAIN BEGINNING 107' FROM DER, 7' LEFT OF CENTERLINE, UP TO 1,060'
MSL.



City, State ST. CLOUD, MN		Airport ST. CLOUD RGNL		Effective Date 27 AUG 2009	Amdt. No. ORIG
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
FATSA (IAF)	CELTA (NOPT) (FB)	082.76 / 5.00	4000	LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 4000 DIRECT UNITE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 352.83 INBOUND. CHART FAS OBST: 1875 GR. ELEVATOR 403817N/0973501W CHART FAS OBST: 1725 ROD ON HANGER 403553N/0973401W DISTANCE TO THLD FROM 298 HAT: 0.81 NM. WAAS CHANNEL # 69414 REFERENCE PATH ID: W17A								
CEVER (IAF)	CELTA (NOPT) (FB)	262.90 / 5.00	4000									
CELTA (IF/IAF)	BOLPE (FB)	172.83 / 6.10	3200									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N CELTA, RT, 172.83 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 172.83 FAF: BOLPE DIST FAF TO MAP: 4.73 THLD: 4.73 4. MIN. ALT: CELTA 4000, BOLPE 3200 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 3200 GS ALT AT: BOLPE OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM:				MAG VAR: 7E EPOCH YEAR: 1990								
MINIMUMS												
TAKEOFF:	STANDARD	X	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
LPV DA	1934	1	298	1934	1	298		NA			NA	
LNAV/VNAV DA	2043	1 1/2	407	2043	1 1/2	407		NA			NA	
LNAV MDA	2240	1	604	2240	1	604		NA			NA	
CIRCLING	2240	1	604	2240	1	604		NA			NA	
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: BARO-VNAV NA. CHART NOTE: USE YORK ALTIMETER SETTING, WHEN NOT RECEIVED USE HEBRON ALTIMETER SETTING AND INCREASE ALL DA 36 FEET, ALL MDA 40 FEET. INCREASE LPV ALL CATS VISIBILITY 1/4 MILE.												
CITY AND STATE		ELEVATION: 1636 TDZE: 1636		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
FAIRMONT, NE		AIRPORT NAME: FAIRMONT STATE AIRFIELD				RNAV (GPS) RWY 17, AMDT 1 27 AUG 2009		AMDT: ORIG-A				
								DATED 07/10/2003				

QUALITY
5
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

TAA

	FROM	TO	ALT
1.	083/30 CW 263/30 (NOPT) 083/10 CW 263/10 (NOPT)	083/10 CW 263/10 CELTA (IF/IAF) (FB)	4100 4000
2.	263/30 CW 353/30	CEVER (IAF) (FB)	4100
3.	353/30 CW 083/30	FATSA (IAF) (FB)	4100

QUALITY
5
CHECKED

CITY AND STATE

FAIRMONT, NE

ELEVATION: 1636 TDZE: 1636

AIRPORT NAME:

FAIRMONT STATE AIRFIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG-A

DATED: 07/10/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 KFMZ
RUNWAY RW17
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W17A
LTP/FTP LATITUDE 403540.2895N
LTP/FTP LONGITUDE 0973416.0600W
LTP/FTP ELLIPSOIDAL HEIGHT +04718
FPAP LATITUDE 403411.1300N
FPAP LONGITUDE 0973415.7100W
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 1432
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

AAE89289

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +04984
FPAP ORTHOMETRIC HEIGHT +04984

CITY AND STATE FAIRMONT, NE	ELEVATION: 1636 TDZE: 1636 AIRPORT NAME: FAIRMONT STATE AIRFIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 27 AUG 2009	SUP: AMDT: ORIG-A DATED: 07/10/2003

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 KFMZK3FR17	ACELTA	010	CELTAK3EA0EE	AR	HF		17280040		+ 04000	18000		A	JS
SUSAP KFMZK3FR17	ACEVER	010	CEVERK3EA0E	A	IF					18000		A	JS
SUSAP KFMZK3FR17	ACEVER	020	CELTAK3EA0EE		010TF		26290050		+ 04000			A	JS
SUSAP KFMZK3FR17	AFATSA	010	FATSAK3EA0E	A	IF					18000		A	JS
SUSAP KFMZK3FR17	AFATSA	020	CELTAK3EA0EE		010TF		08280050		+ 04000			A	JS
SUSAP KFMZK3FR17	R	010	CELTAK3EA0E	I	IF				+ 04000	18000		A	JS
SUSAP KFMZK3FR17	R	020	BOLPEK3EA1E	F	051TF		17280061		+ 03200			A	JS
SUSAP KFMZK3FR17	R	020	BOLPEK3EA2WALPV		ALNAV/VNAV ALNAV								JS
SUSAP KFMZK3FR17	R	030	RW17 K3PG0GY	M	031TF		17280047		01675	-300		A	JS
SUSAP KFMZK3FR17	R	040	UNITEK3EA0EYM		010DF				+ 04000			A	JS
SUSAP KFMZK3FR17	R	050	UNITEK3EA0EE		R020HM		35280040		+ 04000			A	JS

[illegible][illegible]

QUALITY
CHECKED

SUP:	
AMDT:	ORIG-A
DATED:	07/10/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CELTA	CELTA	010	IAF	HF	R	FB		172.8(180T)	004.0	04000
	CEVER	CEVER	010	IAF	IF		FB				
	CEVER	CELTA	020		TF		FB	1.0	262.9(270T)	005.0	04000
	FATSA	FATSA	010	IAF	IF		FB				
	FATSA	CELTA	020		TF		FB	1.0	082.8(090T)	005.0	04000
		CELTA	010	FACF	IF		FB				04000
		BOLPE	020	FAF	TF		FB	0.5	172.8(180T)	006.1	03200
		RW17	030	MAP	TF		FO	0.3	172.8(180T)	004.7	01675

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	UNITE	040		DF		FO	1.0			04000
	UNITE	050		HM	R	FO	2.0	352.8(360T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BOLPE	N404024.02	W0973417.17	N4040.400	W09734.286
	CELTA	N404630.51	W0973418.60	N4046.509	W09734.310
	CEVER	N404631.21	W0972743.72	N4046.520	W09727.729
	FATSA	N404629.43	W0974053.48	N4046.491	W09740.891
	UNITE	N402407.39	W0973413.37	N4024.123	W09734.223
	RW17	N403540.29	W0973416.06	N4035.672	W09734.268

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	01635	40

QUALITY
1
CHECKED

CITY AND STATE FAIRMONT, NE	ELEVATION: 1636 TDZE: 1636	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: FAIRMONT STATE AIRFIELD			AMDT: ORIG-A
				DATED: 07/10/2003

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
IPIVY (IAF)	UNITE (NOPT) (FB)	082.76 / 5.00	4000	LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 4000 DIRECT CELTA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 172.83 INBOUND. CHART FAS OBST: 1749 TREE 403418N/0973333W DISTANCE TO THLD FROM 298 HAT: 0.82 NM. WAAS CHANNEL # 93614 REFERENCE PATH ID: W35A											
VALUU (IAF)	UNITE (NOPT) (FB)	262.90 / 5.00	4000												
UNITE (IF/IAF)	LYYON (FB)	352.83 / 6.10	3200												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S UNITE, RT, 352.83 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>352.83</u> FAF: <u>LYYON</u> DIST FAF TO MAP: <u>4.73</u> THLD: <u>4.73</u> 4. MIN. ALT: <u>UNITE 4000, LYYON 3200, ATOYO/1.60 NM TO RW35 2180*</u> 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>3200</u> GS ALT AT: <u>LYYON</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 7E EPOCH YEAR: 1990											
MINIMUMS															
TAKEOFF:	☐ STANDARD	☒ SEE FAA FORM 8260-15A	FOR THIS AIRPORT		ALTERNATE: N A	☒									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1934	1	298	1934	1	298		NA			NA				
LNAV/VNAV DA	2094	1 3/4	458	2094	1 3/4	458		NA			NA				
LNAV MDA	2060	1	424	2060	1	424		NA			NA				
CIRCLING	2120	1	484	2120	1	484		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *LNAV ONLY CHART NOTE: USE YORK ALTIMETER SETTING, WHEN NOT RECEIVED USE HEBRON ALTIMETER SETTING AND SEE 8260-10															
CITY AND STATE				ELEVATION: 1636 TDZE: 1636		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
FAIRMONT, NE				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 35, AMDT 1				AMDT: ORIG			
				FAIRMONT STATE AIRFIELD				27 AUG 2009				DATED 07/10/2003			

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

INCREASE ALL DA 36 FEET, ALL MDA 40 FEET. INCREASE LPV ALL CATS VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV N/A.

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	263/30 CW 083/30 (NOPT)	UNITE (IF/IAF) (FB)	4000
2.	083/30 CW 173/30	IPIVY (IAF) (FB)	4100
3.	173/30 CW 263/30	VALUU (IAF) (FB)	4100

QUALITY
5
CHECKED

CITY AND STATE

FAIRMONT, NE

ELEVATION: 1636

TDZE: 1636

AIRPORT NAME:

FAIRMONT STATE AIRFIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, AMDT 1

27 AUG 2009

SUP:

AMDT:

ORIG

DATED:

07/10/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KFMZ
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	403457.6315N
LTP/FTP LONGITUDE	0973415.8865W
LTP/FTP ELLIPSOIDAL HEIGHT	+04714
FPAP LATITUDE	403626.7900N
FPAP LONGITUDE	0973416.2400W
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	1432
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER BEB093F5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+04980
FPAP ORTHOMETRIC HEIGHT	+04980

CITY AND STATE FAIRMONT, NE	ELEVATION: 1636 TDZE: 1636	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: FAIRMONT STATE AIRFIELD			AMDT: ORIG
	DATED: 07/10/2003			

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

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KFMZK3FR35	AIPIVY	010IPIVYK3EA0E	A	IF					18000		A	JS
SUSAP	KFMZK3FR35	AIPIVY	020UNITEK3EA0EE		010TF		08280050	+	04000			A	JS
SUSAP	KFMZK3FR35	AUNITE	010UNITEK3EA0EE	AR	HF		35280040	+	04000	18000		A	JS
SUSAP	KFMZK3FR35	AVALUU	010VALUUK3EA0E	A	IF					18000		A	JS
SUSAP	KFMZK3FR35	AVALUU	020UNITEK3EA0EE		010TF		26290050	+	04000			A	JS
SUSAP	KFMZK3FR35	R	010UNITEK3EA0E	I	IF			+	04000	18000		A	JS
SUSAP	KFMZK3FR35	R	020LYYONK3EA1E	F	051TF		35280061	+	03200			A	JS
SUSAP	KFMZK3FR35	R	020LYYONK3EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KFMZK3FR35	R	021ATOYOK3EA0E	S	031TF		35280031	V	0218002188	-300		A	JS
SUSAP	KFMZK3FR35	R	030RW35	K3PGOGY	M	031TF	35280016		01674	-300		A	JS
SUSAP	KFMZK3FR35	R	040CELTAK3EA0EYM		010DF			+	04000			A	JS
SUSAP	KFMZK3FR35	R	050CELTAK3EA0EE		R020HM		17280040	+	04000			A	JS

[illegible]

QUALITY
CHECKED

CITY AND STATE FAIRMONT, NE	ELEVATION: 1636 TDZE: 1636 AIRPORT NAME: FAIRMONT STATE AIRFIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED: 07/10/2003

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

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1 2 3 4 5 6 7 8 9 0 1 2 3
PP 1234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KFMZK3PR35 RW35 001 0000W35A0N4034576315W09734158865+047140300N4036267900W09734162400106751432000400F400500BEB093F5
SUSAP KFMZK3PR35 RW35 002E +04980+04980LPV 93614

QUALITY
1
CHECKED

CITY AND STATE
FAIRMONT, NE

ELEVATION: 1636 TDZE: 1636
AIRPORT NAME:
FAIRMONT STATE AIRFIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, AMDT 1
27 AUG 2009

SUP:
AMDT: ORIG
DATED: 07/10/2003

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	IPIVY	IPIVY	010	IAF	IF		FB				
	IPIVY	UNITE	020		TF		FB	1.0	082.8 (090T)	005.0	04000
	UNITE	UNITE	010	IAF	HF	R	FB		352.8 (360T)	004.0	04000
	VALUU	VALUU	010	IAF	IF		FB				
	VALUU	UNITE	020		TF		FB	1.0	262.9 (270T)	005.0	04000
		UNITE	010	FACF	IF		FB				04000
		LYYON	020	FAF	TF		FB	0.5	352.8 (360T)	006.1	03200
		ATOYO	021	SDF	TF		FB	0.3	352.8 (360T)	003.1	0218002188
		RW35	030	MAP	TF		FO	0.3	352.8 (360T)	001.6	01674

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CELTA	040		DF		FO	1.0			04000
	CELTA	050		HM	R	FO	2.0	172.8 (180T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATOYO	N403321.57	W0973415.52	N4033.360	W09734.259
	CELTA	N404630.51	W0973418.60	N4046.509	W09734.310
	IPIVY	N402406.31	W0974046.06	N4024.105	W09740.768
	LYYON	N403013.65	W0973414.79	N4030.228	W09734.247
	UNITE	N402407.39	W0973413.37	N4024.123	W09734.223
	VALUU	N402408.10	W0972740.68	N4024.135	W09727.678
	RW35	N403457.63	W0973415.89	N4034.961	W09734.265

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW35	01634		40

QUALITY
CHECKED

CITY AND STATE
FAIRMONT, NE

ELEVATION: 1636 TDZE: 1636
 AIRPORT NAME:
 FAIRMONT STATE AIRFIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 35, AMDT 1
 27 AUG 2009

SUP:
 AMDT: ORIG
 DATED: 07/10/2003

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

QUALITY
CHECK

(5) City, State

FAIRMONT, NE

(6) Airport

FAIRMONT STATE AIRFIELD

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

ORIG

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
GRASI	IREGY (FB)	055.63 / 7.61	4000	LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 4000 DIRECT WIVFO AND HOLD.								
LNK VORTAC	JEDED (FB)	279.97 / 37.48	4000									
OLU VOR/DME	PEVOC (FB)	203.95 / 18.40	4000	ADDITIONAL FLIGHT DATA: HOLD S, RT, 348.66 INBOUND. CHART FAS OBST: 1739 TREE 405456N/0973815W DISTANCE TO THLD FROM 250 HAT: 0.65 NM. CHART VDP AT 0.92 MILES TO RW17* *LNAV ONLY. WAAS CHANNEL # 86301 REFERENCE PATH ID: W17A CHART TDZE 1665.								
IREGY (IAF)	EHJAM (NOPT) (FB)	078.56 / 5.00	4000									
JEDED (IAF)	EHJAM (NOPT) (FB)	258.70 / 5.00	4000									
PEVOC (IAF)	EHJAM (NOPT) (FB)	212.18 / 7.53	4000									
EHJAM (IF/IAF)	AZGEP (FB)	168.63 / 6.24	3200									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N EHJAM, RT, 168.63 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 168.63 FAF: AZGEP DIST FAF TO MAP: 4.62 THLD: 4.62 4. MIN. ALT: EHJAM 4000, AZGEP 3200, HELEK/1.60 NM TO RW17 2220* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3200 GS ALT AT: AZGEP OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 43.8 34:1 IS NOT CLEAR 8. MSA FROM: RW17 4100				MAG VAR: 6E EPOCH YEAR: 1995								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1915	3/4	250	1915	3/4	250	1915	3/4	250	NA		
LNAV/VNAV DA	2031	1 1/4	366	2031	1 1/4	366	2031	1 1/4	366	NA		
LNAV MDA	2000	1	335	2000	1	335	2000	1	335	NA		
CIRCLING	2060	1	390	2120	1	450	2120	1 1/2	450	NA		
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GRASI VIA V6-8 WESTBOUND. SEE 8260-10												
CITY AND STATE		ELEVATION: 1670 TDZE: 1665		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
YORK, NE		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 17, AMDT 2		AMDT: 1				
		YORK MUNI				27 AUG 2009		DATED 08/03/2006				

QUALITY
 9
 CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LNK VORTAC VIA AIRWAY RADIALS 248 CW 258.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OLU VOR/DME VIA V172 EASTBOUND.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AURORA ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET AND ALL LPV AND LNAV/VNAV VISIBILITY 1/4 MILE.****CHART NOTE: VDP AND BARO-VNAV NA WHEN USING AURORA ALTIMETER SETTING.***** LNAV ONLY**

QUALITY
9
CHECKED

CITY AND STATE

YORK, NE

ELEVATION: 1670 TDZE: 1665

AIRPORT NAME:

YORK MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, AMDT 2

27 AUG 2009

SUP:

AMDT:

1

DATED: 08/03/2006

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KJYR
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	405417.3300N
LTP/FTP LONGITUDE	0973725.6000W
LTP/FTP ELLIPSOIDAL HEIGHT	+04812
FPAP LATITUDE	405248.5700N
FPAP LONGITUDE	0973714.6300W
THRESHOLD CROSSING HEIGHT (TCH)	00043.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0952
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

831D0F83

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05074
FPAP ORTHOMETRIC HEIGHT	+05074

QUALITY
9
CHECKED

CITY AND STATE YORK, NE	ELEVATION: 1670 TDZE: 1665 AIRPORT NAME: YORK MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2 27 AUG 2009	SUP:
				AMDT: 1
				DATED: 08/03/2006

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

QUALITY
7
CHECKER

CITY AND STATE YORK, NE	ELEVATION: 1670 TDZE: 1665 AIRPORT NAME: YORK MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2 27 AUG 2009	SUP:
				AMDT: 1
				DATED: 08/03/2006

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KJYRK3FR17	R	021HELEKK3EA0E S	031TF				16860030	V 0222002221	-300	A JS	I	
	SUSAP KJYRK3FR17	R	030RW17 K3PG0GY M	031TF				16860016	01709	-300	A JS	I	
	SUSAP KJYRK3FR17	R	040WIVFOK3EA0EYM	010DF					+ 04000		A JS	I	
	SUSAP KJYRK3FR17	R	050WIVFOK3EA0EE	R020HM				34870040	+ 04000		A JS	I	
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KJYRK3GRW17	0059001686	N40541733W097372560+0100	+0481201665000044100R								I	
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KJYRK3PR17	RW17 001	0000W17A0N4054173300W09737256000+048120300N4052485700W09737146300106750952000438F400500831D0F83I										
	SUSAP KJYRK3PR17	RW17 002E	+05074+05074LPV	86301								I	
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KJYRK3SRW17	K3PG	0	18018004125							M	I	

QUALITY
7
CHECKED

CITY AND STATE YORK, NE	ELEVATION: 1670 TDZE: 1665	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2 27 AUG 2009	SUP:
	AIRPORT NAME: YORK MUNI			AMDT: 1
				DATED: 08/03/2006

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EHJAM	EHJAM	010	IAF	HF	R	FO		168.6 (175T)	004.0	04000
	GRASI	GRASI	010		IF		FB				
	GRASI	IREGY	020	IAF	TF		FB	2.0	055.6 (062T)	007.6	04000
	GRASI	EHJAM	030		TF		FB	1.0	078.6 (085T)	005.0	04000
	LNK	LNK	010		IF		FB				
	LNK	JEDED	020	IAF	TF		FB	2.0	280.0 (286T)	037.5	04000
	LNK	EHJAM	030		TF		FB	1.0	258.7 (265T)	005.0	04000
	OLU	OLU	010		IF		FB				
	OLU	PEVOC	020	IAF	TF		FB	2.0	204.0 (210T)	018.4	04000
	OLU	EHJAM	030		TF		FB	1.0	212.2 (218T)	007.5	04000
		EHJAM	010	FACF	IF		FB				04000
		AZGEP	020	FAF	TF		FB	0.5	168.6 (175T)	006.2	03200
		HELEK	021	SDF	TF		FB	0.3	168.6 (175T)	003.0	0222002221
		RW17	030	MAP	TF		FO	0.3	168.6 (175T)	001.6	01709

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WIVFO	040		DF		FO	1.0			04000
	WIVFO	050		HM	R	FO	2.0	348.7 (355T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LNK	N405525.60	W0964431.23	N4055.427	W09644.521
	OLU	N412700.12	W0972026.95	N4127.002	W09720.449
	AZGEP	N405853.71	W0973759.82	N4058.895	W09737.997
	EHJAM	N410506.98	W0973846.16	N4105.116	W09738.769
	GRASI	N410101.91	W0975412.41	N4101.032	W09754.207
	HELEK	N405552.97	W0973737.43	N4055.883	W09737.624
	IREGY	N410438.70	W0974521.10	N4104.645	W09745.352
	JEDED	N410534.88	W0973211.12	N4105.581	W09732.185
	PEVOC	N411102.31	W0973237.05	N4111.039	W09732.618
	WIVFO	N404225.68	W0973558.00	N4042.428	W09735.967
	RW17	N405417.33	W0973725.60	N4054.289	W09737.427

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
	RW17	01665 44

QUALITY
1
CHECKED

CITY AND STATE YORK, NE	ELEVATION: 1670 TDZE: 1665	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2 27 AUG 2009	SUP:
	AIRPORT NAME: YORK MUNI			AMDT: 1
				DATED: 08/03/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
BRADY	WEDPI (FB)	132.32 / 19.72	4000	LPV: DA LNAV/VNAV: DA LNAV: RW35			
ROMAD	WEDPI (FB)	075.99 / 23.59	4000				
LNK VORTAC	SIBGE (FB)	235.45 / 37.58	4100	CLIMB TO 4000 DIRECT EHJAM AND HOLD.			
VACUS	SIBGE (FB)	283.73 / 25.37	4000				
WEDPI (IAF)	WIVFO (NOPT) (FB)	078.59 / 5.00	4000	ADDITIONAL FLIGHT DATA: HOLD N, RT, 168.63 INBOUND. CHART FAS OBST: 1696 ROAD 405238N/0973723W CHART FAS OBST: 1806 TOWER 405154N/0973741W DISTANCE TO THLD FROM 250 HAT: 0.65 NM. CHART VDP AT 1.15 MILES TO RW35* *LNAV ONLY. WAAS CHANNEL # 49113 REFERENCE PATH ID: W35A CHART TDZE 1670.			
SIBGE (IAF)	WIVFO (NOPT) (FB)	303.73 / 8.00	4000				
WIVFO (IF/IAF)	OZYAK (FB)	348.66 / 6.08	3300				

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. HOLD S WIVFO, RT, 348.66 INBOUND, 4000 FT. IN LIEU OF PT (IAF)	
3. FAC: 348.66 FAF: OZYAK	DIST FAF TO MAP: 4.92 THLD: 4.92
4. MIN. ALT: WIVFO 4000, OZYAK 3300, GUBEZ/2.10 NM TO RW35 2380'	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCPT: 3300 GS ALT AT: OZYAK	OM: _____ MM: _____ IM: _____
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR	
8. MSA FROM: RW35 4100	

MINIMUMS															
TAKEOFF:	STANDARD	X	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	1920	3/4	250	1920	3/4	250	1920	3/4	250		NA				
LNAV/VNAV DA	2004	1 1/4	334	2004	1 1/4	334	2004	1 1/4	334		NA				
LNAV MDA	2060	1	390	2060	1	390	2060	1	390		NA				
CIRCLING	2060	1	390	2120	1	450	2120	1 1/2	450		NA				

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F).

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VACUS VIA V61 EASTBOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE YORK, NE	ELEVATION: 1670 TDZE: 1670	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: YORK MUNI			AMDT: ORIG
				DATED 04/13/2006



**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AURORA ALTIMETER SETTING AND INCREASE****ALL DA/MDA 60 FEET AND ALL LPV, ALL LNAV/VNAV, AND CAT C LNAV VISIBILITY 1/4 MILE.****CHART NOTE: VDP AND BARO-VNAV NA WHEN USING AURORA ALTIMETER SETTING.***** LNAV ONLY**

QUALITY
9
CHECKED

CITY AND STATE

YORK, NE

ELEVATION: 1670 TDZE: 1670

AIRPORT NAME:

YORK MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG

DATED: 04/13/2006

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KJYR
RUNWAY RW35
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W35A
LTP/FTP LATITUDE 405323.2300N
LTP/FTP LONGITUDE 0973718.9200W
LTP/FTP ELLIPSOIDAL HEIGHT +04821
FPAP LATITUDE 405452.0000N
FPAP LONGITUDE 0973729.8800W
THRESHOLD CROSSING HEIGHT (TCH) 00045.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1072
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

3F627103

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +05083
FPAP ORTHOMETRIC HEIGHT +05083

QUALITY
9
CHECKED

CITY AND STATE

YORK, NE

ELEVATION: 1670 TDZE: 1670

AIRPORT NAME:

YORK MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG

DATED: 04/13/2006

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][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KJYRK3FR35	ABRADY	010BRADYK3EA0E	IF						18000		A	JS	G
SUSAP KJYRK3FR35	ABRADY	020WEDPIK3EA0E	A	020TF		13230197	+	04000			A	JS	G
SUSAP KJYRK3FR35	ABRADY	030WIVFOK3EA0EE	010TF			07860050	+	04000			A	JS	G
SUSAP KJYRK3FR35	ALNK	010LNLK K3D OV	IF						18000		A	JS	G
SUSAP KJYRK3FR35	ALNK	020SIBGEK3EA0E	A	020TF		23550376	+	04100			A	JS	G
SUSAP KJYRK3FR35	ALNK	030WIVFOK3EA0EE	010TF			30370080	+	04000			A	JS	G
SUSAP KJYRK3FR35	AROMAD	010ROMADK3EA0E	IF						18000		A	JS	G
SUSAP KJYRK3FR35	AROMAD	020WEDPIK3EA0E	A	020TF		07600236	+	04000			A	JS	G
SUSAP KJYRK3FR35	AROMAD	030WIVFOK3EA0EE	010TF			07860050	+	04000			A	JS	G
SUSAP KJYRK3FR35	AVACUS	010VACUSK3EA0E	IF						18000		A	JS	G
SUSAP KJYRK3FR35	AVACUS	020SIBGEK3EA0E	A	020TF		28370254	+	04000			A	JS	G
SUSAP KJYRK3FR35	AVACUS	030WIVFOK3EA0EE	010TF			30370080	+	04000			A	JS	G
SUSAP KJYRK3FR35	AWIVFO	010WIVFOK3EA0EE	AR	HF		34870040	+	04000	18000		A	JS	G

QUALITY
1
CHECKED

CITY AND STATE YORK, NE	ELEVATION: 1670 TDZE: 1670 AIRPORT NAME: YORK MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED: 04/13/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KJYRK3FR35	R	010WIVFOK3EA0E	I	IF				+ 04000	18000		A JS	G
	SUSAP KJYRK3FR35	R	020OZYAKK3EA1E	F	051TF		34870061		+ 03300		RW35	K3PGA JS	G
	SUSAP KJYRK3FR35	R	020OZYAKK3EA2WALPV			ALNAV/VNAV ALNAV						JS	G
	SUSAP KJYRK3FR35	R	021GUBEZK3EA0E	S	031TF		34870028	V	0238002386		-300	A JS	G
	SUSAP KJYRK3FR35	R	030RW35	K3PG0GY	M	031TF	34870021		01713		-300	A JS	G
	SUSAP KJYRK3FR35	R	040EHJAMK3EA0EYM		010DF				+ 04000			A JS	G
	SUSAP KJYRK3FR35	R	050EHJAMK3EA0EE		R020HM		16860040		+ 04000			A JS	G
	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KJYRK3GRW35		0059003487	N40532323W097371892-0100					+0482101668040045100R				G
	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KJYRK3PR35	RW35	001	0000W35A0N4053232300W09737189200+048210300N4054520000W09737298800106751072000450F4005003F627103G									
	SUSAP KJYRK3PR35	RW35	002E	+05083+05083LPV		49113							G
	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KJYRK3SRW35	K3PG		0	18018004125							M	G

QUALITY
1
CHECKED

CITY AND STATE YORK, NE	ELEVATION: 1670 TDZE: 1670	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: YORK MUNI			AMDT: ORIG
				DATED: 04/13/2006

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BRADY	BRADY	010		IF		FB				
	BRADY	WEDPI	020	IAF	TF		FB	2.0	132.3 (138T)	019.7	04000
	BRADY	WIVFO	030		TF		FB	1.0	078.6 (085T)	005.0	04000
	LNK	LNK	010		IF		FB				
	LNK	SIBGE	020	IAF	TF		FB	2.0	235.5 (242T)	037.6	04100
	LNK	WIVFO	030		TF		FB	1.0	303.7 (310T)	008.0	04000
	ROMAD	ROMAD	010		IF		FB				
	ROMAD	WEDPI	020	IAF	TF		FB	2.0	076.0 (082T)	023.6	04000
	ROMAD	WIVFO	030		TF		FB	1.0	078.6 (085T)	005.0	04000
	VACUS	VACUS	010		IF		FB				
	VACUS	SIBGE	020	IAF	TF		FB	2.0	283.7 (290T)	025.4	04000
	VACUS	WIVFO	030		TF		FB	1.0	303.7 (310T)	008.0	04000
	WIVFO	WIVFO	010	IAF	HF	R	FO		348.7 (355T)	004.0	04000
		WIVFO	010	FACF	IF		FB				04000
		OZYAK	020	FAF	TF		FB	0.5	348.7 (355T)	006.1	03300
		GUBEZ	021	SDF	TF		FB	0.3	348.7 (355T)	002.8	0238002386
		RW35	030	MAP	TF		FO	0.3	348.7 (355T)	002.1	01713

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EHJAM	040		DF		FO	1.0			04000
	EHJAM	050		HM	R	FO	2.0	168.6 (175T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LNK	N405525.60	W0964431.23	N4055.427	W09644.521
	BRADY	N405643.03	W0975945.01	N4056.717	W09759.750
	EHJAM	N410506.98	W0973846.16	N4105.116	W09738.769
	GUBEZ	N405117.70	W0973703.44	N4051.295	W09737.057
	OZYAK	N404829.30	W0973642.69	N4048.488	W09736.712
	ROMAD	N403844.24	W0981313.48	N4038.737	W09813.225
	SIBGE	N403718.92	W0972752.50	N4037.315	W09727.875
	VACUS	N402848.88	W0965630.89	N4028.815	W09656.515
	WEDPI	N404157.56	W0974230.72	N4041.959	W09742.512
	WIVFO	N404225.68	W0973558.00	N4042.428	W09735.967
	RW35	N405323.23	W0973718.92	N4053.387	W09737.315

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH

QUALITY
1
CHECKED

CITY AND STATE YORK, NE	ELEVATION: 1670 TDZE: 1670	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: YORK MUNI			AMDT: ORIG
	DATED: 04/13/2006			

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

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RW35 01668 45

QUALITY
1
CHECKED

CITY AND STATE

YORK, NE

ELEVATION: 1670 TDZE: 1670

AIRPORT NAME:

YORK MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG

DATED: 04/13/2006

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 5, 23 NA – ENVIRONMENTAL.
RWY 17, 35 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 35, CATENARY BEGINNING 1290' FROM DER, 467' RIGHT OF CENTERLINE, UP TO 79' AGL/1719' MSL. POLE 1396' FROM DER, 220' LEFT OF CENTERLINE, 55' AGL/1700' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
9
CHECKED

(5) City, State

YORK, NE

(6) Airport

YORK MUNI

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

1

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
EUG VORTAC	NIBPI (FO)	157.48 / 17.37	4000	LPV: DA LNAV/VNAV: DA LNAV: RW34R
VAUGN	NIBPI (FO)	104.90 / 13.13	4100	
CHEEZ	PEBIC (FB)	270.55 / 6.71	5400	CLIMB TO 3000 DIRECT KIBKE AND VIA TRACK 002.73 TO ALFOR AND HOLD.
PEBIC (IAF)	NIBPI (NOPT) (FB)	274.75 / 5.41	4000	
CURTI (IAF)	NIBPI (NOPT) (FB)	324.29 / 8.78	4000	ADDITIONAL FLIGHT DATA: HOLD N, LT, 176.19 INBOUND. CHART FAS OBST: 470 TREE 440649N/1231153W CHART FAS OBST: 494 ATCT 440703N/1231246W DISTANCE TO THLD FROM 284 HAT: 0.74 NM. CHART VDP AT 1.06 MILES TO RW34R* *LNAV ONLY. WAAS CHANNEL # 81900 REFERENCE PATH ID: W34B CHART 1019 TREE 440150N/1231227W
DRAIN (IAF)	NIBPI (NOPT) (FB)	004.15 / 11.37	4000	
NIBPI (IF/IAF)	SEYOK (FB)	340.39 / 6.88	2900	
SEYOK	WUDGA (FB)	340.39 / 5.02	2100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S NIBPI, RT, 340.39 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
- FAC: 340.39 FAF: WUDGA DIST FAF TO MAP: 5.18 THLD: 5.18
- MIN. ALT: NIBPI 4000, SEYOK 2900, WUDGA 2100, JUGIX/2.00 NM TO RW34R 1060*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2100 GS ALT AT: WUDGA OM: MM: IM:
- GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR
- MSA FROM: RW34R 5900

MAG VAR: 19E

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:	X	STANDARD	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		658	1	284	658	1	284	658	1	284	658	1	284			
LNAV/VNAV DA		796	1 1/2	422	796	1 1/2	422	796	1 1/2	422	796	1 1/2	422			
LNAV MDA		760	1	386	760	1	386	760	1	386	760	1 1/4	386			
CIRCLING		800	1	426	840	1	466	840	1 1/2	466	940	2	566			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
CHART NOTE: DME/DME RNP-0.3 NA.
*LNAV ONLY

QUALITY
5
CHECKED

CITY AND STATE EUGENE, OR	ELEVATION: 374 TDZE: 374 AIRPORT NAME: MAHLON SWEET FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34R, ORIG-A 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED 04/13/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KEUG
RUNWAY	RW34R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34B
LTP/FTP LATITUDE	440659.4590N
LTP/FTP LONGITUDE	1231208.9490W
LTP/FTP ELLIPSOIDAL HEIGHT	+00908
FPAP LATITUDE	440828.5600N
FPAP LONGITUDE	1231210.2700W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	BC5841E9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+01139
FPAP ORTHOMETRIC HEIGHT	+01139

QUALITY
5
CHECKED

CITY AND STATE EUGENE, OR	ELEVATION: 374 TDZE: 374 AIRPORT NAME: MAHLON SWEET FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34R, ORIG-A 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED: 04/13/2006

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]

QUALITY
CHECKED

CITY AND STATE EUGENE, OR	ELEVATION: 374 TDZE: 374	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34R, ORIG-A 27 AUG 2009	SUP:	
	AIRPORT NAME:			AMDT:	ORIG
	MAHLON SWEET FIELD			DATED:	04/13/2006

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]

QUALITY
CHECKED

SUP:	
AMDT:	ORIG
DATED:	04/13/2006

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CHEEZ	CHEEZ	010		IF		FB				
	CHEEZ	PEBIC	020	IAF	TF		FB	2.0	270.6 (290T)	006.7	05400
	CHEEZ	NIBPI	030		TF		FB	1.0	274.8 (294T)	005.4	04000
	CURTI	CURTI	010	IAF	IF		FB				
	CURTI	NIBPI	020		TF		FB	1.0	324.3 (343T)	008.8	04000
	DRAIN	DRAIN	010	IAF	IF		FB				
	DRAIN	NIBPI	020		TF		FB	1.0	004.2 (023T)	011.4	04000
	EUG	EUG	010		IF		FB				
	EUG	NIBPI	020		TF		FO	2.0	157.5 (177T)	017.4	04000
	EUG	NIBPI	030	IAF	HF	R	FO		340.4 (359T)	005.0	04000
	VAUGN	VAUGN	010		IF		FB				
	VAUGN	NIBPI	020		TF		FO	2.0	104.9 (124T)	013.1	04100
	VAUGN	NIBPI	030	IAF	HF	R	FO		340.4 (359T)	005.0	04000
		NIBPI	010	FACF	IF		FB				04000
		SEYOK	011	SDF	TF		FB	0.5	340.4 (359T)	006.9	02900
		WUDGA	020	FAF	TF		FB	0.5	340.4 (359T)	005.0	02100
		JUGIX	021	SDF	TF		FB	0.3	340.4 (359T)	003.2	0106001065
		RW34R	030	MAP	TF		FO	0.3	340.4 (359T)	002.0	00424

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KIBKE	040		DF		FB	1.0			
	ALFOR	050		TF		FO	1.0	002.7 (022T)		03000
	ALFOR	060		HM	L	FO	2.0	176.2 (195T)	005.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EUG	N440715.24	W1231322.19	N4407.254	W12313.370
	ALFOR	N441829.73	W1230907.18	N4418.496	W12309.120
	CHEEZ	N434529.71	W1225619.54	N4345.495	W12256.326
	CURTI	N434129.98	W1230824.51	N4341.500	W12308.409
	DRAIN	N433927.48	W1231804.23	N4339.458	W12318.071
	JUGIX	N440459.48	W1231207.06	N4404.991	W12312.118
	KIBKE	N441252.99	W1231214.07	N4412.883	W12312.235
	NIBPI	N434954.66	W1231153.76	N4349.911	W12311.896
	PEBIC	N434744.08	W1230503.22	N4347.735	W12305.054
	SEYOK	N435647.48	W1231159.81	N4356.791	W12311.997
	VAUGN	N435715.22	W1232657.26	N4357.254	W12326.954
	WUDGA	N440148.39	W1231204.24	N4401.807	W12312.071
	RW34R	N440659.46	W1231208.95	N4406.991	W12312.149

QUALITY
1CITY AND STATE
EUGENE, ORELEVATION: 374 TDZE: 374
AIRPORT NAME:
MAHLON SWEET FIELDFACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 34R, ORIG-A
27 AUG 2009SUP:
AMDT: ORIG
DATED: 04/13/2006

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

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RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW34R	00374	50

QUALITY
2 1 0

CITY AND STATE
EUGENE, OR

ELEVATION: 374 TDZE: 374
AIRPORT NAME:
MAHLON SWEET FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 34R, ORIG-A
27 AUG 2009

SUP:
AMDT: ORIG
DATED: 04/13/2006

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH					
FROM	TO	COURSE AND DISTANCE	ALTITUDE						
MXE VORTAC (IAF)	QWEST (FB)	152.05 / 8.39	4000&	LPV: DA LNAV/VNAV: DA LNAV: RW09L CLIMB TO 3000 DIRECT JALTO AND RIGHT TURN VIA TRACK 189.36 TO ZURKU AND VIA TRACK 251.50 TO OOD VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 032.28 INBOUND. CHART FAS OBST: 112 ASR 395133N/0751600W CHART FAS OBST: 185 TANK 395148N/0751733W CHART 423 BRIDGE 394948N/0752226W. DISTANCE TO THLD FROM 250 HAT: 0.60 NM. CHART VDP AT 1.12 MILES TO RW09L* *LNAV ONLY. WAAS CHANNEL # 45523 REFERENCE PATH ID: W09B					
DQO VORTAC (IAF)	QWEST (FB)	025.93 / 8.07	4000&						
QWEST (IF)	OBEKE (FB)	085.27 / 3.88	3000						
OBEKE	ANNET (FB)	085.32 / 4.36	2100						
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT QWEST 3. FAC: <u>085.39</u> FAF: <u>ANNET</u> DIST FAF TO MAP: <u>6.26</u> THLD: <u>6.26</u> 4. MIN. ALT: <u>QWEST 4000&, OBEKE 3000, ANNET 2100, LANDI/2.20 NM TO RW09L 760*</u> 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>3.00</u> TCH: <u>57.8</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW09L 2600</u>				MAG VAR: 10W EPOCH YEAR: 1980					
MINIMUMS									
TAKEOFF: <u> </u>		STANDARD	X	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
LPV DA	263	2400	250	263	2400	250	263	2400	250
LNAV/VNAV DA	471	5000	458	471	5000	458	471	5000	458
LNAV MDA	440	2400	427	440	2400	427	440	5000	427
CIRCLING	540	1	504	640	1	604	640	1 3/4	604
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. *LNAV ONLY SEE 8260-10									
CITY AND STATE		ELEVATION: 36 TDZE: 13		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP: RNAV (GPS) RWY	
PHILADELPHIA, PA		AIRPORT NAME:		RNAV		RNAV (GPS) Y RWY 9L, AMDT 1A		9L	
		PHILADELPHIA INTL				27 AUG 2009		AMDT: 1	
								DATED 10/27/2005	

QUALITY
CHECKED

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DQO VORTAC AIRWAY RADIALS 053 CW 080.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MXE VORTAC AIRWAY RADIALS 129 CW 177.

&3000 WHEN AUTHORIZED BY ATC.

QUALITY
CHECKED

CITY AND STATE

PHILADELPHIA, PA

ELEVATION: 36

TDZE: 13

AIRPORT NAME:

PHILADELPHIA INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 9L, AMDT 1A

27 AUG 2009

SUP: RNAV (GPS) RWY
9L

AMDT: 1

DATED: 10/27/2005

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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 KPHL
RUNWAY RW09L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W09B
LTP/FTP LATITUDE 395207.2555N
LTP/FTP LONGITUDE 0751520.3905W
LTP/FTP ELLIPSOIDAL HEIGHT -00289
FPAP LATITUDE 395230.9200N
FPAP LONGITUDE 0751321.8200W
THRESHOLD CROSSING HEIGHT (TCH) 00057.8
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0016
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

95C8B672

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00040
FPAP ORTHOMETRIC HEIGHT +00040

QUALITY
A
CHECKED

CITY AND STATE PHILADELPHIA, PA	ELEVATION: 36 TDZE: 13 AIRPORT NAME: PHILADELPHIA INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 9L, AMDT 1A 27 AUG 2009	SUP: RNAV (GPS) RWY 9L AMDT: 1 DATED: 10/27/2005

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KPHLK6FR09LY	ADQO	010DQO	K6D 0V	A	IF				18000		A JS	
SUSAP	KPHLK6FR09LY	ADQO	020QWESTK6EA0EE	010TF			02590081	+A04000				A JS	
SUSAP	KPHLK6FR09LY	AMXE	010MXE	K6D 0V	A	IF				18000		A JS	
SUSAP	KPHLK6FR09LY	AMXE	020QWESTK6EA0EE	010TF			15210084	+A04000				A JS	
SUSAP	KPHLK6FR09LY	R	010QWESTK6EA0E	I	IF			+ 04000		18000		A JS	
SUSAP	KPHLK6FR09LY	R	0110BEKEK6EA0E	S	051TF		08530039	+ 03000				A JS	
SUSAP	KPHLK6FR09LY	R	020ANNETK6EA1E	F	051TF		08530044	+ 02100			RW09L K6PGA	JS	
SUSAP	KPHLK6FR09LY	R	020ANNETK6EA2WALPV			ALNAV/VNAV						JS	
SUSAP	KPHLK6FR09LY	R	021LANDIK6EA0E	S	031TF		08540041	V 0076000777		-300		A JS	
SUSAP	KPHLK6FR09LY	R	030RW09LK6PG0GY	M	031TF		08540022	00071		-300		A JS	
SUSAP	KPHLK6FR09LY	R	040JALTOK6EA0E	M	010DF							A JS	
SUSAP	KPHLK6FR09LY	R	050ZURKUK6EA0E	R	010TFY		1894					A JS	
SUSAP	KPHLK6FR09LY	R	060OOD	K6D 0VY	010TF		2515	+ 03000				A JS	
SUSAP	KPHLK6FR09LY	R	070OOD	K6D 0VE	L020HM		03230040	+ 03000				A JS	

QUALITY
CHECKED

SUP:	RNAV (GPS) RWY 9L
AMDT:	1
DATED:	10/27/2005

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

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

SUSAP	KPHLK6GRW09L	0095000855	N39520726W075152039+0000											-00289000130000581501
	1	2	3	4	5	6	7	8	9	0	1	2	3	
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													

SUSAP	KPHLK6PR09LY	RW09L001Y00000W09B0N3952072555W07515203905-											002890300N3952309200W07513218200106750016000578F40050095C8B672	
SUSAP	KPHLK6PR09LY	RW09L002E	+00040+00040L	45523										
	1	2	3	4	5	6	7	8	9	0	1	2	3	
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012													

SUSAP	KPHLK6SRW09LK6PG	0	18018002625										M	

QUALITY
1
CHECKED

CITY AND STATE PHILADELPHIA, PA	ELEVATION: 36 TDZE: 13	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 9L, AMDT 1A 27 AUG 2009	SUP: RNAV (GPS) RWY 9L
	AIRPORT NAME: PHILADELPHIA INTL			AMDT: 1
				DATED: 10/27/2005

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DQO	DQO	010	IAF	IF		FB				
	DQO	QWEST	020		TF		FB	1.0	025.9 (016T)	008.1	04000
	MXE	MXE	010	IAF	IF		FB				
	MXE	QWEST	020		TF		FB	1.0	152.1 (142T)	008.4	04000
		QWEST	010	FACF	IF		FB				04000
		OBEKE	011	SDF	TF		FB	0.5	085.3 (075T)	003.9	03000
		ANNET	020	FAF	TF		FB	0.5	085.3 (075T)	004.4	02100
		LANDI	021	SDF	TF		FB	0.3	085.4 (075T)	004.1	0076000777
		RW09L	030	MAP	TF		FO	0.3	085.4 (075T)	002.2	00071

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JALTO	040		DF		FB	1.0			
	ZURKU	050		TF	R	FB	1.0	189.4 (179T)		
	OOD	060		TF		FO	1.0	251.5 (242T)		03000
	OOD	070		HM	L	FO	2.0	032.3 (022T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DQO	N394041.30	W0753625.49	N3940.688	W07536.425
	MXE	N395504.99	W0754014.87	N3955.083	W07540.248
	OOD	N393809.71	W0751810.88	N3938.162	W07518.181
	ANNET	N395032.65	W0752312.61	N3950.544	W07523.210
	JALTO	N395404.92	W0750528.54	N3954.082	W07505.476
	LANDI	N395134.08	W0751806.32	N3951.568	W07518.105
	OBEKE	N394926.46	W0752840.90	N3949.441	W07528.682
	QWEST	N394827.35	W0753333.01	N3948.456	W07533.550
	ZURKU	N394334.28	W0750519.40	N3943.571	W07505.323
	RW09L	N395207.26	W0751520.39	N3952.121	W07515.340

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW09L	00013		58

QUALITY
1
CHECKED

CITY AND STATE PHILADELPHIA, PA	ELEVATION: 36 TDZE: 13	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 9L, AMDT 1A 27 AUG 2009	SUP: RNAV (GPS) RWY 9L
	AIRPORT NAME: PHILADELPHIA INTL			AMDT: 1
				DATED: 10/27/2005

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
MXE VORTAC (IAF)	BWINE (FB)	152.81 / 8.59	4000&	LPV: DA LNAV/VNAV: DA LNAV: RW09R CLIMB TO 3000 DIRECT FENOR AND RIGHT TURN VIA TRACK 180.02 TO ZURKU AND VIA TRACK 251.50 TO OOD VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 032.28 INBOUND. CHART FAS OBST: 185 TANK 395148N/0751733W CHART FAS OBST: 270 PLANT 395130N/0751928W DISTANCE TO THLD FROM 250 HAT: 0.61 NM. CHART VDP AT 1.58 MILES TO RW09R* *LNAV ONLY. WAAS CHANNEL # 40023 REFERENCE PATH ID: W09A											
DQO VORTAC (IAF)	BWINE (FB)	026.60 / 7.86	4000&												
BWINE (IF)	ASOCI (FB)	085.29 / 3.91	3000												
ASOCI	KELEE (FB)	085.34 / 4.30	1800												
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT BWINE 3. FAC: <u>085.40</u> FAF: KELEE DIST FAF TO MAP: <u>5.33</u> THLD: <u>5.33</u> 4. MIN. ALT: <u>BWINE 4000&, ASOCI 3000, KELEE 1800, BALDN/2.30 NM TO RW09R 800*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>KELEE</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>57.6</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW09R 2600</u>				MAG VAR: 10W EPOCH YEAR: 1980											
MINIMUMS															
TAKEOFF: <u> </u> STANDARD <u>X</u> SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A											
CATEGORY =====>				STANDARD											
	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	271	2400	250	271	2400	250	271	2400	250	271	2400	250			
LNAV/VNAV DA	473	5000	452	473	5000	452	473	5000	452	473	5000	452			
LNAV MDA	580	2400	559	580	2400	559	580	5000	559	580	6000	559			
CIRCLING	580	1	544	640	1	604	640	1 3/4	604	640	2	604			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F). CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DQO VORTAC AIRWAY RADIALS 053 CW 080. SEE 8260-10															
CITY AND STATE		ELEVATION: 36 TDZE: 21		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP: RNAV (GPS) RWY		AMDT:		DATED			
PHILADELPHIA, PA		AIRPORT NAME: PHILADELPHIA INTL		RNAV		RNAV (GPS) Y RWY 9R, AMDT 2A 27 AUG 2009		9R		2		10/27/2005			

QUALITY
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MXE VORTAC AIRWAY RADIALS 129 CW 177.
&3000 WHEN AUTHORIZED BY ATC**

QUALITY
4
CHECKED

CITY AND STATE
PHILADELPHIA, PA

ELEVATION: 36 TDZE: 21
AIRPORT NAME:
PHILADELPHIA INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 9R, AMDT 2A
27 AUG 2009

SUP: RNAV (GPS) RWY
9R
AMDT: 2
DATED: 10/27/2005

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPHL
RUNWAY	RW09R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	395138.9175N
LTP/FTP LONGITUDE	0751630.6995W
LTP/FTP ELLIPSOIDAL HEIGHT	-00268
FPAP LATITUDE	395204.9500N
FPAP LONGITUDE	0751420.2700W
THRESHOLD CROSSING HEIGHT (TCH)	00057.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

AE162E93

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00062
FPAP ORTHOMETRIC HEIGHT	+00062

QUALITY
A
CHECKED

CITY AND STATE
PHILADELPHIA, PA

ELEVATION: 36 TDZE: 21
AIRPORT NAME:
PHILADELPHIA INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 9R, AMDT 2A
27 AUG 2009

SUP: RNAV (GPS) RWY 9R
AMDT: 2
DATED: 10/27/2005

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KPHLK6FR09RY	ADQO	010DQO	K6D 0V	A	IF				18000		A JS	
SUSAP	KPHLK6FR09RY	ADQO	020BWINEK6EA0EE	010TF			02660079	+A04000				A JS	
SUSAP	KPHLK6FR09RY	AMXE	010MXE	K6D 0V	A	IF				18000		A JS	
SUSAP	KPHLK6FR09RY	AMXE	020BWINEK6EA0EE	010TF			15280086	+A04000				A JS	
SUSAP	KPHLK6FR09RY	R	010BWINEK6EA0E	I	IF			+ 04000		18000		A JS	
SUSAP	KPHLK6FR09RY	R	011ASOCIK6EA0E	S	051TF		08530039	+ 03000				A JS	
SUSAP	KPHLK6FR09RY	R	020KELEEK6EA1E	F	051TF		08530043	+ 01800			RW09R K6PGA	JS	
SUSAP	KPHLK6FR09RY	R	020KELEEK6EA2WALPV			ALNAV/VNAV ALNAV						JS	
SUSAP	KPHLK6FR09RY	R	021BALDNK6EA0E	S	031TF		08540030	V 0080000816		-300		A JS	
SUSAP	KPHLK6FR09RY	R	030RW09RK6PG0GY	M	031TF		08540023	00078		-300		A JS	
SUSAP	KPHLK6FR09RY	R	040FENORK6EA0E	M	010DF							A JS	
SUSAP	KPHLK6FR09RY	R	050ZURKUK6EA0E		R010TFY		1800					A JS	
SUSAP	KPHLK6FR09RY	R	060OOD	K6D 0VY	010TF		2515	+ 03000				A JS	
SUSAP	KPHLK6FR09RY	R	070OOD	K6D 0VE	L020HM		03230040	+ 03000				A JS	

QUALITY
CHECKED

CITY AND STATE PHILADELPHIA, PA	ELEVATION: 36 TDZE: 21 AIRPORT NAME: PHILADELPHIA INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 9R, AMDT 2A 27 AUG 2009	SUP: RNAV (GPS) RWY 9R
				AMDT: 2
				DATED: 10/27/2005

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP	KPHLK6GRW09R	0105060855	N39513892W075163070-0100	-0026800020000058200I									
	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP	KPHLK6PR09RY	RW09R001Y0000W09A0N3951389175W07516306995-002680300N3952049500W07514202700106500000000576F400500AE162E93											
SUSAP	KPHLK6PR09RY	RW09R002E	+00062+00062LPV	40023									
	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP	KPHLK6SRW09RK6PG	0	18018002625	M									

QUALITY
1
CHECKED

CITY AND STATE

PHILADELPHIA, PA

ELEVATION: 36 TDZE: 21

AIRPORT NAME:

PHILADELPHIA INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 9R, AMDT 2A

27 AUG 2009

SUP: RNAV (GPS) RWY
9R

AMDT: 2

DATED: 10/27/2005

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DQO	DQO	010	IAF	IF		FB				
	DQO	BWINE	020		TF		FB	1.0	026.6 (017T)	007.9	04000
	MXE	MXE	010	IAF	IF		FB				
	MXE	BWINE	020		TF		FB	1.0	152.8 (143T)	008.6	04000
		BWINE	010	FACF	IF		FB				04000
		ASOCI	011	SDF	TF		FB	0.5	085.3 (075T)	003.9	03000
		KELEE	020	FAF	TF		FB	0.5	085.3 (075T)	004.3	01800
		BALDN	021	SDF	TF		FB	0.3	085.4 (075T)	003.0	0080000816
		RW09R	030	MAP	TF		FO	0.3	085.4 (075T)	002.3	00078

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FENOR	040		DF		FB	1.0			
	ZURKU	050		TF	R	FB	1.0	180.0 (170T)		
	OOD	060		TF		FO	1.0	251.5 (242T)		03000
	OOD	070		HM	L	FO	2.0	032.3 (022T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DQO	N394041.30	W0753625.49	N3940.688	W07536.425
	MXE	N395504.99	W0754014.87	N3955.083	W07540.248
	OOD	N393809.71	W0751810.88	N3938.162	W07518.181
	ASOCI	N394913.25	W0752836.42	N3949.221	W07528.607
	BALDN	N395104.23	W0751924.16	N3951.071	W07519.403
	BWINE	N394813.79	W0753330.61	N3948.230	W07533.510
	FENOR	N395325.69	W0750734.19	N3953.428	W07507.570
	KELEE	N395018.45	W0752312.50	N3950.308	W07523.208
	ZURKU	N394334.28	W0750519.40	N3943.571	W07505.323
	RW09R	N395138.92	W0751630.70	N3951.649	W07516.512

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW09R	00020		58

QUALITY
CHECKED

CITY AND STATE
PHILADELPHIA, PA

ELEVATION: 36 TDZE: 21
 AIRPORT NAME:
 PHILADELPHIA INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) Y RWY 9R, AMDT 2A
 27 AUG 2009

SUP: RNAV (GPS) RWY 9R
 AMDT: 2
 DATED: 10/27/2005

U.S. 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	MAP: DA
DGO VORTAC (IAF)(40V)(43A)	DUWEE (TF)(FB)(40E) (RNP 1.00)	052.33 / 5.58	4000	
DUWEE (40E)	CHETM (TF)(FB)(40E)(41E) (RNP 1.00)	052.39 / 4.40	3000	CLIMB TO 3000 VIA TRACK 085.47 TO CUBUT, AND VIA TRACK 170.82 TO FIDAX, AND VIA TRACK 256.82 TO OOD VORTAC AND HOLD.
CHETM (IF)(40E)(43I)	HEPKA (TF)(FB)(40E)(43F) (RNP 1.00)	070.68 / 6.00	1500	
HEPKA (FAF)(40E)(43F)	RW09L (TF)(FO)(40G)(41Y)(43M)	085.41 / 4.43		ADDITIONAL FLIGHT DATA: HOLD SW, LT, 032.28 INBOUND CHART FAS OBST: 72 DE-ICER 395152N/0751604W 112 ASR ANT 395133N/0751600W DISTANCE TO THLD FROM 303 HAT: 0.77 NM
RW09L (MAP)(40G)(41Y)(43M)	CUBUT (TF)(FB)(40E)(42M) (RNP 1.00)	085.47 / 11.25		
CUBUT (40E)(42M)	FIDAX (TF)(FB)(40E)(RNP 1.00)	170.82 / 10.23		
FIDAX (40E)	OOD VORTAC (TF)(FO)(40E)(41Y) (43H)(RNP 1.00)	256.82 / 17.94	3000	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT CHETM
3. FAC: 085.41 FAF: DIST FAF TO MAP: THLD:
4. MIN. ALT: CHETM 3000
5. DIST TO THLD FROM OM: 4.43 MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1500 GS ALT AT: HEPKA 1500 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 57.8# 34:1 IS CLEAR
8. MSA FROM: RW09L 2600

ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
TCH 71.0 MSL (DO NOT CHART)

MAG VAR: 10W EPOCH YEAR: 1980

MINIMUMS

TAKEOFF:		STANDARD	X	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

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED

RNP 0.11 DA	316	2400	303	316	2400	303	316	2400	303	316	2400	303			
RNP 0.30 DA	394	4000	381	394	4000	381	394	4000	381	394	4000	381			

NOTES: CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (10F) OR ABOVE 48C (119F). CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.11 VISIBILITY ALL CATS TO RVR 5000 AND RNP 0.30 VISIBILITY ALL CATS TO RVR 6000. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DGO VORTAC ON AIRWAY RADIALS 053 CW 080.

QUALITY
7
CHECKED

CITY AND STATE	ELEVATION: <u>36</u> TDZE: <u>13</u>	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
<u>PHILADELPHIA, PA</u>	AIRPORT NAME: <u>PHILADELPHIA INTL</u>	<u>RNAV</u>	<u>27 AUG 2009</u> <u>RNAV (RNP) Z RWY 9L, ORIG</u>	AMDT: <u>NONE</u>
				DATE

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES TITLE 14 CFR PART 97.33

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ARINC FLIGHT INSPECTION SUMMARY-VERSION 424-18

ROUTES TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
DQO VORTAC	DQO VORTAC	010	IAF	IF		FB				
DQO VORTAC	DUWEE	020	SDF	TF		FB	1.0	052.3 (042T)	005.6	04000
DQO VORTAC	CHETM	030	IF	TF		FB	1.0	052.4 (042T)	004.4	03000
	CHETM	010	FACF	IF		FB				03000
	HEPKA	020	FAF	TF		FB	1.0	070.7 (061T)	006.0	01500
	RW09L	030	MAP	TF		FO	0.3	085.4 (075T)	004.4	00071 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CUBUT	040		TF		FB	1.0	085.5 (076T)	011.3	
	FIDAX	050		TF		FB	1.0	170.8 (161T)	010.2	
	OOD VORTAC	060		TF		FO	1.0	256.8 (247T)	017.9	3000
	OOD VORTAC	070		HM	L	FO	2.0	032.3 (022T)	004.0	3000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CHETM	394804.21N	0752742.05W	3948.070N	07527.701W
	CUBUT	395455.88N	0750111.17W	3954.931N	07501.186W
	DQO VORTAC	394041.30N	0753625.49W	3940.688N	07536.425W
	DUWEE	394449.13N	0753132.98W	3944.819N	07531.550W
	FIDAX	394515.87N	0745649.75W	3945.265N	07456.829W
	OOD VORTAC	393809.71N	0751810.88W	3938.162N	07518.181W
	RW09L	395207.26N	0751520.39W	3952.121N	07515.340W

RUNWAY DATA	RWY	THLD ELEV	TCH
	09L	13	58

QUALITY
7
CHECKED

CITY AND STATE

PHILADELPHIA, PA

ELEVATION:

36 TDZE:

13

AIRPORT NAME:

PHILADELPHIA INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

27 AUG 2009

RNAV (RNP) Z RWY 9L, ORIG

SUP:

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	MAP: DA CLIMB TO 3000 VIA TRACK 085.47 TO ASGEW, AND VIA TRACK 166.80 TO CIPOK, AND VIA TRACK 256.66 TO OOD VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 032.28 INBOUND CHART FAS OBST: 185 TANK 395148N/0751733W DISTANCE TO THLD FROM 250 HAT: 0.61 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S # TCH 77.9 MSL (DO NOT CHART)									
DQO VORTAC (IAF)(40V)(43A)	DUWEE (TF)(FB)(40E) (RNP 1.00)	052.33 / 5.58	4000										
DUWEE (40E)	CHETM (TF)(FB)(40E)(41E) (RNP 1.00)	052.39 / 4.40	3000										
CHETM (IF)(40E)(43I)	ANDHW (TF)(FB)(40E)(43F) (RNP 1.00)	070.41 / 5.00	1500										
ANDHW (FAF)(40E)(43F)	RW09R (TF)(FO)(40G)(41Y)(43M)	085.41 / 4.41											
RW09R (MAP)(40G)(41Y)(43M)	ASGEW (TF)(FB)(40E)(42M) (RNP 1.00)	085.47 / 10.20											
ASGEW (40E)(42M)	CIPOK (TF)(FB)(40E)(RNP 1.00)	166.80 / 10.24											
CIPOK (40E)	OOD VORTAC (TF)(FO)(40E)(41Y) (43H)(RNP 1.00)	256.66 / 16.61	3000										
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT CHETM 3. FAC: 085.41 FAF: DIST FAF TO MAP: THLD: 4. MIN. ALT: CHETM 3000 5. DIST TO THLD FROM OM: 4.41 MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 1500 GS ALT AT: ANDHW 1500 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 57.6# 34:1 IS NOT CLEAR 8. MSA FROM: RW09R 2600				MINIMUMS									
TAKEOFF: STANDARD X 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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED													
RNP 0.16 DA	271	4000	250	271	4000	250	271	4000	250	271	4000	250	
RNP 0.30 DA	460	5000	439	460	5000	439	460	5000	439	460	5000	439	
NOTES: CHART NOTE: GPS REQUIRED. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSEMS, PROCEDURE NA BELOW -12C (10F) OR ABOVE 48C (119F). CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.30 VISIBILITY ALL CATS TO 1 1/2. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DQO VORTAC ON AIRWAY RADIALS 053 CW 080.													
CITY AND STATE PHILADELPHIA, PA		ELEVATION: 36 TDZE: 21		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 27 AUG 2009 RNAV (RNP) Z RWY 9R, ORIG				SUP:			
		AIRPORT NAME: PHILADELPHIA INTL								AMDT: NONE			
		DATE											

QUALITY
 7
 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV

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 FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG	TRUE	DISTANCE	ALTITUDE
DQO VORTAC	DQO VORTAC	010	IAF	F		FB					
DQO VORTAC	DUWEE	020	SDF	TF		FB	1.0	052.3	(042T)	005.6	04000
DQO VORTAC	CHETM	030	IF	TF		FB	1.0	052.4	(042T)	004.4	03000
	CHETM	010	FACF	F		FB					03000
	ANDHW	020	FAF	TF		FB	1.0	070.4	(060T)	005.0	01500
	RW09R	030	MAP	TF		FO	0.3	085.4	(075T)	004.4	00078 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG	TRUE	DISTANCE	ALTITUDE
	ASGEW	040		TF		FB	1.0	085.5	(076T)	010.2	
	CIPOK	050		TF		FB	1.0	166.8	(157T)	010.2	
	OOD VORTAC	060		TF		FO	1.0	256.7	(247T)	016.6	3000
	OOD VORTAC	070		HM	L	FO	2.0	032.3	(022T)	004.0	3000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANDHW	395032.33N	0752203.36W	3950.539N	07522.056W
	ASGEW	395411.93N	0750340.59W	3954.199N	07503.677W
	CHETM	394804.21N	0752742.05W	3948.070N	07527.701W
	CIPOK	394446.38N	0745826.67W	3944.773N	07458.445W
	DQO VORTAC	394041.30N	0753625.49W	3940.688N	07536.425W
	DUWEE	394449.13N	0753132.98W	3944.819N	07531.550W
	OOD VORTAC	393809.71N	0751810.88W	3938.162N	07518.181W
	RW09R	395138.92N	0751630.70W	3951.649N	07516.512W

RUNWAY DATA	RWY	THLD ELEV	TCH
	09R	20	58

QUALITY
7
CHECKED

CITY AND STATE PHILADELPHIA, PA	ELEVATION: 36 TDZE: 21	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 27 AUG 2009 RNAV (RNP) Z RWY 9R, ORIG	SUP:
	AIRPORT NAME: PHILADELPHIA INTL			AMDT: NONE
	DATED:			

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW04 CLIMBING LEFT TURN TO 2000 DIRECT HONAP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 155.03 INBOUND. CHART FAS OBST: 140 TOWER 324048N/0800114W CHART 505 TOWER 323957N/0800310W. CHART BEAUFORT 1, 2 MOA CHART W-74, W-133, W-134 AVEGE TO RW04: 3.04/40											
HONAP (IAF)	COSOM (FB)	155.03 / 6.25	1700												
COSOM (IF)	AVEGE (FB)	065.60 / 6.00	1700												
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT COSOM 3. FAC: <u>037.17</u> FAF: <u>AVEGE</u> DIST FAF TO MAP: <u>5.11</u> THLD: <u>5.11</u> 4. MIN. ALT: <u>COSOM 1700, AVEGE 1700, CUDUL/2.20 NM TO RW04 740</u> 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 IS CLEAR</u> 8. MSA FROM: <u>RW04 3100</u>				MAG VAR: <u>5W</u> EPOCH YEAR: <u>1985</u>											
MINIMUMS															
TAKEOFF:	STANDARD	X	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	420	1	407	420	1	407	420	1 1/4	407	420	1 1/4	407			
CIRCLING	440	1	423	480	1	463	480	1 1/2	463	580	2	563			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLESTON AFB/INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, INCREASE LNAV CAT D VISIBILITY 1/4 MILE. CHART PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT.															
CITY AND STATE		ELEVATION: 17 TDZE: 13		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
CHARLESTON, SC		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 4, ORIG				AMDT: NONE					
		CHARLESTON EXECUTIVE				27 AUG 2009				DATED					

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PAGE 2 OF 3 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HONAP	HONAP	010	IAF	IF		FB				
	HONAP	COSOM	020		TF		FB	1.0	155.0(150T)	006.3	01700
		COSOM	010	FACE	IF		FB				01700
		AVEGE	020	PAF	TF		FB	0.5	065.6(061T)	006.0	01700
		CUDUL	021	SDF	TF		FB	0.3	037.2(032T)	002.9	0074000755
		RW04	030	MAP	TF		FO	0.3	037.2(032T)	002.2	00050

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HONAP	040		DF	L	FO	1.0			02000
	HONAP	050		HM	R	FO	2.0	155.0(150T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AVEGE	N323708.06	W0800334.40	N3237.134	W08003.573
	COSOM	N323411.04	W0800945.99	N3234.184	W08009.767
	CUDUL	N323936.05	W0800144.35	N3239.601	W08001.739
	HONAP	N323936.74	W0801327.78	N3239.612	W08013.463
	RW04	N324128.03	W0800020.99	N3241.467	W08000.350

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00010	40

CITY AND STATE
CHARLESTON, SC

ELEVATION: 17 TDZE: 13
 AIRPORT NAME:
CHARLESTON EXECUTIVE

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 4, ORIG
27 AUG 2009

SUP:
 AMDT: **NONE**
 DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS 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.									
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: ☐ STANDARD ☐ SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: NA ☐									
CATEGORY >>>>>		A			B			C			D			E					
	MDA	VIS	HAT/HAA		MDA	VIS	HAT/HAA		MDA	VIS	HAT/HAA		MDA	VIS	HAT/HAA		MDA	VIS	HAT/HAA
NOTES:																			
27 AUG 2009																			
PROCEDURE CANCELED EFFECTIVE _____																			
CITY AND STATE HARTSVILLE, SC				ELEVATION: 364 TDZE: 349 AIRPORT NAME: HARTSVILLE REGIONAL				FACILITY IDENTIFIER: GPS				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 3, ORIG-A, 12/18/2008							
												SUP QUALITY 2 CHECKED AMDT ORIG DATE 05/20/1999							

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS 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.														
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: ☐ STANDARD ☐ 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 _____ 27 AUG 2009																								
CITY AND STATE HARTSVILLE, SC					ELEVATION: 364 TDZE: 364 AIRPORT NAME: HARTSVILLE REGIONAL					FACILITY IDENTIFIER: GPS					PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 21, ORIG-A, 12/18/2008					SUP AMDT ORIG DATE 05/20/1999				

QUALITY
 2
 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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	MAP: HVS NDB
CTF VOR/DME	HVS NDB	155.21 / 16.50	2100	CLIMB TO 2000 THEN LEFT TURN DIRECT HVS NDB AND HOLD.
FLO VORTAC	HVS NDB	297.46 / 25.24	2000	
CHART INT/FLO 30.41 DME	HVS NDB	023.80 / 20.51	2000	
				ADDITIONAL FLIGHT DATA: HOLD SW. RT. 023.47 INBOUND. CHART FAS OBST: 825 TOWER 342056N/0800551W FAC CROSSES RWY C/L EXTENDED 2995 FROM THLD.

1. PT L SIDE OF COURSE 203.47 OUTBOUND 2000 FT WITHIN 10 MILES OF HVS NDB (IAF)
 2. _____
 3. FAC 023.47 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: HVS NDB 2000

MAG VAR: 7W EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE:	NA	X				
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-3	1000	1	651	1000	1	651	1000	1 3/4	651		NA				
CIRCLING	1000	1	636	1000	1	636	1000	1 3/4	636		NA				

NOTES:
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FLORENCE ALTIMETER SETTING AND INCREASE ALL MDA 100FT, INCREASE S-3 CAT B AND CIRCLING CAT C VISIBILITY 1/4 MILE AND INCREASE S-3 CAT C 1/2 MILE.

CITY AND STATE HARTSVILLE, SC	ELEVATION: 384 TDZE: 349 AIRPORT NAME: HARTSVILLE REGIONAL	FACILITY IDENTIFIER: HVS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 3, AMDT 1 27 AUG 2009	SUP
				AMDT ORIG-A
				DATE 06/11/2008

QUALITY CHECKED
2

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.27					Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except MDT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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: HVS NDB CLIMB TO 2000 THEN RIGHT TURN DIRECT HVS NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 218.31 INBOUND. CHART FAS OBST: 690 TOWER 342627N/0800353W FAC CROSSES RWY C/L EXTENDED 3002 FROM THLD.											
CTF VOR/DME	HVS NDB	155.21 / 16.50	2100												
FLO VORTAC	HVS NDB	297.46 / 25.24	2000												
CHART/FLO 30.41 DME	HVS NDB	023.80 / 20.51	2000												
DUNGY INT/FLO 17.63 DME	HVS NDB	260.15 / 25.04	2000												
1. PT <u>R</u> SIDE OF COURSE <u>038.31</u> OUTBOUND <u>2000</u> FT WITHIN <u>10</u> MILES OF <u>HVS NDB</u> (IAF) 2. _____ 3. FAC <u>218.31</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: <u>HVS NDB 2000</u>					MAG VAR: <u>7W</u> EPOCH YEAR: <u>2000</u>										
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE:	N A	X						
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-21	1040	1	676	1040	1	676	1040	2	676		NA				
CIRCLING	1040	1	676	1040	1	676	1040	2	676		NA				
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FLORENCE ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-21 AND CIRCLING CATS B AND C VISIBILITY 1/4 MILE.															
CITY AND STATE HARTSVILLE, SC		ELEVATION: 364 TDZE: 364 AIRPORT NAME: HARTSVILLE REGIONAL		FACILITY IDENTIFIER: HVS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 21, AMDT 1 27 AUG 2009				SUP					
										AMDT ORIG-A					
										DATE 06/11/2008					

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW03 CLIMBING LEFT TURN TO 2000 DIRECT EFDUK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 119.32 INBOUND. CHART FAS OBST: 572 TOWER 342205N/0800907W CHART VDP AT 1.48 MILES TO RW03. ICEJO TO RW03: 3.04/40.
CTF VOR/DME	EFDUK (FB)	189.85 / 23.32	2100	
FLO VORTAC	UPSIY (FB)	271.86 / 22.75	2000	
UPSIY (IAF)	OLawe (FB)	299.42 / 5.00	2000	
EFDUK (IAF)	OLawe (FB)	119.32 / 5.00	2000	
OLawe (IF)	ICEJO (FB)	029.37 / 6.10	1900	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT OLawe
3. FAC: 029.40 FAF: ICEJO DIST FAF TO MAP: 4.71 THLD: 4.71
4. MIN. ALT: OLawe 2000, ICEJO 1900
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS CLEAR
8. MSA FROM: RW03 2000

MAG VAR: 7W EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	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	840	1	491	840	1	491	840	1 1/4	491		NA					
CIRCLING	840	1	476	840	1	476	840	1 1/2	476		NA					

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FLORENCE ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND LNAV CAT C VISIBILITY 1/4 MILE.
SEE 8260.10

CHECKED
2
QUALITY

CITY AND STATE HARTSVILLE, SC	ELEVATION: 364 TDZE: 349 AIRPORT NAME: HARTSVILLE REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, ORIG 27 AUG 2009	SUP: AMDT: NONE DATED

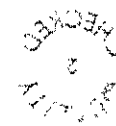
US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CFT VOR/DME VIA V155 NORTHEAST BOUND, AND FOR ARRIVALS ON FLO VORTAC AIRWAY RADIALS 224 CW 255.



CITY AND STATE

HARTSVILLE, SC

ELEVATION: 364 TDZE: 349

AIRPORT NAME:

HARTSVILLE REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) RWY 3, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHVSK7FR03	ACTF	010CTF	K7D 0V	IF					18000			B JS	
SUSAP KHVSK7FR03	ACTF	020EFDUKK7EA0E	A 020TF			18990233	+	02100				B JS	
SUSAP KHVSK7FR03	ACTF	0300LAWEK7EA0EE	010TF			11930050	+	02000				B JS	
SUSAP KHVSK7FR03	AFLO	010FLO	K7D 0V	IF					18000			B JS	
SUSAP KHVSK7FR03	AFLO	020UPSIYK7EA0E	A 020TF			27190228	+	02000				B JS	
SUSAP KHVSK7FR03	AFLO	0300LAWEK7EA0EE	010TF			29940050	+	02000				B JS	
SUSAP KHVSK7FR03	R	0100LAWEK7EA0E	I	IF			+	02000	18000			B JS	
SUSAP KHVSK7FR03	R	020ICEJOK7EA1E	F 051TF			02940061	+	01900			RW03	K7PGB JS	
SUSAP KHVSK7FR03	R	020ICEJOK7EA2WN			N	ALNAV						JS	
SUSAP KHVSK7FR03	R	030RW03	K7PGGGY M 031TF			02940047		00382		-304		B JS	
SUSAP KHVSK7FR03	R	040EFDUKK7EA0EYM	L010DF				+	02000				B JS	
SUSAP KHVSK7FR03	R	050EFDUKK7EA0EE	R020HM			11930040	+	02000				B JS	

[illegible]

QUALITY
1
SUPPORTED

CITY AND STATE HARTSVILLE, SC	ELEVATION: 364 TDZE: 349 AIRPORT NAME: HARTSVILLE REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

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

QUALITY
CHECKED

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CTF	CTF	010		IF		FB				
	CTF	EFDUK	020	IAF	TF		FB	2.0	189.9 (183T)	023.3	02100
	CTF	OLAWZ	030		TF		FB	1.0	119.3 (112T)	005.0	02000
	FLO	FLO	010		IF		FB				
	FLO	UPSIY	020	IAF	TF		FB	2.0	271.9 (265T)	022.8	02000
	FLO	OLAWZ	030		TF		FB	1.0	299.4 (292T)	005.0	02000
		OLAWZ	010	FACF	IF		FB				02000
		ICEJO	020	FAF	TF		FB	0.5	029.4 (022T)	006.1	01900
		RW03	030	MAP	TF		FO	0.3	029.4 (022T)	004.7	00382

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EFDUK	040		DF	L	FO	1.0			02000
	EFDUK	050		HM	R	FO	2.0	119.3 (112T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CTF	N343901.66	W0801629.74	N3439.028	W08016.496
	FLO	N341358.56	W0793925.61	N3413.976	W07939.427
	EFDUK	N341541.75	W0801753.65	N3415.696	W08017.894
	ICEJO	N341926.78	W0800930.60	N3419.446	W08009.510
	OLAWZ	N341347.50	W0801218.94	N3413.792	W08012.316
	UPSIY	N341153.00	W0800644.48	N3411.883	W08006.741
	RW03	N342348.21	W0800720.60	N3423.804	W08007.343

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW03	00342		40

CITY AND STATE HARTSVILLE, SC	ELEVATION: 364 TDZE: 349	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, ORIG 27 AUG 2009	SUP:
	AMDT: NONE			
	DATED:			
AIRPORT NAME: HARTSVILLE REGIONAL				

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW21
CTF VOR/DME	VOKPY (FB)	114.20 / 7.81	2100	CLIMBING RIGHT TURN TO 2100 DIRECT VOKPY AND HOLD.
FLO VORTAC	YIMDY (FB)	330.63 / 23.46	2000	
YIMDY (IAF)	JAPTU (FB)	299.53 / 5.00	2000	
VOKPY (IAF)	JAPTU (FB)	119.43 / 5.00	2000	
JAPTU (IF)	POROY (FB)	209.48 / 6.10	2000	
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 119.43 INBOUND. CHART FAS OBST: 529 TREE 342521N/0800632W CHART 681 TOWER 342755N/0800544W. POROY TO RW21: 3.04/40.

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT JAPTU
- FAC: 209.45 FAF: POROY DIST FAF TO MAP: 4.95 THLD: 4.95
- MIN. ALT: JAPTU 2000, POROY 2000, JCOLE/2.00 NM TO RW21 1040
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW21 2000

MAG VAR: 7W

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: ☐	STANDARD ☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A ☒												
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	780	1	416	780	1	416	780	1 1/4	416		NA				
CIRCLING	840	1	476	840	1	476	840	1 1/2	476		NA				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FLORENCE ALTIMETER SETTING AND SEE 8260-10

CITY AND STATE HARTSVILLE, SC	ELEVATION: 364 TDZE: 364 AIRPORT NAME: HARTSVILLE REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG 27 AUG 2009	SUP: AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

INCREASE ALL MDA 100FT AND LNAV CAT C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FLO VORTAC VIA V3 SOUTHBOUND.

CHECKED
2
QUALITY

CITY AND STATE
HARTSVILLE, SC

ELEVATION: 364 TDZE: 364
AIRPORT NAME:
HARTSVILLE REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 21, ORIG
27 AUG 2009

SUP:
AMDT: NONE
DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KHVSK7FR21	ACTF	016CTF	K7D 0V	IF					18000			B JS	
SUSAP KHVSK7FR21	ACTF	020VOKPKYK7EA0E	A 020TF			11420078		+ 02100				B JS	
SUSAP KHVSK7FR21	ACTF	030JAPTUK7EA0EE	010TF			11940050		+ 02000				B JS	
SUSAP KHVSK7FR21	AFLO	010FLO	K7D 0V	IF					18000			E JS	
SUSAP KHVSK7FR21	AFLO	020YIMDYK7EA0E	A 020TF			33063235		+ 02000				B JS	
SUSAP KHVSK7FR21	AFLO	030JAPTUK7EA0EE	010TF			29953050		+ 02000				B JS	
SUSAP KHVSK7FR21	R	010JAPTUK7EA0E	I IF					+ 02000	18000			B JS	
SUSAP KHVSK7FR21	R	020POROYK7EA1E	F 051TF			20953061		+ 02000			RW21	K7PGB JS	
SUSAP KHVSK7FR21	R	020POROYK7EA2WN		N		ALNAV						JS	
SUSAP KHVSK7FR21	R	021JCOLEK7EA0E	S 031TF			20953030		V 0104001053		-304		B JS	
SUSAP KHVSK7FR21	R	030RW21	K7PGCGY M 031TF			20953020		00404		-304		B JS	
SUSAP KHVSK7FR21	R	040VOKPKYK7EACEYM	R010DF					+ 02100				B JS	
SUSAP KHVSK7FR21	R	050VOKPKYK7EA0EE	R020HM			11940040		+ 02100				B JS	

QUALITY
1
CHECKED

CITY AND STATE HARTSVILLE, SC	ELEVATION: 364 TDZE: 364 AIRPORT NAME: HARTSVILLE REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

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

SUSAP KHVSK7GRW21 0050002094 N34243392W080065784-0400 +0079300364000340075R

SUSAP KHVSK7SRW21 K7EG	0	18018002025	M

QUALITY
CHECKED

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CTF	CTF	010		IF		FB				
	CTF	VOKPY	020	IAF	TF		FB	2.0	114.2 (107T)	007.8	02100
	CTF	JAPTU	030		TF		FB	1.0	119.4 (112T)	005.0	02000
	FLO	FLO	010		IF		FB				
	FLO	YIMDY	020	IAF	TF		FB	2.0	330.6 (324T)	023.5	02000
	FLO	JAPTU	030		TF		FB	1.0	299.5 (293T)	005.0	02000
		JAPTU	010	FACF	IF		FB				02000
		POROY	020	FAF	TF		FB	0.5	209.5 (203T)	006.1	02000
		JCOLE	021	SDF	TF		FB	0.3	209.5 (203T)	003.0	0104001053
		RW21	030	MAP	TF		FO	0.3	209.5 (203T)	002.0	00404

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	VOKPY	040		DF	R	FO	1.0			02100
	VOKPY	050		HM	R	FO	2.0	119.4 (112T)	004.0	02100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CTF	N343901.66	W0801629.74	N3439.028	W08016.496
	FLO	N341358.56	W0793925.61	N3413.976	W07939.427
	JAPTU	N343447.70	W0800151.47	N3434.795	W08001.858
	JCOLE	N342625.03	W0800602.48	N3426.417	W08006.041
	POROY	N342908.64	W0800440.88	N3429.144	W08004.681
	VOKPY	N343642.47	W0800727.32	N3436.708	W08007.455
	YIMDY	N343252.67	W0795615.88	N3432.878	W07956.265
	RW21	N342433.92	W0800657.84	N3424.565	W08006.964

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW21	00364		40

QUALITY
1
CHECKED

CITY AND STATE
HARTSVILLE, SC

ELEVATION: 364 TDZE: 364
AIRPORT NAME:
HARTSVILLE REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 21, ORIG
27 AUG 2009

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: ☐ STANDARD ☐ 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 <u>27 AUG 2009</u>																			
CITY AND STATE VERMILLION, SD				ELEVATION: 1147 TDZE: 1147 AIRPORT NAME: HAROLD DAVIDSON FIELD				FACILITY IDENTIFIER: VMR				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB OR GPS RWY 30, AMDT 1A, 05/02/2008				SUP			
																AMDT 1			
																DATE 09/14/1995			

QUALITY
 9
 CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
ATLES	AVOSE (FB)	015.23 / 12.86	3500	LPV: DA LNAV/VNAV: DA LNAV: RW30
ESTIS	HEKTU (FB)	201.29 / 7.88	3500	
AVOSE (IAF)	IKUBE (NOPT) (FB)	030.12 / 5.00	3500	CLIMB TO 3500 DIRECT MOKTE AND VIA TRACK 209.96 TO CIERA AND DIRECT IKUBE AND HOLD.
HEKTU (IAF)	IKUBE (NOPT) (FB)	210.22 / 5.00	3500	
IKUBE (IF/IAF)	EDCIR (FB)	300.17 / 6.20	3000	
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1222 TREE 424531N/0965549W FAS OBST: 1344 AAO 424410N/0965139W 1519 AAO 424143N/0965031W DISTANCE TO THLD FROM 288 HAT: 0.79 NM. WAAS CHANNEL # 53614 REFERENCE PATH ID: W30A

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE IKUBE, RT, 300.17 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
- FAC: 300.09 FAF: EDCIR DIST FAF TO MAP: 5.62 THLD: 5.62
- MIN. ALT: IKUBE 3500, EDCIR 3000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 3000 GS ALT AT: EDCIR OM: MM: IM:
- GS ANGLE: 3.00 TCH: 37.8 34:1 IS NOT CLEAR
- MSA FROM: RW30 3500

MAG VAR: 6E

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	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	1434	1	288	1434	1	288	1434	1	288		NA				
LNAV/VNAV DA	1559	1 1/2	413	1559	1 1/2	413	1559	1 1/2	413		NA				
LNAV MDA	1680	1	534	1680	1	534	1680	1 1/2	534		NA				
CIRCLING	1740	1	594	1740	1	594	1740	1 1/2	594		NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING YANKTON ALTIMETER SETTING.
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: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
9
CHECKED

CITY AND STATE VERMILLION, SD	ELEVATION: 1146 TDZE: 1146 AIRPORT NAME: HAROLD DAVIDSON FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 27 AUG 2009	SUP: AMDT: NONE DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ESTIS VIA V15 NORTHBOUND.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE YANKTON ALTIMETER SETTING AND INCREASE****ALL DA 73 FT AND LPV AND LNAV/VNAV VISIBILITY 1/4 MILE ALL CATS, INCREASE ALL MDA 80 FT AND LNAV****CAT C VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILITY 1/2 MILE.**

QUALITY
9
CHECKED

CITY AND STATE

VERMILLION, SD

ELEVATION: 1146 TDZE: 1146

AIRPORT NAME:

HAROLD DAVIDSON FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, ORIG

27 AUG 2009

SUP:

AMDT:

NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KVMR
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W30A
REFERENCE PATH IDENTIFIER (APPROACH ID)	424543.1135N
LTP/FTP LATITUDE	0965541.0740W
LTP/FTP LONGITUDE	+03233
LTP/FTP ELLIPSOIDAL HEIGHT	424635.5100N
FPAP LATITUDE	0965718.9200W
FPAP LONGITUDE	00037.8
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	1496
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER

CD5F41A8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03488
FPAP ORTHOMETRIC HEIGHT	+03488

QUALITY
9
CHECKED

CITY AND STATE
VERMILLION, SD

ELEVATION: 1146 TDZE: 1146
AIRPORT NAME:
HAROLD DAVIDSON FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 30, ORIG
27 AUG 2009

SUP:
AMDT: NONE
DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KVMRK3FR30	AATLES	010ATLESK3EA0E	IF						18000		A JS	
SUSAP	KVMRK3FR30	AATLES	020AVOSEK3EA0E	A 020TF		01520129	+	03500				A JS	
SUSAP	KVMRK3FR30	AATLES	030IKUBEK3EA0EE	010TF		03010050	+	03500				A JS	
SUSAP	KVMRK3FR30	AESTIS	010ESTISK3EA0E	IF						18000		A JS	
SUSAP	KVMRK3FR30	AESTIS	020HEKTUK3EA0E	A 020TF		20130079	+	03500				A JS	
SUSAP	KVMRK3FR30	AESTIS	030IKUBEK3EA0EE	010TF		21020050	+	03500				A JS	
SUSAP	KVMRK3FR30	AIKUBE	010IKUBEK3EA0EE	AR HF		30020040	+	03500		18000		A JS	
SUSAP	KVMRK3FR30	R	010IKUBEK3EA0E	I IF			+	03500		18000		A JS	
SUSAP	KVMRK3FR30	R	020EDCIRK3EA1E	F 051TF		30020062	+	03000			RW30	K3PGA JS	
SUSAP	KVMRK3FR30	R	020EDCIRK3EA2WALPV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KVMRK3FR30	R	030RW30	K3PG0GY M 031TF		30010056		01182		-300		A JS	
SUSAP	KVMRK3FR30	R	040MOKTEK3EA0E	M 010DF								A JS	
SUSAP	KVMRK3FR30	R	050CIERAK3EA0EY	L010TFY		2100						A JS	
SUSAP	KVMRK3FR30	R	060IKUBEK3EA0EY	L010DF			+	03500				A JS	
SUSAP	KVMRK3FR30	R	070IKUBEK3EA0EE	R020HM		30020040	+	03500				A JS	

QUALITY
CHECKED

CITY AND STATE VERMILLION, SD	ELEVATION: 1146 TDZE: 1146 AIRPORT NAME: HAROLD DAVIDSON FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

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

SUSAP KVMRK3GRW30 0041053000 N42454311W096554107+0000 +0323301145000038075R

SUSAP KVMRK3PR30 RW30 001 0000W30A0N4245431135W09655410740+032330300N4246355100W09657189200106751496000378F400500CD5F41A8
SUSAP KVMRK3PR30 RW30 002E +03488+03488LPV 53614

SUSAP KVMRK3SRW30 K3PG	0	18018003525	M

QUALITY
1
CHECKED

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ATLES	ATLES	010		IF		FB				
	ATLES	AVOSE	020	IAF	TF		FB	2.0	015.2 (021T)	012.9	03500
	ATLES	IKUBE	030		TF		FB	1.0	030.1 (036T)	005.0	03500
	ESTIS	ESTIS	010		IF		FB				
	ESTIS	HEKTU	020	IAF	TF		FB	2.0	201.3 (207T)	007.9	03500
	ESTIS	IKUBE	030		TF		FB	1.0	210.2 (216T)	005.0	03500
	IKUBE	IKUBE	010	IAF	HF	R	FB		300.2 (306T)	004.0	03500
		IKUBE	010	FACF	IF		FB				03500
		EDCIR	020	FAF	TF		FB	0.5	300.2 (306T)	006.2	03000
		RW30	030	MAP	TF		FO	0.3	300.1 (306T)	005.6	01182

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MOKTE	040		DF		FB	1.0			
	CIERA	050		TF	L	FO	1.0	210.0 (216T)		
	IKUBE	060		DF	L	FO	1.0			03500
	IKUBE	070		HM	R	FO	2.0	300.2 (306T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATLES	N422243.80	W0965301.55	N4222.730	W09653.026
	AVOSE	N423442.86	W0964643.48	N4234.714	W09646.725
	CIERA	N424009.06	W0970932.19	N4240.151	W09709.537
	EDCIR	N424224.59	W0964931.15	N4242.410	W09649.519
	ESTIS	N424947.77	W0963349.62	N4249.796	W09633.827
	HEKTU	N424247.37	W0963843.66	N4242.790	W09638.728
	IKUBE	N423845.19	W0964243.83	N4238.753	W09642.731
	MOKTE	N424839.45	W0970110.72	N4248.658	W09701.179
	RW30	N424543.11	W0965541.07	N4245.719	W09655.685

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW30	01145	38

QUALITY
CHECKED

CITY AND STATE
VERMILLION, SD

ELEVATION: 1146 TDZE: 1146
 AIRPORT NAME:
 HAROLD DAVIDSON FIELD

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 30, ORIG
 27 AUG 2009

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 12, 30 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 12, ROAD 1' FROM DER, 200' RIGHT OF CENTERLINE, UP TO 15' AGL/1156' MSL. MULTIPLE TREES BEGINNING 541' FROM DER, 366' RIGHT OF CENTERLINE, UP TO 62' AGL/1202' MSL.

NOTE: RWY 30, ROAD 79' FROM DER 342' LEFT OF CENTERLINE 15' AGL/1155' MSL. ROAD 200' FROM DER, 450' RIGHT OF CENTERLINE, 15' AGL/1160' MSL. FENCE 199' FROM DER, 347' LEFT OF CENTERLINE, 6' AGL/1150' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
9
CHECKED

(5) City, State

VERMILLION, SD

(6) Airport

HAROLD DAVIDSON FIELD

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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		MAP: 5.90 MILES AFTER AT LOM									
ATY VORTAC			LICAN LOM			172.93 / 10.59				4000		CLIMB TO 4000 THEN LEFT TURN DIRECT LICAN LOM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 353.57 INBOUND. FAS OBST: 2039 AAO 445011N/0970833W LICAN LOM TO RW35: 3.20/54									
1. PT <u> L </u> SIDE OF COURSE <u> 173.57 </u> OUTBOUND <u> 4000 </u> FT WITHIN <u> 10 </u> MILES OF <u> LICAN LOM </u> (IAF) 2. _____ 3. FAC <u> 353.57 </u> FAF <u> LICAN LOM </u> DIST FAF TO MAP <u> 5.90 </u> THLD <u> 5.90 </u> 4. MIN. ALT <u> LICAN LOM 3800 </u> 8. MSA FROM: <u> AT LOM 030-270 3600, 270-030 4600 </u>										MAG VAR: 6E EPOCH YEAR: 1985											
MINIMUMS																					
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @									
CATEGORY =====>		A			B			C			D			E							
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA						
S-35	2340	1	595	2340	1	595	2340	1	595	2340	1 1/2	595									
CIRCLING	2340	1	591	2340	1	591	2340	1 1/2	591	2340	2	591									
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BROOKINGS ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET, INCREASE S-35 CAT C/D VISIBILITY 1/2 MILE, INCREASE CIRCLING CAT C VISIBILITY 1/2 MILE AND CAT D VISIBILITY 1/4 MILE. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-35 CAT A AND B.																					
CITY AND STATE WATERTOWN, SD				ELEVATION: 1749 TDZE: 1745 AIRPORT NAME: WATERTOWN RGNL				FACILITY IDENTIFIER: AT				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 35, AMDT 9 27 AUG 2009				SUP NDB OR GPS RWY					
																35					
																AMDT 8B					
DATE 07/31/2008																					

 QUALITY
2
RECORD

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.								
TERMINAL ROUTES												MISSED APPROACH				
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW30 CLIMB TO 3600 DIRECT JEBER AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 118.37 INBOUND. CHART FAS OBST: 1916 OL ON ELEVATOR 445329N/0970744W CHART FAS OBST: 2107 TOWER 445303N/0970232W DISTANCE TO THLD FROM 254 HAT: 0.67 NM. CHART VDP AT 1.86 MILES TO RW30* *LNAV ONLY. WAAS CHANNEL # 50305 REFERENCE PATH ID: W30A						
ATY VORTAC		DELDE (FO)		132.97 / 14.07				3600								
BUCCA (IAF)		DELDE (NOPT) (FB)		254.55 / 14.63				3600								
OBITT (IAF)		DELDE (NOPT) (FB)		002.77 / 20.68				3600								
DELDE (IF/IAF)		HAVDI (FB)		298.70 / 6.17				3500								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE DELDE, RT, 298.70 INBOUND, 3600 FT. IN LIEU OF PT (IAF) 3. FAC: 298.61 FAF: HAVDI DIST FAF TO MAP: 5.33 THLD: 5.33 4. MIN. ALT: DELDE 3600, HAVDI 3500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3500 GS ALT AT: HAVDI _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR 8. MSA FROM: RW30 4600												MAG VAR: 6E		EPOCH YEAR: 1985		
MINIMUMS																
TAKEOFF:		STANDARD		X		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	1990	1	254	1990	1	254	1990	1	254	1990	1	254				
LNAV/VNAV DA	2208	1 3/4	472	2208	1 3/4	472	2208	1 3/4	472	2208	1 3/4	472				
LNAV MDA	2360	1	624	2360	1	624	2360	1 3/4	624	2360	2	624				
CIRCLING	2360	1	611	2360	1	611	2360	1 3/4	611	2360	2	611				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 45C (113F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BROOKINGS ALTIMETER SETTING AND SEE 8260-10																
CITY AND STATE WATERTOWN, SD				ELEVATION: 1749 TDZE: 1736 AIRPORT NAME: WATERTOWN REGIONAL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1 27 AUG 2009				SUP: AMDT: ORIG DATED 08/30/2007		

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

INCREASE ALL DA 105 FEET AND ALL MDA 120 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE, LNAV AND CIRCLING CAT B VISIBILITY 1/4 MILE, CAT C/D VISIBILITY 1/2 MILE.

CHART NOTE: VDP NA WHEN USING BROOKINGS ALTIMETER SETTING.

CHART NOTE: BARO-VNAV NA WHEN USING BROOKINGS ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ATY VORTAC VIA V78 WESTBOUND.

CITY AND STATE

WATERTOWN, SD

ELEVATION: 1749 TDZE: 1736

AIRPORT NAME:

WATERTOWN REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG

DATED: 08/30/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KATY
RUNWAY	RW30
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	445441.3180N
LTP/FTP LONGITUDE	0970850.5260W
LTP/FTP ELLIPSOIDAL HEIGHT	+05030
FPAP LATITUDE	445531.8200N
FPAP LONGITUDE	0971033.8300W
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	0648
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

69B58754

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05280
FPAP ORTHOMETRIC HEIGHT	+05280

QUALITY
2
CHECKED

CITY AND STATE WATERTOWN, SD	ELEVATION: 1749 TDZE: 1736 AIRPORT NAME: WATERTOWN REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED: 08/30/2007

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KATYK3FR30	AATY	010ATY	K3D 0V	IF					18000		A JS	
SUSAP	KATYK3FR30	AATY	020DELDEK3EA0EY	020TF		13300141		+ 03600				A JS	
SUSAP	KATYK3FR30	AATY	030DELDEK3EA0EE	AR HF		29870040		+ 03600				A JS	
SUSAP	KATYK3FR30	ABUCCA	010BUCCAK3EA0E	A IF						18000		A JS	
SUSAP	KATYK3FR30	ABUCCA	020DELDEK3EA0EE	010TF		25460146		+ 03600				A JS	
SUSAP	KATYK3FR30	AOBITT	010OBITTK3EA0E	A IF						18000		A JS	
SUSAP	KATYK3FR30	AOBITT	020DELDEK3EA0EE	010TF		00280207		+ 03600				A JS	
SUSAP	KATYK3FR30	R	010DELDEK3EA0E	I IF				+ 03600		18000		A JS	
SUSAP	KATYK3FR30	R	020HAVDIK3EA1E	F 051TF		29870062		+ 03500			RW30	K3PGA	JS
SUSAP	KATYK3FR30	R	020HAVDIK3EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP	KATYK3FR30	R	030RW30	K3PG0GY M	031TF	29860053		01777		-300		A JS	
SUSAP	KATYK3FR30	R	040JEBERK3EA0EYM	010DF				+ 03600				A JS	
SUSAP	KATYK3FR30	R	050JEBERK3EA0EE	L020HM		11840040		+ 03600				A JS	

QUALITY
1
CHECKED

CITY AND STATE WATERTOWN, SD	ELEVATION: 1749 TDZE: 1736 AIRPORT NAME: WATERTOWN REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30, AMDT 1 27 AUG 2009	SUP:
				AMDT: ORIG
				DATED: 08/30/2007

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SUSAP KATYK3GRW30 0068992985 N44544132W097085053+0200 +0503001732000045100R

SUSAP KATYK3PR30 RW30 001 0000W30A0N4454413180W09708505260+050300300N4455318200W09710338300106750648000450F40050069B58754
SUSAP KATYK3PR30 RW30 002E +05280+05280LPV 50305

SUSAP KATYK3SRW30 K3PG 0 18018004625 M

QUALITY
1
CHECKED

PAGE 5 OF 6 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
ATY	ATY	ATY	010		IF		FB				
ATY	DELDE	DELDE	020		TF		FO	2.0	133.0 (139T)	014.1	03600
ATY	DELDE	DELDE	030	IAF	HF	R	FO		298.7 (305T)	004.0	03600
BUCCA	BUCCA	BUCCA	010	IAF	IF		FB				
BUCCA	DELDE	DELDE	020		TF		FB	1.0	254.6 (261T)	014.6	03600
OBITT	OBITT	OBITT	010	IAF	IF		FB				
OBITT	DELDE	DELDE	020		TF		FB	1.0	002.8 (009T)	020.7	03600
	DELDE	DELDE	010	FACF	IF		FB				03600
	HAVDI	HAVDI	020	FAF	TF		FB	0.5	298.7 (305T)	006.2	03500
	RW30	RW30	030	MAP	TF		FO	0.3	298.6 (305T)	005.3	01777

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	JEBER	040		DF		FO	1.0			03600
	JEBER	050		HM	L	FO	2.0	118.4 (124T)	004.0	03600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATY	N445846.69	W0970830.43	N4458.778	W09708.507
	BUCCA	N445035.27	W0963516.21	N4450.588	W09635.270
	DELDE	N444809.36	W0965532.25	N4448.156	W09655.538
	HAVDI	N445139.84	W0970240.15	N4451.664	W09702.669
	JEBER	N450133.20	W0972256.22	N4501.553	W09722.937
	OBITT	N442743.18	W0965957.93	N4427.720	W09659.966
	RW30	N445441.32	W0970850.53	N4454.689	W09708.842

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW30	01732	45

QUALITY
1
CHECKED

CITY AND STATE
WATERTOWN, SD

ELEVATION: 1749 TDZE: 1736
 AIRPORT NAME:
WATERTOWN REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 30, AMDT 1
27 AUG 2009

SUP:
 AMDT: **ORIG**
 DATED: **08/30/2007**

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 3600 DIRECT BOBDE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 174.25 INBOUND. CHART FAS OBST: 1909 TREE 445403N/0970939W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.14 MILES TO RW35* LNAV ONLY. WAAS CHANNEL # 82614 REFERENCE PATH ID: W35A								
ATY VORTAC		RIPVE (FO)		175.54 / 16.89			4000										
ASTOE (IAF)		RIPVE (NOPT) (FB)		296.54 / 26.11			4000										
ZOTBY (IAF)		RIPVE (NOPT) (FB)		038.76 / 20.56			4000										
RIPVE (IF/IAF)		OXASAS (FB)		354.25 / 6.01			3800										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S RIPVE, RT, 354.25 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 354.25 FAF: OXASAS DIST FAF TO MAP: 6.19 THLD: 6.19 4. MIN. ALT: RIPVE 4000, OXASAS 3800, FOMLI/3.50 NM TO RW35 2900* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3800 GS ALT AT: OXASAS OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 53.4 34:1 IS CLEAR 8. MSA FROM: RW35 4600										MAG VAR: 6E EPOCH YEAR: 1985							
MINIMUMS																	
TAKEOFF:		STANDARD		X		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	1945	1	200	1945	1	200	1945	1	200	1945	1	200					
LNAV/VNAV DA	2180	1	435	2180	1	435	2180	1	435	2180	1	435					
LNAV MDA	2160	1	415	2160	1	415	2160	1	415	2160	1	415					
CIRCLING	2260	1	511	2260	1	511	2260	1 1/2	511	2340	2	591					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 45C (113F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: VDP AND BARO-VNAV NA WHEN USING BROOKINGS ALTIMETER SETTING. SEE 8260-10																	
CITY AND STATE WATERTOWN, SD				ELEVATION: 1749 TDZE: 1745 AIRPORT NAME: WATERTOWN REGIONAL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 27 AUG 2009				SUP: AMDT: NONE DATED			

QUALITY
2
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BROOKINGS ALTIMETER SETTING AND INCREASE ALL DA 105 FEET AND ALL MDA 120 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE, INCREASE LNAV CAT C/D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV CAT C/D VISIBILITY 1/4 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS, LNAV CATS A/B.

CHART NOTE: WHEN USING BROOKINGS ALTIMETER SETTING, INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS, LNAV CATS A/B.

QUALITY
2
CHECKED

CITY AND STATE

WATERTOWN, SD

ELEVATION: 1749 TDZE: 1745

AIRPORT NAME:

WATERTOWN REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KATY
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	445405.9475N
LTP/FTP LONGITUDE	0970904.2170W
LTP/FTP ELLIPSOIDAL HEIGHT	+05062
FPAP LATITUDE	445519.1400N
FPAP LONGITUDE	0970903.7700W
THRESHOLD CROSSING HEIGHT (TCH)	00053.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0160
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER A182FB0B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05312
FPAP ORTHOMETRIC HEIGHT	+05312

CITY AND STATE
WATERTOWN, SD

ELEVATION: 1749 TDZE: 1745
AIRPORT NAME:
WATERTOWN REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, ORIG
27 AUG 2009

SUP:
AMDT: NONE
DATED:

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[illegible]

QUALITY
CHECKED

CITY AND STATE WATERTOWN, SD	ELEVATION: 1749 TDZE: 1745 AIRPORT NAME: WATERTOWN REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

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

QUALITY
CHECKED

CITY AND STATE WATERTOWN, SD	ELEVATION: 1749 TDZE: 1745 AIRPORT NAME: WATERTOWN REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ASTOE	ASTOE	010	IAF	IF		FB				
	ASTOE	RIPVE	020		TF		FB	1.0	296.5 (303T)	026.1	04000
	ATY	ATY	010		IF		FB				
	ATY	RIPVE	020		TF		FO	2.0	175.5 (182T)	016.9	04000
	ATY	RIPVE	030	IAF	HF	R	FO		354.3 (000T)	004.0	04000
	ZOTBY	ZOTBY	010	IAF	IF		FB				
	ZOTBY	RIPVE	020		TF		FB	1.0	038.8 (045T)	020.6	04000
		RIPVE	010	FACF	IF		FB				04000
		OXSAS	020	FAF	TF		FB	0.5	354.3 (000T)	006.0	03800
		FOMLI	021	SDF	TF		FB	0.3	354.3 (000T)	002.7	0290002922
		RW35	030	MAP	TF		FO	0.3	354.3 (000T)	003.5	01796

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BOBDE	040		DF		FO	1.0			03600
	BOBDE	050		HM	R	FO	2.0	174.3 (180T)	004.0	03600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ATY	N445846.69	W0970830.43	N4458.778	W09708.507
	ASTOE	N442755.47	W0963816.95	N4427.925	W09638.283
	BOBDE	N450607.34	W0970859.78	N4506.122	W09708.996
	FOMLI	N445035.97	W0970905.51	N4450.600	W09709.092
	OXSAS	N444754.81	W0970906.49	N4447.914	W09709.108
	RIPVE	N444154.01	W0970908.70	N4441.900	W09709.145
	ZOTBY	N442720.09	W0972926.22	N4427.335	W09729.437
	RW35	N445405.95	W0970904.22	N4454.099	W09709.070

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW35	01743	53

QUALITY
CHECKED

CITY AND STATE

WATERTOWN, SD

ELEVATION: 1749

TDZE: 1745

AIRPORT NAME:

WATERTOWN REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: CIKAK/I-PVU 2.04 DME								
FFU VORTAC (IAF)	JETLI INT/FFU 3.97 DME	312.63 / 3.97	9000	CLIMB TO 9000 VIA HEADING 133.79 TO INTERCEPT PVU VOR/DME R-130 TO ZIPUT/PVU 5.87 DME THEN CLIMBING RIGHT TURN VIA HEADING 330 AND FFU VORTAC R-110 TO FFU VORTAC AND HOLD.								
JETLI INT/PVU 14.00 DME CW	DICOT INT/I-PVU 14.53 DME	14.00 DME ARC (PVU LR-302)	8000									
JAURN INT/I-PVU 19.72 DME (IAF)	DICOT INT/I-PVU 14.53 DME	133.79 / 5.19 (I-PVU)	8000									
DICOT INT/I-PVU 14.53 DME (IF)	WAVIT/I-PVU 6.69 DME	133.79 / 7.84 (I-PVU)	6200									
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 4590 TREE 401410N/1114359W CHART R-6412 A/B/C/D. CHART PVU R-285 AT JETLI. CHART ARRIVAL HOLDING AT FFU VORTAC: HOLD S, RT, 340.00 INBOUND, 9000. CHART 210 KIAS ICON.								
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)												
2. PROFILE STARTS AT DICOT INT/I-PVU 14.53 DME												
3. FAC: <u>133.79</u> FAF: <u>WAVIT/I-PVU 6.69 DME</u> DIST FAF TO MAP: <u> </u> THLD: <u>5.11</u>												
4. MIN. ALT: <u>DICOT 8000, WAVIT 6200</u>												
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>1000</u>												
6. MIN GS INCPT: <u>6200</u> GS ALT AT: <u>WAVIT/I-PVU 6.69 DME 6200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>												
7. GS ANGLE: <u>3.00</u> TCH: <u>50.2</u>												
8. MSA FROM: <u>PVU VOR/DME 050-140 12300, 140-230 13200, 230-320 11900, 320-050 13000</u>												
				MAG VAR: 12E EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF: <u> </u>	STANDARD ☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: <u>NA</u>	ILS: # <u> </u>	LOC: STANDARD @ <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
S-ILS 13 *	4697	3/4	200	4697	3/4	200	4697	3/4	200	4697	3/4	200
S-LOC 13 *	4820	1	323	4820	1	323	4820	1	323	4820	1	323
CIRCLING *	4900	1	403	4960	1	463	4980	1 1/2	483	5060	2	563
S-ILS 13	4947	1 1/2	450	4947	1 1/2	450	4947	1 1/2	450	4947	1 1/2	450
S-LOC 13	5100	1	603	5100	1	603	5100	1 3/4	603	5100	2	603
CIRCLING	5100	1	603	5100	1	603	5100	1 3/4	603	5100	2	603
NOTES: CHART NOTE: CIRCLING NA EAST OF RWY 18 AND 31. CHART PLANVIEW NOTE: DME REQUIRED. CHART NOTE: *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 315 FT PER NM TO 8600. CHART PROFILE NOTE: USE I-PVU DME WHEN ON THE LOCALIZER COURSE.												
CITY AND STATE PROVO, UT		ELEVATION: 4497 TDZE: 4497 AIRPORT NAME: PROVO MUNI		FACILITY IDENTIFIER: I-PVU		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 13, AMDT 1 27 AUG 2009			SUP: AMDT: ORIG-A DATED 05/10/2007			

GRAPHIC DEPARTURE PROCEDURE (DP)



OBSTACLE



SID



RNAV

1. Bearings, headings, courses, tracks, and radials are magnetic.
2. Distances are in nautical miles.
3. Altitudes are minimum altitudes unless otherwise indicated.
4. Graphic depiction attached.

(1) DP Route Description: TAKEOFF RWY 13, 18. CLIMBING RIGHT TURN TO 9000 VIA PVU VOR/DME R-230 TO CALUB INT/PVU 10.51 DME AND RIGHT TURN VIA FFU VORTAC R-160 TO FFU VORTAC AND HOLD. THENCE... OR CLIMB IN VISUAL CONDITIONS TO CROSS PROVO MUNI AIRPORT SOUTHWEST BOUND AT OR ABOVE 7400, CLIMB TO 9000 VIA PVU R-230 TO CALUB INT/PVU 10.51 DME AND RIGHT TURN VIA FFU R-160 TO FFU VORTAC AND HOLD, THENCE...

TAKEOFF RWY 31: CLIMB TO 9000 VIA PVU VOR/DME R-311 TO PAMEE INT/PVU 9.75 DME AND LEFT TURN DIRECT FFU VORTAC AND HOLD. THENCE... OR CLIMB IN VISUAL CONDITIONS TO CROSS PROVO MUNI AIRPORT NORTHWEST BOUND AT OR ABOVE 7400, CLIMB TO 9000 VIA PVU R-311 TO PAMEE INT/PVU 9.75 DME AND LEFT TURN DIRECT FFU VORTAC AND HOLD. THENCE...

TAKEOFF RWY 36: CLIMBING LEFT TURN TO 9000 VIA PVU VOR/DME R-311 TO PAMEE INT/PVU 9.75 DME, AND LEFT TURN DIRECT FFU VORTAC AND HOLD. THENCE... OR CLIMB IN VISUAL CONDITIONS TO CROSS PROVO MUNI AIRPORT NORTHWEST BOUND AT OR ABOVE 7400, CLIMB TO 9000 VIA PVU R-311 (CONTINUED IN BLOCK 17)

(2) Transition Routes (Graphic Depiction Only)

(a) Transition Name	(b) Transition Computer Codes	(c) From FIX/NAVAID	(d) To FIX/NAVAID	(e) Course / Distance	(f) MEA / MOCA	(g) Crossing Altitudes/Fixes

(3) Procedural Data Notes / Takeoff Minimums:

RWY 13: STANDARD WITH A MINIMUM CLIMB OF 400 FEET PER NM TO 9000, OR 3100-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 18: STANDARD WITH A MINIMUM CLIMB OF 350 FEET PER NM TO 9000, OR 3100-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 31: STANDARD WITH A MINIMUM CLIMB OF 380 FEET PER NM TO 9000, OR 3100-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 36: STANDARD WITH A MINIMUM CLIMB OF 365 FEET PER NM TO 9000, OR 3100-3 FOR CLIMB IN VISUAL CONDITIONS.

NOTE: CLIMB IN VISUAL CONDITIONS NA AT NIGHT

(4) Takeoff Obstacle Notes: NOTE: RWY 18, MULTIPLE TREES BEGINNING 429 FEET FROM DER, 288 FEET LEFT OF CENTERLINE, UP TO 57 FEET AGL/4533 FEET MSL. MULTIPLE TREES BEGINNING 852 FEET FROM DER, 202 FEET RIGHT OF CENTERLINE, UP TO 57 FEET AGL/4533 FEET MSL. ROAD 775 FEET FROM DER, ON CENTERLINE, 15 FEET AGL/4518 FEET MSL.

NOTE, RWY 31 MULTIPLE TREES BEGINNING 1954 FEET FROM DER, 743 FEET RIGHT OF CENTERLINE, UP TO 72 FEET AGL/4551 FEET MSL. (CONTINUED IN BLOCK 17)

(5) Controlling Obstacles: RWY 13: 12128 MSL AAO 394912.40N/1114536.20W, 7138 MSL TOWER 400521.00N/1114920.80W, 7890 MSL AAO 401630.00N/1115626.00W.

RWY 18: 12128 MSL AAO 394912.40N/1114536.20W, 7859 MSL AAO 401524.00N/1115536.00W. (CONTINUED IN BLOCK 17)

(6) Fixes and/or NAVAID'S :

(7) DP Name PROVO	(8) Number FOUR	(9) DP Computer Code PROVO4.FFU	(10) Superseded Number THREE	(11) Dated 08/03/2006	(12) Effective Date 27 AUG 2009

(13) Airports Served					
Airport Name	PROVO MUNI				
	City/State	PROVO, UT			
Airport Name	City/State				
Airport Name	City/State				
Airport Name	City/State				
Airport Name	City/State				
Airport Name	City/State				
Airport Name	City/State				
(14) Lost Communications Procedures:					
(15) Communications: ATIS, PVU GND CON, PVU TOWER, SLC DEP CON, UNICOM (CTAF).					
(16) Additional Flight Data: CHART R-6412 A,B,C,D. CHART HOLDING AT FFU VORTAC HOLD S, RT, 340 INBOUND CHART 210K ICON					
(17) Continuation:					
(1) DP ROUTE DESCRIPTION, CONT: TO PAMEE INT/PVU 9.75 DME, AND LEFT TURN DIRECT FFU VORTAC AND HOLD. THENCE... ...EXPECT CLEARANCE FOR FILED ROUTE AND ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.					
(4) TAKEOFF OBSTACLE NOTE, CONT: NOTE: RWY 36, MULTIPLE TREES BEGINNING 978 FEET FROM DER, 18 FEET RIGHT OF CENTERLINE, UP TO 46 FEET AGL/4541 FEET MSL. ROAD 210 FEET FROM DER, ON CENTERLINE, 15 FEET AGL/4516 FEET MSL.					
(5) CONTROLLING OBSTACLES, CONT: RWY 31: 12128 MSL AAO 394912.40N/1114536.20W, 7750 MSL AAO 401623.48N/1115529.48W, 7890 MSL AAO 401630.00N/1115626.00W. RWY 36: 12128 MSL AAO 394912.40N/1114536.20W, 7750 MSL AAO 401623.48N/1115529.48W, 7890 MSL AAO 401630.00N/1115626.00W. RWY 13, 18, 31, 36 (VCOA): 7079 MSL AAO 401421.00N/1113706.00W.					
(7) DP Name PROVO	(8) Number FOUR	(9) DP Computer Code PROVO4.FFU	(10) Superseded Number THREE	(11) Dated 08/03/2006	(12) Effective Date 27 AUG 2009

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 10300 DIRECT HUNSU THEN VIA TRACK 205.72 TO SANNO AND VIA TRACK 285.00 TO MEDKE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10300. ADDITIONAL FLIGHT DATA: HOLD S, RT, 012.32 INBOUND. CHART ARRIVAL HOLDING AT FFU VORTAC: HOLD S, RT, 340 INBOUND, 9900. CHART FAS OBST: 4590 TREE 401410N/1114359W CHART R-6412 A,B & C,D. DISTANCE TO THLD FROM 273 HAT: 0.70 NM. CHART VDP AT 1.55 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 97307 REFERENCE PATH ID: W13A											
FFU VORTAC	ZUXAG (FB)	327.23 / 6.03	9900												
JAURN (IAF)	DICOT (FB)	133.63 / 5.19	8000												
ZUXAG (IAF)	DICOT (FB)	049.43 / 5.00	8000												
DICOT (IF)	WAVIT (FB)	133.69 / 7.84	6200												
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT DICOT <u> </u> 3. FAC: <u>133.75</u> FAF: <u>WAVIT</u> DIST FAF TO MAP: <u>5.11</u> THLD: <u>5.11</u> 4. MIN. ALT: <u>DICOT 8000, WAVIT 6200</u> 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>6200</u> GS ALT AT: <u>WAVIT</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.2</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW13 13200</u>				MAG VAR: 12E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	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	4770	1	273	4770	1	273	4770	1	273	4770	1	273			
LNAV/VNAV DA	4940	1 1/2	443	4940	1 1/2	443	4940	1 1/2	443	4940	1 1/2	443			
LNAV MDA	5040	1	543	5040	1	543	5040	1 1/2	543	5040	1 3/4	543			
CIRCLING	5040	1	543	5040	1	543	5040	1 1/2	543	5060	2	563			
NOTES: CHART NOTE: CIRCLING NA EAST OF RWY 18 AND 31. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -23C (-9F) OR ABOVE 40C (104F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 4497 TDZE: 4497		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
PROVO, UT		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 13, AMDT 1				AMDT: ORIG					
		PROVO MUNI				27 AUG 2009				DATED 11/25/2004					

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PLANVIEW NOTE: ALL ARRIVALS OVER FFU VORTAC DESCEND TO 11000 IN FFU HOLDING PATTERN BEFORE DEPARTING FFU VORTAC.

CITY AND STATE

PROVO, UT

ELEVATION: 4497 TDZE: 4497

AIRPORT NAME:

PROVO MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, AMDT 1

27 AUG 2009

SUP:

AMDT:

ORIG

DATED:

11/25/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KPVU
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	401348.7700N
LTP/FTP LONGITUDE	1114356.7900W
LTP/FTP ELLIPSOIDAL HEIGHT	+13533
FPAP LATITUDE	401238.4600N
FPAP LONGITUDE	1114254.4400W
THRESHOLD CROSSING HEIGHT (TCH)	00050.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	8BEF3D43

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+13707
FPAP ORTHOMETRIC HEIGHT	+13707

CITY AND STATE PROVO, UT	ELEVATION: 4497 TDZE: 4497 AIRPORT NAME: PROVO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 27 AUG 2009	SUP: AMDT: ORIG DATED: 11/25/2004

**RNAV (GPS) 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.

ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KP0UK2FR13	AFFU	010F0U	KRD OV	IF						18000		A JS	
SUSAP KP0UK2FR13	AFFU	020ZUXAGK2EAGE	A	020TF		32726060		+ 09900				A JS	
SUSAP KP0UK2FR13	AFFU	030DICOTK2EAGE	E	010TF		04940050		+ 08000				A JS	
SUSAP KP0UK2FR13	AJAURN	010JAURNK2EAGE	A	IF						18000		A JS	
SUSAP KP0UK2FR13	AJAURN	020DICOTK2EAGE	E	010TF		13360052		+ 08000				A JS	
SUSAP KP0UK2FR13	R	010DICOTK2EAGE	I	IF				+ 08000		18000		A JS	
SUSAP KP0UK2FR13	R	020WAVITK2EAGE	F	051TF		13370078		+ 06200			RW13	K2PGA JS	
SUSAP KP0UK2FR13	R	020WAVITK2EAGE	ALNAV/VNAV	ALNAV								JS	
SUSAP KP0UK2FR13	R	010RW13 K2PCGY	M	031TF		13380051		04547		300		A JS	
SUSAP KP0UK2FR13	R	040HUNSDK2EAGE	M	016DF				+ 10300				A JS	
SUSAP KP0UK2FR13	R	050SANNOK2EAGE		010TF		2057						A JS	
SUSAP KP0UK2FR13	R	060MEDKEK2EAGE		010TF		2850		+ 10300				A JS	
SUSAP KP0UK2FR13	R	070MPDKEK2EAGE		HR020HM		01230070		+ 10300				A JS	

1 2 3 4 5 6 7 8 9 10 11 12

CITY AND STATE PROVO, UT	ELEVATION: 4497 TDZE: 4497 AIRPORT NAME: PROVO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 27 AUG 2009	SUP:	
				AMDT:	ORIG
				DATED:	11/25/2004

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 KPVUK2GRW13 0085991338 N40134877K111435679-0100 +1353304497000050150T

SUSAP KP0UK2PR13 RW13 001 0000W13A0N4013487700W11143567900+135330300N4012384600W11142544400106500000000502F4005008B8F3D43

SUSAP KPVUK2SRW13 K2PG 0 18018013225

SUP:	
AMDT:	ORIG
DATED:	11/25/2004

PAGE 5 OF 6 PAGES

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

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ARTIC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAC(TRUE)	DISTANCE	ALTITUDE
	FFU	FFU	010		IF		FB				
	FFU	ZUXAG	020	IAF	TF		FB	2.0	327.2(239T)	006.0	09900
	FFU	DICOT	030		TF		FB	1.0	049.4(061T)	005.0	08000
	JAURN	JAURN	010	IAF	IF		FB				
	JAURN	DICOT	020		TF		FR	1.0	133.6(146T)	005.2	08000
		DICOT	010	FACF	IF		FB				08000
		WAVIT	020	FAP	TF		FB	0.5	133.7(146T)	007.8	06200
		RW13	030	MAP	TF		FO	0.3	133.8(146T)	005.1	04547

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAC(TRUE)	DISTANCE	ALTITUDE
	HUNSU	040		DF		FB	1.0			10300
	SANNO	050		TF		FO	1.0	205.7(218T)		
	MEDKE	060		TF		FO	1.0	285.0(297T)		10300
	MEDKE	070		RM	R	FO	2.0	012.3(024T)	007.0	10300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FFU	N401629.62	W1115625.91	N4016.494	W11156.432
	DICOT	N402431.65	W1115328.87	N4024.528	W11153.481
	HUNSU	N400838.83	W1113922.30	N4008.647	W11139.372
	JAURN	N402848.77	W1115718.84	N4028.813	W11157.314
	MEDKE	N400453.68	W1120315.26	N4004.895	W11203.254
	SANNO	N395915.32	W1114848.47	N3959.255	W11148.808
	WAVIT	N401802.56	W1114742.19	N4018.043	W11147.703
	ZUXAG	N402208.24	W1115913.80	N4022.137	W11159.230
	RW13	N401348.77	W1114356.79	N4013.813	W11143.947

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW13	01497		50

CITY AND STATE PROVO, UT	ELEVATION: 4497	TDZE: 4497	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 27 AUG 2009	SUP:
	AIRPORT NAME: PROVO MUNI				AMDT: ORIG
					DATED: 11/25/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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: _____	STANDARD _____	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:

27 AUG 2009

PROCEDURE CANCELED EFFECTIVE _____

CITY AND STATE PROVO, UT	ELEVATION: 4497 TDZE: 4497	FACILITY IDENTIFIER: PVU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 13, AMDT 3A, 05/10/2007	SUP
	AMDT 3			
	DATE 25NOV04			
	AIRPORT NAME: PROVO MUNI			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: OFWIG/PVU 1.65 DME FIX CLIMB TO 9000 DIRECT PVU VOR/DME AND PVU R-130 TO ZIPUT/5.87 DME THEN CLIMBING RIGHT TURN VIA HEADING 330 AND FFU VORTAC R-110 TO FFU VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 008.00 INBOUND. FAS OBST: 4719 AAO 401704N/111444W CHART R-6412A. CHART R-6412B. CHART R-6412C. CHART R-6412D. CHART VDP AT 2.60 DME; DISTANCE VDP TO THLD 1.55 MILES. CHART PVU R-285 AT JETLI. SUGIE TO RW13: 3.00/50. FAC CROSSES RWY C/L EXTENDED 3664 FROM THLD.											
FFU VORTAC (IAF)	JETLI INT/FFU VORTAC 3.97 DME	312.63 / 3.97	9200												
JETLI INT/PVU 14.00 DME CW	FAVUR/PVU 14.00 DME	14.00 DME ARC	8500												
MASIE/PVU 21.00 DME (IAF)	FAVUR/PVU 14.00 DME	134.00 / 7.01 (PVU R-314)	8500												
FAVUR/PVU 14.00 DME (IF)	SUGIE/PVU 6.24 DME	134.00 / 7.76 (PVU R-314)	6200												
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT FAVUR/PVU 14.00 DME 3. FAC <u>134.00</u> FAF <u>SUGIE/PVU 6.24 DME</u> DIST FAF TO MAP <u> </u> THLD <u>5.19</u> 4. MIN. ALT <u>FAVUR 8500, SUGIE 6200</u> 5. MSA FROM: <u>PVU VOR/DME 050-140 12300, 140-230 13200, 230-320 11900, 320-050 13000</u>					MAG VAR: 15E EPOCH YEAR: 1980										
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: NA		STANDARD							
CATEGORY ==>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-13	5040	1	543	5040	1	543	5040	1 1/2	543	5040	1 3/4	543			
CIRCLING	5040	1	543	5040	1	543	5040	1 1/2	543	5060	2	563			
NOTES: CHART NOTE: CIRCLING NA EAST OF RWY 18 AND 31. CHART PLANVIEW NOTE: ALL ARRIVALS OVER FFU VORTAC DESCEND TO 11000 IN FFU HOLDING PATTERN BEFORE DEPARTING FFU VORTAC.															
CITY AND STATE PROVO, UT				ELEVATION: 4497 TDZE: 4497 AIRPORT NAME: PROVO MUNI				FACILITY IDENTIFIER: PVU		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 13, AMDT 2 27 AUG 2009				SUP AMDT 1A DATE 07/05/2007	

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

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____

EPOCH YEAR: _____

TAKEOFF: _____	STANDARD _____	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 27 AUG 2009

CITY AND STATE STAUNTON/WAYNESBORO/HARRISONBURG, VA	ELEVATION: 1201 TDZE: 1201 AIRPORT NAME: SHENANDOAH VALLEY REGIONAL	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 23, ORIG, 03/27/1997	SUP AMDT NONE DATE

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.21 MILES AFTER STAUT LOM	
TURGA INT	STAUT LOM	297.92 / 12.18	5100	CLIMB TO 2600 THEN CLIMBING LEFT TURN TO 3600 DIRECT SH LOM AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 2600 THEN CLIMBING LEFT TURN TO 6000 VIA HEADING 208 AND VIA MOL VOR/DME R-009 TO MOL VOR/DME AND HOLD W, LT, 091.00 INBOUND.	
CEROL INT	STAUT LOM	237.25 / 10.33	5000		
MOL VOR/DME (IAF)	GABEL INT (NOPT)	003.99 / 8.89	5200		
GABEL INT (IF)	CUTOM INT (NOPT)	047.20 / 2.79 (I-SHD)	4600		
CUTOM INT	STAUT LOM	047.20 / 8.89 (I-SHD)	2700	ADDITIONAL FLIGHT DATA: HOLD SW, LT, 046.66 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD W MOL VOR/DME, LT, 091.00 INBOUND. CHART FAS OBST: 1369 TOWER 381259N/0785725W CHART IN PLANVIEW: MOL VOR/DME.	

1. PT R SIDE OF COURSE 227.20 OUTBOUND 3600 FT WITHIN 10 MILES OF SH LOM (IAF)
2.
3. FAC: 047.20 FAF: STAUT LOM DIST FAF TO MAP: 4.21 THLD: 4.21
4. MIN. ALT: STAUT LOM 2700*
5. DIST TO THLD FROM OM: 4.21 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1000
6. MIN GS INCPT: 3100 GS ALT AT: GS INTCP 3100 OM: 2588 MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.6
8. MSA FROM: SH LOM 360-180 5100, 180-360 5700

MAG VAR: 9W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		ILS: STANDARD #		LOC: STANDARD @						
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 5	1384	1/2	200	1384	1/2	200	1384	1/2	200	1384	1/2	200				
S-LOC 5	1620	1/2	436	1620	1/2	436	1620	3/4	436	1620	1	436				
CIRCLING	1620	1	419	1660	1	459	1660	1 1/2	459	1820	2	619				

NOTES:
CHART NOTE: ADF REQUIRED.
CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1494 FEET.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
*LOC ONLY
SEE 8260-10

CAT D 700-2
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
1
CHECKED

CITY AND STATE STAUNTON/WAYNESBORO/HARRISONBURG, VA	ELEVATION: 1201 TDZE: 1184 AIRPORT NAME: SHENANDOAH VALLEY REGIONAL	FACILITY IDENTIFIER: I-SHD	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 5, AMDT 9 27 AUG 2009	SUP: AMDT: 8B DATED 11/20/2008

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART PROFILE NOTE: MAXIMUM ENTRY ALTITUDE 6000 AT SH LOM.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLOTTESVILLE ALTIMETER SETTING AND INCREASE ALL DA 130 FEET, ALL MDA 140 FEET. INCREASE ILS VISIBILITY 1/4 MILE ALL CATS, LOC

VISIBILITY CAT C/D 1/4 MILE AND CIRCLING CAT D 1/2 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING CHARLOTTESVILLE ALTIMETER SETTING, INCREASE ILS VISIBILITY TO 1 1/4 MILES.

CITY AND STATE

STAUNTON/WAYNESBORO/HARRISONBUR
G, VA

ELEVATION: 1201 TDZE: 1184

AIRPORT NAME:

SHENANDOAH VALLEY REGIONAL

FACILITY
IDENTIFIER:

I-SHD

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 5, AMDT 9

27 AUG 2009

SUP:

AMDT: 8B

DATED: 11/20/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR 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	MAP: 4.21 MILES AFTER STAUT LOM
CEROL INT	STAUT LOM	237.25 / 10.33	4600	CLIMB TO 2400 THEN CLIMBING LEFT TURN TO 3600 DIRECT SH LOM AND HOLD.
TURGA INT	STAUT LOM	297.92 / 12.18	5100	
MOL VOR/DME	STAUT LOM	026.39 / 19.39	5400	
				ADDITIONAL FLIGHT DATA: HOLD SW, LT, 046.66 INBOUND. CHART FAS OBST: 1369 TOWER 381259N/0785725W STAUT LOM TO RW05: 3.50/60.

1. PT R SIDE OF COURSE 226.66 OUTBOUND 3700 FT WITHIN 10 MILES OF STAUT LOM (IAF)
2. _____
3. FAC 046.66 FAF STAUT LOM DIST FAF TO MAP 4.21 THLD 4.21
4. MIN. ALT STAUT LOM 2800
8. MSA FROM: SH LOM 360-180 5100, 180-360 5700

MAG VAR: 9W EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @						
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-5	1760	3/4	576	1760	3/4	576	1760	1	576	1760	1 1/2	576			
CIRCLING	1760	1	559	1760	1	559	1760	1 1/2	559	1820	2	619			

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLOTTESVILLE ALTIMETER SETTING:
INCREASE ALL MDAS 140 FEET AND VISIBILITY S-5 AND CIRCLING CAT C/D 1/2 MILE.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART PLANVIEW NOTE: MAXIMUM ENTRY ALTITUDE 6000 AT STAUT LOM.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
CHECKED

CITY AND STATE STAUNTON/WAYNESBORO/HARRISONBURG, VA	ELEVATION: 1201	TDZE: 1184	FACILITY IDENTIFIER: SH	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 5, AMDT 10 27 AUG 2009	SUP NDB OR GPS RWY
	AIRPORT NAME: SHENANDOAH VALLEY REGIONAL	5			
		AMDT			9C
		DATE			11/20/2008

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW05 CLIMB TO 5200 DIRECT HAPED AND LEFT TURN VIA TRACK 304.47 TO JATIR AND LEFT TURN VIA TRACK 199.22 TO GABEL AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1287 TREE 381440N/0785450W CHART FAS OBST: 1369 TOWER 381259N/0785725W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.21 MILES TO RW05* *LNAV ONLY. WAAS CHANNEL # 81913 REFERENCE PATH ID: W05A											
CEROL	GABEL (FO)	232.10 / 21.93	5200												
BOOME (IAF)	GABEL (NOPT) (FB)	071.28 / 17.10	5200												
MOL VOR/DME (IAF)	GABEL (NOPT) (FB)	007.99 / 8.89	5200												
GABEL (IF)	CIBRO (FB)	047.07 / 11.02	2800												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW GABEL, LT, 047.07 INBOUND, 5200 FT. IN LIEU OF PT (IAF) 3. FAC: 047.16 FAF: CIBRO DIST FAF TO MAP: 4.86 THLD: 4.86 4. MIN. ALT: GABEL 5200, CIBRO 2800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2800 GS ALT AT: CIBRO OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.6 34:1 IS CLEAR 8. MSA FROM: RW05 5700				MAG VAR: 9W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	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	1384	1/2	200	1384	1/2	200	1384	1/2	200	1384	1/2	200			
LNAV/VNAV DA	1563	3/4	379	1563	3/4	379	1563	3/4	379	1563	3/4	379			
LNAV MDA	1620	1/2	436	1620	1/2	436	1620	3/4	436	1620	1	436			
CIRCLING	1620	1	419	1660	1	459	1660	1 1/2	459	1820	2	619			
NOTES: CHART NOTE: FOR INOPERATIVE MALSR WHEN USING CHARLOTTESVILLE ALTIMETER SETTING, INCREASE LPV VISIBILITY TO 1 1/4 MILE. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 1201 TDZE: 1184		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
STAUNTON/WAYNESBORO/HARRISONBURG, VA		AIRPORT NAME: SHENANDOAH VALLEY REGIONAL				RNAV (GPS) RWY 5, ORIG 27 AUG 2009				AMDT: NONE					
										DATED					

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MOL VOR/DME VIA AIRWAY RADIALS 009 CW 058.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLOTTESVILLE ALTIMETER SETTING AND INCREASE ALL DA 130 FEET, ALL MDA 140 FEET. INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV

ALL CATS 1/2 MILE, LNAV CAT C/D 1/4 MILE AND CIRCLING CAT D 1/2 MILE.

CITY AND STATE

STAUNTON/WAYNESBORO/HARRISONBUR
G, VA

ELEVATION: 1201 TDZE: 1184

AIRPORT NAME:

SHENANDOAH VALLEY REGIONAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 5, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KSHD
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	381526.5215N
LTP/FTP LONGITUDE	0785410.4230W
LTP/FTP ELLIPSOIDAL HEIGHT	+03255
FPAP LATITUDE	381613.1800N
FPAP LONGITUDE	0785323.8400W
THRESHOLD CROSSING HEIGHT (TCH)	00055.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

838A94DA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03579
FPAP ORTHOMETRIC HEIGHT	+03579

CITY AND STATE	ELEVATION: 1201 TDZE: 1184	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
STAUNTON/WAYNESBORO/HARRISONBURG, VA	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 5, ORIG	AMDT: NONE
	SHENANDOAH VALLEY REGIONAL		27 AUG 2009	DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KSHDK6FR05	ABOOME	010BOOMEK6EA0E	A	IF						18000		A	JS
SUSAP KSHDK6FR05	ABOOME	020GABELK6EA0EE		010TF			07130171	+	05200			A	JS
SUSAP KSHDK6FR05	ACEROL	010CEROLK6EA0E		IF						18000		A	JS
SUSAP KSHDK6FR05	ACEROL	020GABELK6EA0EY		020TF			23210219	+	05200			A	JS
SUSAP KSHDK6FR05	ACEROL	030GABELK6EA0EE	AL	HF			04710050	+	05200			A	JS
SUSAP KSHDK6FR05	AMOL	010MOL K6D 0V	A	IF						18000		A	JS
SUSAP KSHDK6FR05	AMOL	020GABELK6EA0EE		010TF			00800089	+	05200			A	JS
SUSAP KSHDK6FR05	R	010GABELK6EA0E	I	IF				+	05200	18000		A	JS
SUSAP KSHDK6FR05	R	020CIBROK6EA1E	F	051TF			04710110	+	02800		RW05	K6PGA	JS
SUSAP KSHDK6FR05	R	020CIBROK6EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KSHDK6FR05	R	030RW05 K6PG0GY	M	031TF			04720049			01230	-300		A JS
SUSAP KSHDK6FR05	R	040HAPEDK6EA0E	M	010DF									A JS
SUSAP KSHDK6FR05	R	050JATIRK6EA0E		L010TFY			3045						A JS
SUSAP KSHDK6FR05	R	060GABELK6EA0EY		L010TFY			1992	+	05200				A JS
SUSAP KSHDK6FR05	R	070GABELK6EA0EE		L020HM			04710050	+	05200				A JS

QUALITY
CHECKED

ELEVATION: 1201 TDZE: 1184
AIRPORT NAME:
SHENANDOAH VALLEY REGIONAL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 5, ORIG
27 AUG 2009

SUP:	
AMDT:	NONE
DATED:	

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

SUSAP KSHDK6GRW05 0060020472 N38152652W078541042+0400 +0325501174000056150I

SUSAP KSHDK6PR05	RW05 001	0000W05A0N3815265215W07854104230+032550300N3816131800W07853238400106750000000556F400350838A94DA
SUSAP KSHDK6PR05	RW05 002E	+03579+03579LPV 81913

SUSAP KSHDK6SRW05 K6PG	0	18018005725	M

QUALITY
1
PHOTO

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BOOME	BOOME	010	IAF	IF		FB				
	BOOME	GABEL	020		TF		FB	1.0	071.3 (062T)	017.1	05200
	CEROL	CEROL	010		IF		FB				
	CEROL	GABEL	020		TF		FO	2.0	232.1 (223T)	021.9	05200
	CEROL	GABEL	030	IAF	HF	L	FO		047.1 (038T)	005.0	05200
	MOL	MOL	010	IAF	IF		FB				
	MOL	GABEL	020		TF		FB	1.0	008.0 (359T)	008.9	05200
		GABEL	010	FACF	IF		FB				05200
		CIBRO	020	FAF	TF		FB	0.5	047.1 (038T)	011.0	02800
		RW05	030	MAP	TF		FO	0.3	047.2 (038T)	004.9	01230

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HAPED	040		DF		FB	1.0			
	JATIR	050		TF	L	FB	1.0	304.5 (296T)		
	GABEL	060		TF	L	FO	1.0	199.2 (190T)		05200
	GABEL	070		HM	L	FO	2.0	047.1 (038T)	005.0	05200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MOL	N375401.89	W0790624.80	N3754.032	W07906.413
	BOOME	N375459.80	W0792546.25	N3754.997	W07925.771
	CEROL	N381859.12	W0784738.77	N3818.985	W07847.646
	CIBRO	N381136.84	W0785759.38	N3811.614	W07857.990
	GABEL	N380255.89	W0790636.74	N3802.932	W07906.612
	HAPED	N382043.52	W0784853.53	N3820.725	W07848.892
	JATIR	N382525.98	W0790129.00	N3825.433	W07901.483
	RW05	N381526.52	W0785410.42	N3815.442	W07854.174

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW05	01174	56

QUALITY
CHECKED

CITY AND STATE STAUNTON/WAYNESBORO/HARRISONBUR G, VA	ELEVATION: 1201 TDZE: 1184	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, ORIG 27 AUG 2009	SUP:
	AIRPORT NAME: SHENANDOAH VALLEY REGIONAL			AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
MITER	OLAJO (FB)	000.07 / 11.42	5800	LPV: DA LNAV/VNAV: DA LNAV: RW23
TTUMS	ASGOF (FB)	114.70 / 12.83	5600	
LURAY (IAF)	ADIOS (NOPT) (FB)	226.11 / 10.64	4800	CLIMB TO 5300 DIRECT GABEL AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5300.
OLAJO (IAF)	ADIOS (NOPT) (FB)	317.38 / 5.00	4800	
ASGOF (IAF)	ADIOS (NOPT) (FB)	137.28 / 5.00	4800	ADDITIONAL FLIGHT DATA: HOLD SW, LT, 047.07 INBOUND. CHART FAS OBST: 1269 TREE 381605N/0785317W CHART FAS OBST: 1260 TREE 381622N/0785337W 1799 AAO 382306N/0784709W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. WAAS CHANNEL # 78113 REFERENCE PATH ID: W23A
ADIOS (IF/IAF)	ELOPY (FB)	227.32 / 3.20	4300	
ELOPY	FLLAT (FB)	227.30 / 2.90	3900	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NE ADIOS, RT, 227.32 INBOUND, 4800 FT. IN LIEU OF PT (IAF)
3. FAC: 227.28 FAF: FLLAT DIST FAF TO MAP: 8.15 THLD: 8.15
4. MIN. ALT: ADIOS 4800, ELOPY 4300, FLLAT 3900, DORDE/3.00 NM TO RW23 2200*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 3900 GS ALT AT: FLLAT OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM: RW23 5700

MAG VAR: **9W**

EPOCH YEAR: **2010**

MINIMUMS

TAKEOFF:		STANDARD	X	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		1451	1	250	1451	1	250	1451	1	250	1451	1	250			
LNAV/VNAV DA		1530	1 1/4	329	1530	1 1/4	329	1530	1 1/4	329	1530	1 1/4	329			
LNAV MDA		1520	1	319	1520	1	319	1520	1	319	1520	1	319			
CIRCLING		1600	1	399	1660	1	459	1660	1 1/2	459	1820	2	619			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING CHARLOTTESVILLE ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE STAUNTON/WAYNESBORO/HARRISONBU RG, VA	ELEVATION: 1201 TDZE: 1201 AIRPORT NAME: SHENANDOAH VALLEY REGIONAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, ORIG 27 AUG 2009	SUP: AMDT: NONE DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.***LNAV ONLY**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHARLOTTESVILLE ALTIMETER SETTING AND INCREASE ALL DA 130 FEET, ALL MDA 140 FEET. INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY 1/4

MILE, LNAV CAT C VISIBILITY 1/4 MILE AND LNAV CAT D AND CIRCLING CAT D VISIBILITY 1/2 MILE.

CHART NOTE: PROCEDURE NA FOR ARRIVAL AT TTUMS ON V377 NORTHBOUND, AND LURAY ON V143 NORTHEAST BOUND, AND MITER ON V38 SOUTHEAST BOUND AND V140 SOUTHWEST BOUND.

CITY AND STATE

STAUNTON/WAYNESBORO/HARRISONBUR
G, VA

ELEVATION: 1201 TDZE: 1201

AIRPORT NAME:

SHENANDOAH VALLEY REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSHD
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	381613.1435N
LTP/FTP LONGITUDE	0785323.8830W
LTP/FTP ELLIPSOIDAL HEIGHT	+03336
FPAP LATITUDE	381503.0500N
FPAP LONGITUDE	0785433.8400W
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	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

13737E2F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+03660
FPAP ORTHOMETRIC HEIGHT	+03660

CITY AND STATE

STAUNTON/WAYNESBORO/HARRISONBUR
G, VA

ELEVATION: 1201 TDZE: 1201

AIRPORT NAME:

SHENANDOAH VALLEY REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KSHDK6FR23	AADIOS	010ADIOSK6EA0EE	AR	HF		22730050	+	04800	18000		A	JS
SUSAP	KSHDK6FR23	ALURAY	010LURAYK6EA0E	A	IF					18000		A	JS
SUSAP	KSHDK6FR23	ALURAY	020ADIOSK6EA0EE		010TF		22610106	+	04800			A	JS
SUSAP	KSHDK6FR23	AMITER	010MITERK6EA0E		IF					18000		A	JS
SUSAP	KSHDK6FR23	AMITER	020OLAJOK6EA0E	A	020TF		00010114	+	05800			A	JS
SUSAP	KSHDK6FR23	AMITER	030ADIOSK6EA0EE		010TF		31740050	+	04800			A	JS
SUSAP	KSHDK6FR23	ATTUMS	010TTUMSK6EA0E		IF					18000		A	JS
SUSAP	KSHDK6FR23	ATTUMS	020ASGOFK6EA0E	A	020TF		11470128	+	05600			A	JS
SUSAP	KSHDK6FR23	ATTUMS	030ADIOSK6EA0EE		010TF		13730050	+	04800			A	JS
SUSAP	KSHDK6FR23	R	010ADIOSK6EA0E	I	IF			+	04800	18000		A	JS
SUSAP	KSHDK6FR23	R	011ELOPYK6EA0E	S	051TF		22730032	+	04300			A	JS
SUSAP	KSHDK6FR23	R	020FLLATK6EA1E	F	051TF		22730029	+	03900		RW23	K6PGA	JS
SUSAP	KSHDK6FR23	R	020FLLATK6EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KSHDK6FR23	R	021DORDEK6EA0E	S	031TF		22730052	V	0220002209		-300	A	JS
SUSAP	KSHDK6FR23	R	030RW23	K6PGOGY	M	031TF	22730030		01246		-300	A	JS
SUSAP	KSHDK6FR23	R	040GABELK6EA0EYM		010DF			+	05300			A	JS
SUSAP	KSHDK6FR23	R	050GABELK6EA0EE		L020HM		04710050	+	05300			A	JS

QUALITY
CHECKED

SUP:	
AMDT:	NONE
DATED:	

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KSHDK6GRW23	0060022272	N38161314W078532388-0400											+0333601201000045150R

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KSHDK6PR23	RW23 001 0000W23A0N3816131435W07853238830+033360300N3815030500W07854338400106750920000450P40050013737E2F												
SUSAP KSHDK6PR23	RW23 002E	+03660+03660LPV											78113

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP KSHDK6SRW23 K6PG				0	18018005725								M

CITY AND STATE
STAUNTON/WAYNESBORO/HARRISONBUR
G, VA

ELEVATION: 1201 TDZE: 1201
AIRPORT NAME:
SHENANDOAH VALLEY REGIONAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23, ORIG
27 AUG 2009

SUP:
AMDT: NONE
DATED:

QUALITY
CHECKED

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ADIOS	ADIOS	010	IAF	HF	R	FB		227.3 (218T)	005.0	04800
	LURAY	LURAY	010	IAF	IF		FB				
	LURAY	ADIOS	020		TF		FB	1.0	226.1 (217T)	010.6	04800
	MITER	MITER	010		IF		FB				
	MITER	OLAJO	020	IAF	TF		FB	2.0	000.1 (351T)	011.4	05800
	MITER	ADIOS	030		TF		FB	1.0	317.4 (308T)	005.0	04800
	TTUMS	TTUMS	010		IF		FB				
	TTUMS	ASGOF	020	IAF	TF		FB	2.0	114.7 (106T)	012.8	05600
	TTUMS	ADIOS	030		TF		FB	1.0	137.3 (128T)	005.0	04800
		ADIOS	010	FACF	IF		FB				04800
		ELOPY	011	SDF	TF		FB	0.5	227.3 (218T)	003.2	04300
		FLLAT	020	FAF	TF		FB	0.5	227.3 (218T)	002.9	03900
		DORDE	021	SDF	TF		FB	0.3	227.3 (218T)	005.2	0220002209
		RW23	030	MAP	TF		FO	0.3	227.3 (218T)	003.0	01246

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GABEL	040		DF		FO	1.0			05300
	GABEL	050		HM	L	FO	2.0	047.1 (038T)	005.0	05300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ADIOS	N382725.13	W0784210.61	N3827.419	W07842.177
	ASGOF	N383031.27	W0784710.42	N3830.521	W07847.174
	DORDE	N381834.70	W0785102.43	N3818.578	W07851.041
	ELOPY	N382454.32	W0784442.10	N3824.905	W07844.702
	FLLAT	N382237.58	W0784659.26	N3822.626	W07846.988
	GABEL	N380255.89	W0790636.74	N3802.932	W07906.612
	LURAY	N383555.08	W0783400.16	N3835.918	W07834.003
	MITER	N381301.18	W0783455.97	N3813.020	W07834.933
	OLAJO	N382418.77	W0783711.22	N3824.313	W07837.187
	TTUMS	N383400.82	W0790254.25	N3834.014	W07902.904
	RW23	N381613.14	W0785323.88	N3816.219	W07853.398

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW23	01201	45



CITY AND STATE STAUNTON/WAYNESBORO/HARRISONBURG, VA	ELEVATION: 1201 TDZE: 1201	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, ORIG 27 AUG 2009	SUP:
	AIRPORT NAME: SHENANDOAH VALLEY REGIONAL			AMDT: NONE
				DATED:

GRAPHIC DEPARTURE PROCEDURE (DP)



OBSTACLE



SID



RNAV

1. Bearings, headings, courses, tracks, and radials are magnetic.
2. Distances are in nautical miles.
3. Altitudes are minimum altitudes unless otherwise indicated.
4. Graphic depiction attached.

(1) DP Route Description:

TAKEOFF RWY 5: CLIMB HEADING 060.00 TO 6000 TO INTERCEPT MOL VOR/DME R-036 OUTBOUND, THENCE...

TAKEOFF RWY 23: CLIMBING LEFT TURN TO 6000 HEADING 200.00 TO INTERCEPT MOL VOR/DME R-036 INBOUND, THENCE...

...EXPECT RADAR VECTORS TO FILED/ASSIGNED ROUTE. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

(2) Transition Routes (Graphic Depiction Only)

(a) Transition Name	(b) Transition Computer Codes	(c) From FIX/NAVAID	(d) To FIX/NAVAID	(e) Course / Distance	(f) MEA / MOCA	(g) Crossing Altitudes/Fixes

(3) Procedural Data Notes / Takeoff Minimums:

NOTE: RADAR REQUIRED

TAKEOFF MINIMUMS: RWY 5, STANDARD WITH MINIMUM CLIMB OF 300 FEET PER NM TO 6000. RWY 23, STANDARD WITH MINIMUM CLIMB OF 300 FEET PER NM TO 6000.

(4) Takeoff Obstacle Notes:

NOTE: RWY 5, TREES 1720' FROM DER, 635' RIGHT OF CENTERLINE, UP TO 100' AGL/1279' MSL.

NOTE: RWY 23, TREE 679' FROM DER, 616' LEFT OF CENTERLINE, 35' AGL/1194' MSL.

(5) Controlling Obstacles:

RWY 5: 3122 MSL AAO 382331.90N/0784605.80W.

(6) Fixes and/or NAVAID'S :

(7) DP Name SHENANDOAH	(8) Number ONE	(9) DP Computer Code SNDOA1.SNDOA	(10) Superseded Number NONE	(11) Dated	(12) Effective Date 27 AUG 2009

(13) Airports Served					
Airport Name	SHENANDOAH VALLEY RGNL		City/State	STAUNTON/WAYNESBORO/HARRISONBURG, VA	
Airport Name			City/State		
Airport Name			City/State		
Airport Name			City/State		
Airport Name			City/State		
Airport Name			City/State		
Airport Name			City/State		
(14) Lost Communications Procedures:					
(15) Communications: AWOS, CTAF, APP CON, ARTCC					
(16) Additional Flight Data:					
CHART V-143					
(17) Continuation:					
(7) DP Name	(8) Number	(9) DP Computer Code	(10) Superseded Number	(11) Dated	(12) Effective Date
SHENANDOAH	ONE	SNDOA1.SNDOA	NONE		27 AUG 2009

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 5, STANDARD WITH A MINIMUM CLIMB OF 273' PER NM TO 3800, OR 2200 - 2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

RWY 23, STANDARD, OR 2200 - 2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 5 - CLIMB HEADING 047.20 TO 3400 BEFORE TURNING RIGHT, OR FOR CLIMB IN VISUAL CONDITIONS CROSS SHENANDOAH VALLEY REGIONAL AIRPORT AT OR ABOVE 3300 BEFORE PROCEEDING ON COURSE.

RWY 23 - CLIMB HEADING 227.21 TO 4400 BEFORE PROCEEDING ON COURSE, OR FOR CLIMB IN VISUAL CONDITIONS CROSS SHENANDOAH VALLEY REGIONAL AIRPORT AT OR ABOVE 3300 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5, TREES 1720' FROM DER, 635' RIGHT OF CENTERLINE, UP TO 100' AGL/1279' MSL.

NOTE: RWY 23, TREE 679' FROM DER, 616' LEFT OF CENTERLINE, 35' AGL/1194' MSL.

(4) CONTROLLING OBSTACLES:

RWY 5: 3122 MSL AAO 382331.90N/0784605.80W, 3787 MSL AAO 382011.20N/0783306.67W.

RWY 23: 4663 MSL AAO 381000.00N/0791843.00W, 3319 MSL AAO 380832.88N/0784631.82W.

RWY 5, 23 (VCOA): 1581 MSL TOWER 381744.15N/0785544.03W, 3574 MSL AAO 381330.10N/0784507.00W.

(5) City, State **STAUNTON/
WAYNESBORO/HARRISONBURG, VA**

(6) Airport **SHENANDOAH VALLEY RGNL**

(7) Effective Date
27 AUG 2009

(8) Amdt. No.
6

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.32 MILES AFTER CODEE LOM			
TALOR INT	CODEE LOM	266.13 / 18.10	2500	CLIMB TO 2500 THEN LEFT TURN DIRECT EN LOM AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 2400 THEN CLIMBING LEFT TURN TO 3000 VIA HEADING 280 AND JVL VOR/DME R-073 TO VEENA INT/JVL 36.57 DME AND HOLD E, RT, 252.79 INBOUND.			
				ADDITIONAL FLIGHT DATA: HOLD SW, LT, 065.75 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD E VEENA INT/JVL 36.57 DME, RT, 252.79 INBOUND. FAS OBST: 989 AAO 423336N/0880010W CHART IN PLANVIEW: VEENA INT/JVL 36.57 DME. CHART AIRPORT ELEVATION: 742. CHART TDZE: 742.			
1. PT <u>R</u> SIDE OF COURSE <u>245.75</u> OUTBOUND <u>2500</u> FT WITHIN <u>10</u> MILES OF <u>CODEE LOM</u> (IAF) 2. _____ 3. FAC: <u>065.75</u> FAF: <u>CODEE LOM</u> DIST FAF TO MAP: <u>4.32</u> THLD: <u>4.32</u> 4. MIN. ALT: <u>CODEE LOM 2400</u> 5. DIST TO THLD FROM OM: <u>4.32</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1133</u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>GS INTCP</u> OM: <u>2193</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.4</u> 8. MSA FROM: <u>EN LOM 2600</u>				MAG VAR: <u>2W</u> EPOCH YEAR: <u>1990</u>			
MINIMUMS							
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @	
CATEGORY ==>	A		B		C		D
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA
S-ILS 7L	942	1/2	200	942	1/2	200	942
S-LOC 7L	1180	1/2	438	1180	1/2	438	1180
CIRCLING	1200	1	458	1200	1	458	1340
NOTES: CHART NOTE: ADF REQUIRED. CHART PLANVIEW NOTE: ADF REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUKEGAN REGIONAL ALTIMETER SETTING AND INCREASE ALL DA 27 FEET AND ALL MDA 40 FEET.							
CITY AND STATE KENOSHA, WI				ELEVATION: 742 TDZE: 742 AIRPORT NAME: KENOSHA RGNL		FACILITY IDENTIFIER: I-ENW	
PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 7L, AMDT 3 27 AUG 2009				SUP: ILS RWY 6L AMDT: 2B DATED 12/03/1998			

@ NA WHEN CONTROL TOWER CLOSED.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
2
CHECKED

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF:	☐ STANDARD	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 27 AUG 2009



CITY AND STATE KENOSHA, WI	ELEVATION: 743 TDZE: 743 AIRPORT NAME: KENOSHA RGNL	FACILITY IDENTIFIER: ENWEN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB OR GPS RWY 6L, AMDT 1C, 08/10/2000	SUP AMDT 1B DATE 10/19/1998

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33**

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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
OBK VOR/DME	FARIV (FB)	332.95 / 14.80	3000	LPV: DA LNAV/VNAV: DA LNAV: RW07L CLIMB TO 3000 DIRECT BOCIJ AND LEFT TURN VIA TRACK 332.85 TO NOVAC AND VIA TRACK 258.38 TO VEENA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 257.79 INBOUND. CHART FAS OBST: 894 TOWER 423522N/0875802W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. WAAS CHANNEL # 50314 REFERENCE PATH ID: W07A											
FARIV (IAF)	DIKHU (FB)	335.63 / 5.00	3000												
FARMM (IAF)	DIKHU (FB)	041.46 / 13.67	3000												
VEENA (IAF)	DIKHU (FB)	153.74 / 13.14	3000												
DIKHU (IF)	AHYOB (FB)	065.60 / 6.02	2400												
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT DIKHU 3. FAC: <u>065.68</u> FAF: <u>AHYOB</u> DIST FAF TO MAP: <u>4.96</u> THLD: <u>4.96</u> 4. MIN. ALT: <u>DIKHU 3000, AHYOB 2400, TABTE/1.60 NM TO RW07L 1280*</u> 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>2400</u> GS ALT AT: <u>AHYOB</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.4</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW07L 2600</u>				MAG VAR: 2W EPOCH YEAR: 1990											
MINIMUMS															
TAKEOFF:	STANDARD	X	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	942	1/2	200	942	1/2	200	942	1/2	200	942	1/2	200			
LNAV/VNAV DA	1179	1	437	1179	1	437	1179	1	437	1179	1	437			
LNAV MDA	1160	1/2	418	1160	1/2	418	1160	3/4	418	1160	1	418			
CIRCLING	1200	1	458	1200	1	458	1200	1 1/2	458	1340	2	598			
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO 1 1/4 MILE. CHART NOTE: BARO-VNAV NA WHEN USING WAUKEGAN REGIONAL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10															
CITY AND STATE				ELEVATION: 742 TDZE: 742		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
KENOSHA, WI				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 7L, ORIG				AMDT: NONE			
				KENOSHA RGNL				27 AUG 2009				DATED			

QUALITY
2
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUKEGAN REGIONAL ALTIMETER SETTING AND INCREASE ALL DA 27 FEET AND ALL MDA 40 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON OBK VOR/DME VIA V191 SOUTH BOUND.

QUALITY
2
CHECKED

CITY AND STATE

KENOSHA, WI

ELEVATION: 742 TDZE: 742

AIRPORT NAME:

KENOSHA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7L, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KENW
RUNWAY	RW07L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	423534.8020N
LTP/FTP LONGITUDE	0875630.1805W
LTP/FTP ELLIPSOIDAL HEIGHT	+01917
FPAP LATITUDE	423558.8200N
FPAP LONGITUDE	0875524.2400W
THRESHOLD CROSSING HEIGHT (TCH)	00055.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	103.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

468131D1

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02263
FPAP ORTHOMETRIC HEIGHT	+02263

QUALITY
2
CHECKED

CITY AND STATE KENOSHA, WI	ELEVATION: 742 TDZE: 742 AIRPORT NAME: KENOSHA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7L, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KENWK5FR07L	AFARMM	010FARMMK5EA0E	A	IF					18000		A	JS
SUSAP	KENWK5FR07L	AFARMM	020DIKHUK5EA0EE		010TF		04150137	+	03000			A	JS
SUSAP	KENWK5FR07L	AOBK	010OBK	K5D	0V					18000		A	JS
SUSAP	KENWK5FR07L	AOBK	020FARIVK5EA0E	A	020TF		33300148	+	03000			A	JS
SUSAP	KENWK5FR07L	AOBK	030DIKHUK5EA0EE		010TF		33560050	+	03000			A	JS
SUSAP	KENWK5FR07L	AVEENA	010VEENAK5EA0E	A	IF					18000		A	JS
SUSAP	KENWK5FR07L	AVEENA	020DIKHUK5EA0EE		010TF		15370131	+	03000			A	JS
SUSAP	KENWK5FR07L	R	010DIKHUK5EA0E	I	IF			+	03000	18000		A	JS
SUSAP	KENWK5FR07L	R	020AHYOBK5EA1E	F	051TF		06560060	+	02400		RW07L	K5PGA	JS
SUSAP	KENWK5FR07L	R	020AHYOBK5EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KENWK5FR07L	R	021TABTEK5EA0E	S	031TF		06570034	V	0128001310	-300		A	JS
SUSAP	KENWK5FR07L	R	030RW07LK5PGOGY	M	031TF		06570016		00798	-300		A	JS
SUSAP	KENWK5FR07L	R	040BOCIJK5EA0E	M	010DF							A	JS
SUSAP	KENWK5FR07L	R	050NOVACK5EA0E		L010TFY		3329					A	JS

QUALITY
CHECKED

CITY AND STATE KENOSHA, WI	ELEVATION: 742 TDZE: 742 AIRPORT NAME: KENOSHA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7L, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

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

QUALITY
1
CHECKED

PAGE 5 OF 6 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FARMM	FARMM	010	IAF	IF		FB				
	FARMM	DIKHU	020		TF		FB	1.0	041.5 (040T)	013.7	03000
	OBK	OBK	010		IF		FB				
	OBK	FARIV	020	IAF	TF		FB	2.0	333.0 (331T)	014.8	03000
	OBK	DIKHU	030		TF		FB	1.0	335.6 (334T)	005.0	03000
	VEENA	VEENA	010	IAF	IF		FB				
	VEENA	DIKHU	020		TF		FB	1.0	153.7 (152T)	013.1	03000
		DIKHU	010	FACF	IF		FB				03000
		AHYOB	020	FAF	TF		FB	0.5	065.6 (064T)	006.0	02400
		TABTE	021	SDF	TF		FB	0.3	065.7 (064T)	003.4	0128001310
		RW07L	030	MAP	TF		FO	0.3	065.7 (064T)	001.6	00798

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BOCIJ	040		DF		FB	1.0			
	NOVAC	050		TF	L	FB	1.0	332.9 (331T)		
	VEENA	060		TF		FO	1.0	258.4 (256T)		03000
	VEENA	070		HM	R	FO	2.0	257.8 (256T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	OBK	N421317.30	W0875706.50	N4213.288	W08757.108
	AHYOB	N423322.90	W0880231.53	N4233.382	W08802.526
	BOCIJ	N423813.60	W0874913.44	N4238.227	W08749.224
	DIKHU	N423042.55	W0880949.08	N4230.709	W08809.818
	FARIV	N422613.71	W0880648.94	N4226.229	W08806.816
	FARMM	N422009.58	W0882133.92	N4220.160	W08821.565
	NOVAC	N424624.47	W0875525.19	N4246.408	W08755.420
	TABTE	N423452.31	W0875826.72	N4234.872	W08758.445
	VEENA	N424217.56	W0881813.93	N4242.293	W08818.232
	RW07L	N423534.80	W0875630.18	N4235.580	W08756.503

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW07L	00742	55

QUALITY
1
CHECKED

CITY AND STATE
KENOSHA, WI

ELEVATION: 742 TDZE: 742
AIRPORT NAME:
KENOSHA RGNL

**FACILITY
IDENTIFIER:**
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 7L, ORIG
27 AUG 2009

SUP:
AMDT: NONE
DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW15
PETTY	KILME (FB)	266.44 / 15.76	3000	CLIMBING RIGHT TURN TO 3000 DIRECT VEENA AND HOLD.
KILME (IAF)	IPIGY (FB)	235.69 / 5.00	3000	
VEENA (IAF)	IPIGY (FB)	076.00 / 10.29	3000	
IPIGY (IF)	KENUF (FB)	145.63 / 6.10	2400	
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 257.79 INBOUND. CHART FAS OBST: 894 TRMSN TWR 423710N/0875803W KENUF TO RW15: 3.05/45. CHART: 1095 TOWER 423954N/0880058W.

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT IPIGY
- FAC: 145.68 FAF: KENUF DIST FAF TO MAP: 5.07 THLD: 5.07
- MIN. ALT: IPIGY 3000, KENUF 2400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW15 2600

MAG VAR: 2W EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:	STANDARD	X	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	1200	1	479	1200	1	479	1200	1 1/4	479	1200	1 1/2	479			
CIRCLING	1200	1	458	1200	1	458	1200	1 1/2	458	1340	2	598			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PETTY VIA V170 SOUTHEAST BOUND.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE KENOSHA, WI	ELEVATION: 742 TDZE: 721 AIRPORT NAME: KENOSHA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, ORIG 27 AUG 2009	SUP: AMDT: NONE DATED

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - 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.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUKEGAN REGIONAL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE LNAV CATS C/D VISIBILITY 1/4 MILE.

QUALITY
2
CHECKED

CITY AND STATE

KENOSHA, WI

ELEVATION: 742 TDZE: 721

AIRPORT NAME:

KENOSHA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 15, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

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

QUALITY
CHECKED

PAGE 3 OF 4 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	PETTY	PETTY	010		IF		FB				
	PETTY	KILME	020	IAF	TF		FB	2.0	266.4 (264T)	015.8	03000
	PETTY	IPIGY	030		TF		FB	1.0	235.7 (234T)	005.0	03000
	VEENA	VEENA	010	IAF	IF		FB				
	VEENA	IPIGY	020		TF		FB	1.0	076.0 (074T)	010.3	03000
		IPIGY	010	FACF	IF		FB				03000
		KENUF	020	FAF	TF		FB	0.5	145.6 (144T)	006.1	02400
		RW15	030	MAP	TF		FO	0.3	145.7 (144T)	005.1	00761

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	VEENA	040		DF	R	FO	1.0			03000
	VEENA	050		HM	R	FO	2.0	257.8 (256T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IPIGY	N424506.99	W0880448.58	N4245.117	W08804.810
	KENUF	N424012.32	W0875954.59	N4240.205	W08759.910
	KILME	N424804.81	W0875920.45	N4248.080	W08759.341
	PETTY	N424938.48	W0873802.11	N4249.641	W08738.035
	VEENA	N424217.56	W0881813.93	N4242.293	W08818.232
	RW15	N423606.84	W0875550.43	N4236.114	W08755.841

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW15	00716	45

QUALITY
1
CHECKED

CITY AND STATE
KENOSHA, WI

ELEVATION: 742 TDZE: 721
 AIRPORT NAME:
 KENOSHA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 15, ORIG
 27 AUG 2009

SUP:
 AMDT: NONE
 DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
TALOR (IAF)	GAVSE (FB)	330.42 / 6.39	3000	LPV: DA LNAV/VNAV: DA LNAV: RW25R CLIMB TO 3000 DIRECT AHYOB AND VIA TRACK 309.62 TO VEENA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 257.79 INBOUND. CHART FAS OBST: 794 TREE 423612N/0875523W CHART FAS OBST: 800 TREE 423622N/0875554W DISTANCE TO THLD FROM 250 HAT: 0.70 NM. WAAS CHANNEL # 49014 REFERENCE PATH ID: W25A											
PETTY (IAF)	GAVSE (FB)	200.00 / 9.21	3000												
GAVSE (IF)	BOCIJ (FB)	245.91 / 6.02	2400												
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT GAVSE 3. FAC: 245.83 FAF: BOCIJ DIST FAF TO MAP: 5.09 THLD: 5.09 4. MIN. ALT: GAVSE 3000, BOCIJ 2400, TALGE/1.70 NM TO RW25R 1280* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 2400 GS ALT AT: BOCIJ OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: RW25R 2600				MAG VAR: 2W EPOCH YEAR: 1990											
MINIMUMS															
TAKEOFF:	STANDARD	X	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	982	1	250	982	1	250	982	1	250	982	1	250			
LNAV/VNAV DA	1064	1 1/4	332	1064	1 1/4	332	1064	1 1/4	332	1064	1 1/4	332			
LNAV MDA	1100	1	368	1100	1	368	1100	1	368	1100	1 1/4	368			
CIRCLING	1200	1	458	1200	1	458	1200	1 1/2	458	1340	2	598			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING WAUKEGAN REGIONAL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE KENOSHA, WI		ELEVATION: 742 TDZE: 732 AIRPORT NAME: KENOSHA RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25R, ORIG 27 AUG 2009				SUP:					
										AMDT: NONE					
										DATED					

 QUALITY
2
CHECKED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.***LNAV ONLY**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUKEGAN REGIONAL ALTIMETER SETTING AND INCREASE ALL DA 27 FEET AND ALL MDA 40 FEET AND INCREASE LNAV CAT C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT PETTY VIA V216 EAST BOUND.

QUALITY
2
CHECKED

CITY AND STATE
KENOSHA, WI

ELEVATION: 742 TDZE: 732
AIRPORT NAME:
KENOSHA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25R, ORIG
27 AUG 2009

SUP:
AMDT: **NONE**
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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	KENW
RUNWAY	RW25R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	423558.8220N
LTP/FTP LONGITUDE	0875524.2395W
LTP/FTP ELLIPSOIDAL HEIGHT	+01826
FPAP LATITUDE	423519.4000N
FPAP LONGITUDE	0875712.4300W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

A91AD849

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02172
FPAP ORTHOMETRIC HEIGHT	+02172

CITY AND STATE
KENOSHA, WI

ELEVATION: 742 TDZE: 732
AIRPORT NAME:
KENOSHA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25R, ORIG
27 AUG 2009

SUP:
AMDT: NONE
DATED:

QUALITY
2
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.

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KENWK5FR25R	APETTY	010PETTYK5EA0E	A	IF					18000		A	JS
SUSAP	KENWK5FR25R	APETTY	020GAVSEK5EA0EE		010TF		20000092	+	03000			A	JS
SUSAP	KENWK5FR25R	ATALOR	010TALORK5EA0E	A	IF					18000		A	JS
SUSAP	KENWK5FR25R	ATALOR	020GAVSEK5EA0EE		010TF		33040064	+	03000			A	JS
SUSAP	KENWK5FR25R	R	010GAVSEK5EA0E	I	IF			+	03000	18000		A	JS
SUSAP	KENWK5FR25R	R	020BOCIJK5EA1E	F	051TF		24590060	+	02400		RW25R	K5PGA	JS
SUSAP	KENWK5FR25R	R	020BOCIJK5EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KENWK5FR25R	R	021TALGEK5EA0E	S	031TF		24580034	V	0128001302	-300		A	JS
SUSAP	KENWK5FR25R	R	030RW25RK5PG0GY	M	031TF		24580017		00758	-300		A	JS
SUSAP	KENWK5FR25R	R	040AHYOBK5EA0E	M	010DF							A	JS
SUSAP	KENWK5FR25R	R	050VEENAK5EA0EY		010TF		3096	+	03000			A	JS
SUSAP	KENWK5FR25R	R	060VEENAK5EA0EE		R020HM		25780040	+	03000			A	JS

[illegible]

QUALITY
CHECKED

SUP:	
AMDT:	NONE
DATED:	

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

QUALITY
CHECKED

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	PETTY	PETTY	010	IAF	IF		FB				
	PETTY	GAVSE	020		TF		FB	1.0	200.0 (198T)	009.2	03000
	TALOR	TALOR	010	IAF	IF		FB				
	TALOR	GAVSE	020		TF		FB	1.0	330.4 (328T)	006.4	03000
		GAVSE	010	FACF	IF		FB				03000
		BOCIJ	020	FAF	TF		FB	0.5	245.9 (244T)	006.0	02400
		TALGE	021	SDF	TF		FB	0.3	245.8 (244T)	003.4	0128001302
		RW25R	030	MAP	TF		FO	0.3	245.8 (244T)	001.7	00758

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AHYOB	040		DF		FB	1.0			
	VEENA	050		TF		FO	1.0	309.6 (308T)		03000
	VEENA	060		HM	R	FO	2.0	257.8 (256T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AHYOB	N423322.90	W0880231.53	N4233.382	W08802.526
	BOCIJ	N423813.60	W0874913.44	N4238.227	W08749.224
	GAVSE	N424052.84	W0874153.62	N4240.881	W08741.894
	PETTY	N424938.48	W0873802.11	N4249.641	W08738.035
	TALGE	N423643.91	W0875320.34	N4236.732	W08753.339
	TALOR	N423526.16	W0873721.35	N4235.436	W08737.356
	VEENA	N424217.56	W0881813.93	N4242.293	W08818.232
	RW25R	N423558.82	W0875524.24	N4235.980	W08755.404

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW25R	00713	45

QUALITY
1
CHECKED

CITY AND STATE KENOSHA, WI	ELEVATION: 742 TDZE: 732	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: KENOSHA RGNL		RNAV (GPS) RWY 25R, ORIG	AMDT: NONE
			27 AUG 2009	DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.			
TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW33 CLIMB TO 3000 DIRECT KENUF AND VIA TRACK 280.88 TO VEENA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 257.79 INBOUND. CHART FAS OBST: 851 ELEVATOR 423430N/0875400W CHART 1095 TOWER 423312N/0875340W. CHART VDP AT 1.27 MILES TO RW33. KOKNE TO RW33: 3.04/42.			
TALOR	KODOW (FB)	205.33 / 6.53	3000				
KODOW (IAF)	INSAW (FB)	235.90 / 5.00	3000				
PAPPI (IAF)	INSAW (FB)	326.60 / 12.62	3000				
WARPI (IAF)	INSAW (FB)	005.20 / 11.81	3000				
INSAW (IF)	KOKNE (FB)	325.84 / 6.11	2400				

1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)			
2. PROFILE STARTS AT INSAW			
3. FAC: <u>325.79</u> FAF: <u>KOKNE</u>		DIST FAF TO MAP: <u>5.09</u> THLD: <u>5.09</u>	
4. MIN. ALT: <u>INSAW 3000, KOKNE 2400, APPLR/2.20 NM TO RW33 1440</u>			
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 IS CLEAR</u>			
8. MSA FROM: <u>RW33 2600</u>			

MINIMUMS															
TAKEOFF: <u> </u>	<u>STANDARD</u>	<u>X</u>	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: <u>NA</u>			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	1160	1	439	1160	1	439	1160	1 1/4	439	1160	1 1/2	439			
CIRCLING	1200	1	458	1200	1	458	1200	1 1/2	458	1340	2	598			

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING IS NOT RECEIVED, USE WAUKEGAN REGIONAL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.

CHART NOTE: VDP NA WHEN USING WAUKEGAN REGIONAL ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
2
CHECKED

CITY AND STATE	ELEVATION: 742 TDZE: 721	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
KENOSHA, WI	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 33, ORIG	AMDT: NONE
	KENOSHA RGNL		27 AUG 2009	DATED

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KENWK5FR33	APAPPI	010PAPPIK5EA0E	A	IF					18000			B	JS
SUSAP KENWK5FR33	APAPPI	020INSAWK5EA0EE		010TF		32660126		+ 03000				B	JS
SUSAP KENWK5FR33	ATALOR	010TALORK5EA0E		IF					18000			B	JS
SUSAP KENWK5FR33	ATALOR	020KODOWK5EA0E	A	020TF		20530065		+ 03000				B	JS
SUSAP KENWK5FR33	ATALOR	030INSAWK5EA0EE		010TF		23590050		+ 03000				B	JS
SUSAP KENWK5FR33	AWARPI	010WARPIK5EA0E	A	IF					18000			B	JS
SUSAP KENWK5FR33	AWARPI	020INSAWK5EA0EE		010TF		00520118		+ 03000				B	JS
SUSAP KENWK5FR33	R	010INSAWK5EA0E	I	IF				+ 03000	18000			B	JS
SUSAP KENWK5FR33	R	020KOKNEK5EA1E	F	051TF		32580061		+ 02400			RW33	K5PGB	JS
SUSAP KENWK5FR33	R	020KOKNEK5EA2WN			N	ALNAV							JS
SUSAP KENWK5FR33	R	021APPLRK5EA0E	S	031TF		32580029	V	0144001462		-304		B	JS
SUSAP KENWK5FR33	R	030RW33 K5PGOGY	M	031TF		32580022		00757		-304		B	JS
SUSAP KENWK5FR33	R	040KENUFK5EA0E	M	010DF								B	JS
SUSAP KENWK5FR33	R	050VEENAK5EA0EY		010TF		2809		+ 03000				B	JS
SUSAP KENWK5FR33	R	060VEENAK5EA0EE		R020HM		25780040		+ 03000				B	JS

QUALITY
CHECKED

CITY AND STATE KENOSHA, WI	ELEVATION: 742 TDZE: 721 AIRPORT NAME: KENOSHA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

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

QUALITY
CHECKED

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	PAPPI	PAPPI	010	IAF	IF		FB				
	PAPPI	INSAW	020		TF		FB	1.0	326.6(325T)	012.6	03000
	TALOR	TALOR	010		IF		FB				
	TALOR	KODOW	020	IAF	TF		FB	2.0	205.3(203T)	006.5	03000
	TALOR	INSAW	030		TF		FB	1.0	235.9(234T)	005.0	03000
	WARPI	WARPI	010	IAF	IF		FB				
	WARPI	INSAW	020		TF		FB	1.0	005.2(003T)	011.8	03000
		INSAW	010	FACF	IF		FB				03000
		KOKNE	020	FAF	TF		FB	0.5	325.8(324T)	006.1	02400
		APPLR	021	SDF	TF		FB	0.3	325.8(324T)	002.9	0144001462
		RW33	030	MAP	TF		FO	0.3	325.8(324T)	002.2	00757

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KENUF	040		DF		FB	1.0			
	VEENA	050		TF		FO	1.0	280.9(279T)		03000
	VEENA	060		HM	R	FO	2.0	257.8(256T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	APPLR	N423345.00	W0875329.67	N4233.750	W08753.495
	INSAW	N422629.09	W0874618.53	N4226.485	W08746.309
	KENUF	N424012.32	W0875954.59	N4240.205	W08759.910
	KODOW	N422926.03	W0874051.15	N4229.434	W08740.853
	KOKNE	N423125.16	W0875111.14	N4231.419	W08751.186
	PAPPI	N421611.90	W0873625.93	N4216.198	W08736.432
	TALOR	N423526.16	W0873721.35	N4235.436	W08737.356
	VEENA	N424217.56	W0881813.93	N4242.293	W08818.232
	WARPI	N421441.46	W0874711.98	N4214.691	W08747.200
	RW33	N423531.48	W0875515.32	N4235.525	W08755.255

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH
RW33	00715 42

QUALITY
CHECKED

CITY AND STATE
KENOSHA, WI

ELEVATION: 742 TDZE: 721
 AIRPORT NAME:
 KENOSHA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 33, ORIG
 27 AUG 2009

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 7R, 7L, 15, 25R, 25L, 33 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:NOTE: RWY 7R, MULTIPLE LIGHT POLES BEGINNING 560' FROM DER, 342' RIGHT OF CENTERLINE, UP TO 26' AGL/729' MSL. MULTIPLE TREES AND POLE BEGINNING 569' FROM DER, 248' LEFT OF CENTERLINE, UP TO 54' AGL/760' MSL. NOTE: RWY 7L, MULTIPLE TREES BEGINNING 156' FROM DER, 324' LEFT OF CENTERLINE UP TO 52' AGL/761' MSL. NOTE: RWY 25L, MULTIPLE TREES AND HANGARS BEGINNING 10' FROM DER, 209' RIGHT OF CENTERLINE UP TO 11' AGL/760' MSL. TREE, 22' FROM DER, 378' LEFT OF CENTERLINE 24' AGL/763' MSL. FENCE, 200' FROM DER, 456' LEFT OF CENTERLINE, 8' AGL, 737' MSL. VEHICLE ON ROAD, 889' FROM DER, 187' LEFT OF CENTERLINE, 14' AGL/753' MSL. NOTE: RWY 33, MULTIPLE TREES BEGINNING 808' FROM DER, 39' RIGHT OF CENTERLINE UP TO 81' AGL/811' MSL. MULTIPLE TREES BEGINNING 1171' FROM DER, 78' LEFT OF CENTERLINE ,UP TO 84' AGL/810' MSL. NOTE: RWY 25R, TREES 2800' FROM

(4) CONTROLLING OBSTACLES:

QUALITY
2
CHECKED

(5) City, State

KENOSHA, WI

(6) Airport

KENOSHA RGNL

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION) FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

Bearings, headings, courses, and radials are magnetic. Elevations 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 unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 25 CONTINUED: DER, 603' LEFT TO RIGHT OF CENTERLINE, 100' AGL/819' MSL.

QUALITY
2
CHECKED

City, State KENOSHA, WI		Airport KENOSHA RGNL		Effective Date 27 AUG 2009	Amdt. No. ORIG
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: ENW VOR/DME							
TALOR INT		ENW VOR/DME		274.02 / 13.71				2500		CLIMBING RIGHT TURN TO 2500 IN ENW VOR/DME HOLDING PATTERN, CONTINUE CLIMB-IN-HOLD TO 2500.							
										ADDITIONAL FLIGHT DATA: HOLD N, RT, 159.06 INBOUND. CHART FAS OBST: 894 TRMSN TWR 423710N/0875803W SUMER TO RW15: 3.02/45. FAC CROSSES RWY C/L EXTENDED 2883 FROM THLD.							
1. PT <u>L</u> SIDE OF COURSE <u>339.06</u> OUTBOUND <u>2500</u> FT WITHIN <u>10</u> MILES OF <u>ENW VOR/DME</u> (IAF) 2. _____ 3. FAC <u>159.06</u> FAF SUMER INT _____ DIST FAF TO MAP _____ THLD <u>3.86</u> 4. MIN. ALT <u>SUMER 2000</u> 8. MSA FROM: <u>ENW VOR/DME 2600</u>														MAG VAR: 2W		EPOCH YEAR: 1990	
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @					
CATEGORY ==>		A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-15	1200	1	479	1200	1	479	1200	1 1/4	479	1200	1 1/2	479					
CIRCLING	1200	1	458	1200	1	458	1200	1 1/2	458	1340	2	598					
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUKEGAN REGIONAL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE S-15 CATS C/D VISIBILITY 1/4 MILE.																	
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.																	
CITY AND STATE KENOSHA, WI				ELEVATION: 742 TDZE: 721 AIRPORT NAME: KENOSHA RGNL				FACILITY IDENTIFIER: ENW				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 15, AMDT 1 27 AUG 2009				SUP VOR OR GPS RWY 14	
																AMDT ORIG-D	
																DATE 01/18/2007	

QUALITY
 2
 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR 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: ENW VOR/DME CLIMBING RIGHT TURN TO 2500 IN ENW VOR/DME HOLDING PATTERN, CONTINUE CLIMB-IN-HOLD TO 2500. ADDITIONAL FLIGHT DATA: HOLD E, RT, 255.94 INBOUND. CHART FAS OBST: 934 TOWER 423755N/0875234W CHART TDZE: 732. CHART AIRPORT ELEVATION: 742. FAC CROSSES RWY C/L EXTENDED 2289 FROM THLD.							
TALOR INT	ENW VOR/DME			274.02 / 13.71				2500									
1. PT <u>R</u> SIDE OF COURSE <u>075.94</u> OUTBOUND <u>2500</u> FT WITHIN <u>10</u> MILES OF <u>ENW VOR/DME</u> (IAF) 2. _____ 3. FAC <u>255.94</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: <u>ENW VOR/DME 2600</u>														MAG VAR: 2W		EPOCH YEAR: 1990	
MINIMUMS																	
TAKEOFF:	STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT					ALTERNATE: N A		STANDARD @					
CATEGORY >>>>>	A			B			C			D			E				
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-25R	1300	1	568	1300	1	568	1300	1 1/2	568	1300	1 3/4	568					
CIRCLING	1300	1	558	1300	1	558	1300	1 1/2	558	1340	2	598					
NOTES:																	
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.										@ NA WHEN LOCAL WEATHER NOT AVAILABLE.							
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUKEGAN REGIONAL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE S-25R CATS C/D VISIBILITY 1/4 MILE.																	
QUALITY 2 CHECKED																	
CITY AND STATE				ELEVATION: 742 TDZE: 732		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP VOR OR GPS RWY					
KENOSHA, WI				AIRPORT NAME:		ENW		VOR RWY 25R, AMDT 1				24R					
				KENOSHA RGNL				27 AUG 2009				AMDT ORIG-B					
												DATE 12/03/1998					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS 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.

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:	STANDARD	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 27 AUG 2009

QUALITY
1
CHECKED

CITY AND STATE LEWISBURG, WV	ELEVATION: 2302 TDZE: 2288 AIRPORT NAME: GREENBRIER VALLEY	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 4, AMDT 1A, 04/20/2000	SUP AMDT 1 DATE 09/09/99

FLIGHT STANDARDS SERVICE - FAR PART 97.33

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TERMINAL ROUTES						MISSED APPROACH																																																																																																																																																			
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						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: _____																																																																																																																																																									
<table border="1"> <thead> <tr> <th>TAKEOFF:</th> <th>STANDARD</th> <th colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</th> <th colspan="2">ALTERNATE: N A</th> <th colspan="4"></th> </tr> <tr> <th>CATEGORY =====></th> <th colspan="3">A</th> <th colspan="3">B</th> <th colspan="3">C</th> <th colspan="3">D</th> <th colspan="3">E</th> </tr> <tr> <th></th> <th>MDA</th> <th>VIS</th> <th>HAT/HAA</th> <th>MDA</th> <th>VIS</th> <th>HAT/HAA</th> <th>MDA</th> <th>VIS</th> <th>HAT/HAA</th> <th>MDA</th> <th>VIS</th> <th>HAT/HAA</th> <th>MDA</th> <th>VIS</th> <th>HAT/HAA</th> </tr> </thead> <tbody> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>												TAKEOFF:	STANDARD	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																																																																																																
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CITY AND STATE LEWISBURG, WV		ELEVATION: 2302 TDZE: 2302 AIRPORT NAME: GREENBRIER VALLEY		FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 22, AMDT 1A, 11/22/1999				SUP AMDT 1 DATE 09/09/1999																																																																																																																																															

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.29

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TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
TILFO INT (IF/IAF)	BUSHI LOM	045.38 / 3.91 (I-LWB)	4100	ILS: DA LOC: 5.04 MILES AFTER BUSHI LOM CLIMB TO 3200 THEN CLIMBING LEFT TURN TO 6000 VIA HEADING 200 AND LWB VOR/DME R-258 TO VUTCU INT AND HOLD. CONTINUE CLIMB-IN-HOLD TO 6000; OR WHEN DIRECTED BY ATC, CLIMB TO 3500 THEN CLIMBING LEFT TURN TO 5000 DIRECT LW LOM AND HOLD SW, LT, 045.38 INBOUND (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SE, RT, 320.97 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SW LW LOM, LT, 045.38 INBOUND. CHART FAS OBST: 2389 TREE 375028N/0802506W CHART: LOCALIZER OFFSET 2.08 DEGREES. CHART IN PLANVIEW: LW LOM. FAC CROSSES RWY C/L EXTENDED 2652 FROM THLD.	
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SW TILFO, RT, 045.38 INBOUND, 4800 FT. IN LIEU OF PT (IAF) 3. FAC: <u>045.38</u> FAF: <u>BUSHI LOM</u> DIST FAF TO MAP: <u>5.04</u> THLD: <u>5.04</u> 4. MIN. ALT: <u>TILFO 4800, BUSHI LOM 4100</u> 5. DIST TO THLD FROM OM: <u>5.04</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1012</u> 6. MIN GS INCPT: <u>4100</u> GS ALT AT: <u>GS INTCP</u> OM: <u>3968</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.7</u> 8. MSA FROM: <u>LW LOM 070-160 5300, 160-070 5800</u>				MAG VAR: <u>8W</u> EPOCH YEAR: <u>2000</u>	

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD #	LOC: STANDARD @									
CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 4	2538	3/4	250	2538	3/4	250	2538	3/4	250	2538	3/4	250			
S-LOC 4	2700	3/4	412	2700	3/4	412	2700	3/4	412	2700	3/4	412			
CIRCLING	2820	1	518	2900	1	598	3080	2 1/4	778	3280	3	978			

NOTES:
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BECKLEY ALTIMETER SETTING AND INCREASE DA TO 2647 FEET AND ALL MDA 120 FEET. INCREASE S-LOC 4 CAT C VISIBILITY 1/4 MILE, CAT D VISIBILITY 1/2 MILE AND CIRCLING CAT C VISIBILITY 1/2 MILE.
 SEE 8260-10

CAT C 800-2 1/4, CAT D 1000-3
 @ CAT C 800-2 1/4, CAT D 1000-3
 # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE LEWISBURG, WV	ELEVATION: 2302 TDZE: 2288 AIRPORT NAME: GREENBRIER VALLEY	FACILITY IDENTIFIER: I-LWB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 4, AMDT 10 27 AUG 2009	SUP: ILS RWY 4
				AMDT: 9
				DATED 05/10/2007

**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29**

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NOTES CONT.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 4 ALL CATS.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 4 CATS A AND B VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING BECKLEY ALTIMETER SETTING, INCREASE S-ILS 4 ALL CATS VISIBILITY TO 1 1/4 MILES, S-LOC 4 CATS A AND B VISIBILITY TO 1 MILE.

CITY AND STATE

LEWISBURG, WV

ELEVATION: 2302 TDZE: 2288

AIRPORT NAME:

GREENBRIER VALLEY

FACILITY
IDENTIFIER:
I-LWB

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 4, AMDT 10

27 AUG 2009

SUP: ILS RWY 4

AMDT: 9

DATED: 05/10/2007

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE 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.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW04 CLIMB TO 5500 DIRECT RIGWA AND LEFT TURN VIA TRACK 313.30 TO TONPE AND LEFT TURN VIA TRACK 223.30 TO VURZO AND VIA TRACK 176.12 TO RUFYO AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 2389 TREE 375028N/0802506W DISTANCE TO THLD FROM 301 HAT: 0.79 NM. CHART VDP AT 1.07 MILES TO RW04* *LNAV ONLY. WAAS CHANNEL # 42613 REFERENCE PATH ID: W04A											
RNL VOR	LAWOP (FB)	160.70 / 14.49	6000												
BKW VORTAC	LAWOP (FB)	101.01 / 21.76	6000												
LAWOP (IAF)	RUFYO (NOPT) (FB)	133.14 / 7.00	4900												
CASTE (IAF)	WEDAN (FB)	315.38 / 5.00	5300												
WEDAN	RUFYO (NOPT) (FB)	315.33 / 9.44	4900												
RUFYO (IF/IAF)	LORTY (FB)	043.21 / 6.10	4100												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>HOLD SW RUFYO, RT, 043.21 INBOUND, 4900 FT. IN LIEU OF PT (IAF)</u> 3. FAC: <u>043.26</u> FAF: <u>LORTY</u> DIST FAF TO MAP: <u>5.45</u> THLD: <u>5.45</u> 4. MIN. ALT: <u>RUFYO 4900, LORTY 4100</u> 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>4100</u> GS ALT AT: <u>LORTY 4100</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.7</u> <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW04 5900</u>				MAG VAR: 8W EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF:	STANDARD	X	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	2589	3/4	301	2589	3/4	301	2589	3/4	301	2589	3/4	301			
LNAV/VNAV DA	2786	1 1/4	498	2786	1 1/4	498	2786	1 1/4	498	2786	1 1/4	498			
LNAV MDA	2680	3/4	392	2680	3/4	392	2680	3/4	392	2680	1	392			
CIRCLING	2820	1	518	2900	1	598	3080	2 1/4	778	3280	3	978			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 44C (111F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 2302 TDZE: 2288		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:							
LEWISBURG, WV		AIRPORT NAME: GREENBRIER VALLEY				RNAV (GPS) RWY 4, ORIG 27 AUG 2009		AMDT: NONE							
								DATED							

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NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RNL VOR VIA V260 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CASTE VIA V140 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BKW VORTAC VIA V258 NORTHWEST BOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BECKLEY ALTIMETER SETTING AND INCREASE

ALL DA 109 FEET AND ALL MDA 120 FEET; INCREASE LPV ALL CATS, LNAV CATS C AND D VISIBILITY 1/4

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

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV ALL CATS VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING BECKLEY ALTIMETER SETTING, INCREASE LPV ALL CATS

VISIBILITY 1/2 MILE AND LNAV CATS A AND B 1/4 MILE.

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

CITY AND STATE

LEWISBURG, WV

ELEVATION: 2302 TDZE: 2288

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RNAV (GPS) RWY 4, ORIG

27 AUG 2009

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AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLWB
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	375101.6600N
LTP/FTP LONGITUDE	0802423.3600W
LTP/FTP ELLIPSOIDAL HEIGHT	+06658
FPAP LATITUDE	375214.4600N
FPAP LONGITUDE	0802318.3400W
THRESHOLD CROSSING HEIGHT (TCH)	00050.7
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

CRC REMAINDER

BDF236B7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+06972
FPAP ORTHOMETRIC HEIGHT	+06972

CITY AND STATE

LEWISBURG, WV

ELEVATION: 2302 TDZE: 2288

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DATED:	

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	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KLWBK6FR04	R		030RW04	K6PG0GY	M	031TF		04330055	02338	-300		A	JS
SUSAP KLWBK6FR04	R		040RIGWAK6EA0E	M	010DF							A	JS
SUSAP KLWBK6FR04	R		050TONPEK6EA0E		010TF		3133					A	JS
SUSAP KLWBK6FR04	R		060VURZOK6EA0E		L010TFY		2233					A	JS
SUSAP KLWBK6FR04	R		070RUFYOK6EA0EY		010TF		1761		+ 05500			A	JS
SUSAP KLWBK6FR04	R		080RUFYOK6EA0EE		R020HM		04320060		+ 05500			A	JS
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KLWBK6GRW04		0070030433	N37510166W080242336+0100										
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KLWBK6PR04	RW04	001	0000W04A0N3751016600W08024233600+066580300N3752144600W08023183400106750616000507F400500BDF236B7										
SUSAP KLWBK6PR04	RW04	002E	+06972+06972LPV		42613								
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KLWBK6SRW04	K6PG		0	18018005925								M	

CITY AND STATE
LEWISBURG, WV

ELEVATION: 2302 TDZE: 2288
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BKW	BKW	010		IF		FB				
	BKW	LAWOP	020	IAF	TF		FB	2.0	101.0 (093T)	021.8	06000
	BKW	RUFYO	030		TF		FB	1.0	133.1 (125T)	007.0	04900
	CASTE	CASTE	010	IAF	IF		FB				
	CASTE	WEDAN	020		TF		FB	1.0	315.4 (307T)	005.0	05300
	CASTE	RUFYO	030		TF		FB	1.0	315.3 (307T)	009.4	04900
	RNL	RNL	010		IF		FB				
	RNL	LAWOP	020	IAF	TF		FB	2.0	160.7 (153T)	014.5	06000
	RNL	RUFYO	030		TF		FB	1.0	133.1 (125T)	007.0	04900
	RUFYO	RUFYO	010	IAF	HF	R	FB		043.2 (035T)	006.0	04900
		RUFYO	010	FACF	IF		FB				04900
		LORTY	020	FAF	TF		FB	0.5	043.2 (035T)	006.1	04100
		RW04	030	MAP	TF		FO	0.3	043.3 (035T)	005.5	02338

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	RIGWA	040		DF		FB	1.0			
	TONPE	050		TF		FB	1.0	313.3 (305T)		
	VURZO	060		TF	L	FB	1.0	223.3 (215T)		
	RUFYO	070		TF		FO	1.0	176.1 (168T)		05500
	RUFYO	080		HM	R	FO	2.0	043.2 (035T)	006.0	05500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BKW	N374649.08	W0810724.44	N3746.818	W08107.407
	RNL	N375831.12	W0804823.43	N3758.519	W08048.391
	CASTE	N373249.25	W0801820.31	N3732.821	W08018.339
	LAWOP	N374537.34	W0804000.63	N3745.622	W08040.011
	LORTY	N374634.42	W0802821.69	N3746.574	W08028.362
	RIGWA	N375644.71	W0801916.54	N3756.745	W08019.276
	RUFYO	N374135.12	W0803247.89	N3741.585	W08032.798
	TONPE	N380125.56	W0802738.51	N3801.426	W08027.642
	VURZO	N375226.03	W0803540.19	N3752.434	W08035.670
	WEDAN	N373551.49	W0802320.27	N3735.858	W08023.338
	RW04	N375101.66	W0802423.36	N3751.028	W08024.389

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW04	02288	51

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CITY AND STATE LEWISBURG, WV	ELEVATION: 2302 TDZE: 2288	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 27 AUG 2009	SUP:
	AIRPORT NAME: GREENBRIER VALLEY			AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) 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.

CITY AND STATE LEWISBURG, WV	ELEVATION: 2302 TDZE: 2288 AIRPORT NAME: GREENBRIER VALLEY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
FAR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW22
OAKLE (IAF)	ERAXE (FB)	141.96 / 3.74	6000	CLIMB TO 6000 DIRECT LORTY AND VIA TRACK 211.63 TO PEEBE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.
ERAXE	HODFU (FB)	141.99 / 4.00	5100	
NATTS (IAF)	HODFU (FB)	311.14 / 9.26	5100	
HODFU (IF)	ERAHI (FB)	223.40 / 3.50	4600	
ERAHI	DENLE (FB)	223.37 / 3.50	4000	
				ADDITIONAL FLIGHT DATA: HOLD NE, RT, 219.57 INBOUND. CHART FAS OBST 2585 TREE 375258N/0802112W DENLE TO RW22 3.05/58 CHART 2799 TREE 375506N/0801752W

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT HODFU
- FAC: 223.35 FAF: DENLE DIST FAF TO MAP: 5.10 THLD: 5.10
- MIN. ALT: HODFU 5100, ERAHI 4600, DENLE 4000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW22 5900

MAG VAR: 8W

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF:		STANDARD	X	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		2760	1	458	2760	1	458	2760	1 1/4	458	2760	1 1/2	458			
CIRCLING		2820	1	518	2900	1	598	3080	2 1/4	778	3280	3	978			

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NATTS VIA V290 EASTBOUND AND V103 SOUTHBOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BECKLEY ALTIMETER SETTING AND INCREASE

SEE 8260-10

@ CAT C 800-2 1/4, CAT D 1000-3

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 2302 TDZE: 2302	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 27 AUG 2009	SUP:
LEWISBURG, WV	AIRPORT NAME: GREENBRIER VALLEY			AMDT: NONE
				DATED

**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

ALL MDA 120 FEET, LNAV CAT C AND CAT D VISIBILITY 1/4 MILE, AND CIRCLING CAT C VISIBILITY 1/2 MILE.

CITY AND STATE

LEWISBURG, WV

ELEVATION: 2302 TDZE: 2302

AIRPORT NAME:

GREENBRIER VALLEY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KLWBK6FR22	ANATTS	010NATTSK6EA0E	A	IF					18000		B	JS
SUSAP	KLWBK6FR22	ANATTS	020HODFUK6EA0EE		010TF		31110093	+	05100			B	JS
SUSAP	KLWBK6FR22	AOAKLE	010OAKLEK6EA0E	A	IF					18000		B	JS
SUSAP	KLWBK6FR22	AOAKLE	020ERAXEK6EA0E		010TF		14200037	+	06000			B	JS
SUSAP	KLWBK6FR22	AOAKLE	030HODFUK6EA0EE		010TF		14200040	+	05100			B	JS
SUSAP	KLWBK6FR22	R	010HODFUK6EA0E	I	IF			+	05100	18000		B	JS
SUSAP	KLWBK6FR22	R	011ERAHIK6EA0E	S	051TF		22340035	+	04600			B	JS
SUSAP	KLWBK6FR22	R	020DENLEK6EA1E	F	051TF		22340035	+	04000		RW22	K6PGB	JS
SUSAP	KLWBK6FR22	R	020DENLEK6EA2WN			N	ALNAV						JS
SUSAP	KLWBK6FR22	R	030RW22	K6PG0GY	M	031TF	22340051		02351	-305		B	JS
SUSAP	KLWBK6FR22	R	040LORTYK6EA0E	M	010DF							B	JS
SUSAP	KLWBK6FR22	R	050PEEBEK6EA0EY		010TF		2116	+	06000			B	JS
SUSAP	KLWBK6FR22	R	060PEEBEK6EA0EE		R020HM		21960060	+	06000			B	JS

[illegible]

SUP:	
AMDT:	NONE
DATED:	

QUALITY
CHECKED

RNAV (GPS) 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.

[illegible]

SUP:	
AMDT:	NONE
DATED:	

PAGE 4 OF 5 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) 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.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	NATTS	NATTS	010	IAF	IF		FB				
	NATTS	HODFU	020		TF		FB	1.0	311.1 (303T)	009.3	05100
	OAKLE	OAKLE	010	IAF	IF		FB				
	OAKLE	ERAXE	020		TF		FB	1.0	142.0 (134T)	003.7	06000
	OAKLE	HODFU	030		TF		FB	1.0	142.0 (134T)	004.0	05100
		HODFU	010	FACF	IF		FB				05100
		ERAHI	011	SDF	TF		FB	0.5	223.4 (215T)	003.5	04600
		DENLE	020	FAF	TF		FB	0.5	223.4 (215T)	003.5	04000
		RW22	030	MAP	TF		FO	0.3	223.4 (215T)	005.1	02351

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LORTY	040		DF		FB	1.0			
	PEEBE	050		TF		FO	1.0	211.6 (204T)		06000
	PEEBE	060		HM	R	FO	2.0	219.6 (212T)	006.0	06000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DENLE	N375608.06	W0801949.36	N3756.134	W08019.823
	ERAHI	N375859.53	W0801715.67	N3758.992	W08017.261
	ERAXE	N380437.86	W0801820.33	N3804.631	W08018.339
	HODFU	N380150.92	W0801441.80	N3801.849	W08014.697
	LORTY	N374634.42	W0802821.69	N3746.574	W08028.362
	NATTS	N375647.15	W0800452.86	N3756.786	W08004.881
	OAKLE	N380713.80	W0802144.84	N3807.230	W08021.747
	PEEBE	N374305.10	W0803016.97	N3743.085	W08030.283
	RW22	N375158.15	W0802332.91	N3751.969	W08023.549

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	02293	58

CITY AND STATE

LEWISBURG, WV

ELEVATION: 2302 TDZE: 2302

AIRPORT NAME:

GREENBRIER VALLEY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevations 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.

(1) TAKEOFF MINIMUMS:

RWY 4, 22 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 4 - CLIMB HEADING 043 TO 3300 BEFORE PROCEEDING ON COURSE.

RWY 22 - CLIMB HEADING 223 TO 3100 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4, TREE 1617 FEET FROM DER, 528 FEET RIGHT OF CENTERLINE, 84 FEET AGL/2364 FEET MSL.

NOTE: RWY 22, TREES BEGINNING 759 FEET FROM DER 553 FEET LEFT OF CENTERLINE, 60 FEET AGL/2309 FEET MSL. TREES BEGINNING 1996 FEET FROM DER, 289 FEET RIGHT OF CENTERLINE, UP TO 104 FEET AGL/2364 FEET MSL.

(4) CONTROLLING OBSTACLES:

RWY 4: 3370 MSL AAO 375158.70N-0801843.72W

RWY 22: 3526 MSL AAO 374910.50N-0801933.40W

(5) City, State

LEWISBURG, WV

(6) Airport

GREENBRIER VALLEY

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

4

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - FAR PART 97.23

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RNL VOR	LEFAP INT/LWB 7.05 DME	132.46 / 19.39	5900	MAP: 6.00 MILES AFTER LEFAP INT/LWB 7.05 DME OR AT LWB 1.05 DME FIX
ROA VORTAC	LEFAP INT/LWB 7.05 DME	326.48 / 32.56	6000	
LWB VOR/DME	LEFAP INT/LWB 7.05 DME	228.00 / 7.05	5500	CLIMB TO 3400 THEN CLIMBING LEFT TURN TO 6000 VIA HEADING 200 AND LWB VOR/DME R-258 TO VUTCU INT AND HOLD, CONTINUE CLIMB-IN-HOLD 6000.
NATTS INT	LWB VOR/DME	259.35 / 15.56	5800	
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 320.97 INBOUND. CHART FAS OBST: 2491 ANT ON TK 374918N/0802429W CHART 2939 TREE 374707N/0803110W. CHART VDP AT 2.85 DME; DISTANCE VDP TO THLD 1.79 MILES. LEFAP TO RW04: 3.09/45. FAC CROSSES RWY C/L EXTENDED 939 FROM THLD.

1.	PT	R	SIDE OF COURSE	228.00	OUTBOUND	5400	FT WITHIN	10	MILES OF	LEFAP	(IAF)
2.											
3.	FAC	048.00	FAF	LEFAP INT/LWB 7.05 DME				DIST FAF TO MAP	6.00	THLD	6.00
4.	MIN. ALT	LEFAP 4300									
8.	MSA FROM: LWB VOR/DME 100-280 5400, 280-100 5900										

EPOCH YEAR:2000

MINIMUMS

[illegible]

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BECKLEY ALTIMETER SETTING AND INCREASE ALL MDA 120 FT. S-4 CAT C AND CAT D AND CIRCLING CAT C VISIBILITY 1/2 MILE.

**CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-4 CATS A AND B VISIBILITY 1/4 MILE.
SEE 8260-10**

@ CAT C 800-2 1/4, CAT D 1000-3

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE LEWISBURG, WV	ELEVATION: 2302 TDZE: 2288 AIRPORT NAME: GREENBRIER VALLEY	FACILITY IDENTIFIER: LWB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 4, AMDT 1 27 AUG 2009	SUP	
				AMDT	ORIG
				DATE	03/15/2007

VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - FAR PART 97.23

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NOTES CONT.

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING BECKLEY ALTIMETER SETTING, INCREASE S-4 CAT A VISIBILITY 1/4 MILE.

CITY AND STATE

LEWISBURG, WV

ELEVATION: 2302 TDZE: 2288

AIRPORT NAME:

GREENBRIER VALLEY

FACILITY
IDENTIFIER:

LWB

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 4, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG

DATED: 03/15/2007

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
RNL VOR	WEPSY INT/LWB 5.20 DME	098.65 / 21.52	6000	MAP: 5.07 MILES AFTER WEPSY INT/LWB 5.20 DME OR AT LWB 0.13 DME FIX CLIMB TO 6000 VIA LWB VOR/DME R-220 TO PEEBE INT/ROA 30.56 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000.
ROA VORTAC	WEPSY INT/LWB 5.20 DME	343.51 / 38.53	6000	
PEEBE INT/ROA 30.56 DME	LWB VOR/DME	039.57 / 10.25	6000	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 141.42 INBOUND. CHART FAS OBST: 2503 TREE 375203N/0802207W WEPSY TO RW22: 3.06/58. FAC CROSSES RWY C/L EXTENDED 1569 FROM THLD.
LWB VOR/DME	WEPSY INT/LWB 5.20 DME	027.99 / 5.20	6000	

1. PT L SIDE OF COURSE 027.99 OUTBOUND 6000 FT WITHIN 10 MILES OF WEPSY (IAF)
 2. _____
 3. FAC 207.99 FAF WEPSY INT/LWB 5.20 DME DIST FAF TO MAP 5.07 THLD 5.07
 4. MIN. ALT EBALY INT/LWB 9.20 DME 5000, WEPSY 4000
 8. MSA FROM: LWB VOR/DME 100-280 5400, 280-100 5900

MAG VAR: 8W

EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: NA			STANDARD @					
CATEGORY >>>>>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-22	2760	1	458	2760	1	458	2760	1 1/4	458	2760	1 1/2	458			
CIRCLING	2820	1	518	2900	1	598	3080	2 1/4	778	3280	3	978			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BECKLEY ALTIMETER SETTING AND INCREASE ALL MDA 120 FT, S-22 CATS C AND D VISIBILITY 1/4 MILE AND CIRCLING CAT C VISIBILITY 1/2 MILE.

@ CAT C 800-2 1/4, CAT D 1000-3
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
2
CHECKED

CITY AND STATE LEWISBURG, WV	ELEVATION: 2302 TDZE: 2302 AIRPORT NAME: GREENBRIER VALLEY	FACILITY IDENTIFIER: LWB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 22, AMDT 1 27 AUG 2009	SUP
				AMDT ORIG-A
				DATE 03/15/2007

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30675 ; Amdt. No. 3329]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

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

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

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

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

For Examination -

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

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

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

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

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

Availability - All SIAPs are available online free of charge.

Visit nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

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

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

FOR FURTHER INFORMATION CONTACT: Harry J. Hodges, Flight Procedure Standards Branch (AFS-420) Flight Technologies and Programs Division, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) by amending the referenced SIAPs. The complete regulatory description of each SIAP is listed on the appropriate FAA Form 8260, as modified by the National Flight Data Center (FDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference in the amendment under 5 U.S.C. 552(a), 1 CFR part 51, and §97.20 of Title 14 of the Code of Federal Regulations.

The large number of SIAPs, their complex nature, and the need for a special format make their verbatim publication in the Federal Register expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, but refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each SIAP contained in FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAP and the corresponding effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

THE RULE

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

The SIAPs, as modified by FDC P-NOTAM, and contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these changes to SIAPs, the TERPS criteria were applied only to specific conditions existing at the affected airports. All SIAP amendments in this rule have been previously issued by the FAA in a FDC NOTAM as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for all these SIAP amendments requires making them effective in less than 30 days.

Because of the close and immediate relationship between these SIAPs and safety in air commerce, I find that notice and public procedure before adopting these SIAPs are impracticable and contrary to the public interest and, where applicable, that good cause exists for making these SIAPs effective in less than 30 days.

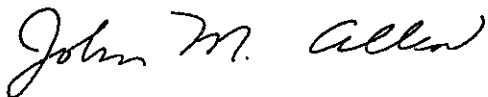
CONCLUSION

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on June 26, 2009



John M. Allen
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

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

Part 97 - Standard Instrument Approach Procedures

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

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

2. Part 97 is amended to read as follows:

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

.....EFFECTIVE UPON PUBLICATION

FDC Date	STATE	CITY	AIRPORT	FDC NUMBER	SUBJECT
06/12/09	NE	WAYNE	WAYNE MUNI	9/3234	NDB RWY 35, ORIG
06/12/09	NE	WAYNE	WAYNE MUNI	9/3237	NDB RWY 22, ORIG
06/12/09	NE	WAYNE	WAYNE MUNI	9/3239	NDB RWY 17, ORIG
06/12/09	NE	WAYNE	WAYNE MUNI	9/3240	RNAV (GPS) RWY 22, ORIG
06/16/09	MD	COLLEGE PARK	COLLEGE PARK	9/3349	RNAV (GPS) RWY 15, ORIG-C
06/15/09	IN	INDIANAPOLIS	MOUNT COMFORT	9/3624	VOR RWY 34, AMDT 2
06/15/09	IN	INDIANAPOLIS	MOUNT COMFORT	9/3625	RNAV (GPS) RWY 16, ORIG
06/15/09	IN	INDIANAPOLIS	MOUNT COMFORT	9/3626	RNAV (GPS) RWY 34, ORIG
06/15/09	IN	INDIANAPOLIS	MOUNT COMFORT	9/3627	ILS OR LOC RWY 25, AMDT 2B

FDC 9/3234 LCG FI/P WAYNE MUNI, WAYNE, NE. NDB RWY 35,
ORIG...DELETE NOTE: USE NORFOLK, NE ALTIMETER SETTING. CHART
NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KARL
STEFAN MEMORIAL ALTIMETER SETTING. MSA FROM LCG NDB 360-180
3200, 180-360 3900. THIS IS NDB RWY 35, ORIG-A.

FDC 9/3237 LCG FI/P WAYNE MUNI, WAYNE, NE. NDB RWY 22,
ORIG...DELETE NOTE: USE NORFOLK, NE ALTIMETER SETTING. CHART
NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KARL
STEFAN MEMORIAL ALTIMETER SETTING. MSA FROM LCG NDB 360-180
3200, 180-360 3900. THIS IS NDB RWY 22, ORIG-A.

FDC 9/3239 LCG FI/P WAYNE MUNI, WAYNE, NE. NDB RWY 17,
ORIG...DELETE NOTE: USE NORFOLK, NE ALTIMETER SETTING. CHART
NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KARL
STEFAN MEMORIAL ALTIMETER SETTING. MSA FROM LCG NDB 360-180
3200, 180-360 3900. THIS IS NDB RWY 17, ORIG-A.

FDC 9/3240 LCG FI/P WAYNE MUNI, WAYNE, NE. RNAV (GPS) RWY 22,
ORIG...DELETE NOTE: USE NORFOLK, NE ALTIMETER SETTING. CHART
NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KARL
STEFAN MEMORIAL ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 22,
ORIG-A.

FDC 9/3349 CGS FI/P COLLEGE PARK, COLLEGE PARK, MD. RNAV (GPS) RWY
15, ORIG-C...DELETE NOTE: USE RONALD REAGAN WASHINGTON
NATIONAL ALTIMETER SETTING. DELETE NOTE: GPS OR RNP-0.3
REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT
RECEIVED, USE RONALD REAGAN WASHINGTON NATIONAL ALTIMETER
SETTING. CHART ALTERNATE MINIMUMS STANDARD, EXCEPT NA WHEN
LOCAL WEATHER NOT AVAILABLE. THIS IS RNAV (GPS) RWY 15, ORIG-D.

FDC 9/3624 MQJ FI/P MOUNT COMFORT, INDIANAPOLIS, IN. VOR RWY 34,
AMDT 2...S-34 MDA 1300/HAT 442 ALL CATS. VIS CAT C 1 1/4, CAT D 1 1/2.
DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE
INDIANAPOLIS INTL ALTIMETER SETTING, AND INCREASE ALL MDAS 60
FEET. DELETE PROFILE NOTE: VDP N/A WITH INDIANAPOLIS INTL
ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING
NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING AND
INCREASE ALL MDA 60 FEET, INCREASE S-34 CAT C VISIBILITY 1/4 MILE.
CHART NOTE: VDP NA WHEN USING INDIANAPOLIS ALTIMETER SETTING.
CHANGE ALL REFERENCE TO PEPCO TO MOLLN. CHART VDP AT 11.74 DME;
DISTANCE VDP TO THLD 1.29 MILES. THIS IS VOR RWY 34, AMDT 2A.

FDC 9/3625 MQJ FI/P MOUNT COMFORT, INDIANAPOLIS, IN. RNAV (GPS) RWY 16, ORIG...DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING, AND INCREASE ALL MDAS 60 FEET. DELETE PROFILE NOTE: VDP N/A WITH INDIANAPOLIS INTL ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LNAV CAT D VISIBILITY 1/4 MILE. CHART NOTE: VDP NA WHEN USING INDIANAPOLIS ALTIMETER SETTING. MISSED APPROACH: CLIMB TO 2500 DIRECT DOBAC AND HOLD. THIS IS RNAV (GPS) RWY 16, ORIG-A.

FDC 9/3626 MQJ FI/P MOUNT COMFORT, INDIANAPOLIS, IN. RNAV (GPS) RWY 34, ORIG...DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING, AND INCREASE ALL MDAS 60 FEET. DELETE PROFILE NOTE: VDP N/A WITH INDIANAPOLIS INTL ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LNAV CAT C VISIBILITY 1/4 MILE. CHART NOTE: VDP NA WHEN USING INDIANAPOLIS ALTIMETER SETTING. MISSED APPROACH: CLIMB TO 2500 DIRECT AYAGO AND HOLD. ANAYU TO RW34: 3.03/33. THIS IS RNAV (GPS) RWY 34, ORIG-A.

FDC 9/3627 MQJ FI/P MOUNT COMFORT, INDIANAPOLIS, IN. ILS OR LOC RWY 25, AMDT 2B...DELETE NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF: WHEN NOT AVAILABLE, USE INDIANAPOLIS INTL ALTIMETER SETTING. DELETE INDIANAPOLIS INTL ALTIMETER SETTING MINIMUMS. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE INDIANAPOLIS INTL ALTIMETER SETTING AND INCREASE ALL DA 55 FEET AND ALL MDA 60 FEET, INCREASE S-LOC 25 CAT D VISIBILITY 1/4 MILE. THIS IS ILS OR LOC RWY 25, AMDT 2C.