

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 09-15

June 12, 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.**

**CORRECTION: On May 29, in Transmittal Letter 09-14, the following entry was
inadvertently omitted....**

Erie, PA, Erie Intl/Tom Ridge Field, VOR/DME RWY 24, Amdt 12

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30672 Amdt. No 3326]

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.

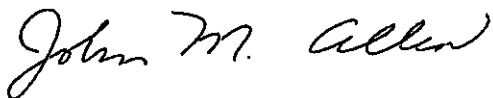
CONCLUSION

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 12,2009

A handwritten signature in cursive script that reads "John M. Allen".

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

Miami, FL, Miami Intl, ILS OR LOC RWY 27, Amdt 25
Miami, FL, Miami Intl, RNAV (GPS) Z RWY 27, Amdt 2
Miami, FL, Miami Intl, RNAV (RNP) Y RWY 27, Amdt 1
Miami, FL, Opa-Locka Executive, Takeoff Minimums and Obstacle DP, Amdt 8
Ormond Beach, FL, Ormond Beach Muni, Takeoff Minimums and Obstacle DP, Orig
Tampa, FL, Peter O. Knight, Takeoff Minimums and Obstacle DP, Amdt 5
Bainbridge, GA, Decatur County Industrial Air Park, Takeoff Minimums and Obstacle DP, Orig
Ashland, KY, Ashland Rgnl, RNAV (GPS) RWY 28, Orig-A
Millinocket, ME, Millinocket Muni, LOC RWY 29, Orig-C, CANCELLED
Millinocket, ME, Millinocket Muni, NDB RWY 29, Amdt 4
Millinocket, ME, Millinocket Muni, RNAV (GPS) RWY 29, Orig
Millinocket, ME, Millinocket Muni, VOR RWY 29, Orig
Millinocket, ME, Millinocket Muni, VOR OR GPS-A, Amdt 10B, CANCELLED
Edenton, NC, Northeastern Rgnl, Takeoff Minimums and Obstacle DP, Orig
Rocky Mount, NC, Rocky Mount-Wilson Rgnl, RNAV (GPS) RWY 4, Amdt 1
Rocky Mount, NC, Rocky Mount-Wilson Rgnl, RNAV (GPS) RWY 22, Amdt 1
Rocky Mount, NC, Rocky Mount-Wilson Rgnl, VOR/DME RWY 22, Amdt 3
Norwich, NY, LT Warren Eaton, GPS RWY 1, Orig, CANCELLED
Norwich, NY, LT Warren Eaton, RNAV (GPS) RWY 1, Orig
Norwich, NY, LT Warren Eaton, RNAV (GPS) RWY 19, Orig
Norwich, NY, LT Warren Eaton, VOR/DME RNAV OR GPS RWY 19, Amdt 2, CANCELLED
Savannah, TN, Savannah-Hardin County, Takeoff Minimums and Obstacle DP, Amdt 3
Rutland, VT, Rutland-Southern Vermont Rgnl, Takeoff Minimums and Obstacle DP, Amdt 3
Morgantown, WV, Morgantown Muni-WLB Hart Field, RNAV (GPS) RWY 18, Amdt 2, CANCELLED

Effective 27 AUG 2009

Akiak, AK, Akiak, AKIAK ONE Graphic Obstacle DP
Akiak, AK, Akiak, Takeoff Minimums and Obstacle DP, Orig
Allakaket, AK, Allakaket, Takeoff Minimums and Obstacle DP, Amdt 1
Beaver, AK, Beaver, Takeoff Minimums and Obstacle DP, Orig
Chalkyitsik, AK, Chalkyitsik, Takeoff Minimums and Obstacle DP, Orig
Cold Bay, AK, Cold Bay, RNAV (GPS) RWY 14, Amdt 1
Holy Cross, AK, Holy Cross, Takeoff Minimums and Obstacle DP, Amdt 2
Kotlik, AK, Kotlik, Takeoff Minimums and Obstacle DP, Orig
Russian Mission, AK, Russian Mission, Takeoff Minimums and Obstacle DP, Amdt 1
Brinkley, AR, Frank Feeder Memorial, NDB-A, Amdt 2A, CANCELLED
Albion, NE, Albion Muni, RNAV (GPS) RWY 33, Amdt 2

New York, NY, La Guardia, VOR/DME-E, Amdt 2A, CANCELLED
Reading, PA, Reading Rgnl/Carl A Spaatz Fld, GPS RWY 13, Orig-A, CANCELLED
Reading, PA, Reading Rgnl/Carl A Spaatz Fld, GPS RWY 18, Orig-A, CANCELLED
Reading, PA, Reading Rgnl/Carl A Spaatz Fld, ILS OR LOC RWY 13, Amdt 1
Reading, PA, Reading Rgnl/Carl A Spaatz Fld, ILS OR LOC RWY 36, Amdt 30
Reading, PA, Reading Rgnl/Carl A Spaatz Fld, RNAV (GPS) RWY 13, Orig
Reading, PA, Reading Rgnl/Carl A Spaatz Fld, RNAV (GPS) RWY 18, Orig
Reading, PA, Reading Rgnl/Carl A Spaatz Fld, RNAV (GPS) RWY 36, Orig
Andrews, TX, Andrews County, GPS RWY 16, Orig-B, CANCELLED
Andrews, TX, Andrews County, NDB RWY 16, Amdt 2A, CANCELLED
Andrews, TX, Andrews County, RNAV (GPS) RWY 16, Orig
Andrews, TX, Andrews County, Takeoff Minimums and Obstacle DP, Amdt 1
Houston, TX, Lone Star Executive, RNAV (GPS) RWY 14, Orig
Houston, TX, Sugar Land Rgnl, RNAV (GPS) RWY 17, Amdt 2
Richmond/Ashland, VA, Hanover County Muni, Takeoff Minimums and Obstacle DP, Orig
Winchester, VA, Winchester Regional, GPS RWY 14, Orig, CANCELLED
Winchester, VA, Winchester Regional, ILS OR LOC RWY 32, Amdt 2
Winchester, VA, Winchester Regional, RNAV (GPS) RWY 14, Orig
Winchester, VA, Winchester Regional, RNAV (GPS) RWY 32, Orig
Winchester, VA, Winchester Regional, VOR/DME-A, Amdt 5
Clarksburg, WV, North Central West Virginia, RNAV (GPS) RWY 3, Orig
Clarksburg, WV, North Central West Virginia, RNAV (GPS) RWY 21, Orig

ON May 28, 2009 (74 FR 101), The FAA published several Amendments in Docket No. 30667; Amdt No. 3222 to Part 97 of the Federal Aviation Regulations under section 97.33. The following entries are hereby rescinded originally published in TL 09-14 with an effective date of July 2, 2009:

Titusville, FL, Space Coast Regional, ILS OR LOC RWY 36, Amdt 11
Titusville, FL, Space Coast Regional, RNAV (GPS) RWY 36, Orig

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		
HENDN INT/RADAR (IF)	SARCO INT/RADAR	272.39 / 4.84 (I-MIA)	3000*	ILS: DA LOC: 4.76 MILES AFTER CHHAZ INT/RADAR	
SARCO INT/RADAR	CHHAZ INT/RADAR	272.39 / 4.49 (I-MIA)	1600	CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DHP VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2000 VIA HEADING 250 AND VKZ R-278 TO CICIV INT/VKZ 19.02 DME AND HOLD E, RT. 278.00 INBOUND. (ADF OR DME REQUIRED).	
				ADDITIONAL FLIGHT DATA: HOLD W, LT, 109.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD E CICIV INT/VKZ 19.02 DME, RT, 278.00 INBOUND. CHART FAS OBST: 310 BLDG 254720N/0801356W CHART: LOC RWY 26L CHART IN PLANVIEW: CICIV INT/VKZ 19.02 DME. CHART: 624 BLDG 254657N/0801125W	

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

2. PROFILE STARTS AT HENDN

3. FAC: 272.39 FAF: CHHAZ INT/RADAR DIST FAF TO MAP: 4.76 THLD: 4.76

4. MIN. ALT: HENDN 3000, SARCO 3000*, CHHAZ 1600

5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 1057

6. MIN GS INCPT: 1600 GS ALT AT: CHHAZ 1600 OM: MM: IM:

7. GS ANGLE: 3.00 TCH: 55.1

8. MSA FROM: DHP VORTAC 090-270 2900, 270-090 2100

MAG VAR: 5W EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	ILS: #	LOC: @										
CATEGORY	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 27	208	2400	200	208	2400	200	208	2400	200	208	2400	200	208	2400	200	
S-LOC 27	560	2400	552	560	2400	552	560	5000	552	560	6000	552	560	1 1/2	552	

NOTES:
CHART PLANVIEW NOTE: RADAR REQUIRED
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 27 CAT E VISIBILITY 1/4 MILE AND S-LOC 27 CAT E VISIBILITY 1/2 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE MIAMI, FL	ELEVATION: 8 TDZE: 8 AIRPORT NAME: MIAMI INTL	FACILITY IDENTIFIER: I-MIA	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 27, AMDT 25 30 JUL 2009	SUP: AMDT: 24 DATED 08/30/2007
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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: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 26L.

CHART NOTE: S-LOC MINIMA NOT AUTHORIZED DURING SIMULTANEOUS OPERATION.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT SARCO AT 3000.

CITY AND STATE

MIAMI, FL

ELEVATION: 8

TDZE: 8

AIRPORT NAME:

MIAMI INTL

FACILITY
IDENTIFIER:

I-MIA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 27, AMDT 25

30 JUL 2009

SUP:

AMDT:

24

DATED:

08/30/2007

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													
HILEY	MANTY (FB)	155.97 / 20.89	3000	LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 2000 DIRECT TUHWU AND VIA 340.42 TRACK TO BRBRA AND HOLD.												
MANTY (IAF)	HENDN (FB)	233.87 / 13.69	3000													
FLIPR (IAF)	ONICO (FB)	332.39 / 18.80	3000													
ONICO	HENDN (FB)	332.31 / 10.00	3000													
HENDN (IF)	SARCO (FB)	272.51 / 4.84	3000													
SARCO	CHHAZ (FB)	272.51 / 4.49	1600	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 155.68 INBOUND. CHART FAS OBST: 154 TOWER 254742N/0801526W CHART FAS OBST: 310 BLDG 254720N/0801356W DISTANCE TO THLD FROM 304 HAT: 0.78 NM. CHART VDP AT 1.51 MILES TO RW27* *LNAV ONLY. WAAS CHANNEL # 40205 REFERENCE PATH ID: W27A CHART: 1049 BLDG 254650N/0801056W MAG VAR: 5W EPOCH YEAR: 2000												
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HENDN 3. FAC: <u>272.43</u> FAF: <u>CHHAZ</u> DIST FAF TO MAP: <u>4.76</u> THLD: <u>4.76</u> 4. MIN. ALT: <u>HENDN 3000, SARCO 3000, CHHAZ 1600</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1600</u> GS ALT AT: <u>CHHAZ</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>55.1</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW27 2900</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	312	2400	304					312	2400	304	312	2400	304	312	2400	304
LNAV/VNAV DA	470	5000	462					470	5000	462	470	5000	462	470	5000	462
LNAV MDA	560	2400	552					560	2400	552	560	5000	552	560	6000	552
NOTES: 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. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS, LNAV/VNAV AND LNAV CAT E VISIBILITY 1/2 SEE 8260-10																
CITY AND STATE		ELEVATION: 8 TDZE: 8		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:						
MIAMI, FL		AIRPORT NAME:		RNAV		RNAV (GPS) Z RWY 27, AMDT 2				AMDT: 1						
		MIAMI INTL				30 JUL 2009				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.
MILE.

CITY AND STATE

MIAMI, FL

ELEVATION: 8 TDZE: 8

AIRPORT NAME:

MIAMI INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

RNAV (GPS) Z RWY 27, AMDT 2

30 JUL 2009

SUP:

AMDT: 1

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	KMIA
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	254715.7155N
LTP/FTP LONGITUDE	0801634.0250W
LTP/FTP ELLIPSOIDAL HEIGHT	-00227
FPAP LATITUDE	254709.9500N
FPAP LONGITUDE	0801853.3900W
THRESHOLD CROSSING HEIGHT (TCH)	00055.1
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

90CA12AD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00025
FPAP ORTHOMETRIC HEIGHT	+00025

CITY AND STATE MIAMI, FL	ELEVATION: 8 TDZE: 8 AIRPORT NAME: MIAMI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 27, AMDT 2 30 JUL 2009	SUP:
				AMDT: 1
				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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KMI	AK7	FR27-Z	AFLIPR	010FLIPRK7EA0E	A	IF			18000		A	JS
SUSAP	KMI	AK7	FR27-Z	AFLIPR	020ONICOK7EA0E		010TF	33240188	+ 03000			A	JS
SUSAP	KMI	AK7	FR27-Z	AFLIPR	030HENDNK7EA0EE		010TF	33230100	+ 03000			A	JS
SUSAP	KMI	AK7	FR27-Z	AHILEY	010HILEYK7EA0E		IF			18000		A	JS
SUSAP	KMI	AK7	FR27-Z	AHILEY	020MANTYK7EA0E	A	020TF	15600209	+ 03000			A	JS
SUSAP	KMI	AK7	FR27-Z	AHILEY	030HENDNK7EA0EE		010TF	23390137	+ 03000			A	JS
SUSAP	KMI	AK7	FR27-Z	R	010HENDNK7EA0E	I	IF		+ 03000	18000		A	JS
SUSAP	KMI	AK7	FR27-Z	R	011SARCOK7EA0E	S	051TF	27250048	+ 03000			A	JS
SUSAP	KMI	AK7	FR27-Z	R	020CHHAZK7EA1E	F	051TF	27250045	+ 01600		RW27	K7PGA	JS
SUSAP	KMI	AK7	FR27-Z	R	020CHHAZK7EA2WALPV		ALNAV/VNAV	ALNAV					JS
SUSAP	KMI	AK7	FR27-Z	R	030RW27	K7PGOGY	M	031TF	27240048	00063	-300	A	JS
SUSAP	KMI	AK7	FR27-Z	R	040TUHWUK7EA0E	M	010DF					A	JS
SUSAP	KMI	AK7	FR27-Z	R	050BRBRAK7EA0EY		010TF	3404	+ 02000			A	JS
SUSAP	KMI	AK7	FR27-Z	R	060BRBRAK7EA0EE		HR02OHM	15570040	+ 02000			A	JS

[illegible]

CITY AND STATE MIAMI, FL	ELEVATION: 8 TDZE: 8 AIRPORT NAME: MIAMI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 27, AMDT 2 30 JUL 2009	SUP:
				AMDT: 1
				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.

CITY AND STATE MIAMI, FL	ELEVATION: 8 TDZE: 8 AIRPORT NAME: MIAMI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 27, AMDT 2 30 JUL 2009	SUP:
				AMDT: 1
				DATED: 08/30/2007

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											
HILEY (40E)	MANTY (TF)(FB)(RNP 2.00) (40E)(43A)	155.97/20.89	3000	CLIMB TO 2000 DIRECT TUHWU AND VIA TRACK 340.42 TO BRBRA AND HOLD											
MANTY (IAF)(40E)(43A)	HENDN (TF)(FB)(RNP 1.00) (40E)(41E)	233.87/13.69	3000												
FLIPR (IAF)(40E)(43A)	ONICO (TF)(FB)(RNP 1.00)(40E)	332.39/18.80	3000	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 155.68 INBOUND CHART FAS OBST: 145 CRANE 254733N/0801555W DISTANCE TO THLD FROM 447 HAT: 1.23 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S #TCH 63.2 MSL (DO NOT CHART) CHART MANDATORY ALTITUDE: ONICO 3000, MANTY 3000											
ONICO (40E)	HENDN (TF)(FB)(RNP 1.00)(40E) (41E)	332.31/10.00	3000												
HENDN (IF)(40E)(43I)	SARCO (TF)(FB)(RNP 1.00)(40E) (42S)	272.51/4.84	3000												
SARCO (40E)(42S)	CHHAZ (TF)(FB)(RNP 1.00)(40E) (43F)	272.47/4.49	1600												
CHHAZ (FAF)(40E)(43F)	RW27 (TF)(FO)(40G)(41Y)(43M)	272.43/4.76													
RW27 (MAP)(40G)(41Y)(43M)	TUHWU (DF)(FB)(RNP 2.00)(40E) (42M)														
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)				MAG VAR: 5W EPOCH YEAR: 2000											
2. PROFILE STARTS AT HENDN															
3. FAC: 272.43 FAF: DIST FAF TO MAP: THLD:															
4. MIN. ALT: HENDN 3000, SARCO 3000															
5. DIST TO THLD FROM OM: 4.76 MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 1600 GS ALT AT: CHHAZ 1600 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 55.1 # 34:1 IS CLEAR															
8. MSA FROM: RW27 2900															
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 0.30 DA	455	5000	447	455	5000	447	455	5000	447	455	5000	447	455	5000	447
NOTES: CHART NOTES: GPS REQUIRED. FOR INOPERATIVE MALSR, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/2. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 6C (42F) OR ABOVE 48C (119F). CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.															
CITY AND STATE		ELEVATION: 8 TDZE: 8		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 30 JUL 2009 RNAV (RNP) Y RWY 27, AMDT 1				SUP: AMDT: ORIG DATE 08/30/2007					
MIAMI, FL		MIAMI INTL													

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.

TERMINAL ROUTES: CONTINUED

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TUHWU (40E)(42M)	BRBRA (TF)(FO)(RNP 2.00)(40E)(41Y)(43H)	340.42/12.05	2000

CITY AND STATE MIAMI, FL	ELEVATION: 8 TDZE: 8 AIRPORT NAME: MIAMI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 30 JUL 2009 RNAV (RNP) Y RWY 27, AMDT 1	SUP:
				AMDT: ORIG
				DATED: 08/30/2007

QUALITY
CHECKED

RNAV (RNP)

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
	FLIPR	FLIPR	010	IAF	IF		FB				
	FLIPR	ONICO	020		TF		FB	1.0	332.4 (327T)	018.8	03000 MAN
	FLIPR	HENDN	030	IF	TF		FB	1.0	332.3 (327T)	010.0	03000
	HILEY	HILEY	010		IF		FB				
	HILEY	MANTY	020	IAF	TF		FB	2.0	156.0 (151T)	020.9	03000 MAN
	HILEY	HENDN	030	IF	TF		FB	1.0	233.9 (229T)	013.7	03000
		HENDN	010	FACF	IF						03000
		SARCO	011	SDF	TF		FB	1.0	272.5 (268T)	004.8	03000
		CHHAZ	020	FAF	TF		FB	1.0	272.5 (268T)	004.5	01600
		RW27	030	MAP	TF		FO	0.3	272.4 (267T)	004.8	00063 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	TUHWU	040		DF		FB	2.0			
	BRBRA	050		TF		FO	2.0	340.4 (335T)	012.1	02000
	BRBRA	060		HM	R	FO	2.0	155.7 (151T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BRBRA	N255802.23	W0802710.87	N2558.037	W08027.181
	CHHAZ	N254728.68	W0801117.74	N2547.478	W08011.296
	FLIPR	N252334.49	W0794346.44	N2523.575	W07943.774
	HENDN	N254753.48	W0800058.11	N2547.891	W08000.969
	HILEY	N261515.81	W0800047.10	N2615.264	W08000.785
	MANTY	N255655.99	W0794932.31	N2556.933	W07949.539
	ONICO	N253927.09	W0795459.09	N2539.452	W07954.985
	SARCO	N254740.72	W0800619.28	N2547.679	W08006.321
	TUHWU	N254703.12	W0802137.32	N2547.052	W08021.622
	RW27	N254715.72	W0801634.03	N2547.262	W08016.567

RUNWAY DATA

THRESHOLD

RWY	ELEVATION	TCH
RW27	00008	55

CITY AND STATE

ELEVATION:

8

TDZE:

8

FACILITY

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

SUP:

MIAMI, FL

AIRPORT NAME:

MIAMI INTL

IDENTIFIER:

RNAV

30 JUL 2009

RNAV (RNP) Y RWY 27, AMDT 1

AMDT:

ORIG

DATED:

08/30/2007

 CHECKED
 08/30/2007

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 9L, 12, 27L, 27R, 30, STANDARD.

RWY 9R, 300-1 OR STANDARD WITH MINIMUM CLIMB OF 365 FT PER NM TO 300.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 9R - CLIMB HEADING 088.98 TO 1000 BEFORE TURNING NORTH.

RWY 9L - CLIMB HEADING 088.94 TO 1200 BEFORE TURNING NORTH.

RWY 12 - CLIMB HEADING 123.84 TO 600 BEFORE TURNING NORTH.

RWY 27R - CLIMB HEADING 268.95 TO 500 BEFORE TURNING NORTH.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9L, FENCE 48' FROM DER, 497' LEFT OF CENTERLINE, 7' AGL/17' MSL. TREES 3246' FROM DER, 885' RIGHT OF CENTERLINE, 78' AGL/92' MSL. NOTE: RWY 9R, POLE 1438' FROM DER, 737' RIGHT OF CENTERLINE, 31' AGL/45' MSL. TREES BEGINNING 1947' FROM DER, 366' LEFT OF CENTERLINE, UP TO 89' AGL/103' MSL. TOWER 3832' FROM DER, 729' LEFT OF CENTERLINE, 165' AGL/181' MSL. NOTE: RWY 12, TREES 1558' FROM DER, 610' RIGHT OF CENTERLINE, 49' AGL/63' MSL. TREES 3564' FROM DER, 922' LEFT OF CENTERLINE, 100' AGL/109' MSL. NOTE: RWY 27R, TREES 1127' FROM DER, 745' RIGHT OF CENTERLINE, 72' AGL/86' MSL. TREES 1449' FROM DER, 312' LEFT OF CENTERLINE, 32' AGL/46' MSL. TREES 4225' FROM DER, 229' RIGHT OF CENTERLINE, 100' AGL/114' MSL. (CONT.)

(4) CONTROLLING OBSTACLES:

RWY 9L, 12, 27R: 1049 MSL TOWER 255731.00N/0801244.00W.

RWY 9R: 1049 MSL TOWER 255731.00N/0801244.00W, 181 MSL TOWER 255408.00N/0801538.00W

(5) City, State

MIAMI, FL

(6) Airport

OPA-LOCKA EXECUTIVE

(7) Effective Date

30 JUL 2009

(8) Amdt. No.

8

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:

NOTE: RWY 27L, POLES BEGINNING 1318' FROM DER, 258' LEFT OF CENTERLINE, UP TO 37' AGL/51' MSL. TREES 1781' FROM DER, 756' LEFT OF CENTERLINE, 100' AGL/109' MSL.
NOTE: RWY 30, TREE 1370' FROM DER, 437' LEFT OF CENTERLINE, 32' AGL/46' MSL. TREES BEGINNING 1711' FROM DER, 614' RIGHT OF CENTERLINE, UP TO 100' AGL/109' MSL.
TOWERS BEGINNING 2542' FROM DER 565' RIGHT OF CENTERLINE, UP TO 100' AGL/105' MSL.

City, State MIAMI, FL		Airport OPA-LOCKA EXECUTIVE			Effective Date 30 JUL 2009	Amdt. No. 8
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date	

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 8, 26, 17, 35 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, TREES BEGINNING 8' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/124' MSL.

NOTE: RWY 26, TREES BEGINNING 20' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/129' MSL.

NOTE: RWY 17, TREES BEGINNING 23' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/129' MSL. POWER POLES BEGINNING 540' FROM DER, 589' RIGHT OF CENTERLINE, UP TO 36' AGL/60' MSL. BUILDING 640' FROM DER, 660' RIGHT OF CENTERLINE, 21' AGL/45' MSL.

NOTE: RWY 35, TREES BEGINNING 208' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/129' MSL. LIGHT POLES BEGINNING 1231' FROM DER, 571' LEFT OF CENTERLINE, UP TO 70' AGL/99' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
2
CHECKED

(5) City, State ORMOND BEACH, FL	(6) Airport ORMOND BEACH MUNI	(7) Effective Date 30 JUL 2009	(8) Amdt. No. ORIG
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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, 300 - 1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 497 FEET PER NM TO 850 OR 900 - 2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

RWY 17, 21, 300 - 1/12

RWY 35, 700 - 2 1/2

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 3 - FOR CLIMB IN VISUAL CONDITIONS: CROSS PETER O KNIGHT FIELD AT OR ABOVE 900 MSL BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, SHIP 296' FROM DER, 3' RIGHT OF CENTERLINE, 177' AGL/185' MSL. SHIP 1.0 NM FROM DER, 900' RIGHT OF CENTERLINE, 177' AGL/185' MSL. TOWERS 1,366' FROM DER, 279' LEFT OF CENTERLINE, UP TO 110' AGL/117' MSL. TANKS 1716' FROM DER, 19' RIGHT OF CENTERLINE, UP TO 70' AGL/77' MSL. CRANE 2,684' FROM DER, 1047' LEFT OF CENTERLINE, 247' AGL/253' MSL. NOTE: RWY 17, SHIP 389' FROM DER, 460' LEFT OF CENTERLINE, 177' AGL/185' MSL. SHIP 1.2 NM FROM DER, ON CENTERLINE, 177' AGL/185' MSL. NOTE: RWY 21, SHIP 1,967' FROM DER, 72' LEFT OF CENTERLINE, 177' AGL/185' MSL. SHIP 1.2 NM FROM DER, ON CENTERLINE, 177' AGL/185' MSL. NOTE: RWY 35, MULTIPLE BUILDINGS BEGINNING 1.2 NM FROM DER, 127' LEFT OF CENTERLINE, UP TO 610' AGL/625' MSL. SHIP 714' FROM DER, 48' RIGHT OF

(4) CONTROLLING OBSTACLES:

RWY 3: 625 MSL BUILDING 275647N/0822732W. 503 MSL TOWER 275643N/0822727W

RWY 17: 185 MSL SHIP 275442.18N/0822643.98W

RWY 21: 185 MSL SHIP 275424.60N/0822726.03W

RWY 35: 625 MSL BUILDING 275647.00N/0822732.00W. 409 MSL BUILDING 275707.00N/0822729.00W

RWY 3 (VCOA): 625 MSL BUILDING 275647.00N/0822732.00W

(5) City, State

TAMPA, FL

(6) Airport

PETER O KNIGHT

(7) Effective Date

30 JUL 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: (CONT)

CENTERLINE, 177' AGL/185' MSL. TOWER 3,032' FROM DER, 1,117' RIGHT OF CENTERLINE, 128' AGL/139' MSL. BUILDING 1.4 NM FROM DER, 994' RIGHT OF CENTERLINE, 330' AGL/337' MSL.

City, State TAMPA, FL		Airport PETER O KNIGHT			Effective Date 30 JUL 2009	Amdt. No. 5
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date	

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 9, 14, 27, 32 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 14, TREES BEGINNING 938' FROM DER, 238' RIGHT OF CENTERLINE, UP TO 100' AGL/249' MSL.

NOTE: RWY 27, TREES BEGINNING 1,050' FROM DER, 52' RIGHT OF CENTERLINE, UP TO 100' AGL/196' MSL. TREE 1,527' FROM DER, 63' LEFT OF CENTERLINE, 100' AGL/192' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
2
CHECKED

(5) City, State

BAINBRIDGE, GA

(6) Airport

DECATUR COUNTY INDUSTRIAL AIR PARK

(7) Effective Date

30 JUL 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	LNAV: RW28 CLIMB TO 3300 DIRECT JIBOK AND HOLD. 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											
UCADU (IAF)	SOPVE (NOPT) (FB)	193.34 / 5.00	3300												
TIBPU (IAF)	SOPVE (NOPT) (FB)	013.32 / 5.00	3300												
SOPVE (IF/IAF)	RAYOY (FB)	283.33 / 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 E SOPVE, RT, 283.33 INBOUND, 3300 FT. IN LIEU OF PT (IAF) 3. FAC: <u>283.25</u> FAF: <u>RAYOY</u> DIST FAF TO MAP: <u>4.63</u> THLD: <u>4.63</u> 4. MIN. ALT: <u>SOPVE 3300, RAYOY 2100, VASUY/3.30 NM TO RW28 1660</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: 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	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. @ CAT C 900-2 1/2, CAT D 900-2 3/4 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.															
CITY AND STATE		ELEVATION: 546 TDZE: 546		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:			
ASHLAND, KY		AIRPORT NAME: ASHLAND RGNL				RNAV (GPS) RWY 28, ORIG-A 30 JUL 2009						AMDT: ORIG			
												DATED 01/15/2009			

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
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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 013/30	UCADU (IAF) (FB)	3300

QUALITY
1
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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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
1
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

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
	SOPVE	SOPVE	010		HF	R	FB		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	FAF	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	RWY	THRESHOLD	TCH
		ELEVATION	
	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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
LOC STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.25

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

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 30 JUL 2009



CITY AND STATE MILLINOCKET, ME	ELEVATION: 408 TDZE: 408 AIRPORT NAME: MILLINOCKET MUNI	FACILITY IDENTIFIER: MLT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 29, ORIG-C, 02/05/2008	SUP
				AMDT ORIG-B
				DATE 10/19/1995

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: 5.22 MILES AFTER LNT NDB	
MLT VOR/DME	LNT NDB	358.46 / 3.99	2300	CLIMBING RIGHT TURN TO 2300 DIRECT LNT NDB AND HOLD.	
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 679 TREE 453729N/0683633W LNT NDB TO RW29: 3.34/51.	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD E LNT NDB, RT, 287.49 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
3. FAC 287.49 FAF LNT NDB DIST FAF TO MAP 5.22 THLD 5.22
4. MIN. ALT LNT NDB 2300
8. MSA FROM: LNT NDB 360-090 3700, 090-180 2500, 180-270 4400, 270-360 6600

MAG VAR: 17W

EPOCH YEAR: 2010

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-29		980	1	572	980	1	572	980	1 1/2	572	980	1 3/4	572			
CIRCLING		1100	1	692	1100	1	692	1100	2	692	1100	2 1/4	692			

NOTES:

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 HOULTON ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET, INCREASE S-29 CAT C AND D VISIBILITY 1/2 MILE, CIRCLING CAT B VISIBILITY 1/4
 SEE 8260-10

CITY AND STATE MILLINOCKET, ME	ELEVATION: 408 TDZE: 408	FACILITY IDENTIFIER: LNT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 29, AMDT 4 30 JUL 2009	SUP NDB OR GPS RWY 29
	AIRPORT NAME: MILLINOCKET MUNI			AMDT 3A
				DATE 10/03/1995

CHECKED

**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.

NOTES CONT.**MILE AND CIRCLING CAT C AND D VISIBILITY 1/2 MILE.****CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN AND CIRCLING MINIMUMS TO RWY 29 NA AT NIGHT.**

QUALITY
7
CHECKED

CITY AND STATE MILLINOCKET, ME	ELEVATION: 408 TDZE: 408	FACILITY IDENTIFIER: LNT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 29, AMDT 4 30 JUL 2009	SUP: NDB OR GPS RWY 29
	AIRPORT NAME: MILLINOCKET MUNI			AMDT: 3A
				DATED: 10/03/1995

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	LNNAV: RW29 CLIMBING RIGHT TURN TO 2300 DIRECT JEBIV AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 589 TREE 453816N/0683615W IVVEW TO RW29: 3.05/51. CHART 609 TREE 453933N/0683159W
KACEV (IAF)	JEBIV (NOPT) (FB)	197.56 / 5.00	2300	
LEBIY (IAF)	JEBIV (NOPT) (FB)	017.56 / 5.00	2300	
JEBIV (IF/IAF)	IVVEW (FB)	287.56 / 6.10	2300	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E JEBIV, RT, 287.56 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
- FAC: 287.46 FAF: IVVEW DIST FAF TO MAP: 5.73 THLD: 5.73
- MIN. ALT: JEBIV 2300, IVVEW 2300
- 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: 17W

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
LNAV MDA	880	1	472	880	1	472	880	1 1/4	472	880	1 1/2	472			
CIRCLING	1100	1	692	1100	1	692	1100	2	692	1100	2 1/4	692			

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 HOULTON ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET, INCREASE LNNAV CAT C AND D VISIBILITY 1/4 MILE, CIRCLING CAT B VISIBILITY 1/4
SEE 8260-10

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

QUALITY
CHECKED

CITY AND STATE MILLINOCKET, ME	ELEVATION: 408 TDZE: 408 AIRPORT NAME: MILLINOCKET MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 30 JUL 2009	SUP: AMDT: NONE DATED
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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.

RNP AND CAT C AND D VISIBILITY 1/2 MILE.

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN AND CIRCLING MINIMUMS TO RWY 29 NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	198/30 CW 018/30 (NOPT)	198/10 CW 018/10	3900
	198/10 CW 018/10	JEBIV (IF/IAF) (FB)	2300
2.	018/30 CW 108/30	018/8 CW 108/8	5300
	018/8 CW 108/8	LEBIY (IAF) (FB)	2400
3.	108/30 CW 198/30	108/15 CW 198/15	7500
	108/15 CW 198/15	KACEV (IAF) (FB)	3000

QUALITY
1
CHECKED

CITY AND STATE

MILLINOCKET, ME

ELEVATION: 408 TDZE: 408

AIRPORT NAME:

MILLINOCKET MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, ORIG

30 JUL 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	KMLTK6FR29	AJEBIV	010JEBIVK6EA0EE	AR	HF		28760040	+	02300	18000		B	JS
SUSAP	KMLTK6FR29	AKACEV	010KACEVK6EA0E	A	IF					18000		B	JS
SUSAP	KMLTK6FR29	AKACEV	020JEBIVK6EA0EE	010TF			19760050	+	02300			B	JS
SUSAP	KMLTK6FR29	ALEBIY	010LEBIYK6EA0E	A	IF					18000		B	JS
SUSAP	KMLTK6FR29	ALEBIY	020JEBIVK6EA0EE	010TF			01760050	+	02300			B	JS
SUSAP	KMLTK6FR29	R	010JEBIVK6EA0E	I	IF			+	02300	18000		B	JS
SUSAP	KMLTK6FR29	R	020IVVEWK6EA1E	F	051TF		28760061	+	02300			B	JS
SUSAP	KMLTK6FR29	R	020IVVEWK6EA2WN		N	ALNAV						JS	
SUSAP	KMLTK6FR29	R	030RW29 K6PGOGY	M	031TF		28750057		00446	-305		B	JS
SUSAP	KMLTK6FR29	R	040JEBIVK6EA0EYM	R010DF				+	02300			B	JS
SUSAP	KMLTK6FR29	R	050JEBIVK6EA0EE	R020HM			28760040	+	02300			B	JS

[illegible]

QUALITY
1
CHECKED

CITY AND STATE
MILLINOCKET, ME

ELEVATION: 408 TDZE: 408
AIRPORT NAME:
MILLINOCKET MUNI

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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
	JEBIV	JEBIV	010	IAF	HF	R	FB		287.6 (271T)	004.0	02300
	KACEV	KACEV	010	IAF	IF		FB				
	KACEV	JEBIV	020		TF		FB	1.0	197.6 (181T)	005.0	02300
	LEBIY	LEBIY	010	IAF	IF		FB				
	LEBIY	JEBIV	020		TF		FB	1.0	017.6 (001T)	005.0	02300
		JEBIV	010	FACF	IF		FB				02300
		IVVEW	020	FAF	TF		FB	0.5	287.6 (271T)	006.1	02300
		RW29	030	MAP	TF		FO	0.3	287.5 (271T)	005.7	00446

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JEBIV	040		DF	R	FO	1.0			02300
	JEBIV	050		HM	R	FO	2.0	287.6 (271T)	004.0	02300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	IVVEW	N453855.00	W0683217.75	N4538.917	W06832.296
	JEBIV	N453851.75	W0682335.94	N4538.863	W06823.599
	KACEV	N454351.67	W0682331.75	N4543.861	W06823.529
	LEBIY	N453351.83	W0682340.11	N4533.864	W06823.669
	RW29	N453857.45	W0684027.72	N4538.958	W06840.462

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW29	00395	51

QUALITY
1
CHECKED

CITY AND STATE MILLINOCKET, ME	ELEVATION: 408 TDZE: 408	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 30 JUL 2009	SUP:
	AIRPORT NAME: MILLINOCKET MUNI			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: 7.67 MILES AFTER MLT VOR/DME OR AT 7.67 DME FIX							
										CLIMBING RIGHT TURN TO 3000 DIRECT MLT VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.							
										ADDITIONAL FLIGHT DATA: CHART FAS OBST: 599 TREE 453944N/0683935W CHART 721 TREE 453659N/0683656W. MILLINOCKET VOR/DME TO RW29: 3.14/51.							
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE MLT VOR/DME, RT, 319.36 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC <u>319.36</u> FAF <u>MLT VOR/DME</u> DIST FAF TO MAP <u>7.67</u> THLD <u>7.67</u> 4. MIN. ALT <u>ULOGE 3000, ULOGE/5.40 DME 1060*</u> 8. MSA FROM: <u>MLT VOR/DME 360-270 3400, 270-360 6600</u>														MAG VAR: 20W		EPOCH YEAR: 1965	
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-29	1060	1	652	1060	1	652	1060	1 3/4	652	1060	2	652					
CIRCLING	1100	1	692	1100	1	692	1100	2	692	1100	2 1/4	692					
ULOGE FIX MINIMUMS																	
S-29	880	1	472	880	1	472	880	1 1/4	472	880	1 1/2	472					
CIRCLING	1100	1	692	1100	1	692	1100	2	692	1100	2 1/4	692					
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOULTON ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET, INCREASE S-29 AND CIRCLING CAT B VISIBILITY 1/4 MILE AND CAT C AND D VISIBILITY 1/2 MILE. ULOGE FIX MINIMUMS: INCREASE S-29 CAT C AND D VISIBILITY 1/4 MILE, CIRCLING CAT B SEE 8260-10																	
CITY AND STATE MILLINOCKET, ME		ELEVATION: 408 TDZE: 408 AIRPORT NAME: MILLINOCKET MUNI		FACILITY IDENTIFIER: MLT		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 29, ORIG 30 JUL 2009				SUP							
										AMDT NONE							
										DATE							

QUALITY
 1
 CHECKED

**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.

VISIBILITY 1/4 MILE AND CAT C AND D VISIBILITY 1/2 MILE.

CHART PROFILE NOTE: *1180 WHEN USING HOULTON ALTIMETER SETTING.

CHART PLANVIEW NOTE: NOPT FOR ARRIVALS AT MLT VOR/DME ON AIRWAY RADIALS 034 CW 236.

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN AND CIRCLING MINIMUMS TO RWY 29 NA AT NIGHT.

QUALITY
7
CHECKED

CITY AND STATE MILLINOCKET, ME	ELEVATION: 408 TDZE: 408 AIRPORT NAME: MILLINOCKET MUNI	FACILITY IDENTIFIER: MLT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 29, ORIG 30 JUL 2009	SUP: AMDT: NONE DATED:
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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: _____																																																																																																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <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> </tr> <tr> <td>CATEGORY =====></td> <td colspan="3">A</td> <td colspan="3">B</td> <td colspan="3">C</td> <td colspan="3">D</td> <td colspan="3">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> <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><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> </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																																																																																
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>30 JUL 2009</u>																																																																																																																															
CITY AND STATE MILLINOCKET, ME		ELEVATION: 408 TDZE: AIRPORT NAME: MILLINOCKET MUNI		FACILITY IDENTIFIER: MLT		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR GPS-A, AMDT 10B, 04/10/2008		SUP AMDT 10A DATE 01/17/2008																																																																																																																							



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 1, 19 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, TREES BEGINNING 23' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/117' MSL.

NOTE: RWY 19, POLES BEGINNING 1038' FROM DER, 567' LEFT OF CENTERLINE, 37' AGL/47' MSL. TREES BEGINNING 1258' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/114' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

EDENTON, NC

(6) Airport

NORTHEASTERN RGNL

(7) Effective Date

30 JUL 2009

(8) Amdt. No.

ORIG

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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	
FENAG (IAF)	BELGA (NOPT) (FB)	312.27 / 5.00	2700	LPV: DA LNAV/VNAV: DA LNAV: RW04 CLIMB TO 2500 DIRECT FENIM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 222.38 INBOUND. CHART FAS OBST: 250 TREE 355021N/0775428W CHART FAS OBST: 294 ANTENNA 354824N/0775654W DISTANCE TO THLD FROM 200 HAT: 0.45 NM. CHART VDP AT 1.10 MILES TO RW04* *LNAV ONLY. WAAS CHANNEL # 56513 REFERENCE PATH ID: W04A
CIPAM (IAF)	BELGA (NOPT) (FB)	132.17 / 5.00	2700	
BELGA (IF/IAF)	BUGAY (FB)	042.22 / 6.00	2100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW BELGA, RT, 042.22 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
- FAC: 042.26 FAF: BUGAY DIST FAF TO MAP: 5.83 THLD: 5.83
- MIN. ALT: BELGA 2700, BUGAY 2100
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2100 GS ALT AT: BUGAY OM: MM: IM:
- GS ANGLE: 3.00 TCH: 56.1 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 9W 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
LPV DA	359	1/2	200	359	1/2	200	359	1/2	200	359	1/2	200			
LNAV/VNAV DA	521	3/4	362	521	3/4	362	521	3/4	362	521	3/4	362			
LNAV MDA	560	1/2	401	560	1/2	401	560	3/4	401	560	1	401			
CIRCLING	600	1	441	620	1	461	620	1 1/2	461	720	2	561			

NOTES:
 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.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GOLDSBORO-WAYNE MUNI ALTIMETER SETTING
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
2
CHECKED

CITY AND STATE ROCKY MOUNT, NC	ELEVATION: 159 TDZE: 159 AIRPORT NAME: ROCKY MOUNT-WILSON RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1 30 JUL 2009	SUP: AMDT: ORIG DATED 12/25/2003
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**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

AND INCREASE ALL DA 59 FEET, ALL MDA 60 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.

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

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING GOLDSBORO-WAYNE MUNI ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	312/30 CW 132/30 (NOPT)	312/10 CW 132/10	3400
	312/10 CW 132/10	BELGA (IF/IAF) (FB)	2700
2.	132/30 CW 222/30	CIPAM (IAF) (FB)	3400
3.	222/30 CW 312/30	FENAG (IAF) (FB)	3400

QUALITY
2
CHECKED

CITY AND STATE

ROCKY MOUNT, NC

ELEVATION: 159 TDZE: 159

AIRPORT NAME:

ROCKY MOUNT-WILSON RGNL

 FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, AMDT 1

30 JUL 2009

SUP:

AMDT: ORIG

DATED: 12/25/2003

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 KRWI
RUNWAY RW04
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W04A
LTP/FTP LATITUDE 355053.1700N
LTP/FTP LONGITUDE 0775354.6400W
LTP/FTP ELLIPSOIDAL HEIGHT +00132
FPAP LATITUDE 355151.8500N
FPAP LONGITUDE 0775307.2800W
THRESHOLD CROSSING HEIGHT (TCH) 00056.1
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

75DE87A7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00483
FPAP ORTHOMETRIC HEIGHT +00483

QUALITY
2
CHECKED

CITY AND STATE

ROCKY MOUNT, NC

ELEVATION: 159 TDZE: 159

AIRPORT NAME:

ROCKY MOUNT-WILSON RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, AMDT 1

30 JUL 2009

SUP:

AMDT: ORIG

DATED: 12/25/2003

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRWIK7FR04	ABELGA	010BELGAK7EA0EE	AR	HF		04220060	+	02700	18000		A	JS
SUSAP	KRWIK7FR04	ACIPAM	010CIPAMK7EA0E	A	IF					18000		A	JS
SUSAP	KRWIK7FR04	ACIPAM	020BELGAK7EA0EE		010TF		13220050	+	02700			A	JS
SUSAP	KRWIK7FR04	AFENAG	010FENAGK7EA0E	A	IF					18000		A	JS
SUSAP	KRWIK7FR04	AFENAG	020BELGAK7EA0EE		010TF		31230050	+	02700			A	JS
SUSAP	KRWIK7FR04	R	010BELGAK7EA0E	I	IF					18000		A	JS
SUSAP	KRWIK7FR04	R	020BUGAYK7EA1E	F	051TF		04220060	+	02100			A	JS
SUSAP	KRWIK7FR04	R	020BUGAYK7EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KRWIK7FR04	R	030RW04	K7PG0GY	M	031TF	04230058		00215	-300		A	JS
SUSAP	KRWIK7FR04	R	040FENIMK7EA0EYM		010DF				02500			A	JS
SUSAP	KRWIK7FR04	R	050FENIMK7EA0EE		R020HM		22240060	+	02500			A	JS

[illegible][illegible]

QUALITY
CHECKED

CITY AND STATE ROCKY MOUNT, NC	ELEVATION: 159 TDZE: 159 AIRPORT NAME: ROCKY MOUNT-WILSON RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1 30 JUL 2009	SUP:
				AMDT: ORIG
				DATED: 12/25/2003

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
	BELGA	BELGA	010		HF	R	FB		042.2 (033T)	006.0	02700
	CIPAM	CIPAM	010	IAF	IF		FB				
	CIPAM	BELGA	020		TF		FB	1.0	132.2 (123T)	005.0	02700
	FENAG	FENAG	010	IAF	IF		FB				
	FENAG	BELGA	020		TF		FB	1.0	312.3 (303T)	005.0	02700
		BELGA	010	FACF	IF		FB				02700
		BUGAY	020	FAF	TF		FB	0.5	042.2 (033T)	006.0	02100
		RW04	030	MAP	TF		FO	0.3	042.3 (033T)	005.8	00215

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FENIM	040		DF		FO	1.0			02500
	FENIM	050		HM	R	FO	2.0	222.4 (213T)	006.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BELGA	N354058.88	W0780152.91	N3540.981	W07801.882
	BUGAY	N354600.50	W0775750.47	N3546.008	W07757.841
	CIPAM	N354343.37	W0780701.16	N3543.723	W07807.019
	FENAG	N353814.17	W0775645.01	N3538.236	W07756.750
	FENIM	N360105.76	W0774539.05	N3601.096	W07745.651
	RW04	N355053.17	W0775354.64	N3550.886	W07753.911

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00159	56

QUALITY
CHECKED

CITY AND STATE ROCKY MOUNT, NC	ELEVATION: 159 TDZE: 159	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1 30 JUL 2009	SUP:
	AIRPORT NAME: ROCKY MOUNT-WILSON RGNL			AMDT: ORIG
				DATED: 12/25/2003

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												
APUCE (IAF)	FENIM (NOPT) (FB)	132.33 / 5.00	2500	LNNAV: RW22 CLIMBING RIGHT TURN TO 2500 DIRECT FENIM AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 279 TREE 355330N/0775240W CHART VDP AT 1.15 MILES TO RW22. BONAC TO RW22: 3.04/41 CHART WILSON INDUSTRIAL AIR CENTER											
CERBA (IAF)	FENIM (NOPT) (FB)	312.41 / 5.00	2500												
FENIM (IF/IAF)	BONAC (FB)	222.38 / 6.05	1800												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE FENIM, RT, 222.38 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>222.34</u> FAF: <u>BONAC</u> DIST FAF TO MAP: <u>4.98</u> THLD: <u>4.98</u> 4. MIN. ALT: <u>FENIM 2500, BONAC 1800, BUDAY/2.40 NM TO RW22 940</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> </u>				MAG VAR: <u>9W</u> EPOCH YEAR: <u>2005</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
LNNAV MDA	560	1	406	560	1	406	560	1 1/4	406	560	1 1/4	406			
CIRCLING	600	1	441	620	1	461	620	1 1/2	461	720	2	561			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GOLDSBORO-WAYNE MUNI ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND LNNAV CAT D VISIBILITY 1/4 MILE CHART NOTE: VDP NA WHEN USING GOLDSBORO-WAYNE MUNI ALTIMETER SETTING.															
CITY AND STATE		ELEVATION: 159 TDZE: 154		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
ROCKY MOUNT, NC		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 22, AMDT 1				AMDT: ORIG					
		ROCKY MOUNT-WILSON RGNL				30 JUL 2009				DATED 12/25/2003					

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TAA

	FROM	TO	ALT
1.	132/30 CW 312/30 (NOPT)	FENIM (IF/IAF) (FB)	2500
2.	312/30 CW 042/30	CERBA (IAF) (FB)	2500
3.	042/30 CW 132/30	042/10 CW 132/10	3300
	042/10 CW 132/10	APUCE (IAF) (FB)	2500

CITY AND STATE

ROCKY MOUNT, NC

ELEVATION: 159

TDZE: 154

AIRPORT NAME:

ROCKY MOUNT-WILSON RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, AMDT 1

30 JUL 2009

SUP:

AMDT:

ORIG

DATED:

12/25/2003

QUALITY
2
CHECKED

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRWIK7FR22	AAPUCE	010APUCEK7EA0E	A	IF					18000		B JS	
SUSAP	KRWIK7FR22	AAPUCE	020FENIMK7EA0EE		010TF		13230050	+	02500			B JS	
SUSAP	KRWIK7FR22	ACERBA	010CERBAK7EA0E	A	IF					18000		B JS	
SUSAP	KRWIK7FR22	ACERBA	020FENIMK7EA0EE		010TF		31240050	+	02500			B JS	
SUSAP	KRWIK7FR22	AFENIM	010FENIMK7EA0EE	AR	HF		22240060	+	02500	18000		B JS	
SUSAP	KRWIK7FR22	R	010FENIMK7EA0E	I	IF			+	02500	18000		B JS	
SUSAP	KRWIK7FR22	R	020BONACK7EA1E	F	051TF		22240061	+	01800			B JS	
SUSAP	KRWIK7FR22	R	020BONACK7EA2WN			N	ALNAV					JS	
SUSAP	KRWIK7FR22	R	021BUDAYK7EA0E	S	031TF		22230026	V	0094000973		-304	B JS	
SUSAP	KRWIK7FR22	R	030RW22 K7PG0GY	M	031TF		22230024		00192		-304	B JS	
SUSAP	KRWIK7FR22	R	040FENIMK7EA0EYM	R010DF				+	02500			B JS	
SUSAP	KRWIK7FR22	R	050FENIMK7EA0EE		R020HM		22240060	+	02500			B JS	

[illegible]

QUALITY
CHECKED

SUP:	
AMDT:	ORIG
DATED:	12/25/2003

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
	APUCE	APUCE	010	IAF	IF		FB				
	APUCE	FENIM	020		TF		FB	1.0	132.3 (123T)	005.0	02500
	CERBA	CERBA	010	IAF	IF		FB				
	CERBA	FENIM	020		TF		FB	1.0	312.4 (303T)	005.0	02500
	FENIM	FENIM	010	IAF	HF	R	FB		222.4 (213T)	006.0	02500
		FENIM	010	FACF	IF		FB				02500
		BONAC	020	FAF	TF		FB	0.5	222.4 (213T)	006.1	01800
		BUDAY	021	SDF	TF		FB	0.3	222.3 (213T)	002.6	0094000973
		RW22	030	MAP	TF		FO	0.3	222.3 (213T)	002.4	00192

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FENIM	040		DF	R	FO	1.0			02500
	FENIM	050		HM	R	FO	2.0	222.4 (213T)	006.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	APUCE	N360351.02	W0775048.16	N3603.850	W07750.803
	BONAC	N355602.03	W0774945.10	N3556.034	W07749.752
	BUDAY	N355352.36	W0775129.94	N3553.873	W07751.499
	CERBA	N355820.52	W0774030.48	N3558.342	W07740.508
	FENIM	N360105.76	W0774539.05	N3601.096	W07745.651
	RW22	N355151.85	W0775307.28	N3551.864	W07753.121

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
RW22	00151 41	

QUALITY
1
CHECKED

CITY AND STATE
ROCKY MOUNT, NC

ELEVATION: 159 TDZE: 154
 AIRPORT NAME:
 ROCKY MOUNT-WILSON RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 22, AMDT 1
 30 JUL 2009

SUP:
 AMDT: ORIG
 DATED: 12/25/2003

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: TYI 11.12 DME FIX CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 2000 DIRECT TYI VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 237.79 INBOUND. CHART FAS OBST: 249 TREE 355204N/0775317W CHART 635 TOWER 355407N/0774657W. CRAKO TO RW22: 3.01/41. CHART WILSON INDUSTRIAL AIR CENTER							
TYI VORTAC (IF/IAF)		CRAKO/TYI 6.08 DME		237.79 / 6.08				1800									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE TYI VORTAC, RT, 237.79 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC 237.79 FAF CRAKO/TYI 6.08 DME _____ DIST FAF TO MAP _____ THLD 5.04 4. MIN. ALT TYI VORTAC 2000, CRAKO 1800, LILGE/TYI 8.50 DME 1020 8. MSA FROM: TYI VORTAC 3300										MAG VAR: 5W		EPOCH YEAR: 1965					
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-22		540	1	386	540	1	386	540	1	386	540	1 1/4	386				
CIRCLING		600	1	441	620	1	461	620	1 1/2	461	720	2	561				
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON TYI VORTAC AIRWAY RADIALS 354 CW 064 AND FROM 096 CW 114. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GOLDSBORO-WAYNE MUNI ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND S-22 CAT C AND CAT D VISIBILITY 1/4 MILE.																	
CITY AND STATE				ELEVATION: 159 TDZE: 154				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP	
ROCKY MOUNT, NC				AIRPORT NAME:				TYI				VOR/DME RWY 22, AMDT 3				AMDT 2	
				ROCKY MOUNT-WILSON RGNL								30 JUL 2009				DATE 03/15/2009	

 2
 CHECKED

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)														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;"> <tr> <td>TAKEOFF: _____</td> <td>STANDARD _____</td> <td colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="4">ALTERNATE: N A _____</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> <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>30 JUL 2009</u>																																																																																																																				
CITY AND STATE NORWICH, NY				ELEVATION: 1025 TDZE: 1023 AIRPORT NAME: LT WARREN EATON				FACILITY IDENTIFIER: GPS				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 1, ORIG, 04/13/2006				SUP AMDT NONE DATE																																																																																																				



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	
GROCK (IAF)	GINNS (NOPT) (FB)	283.67 / 6.00	4000	LNAV: RW01
BIVME (IAF)	GINNS (NOPT) (FB)	103.49 / 6.00	4000	
GINNS (IF/IAF)	HAPSO (FB)	013.58 / 3.50	3500	CLIMB TO 4000 DIRECT HESOD AND HOLD.
HAPSO	FENUB (FB)	013.58 / 3.48	3000	
				ADDITIONAL FLIGHT DATA: HOLD N, RT, 193.59 INBOUND. CHART FAS OBST: 1722 TREE 422925N/0753052W CHART VDP AT 2.19 MILES TO RW01. CHART: FENUB TO RW01: 3.05/40.

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S GINNS, RT, 013.58 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
- FAC: 013.59 FAF: FENUB DIST FAF TO MAP: 6.02 THLD: 6.02
- MIN. ALT: GINNS 4000, HAPSO 3500, FENUB 3000
- 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: 11W

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	1980	1 1/4	957	1980	1 1/2	957	1980	3	957	1980	3	957			
CIRCLING	2140	1 1/4	1115	2160	1 1/2	1135	2160	3	1135	2220	3	1195			

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
SEE 8260-10

CITY AND STATE NORWICH, NY	ELEVATION: 1025 TDZE: 1023 AIRPORT NAME: LT WARREN EATON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 30 JUL 2009	SUP: AMDT: NONE DATED
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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.

BINGHAMTON ALTIMETER SETTING AND INCREASE ALL MDA 160 FEET.

CHART NOTE: VDP NA WHEN USING BINGHAMTON ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	284/30 CW 104/30 (NOPT)	284/15 CW 104/15	5000
2.	284/15 CW 104/15	GINNS (IF/IAF) (FB)	4000
3.	104/30 CW 194/30	BIVME (IAF) (FB)	5000
4.	194/30 CW 284/30	GROCK (IAF) (FB)	5000

CITY AND STATE

NORWICH, NY

ELEVATION: 1025 TDZE: 1023

AIRPORT NAME:

LT WARREN EATON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, 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 KOICK6FR01	ABIVME	010BIVMEK6EA0E	A	IF						18000		B JS	
SUSAP KOICK6FR01	ABIVME	020GINNSK6EA0EE		010TF			10350060	+	04000			B JS	
SUSAP KOICK6FR01	AGINNS	010GINNSK6EA0EE	CR	HF			01360040	+	04000	18000		B JS	
SUSAP KOICK6FR01	AGROCK	010GROCKK6EA0E	A	IF						18000		B JS	
SUSAP KOICK6FR01	AGROCK	020GINNSK6EA0EE		010TF			28370060	+	04000			B JS	
SUSAP KOICK6FR01	R	010GINNSK6EA0E	I	IF				+	04000	18000		B JS	
SUSAP KOICK6FR01	R	020HAPSOK6EA1E	F	051TF			01360035	+	03500			B JS	
SUSAP KOICK6FR01	R	020HAPSOK6EA2WN			N	ALNAV						JS	
SUSAP KOICK6FR01	R	021FENUBK6EA1E	F	051TF			01360035	+	03000			B JS	
SUSAP KOICK6FR01	R	021FENUBK6EA2WN			N	ALNAV						JS	
SUSAP KOICK6FR01	R	030RW01 K6PG0GY	M	031TF			01360060		01050	-305		B JS	
SUSAP KOICK6FR01	R	040HESODK6EA0EYM		DF				+	04000			B JS	
SUSAP KOICK6FR01	R	050HESODK6EA0EE	HR020HM				19360040	+	04000			B JS	

[illegible]

CITY AND STATE NORWICH, NY	ELEVATION: 1025 TDZE: 1023 AIRPORT NAME: LT WARREN EATON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, 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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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BIVME	BIVME	010	IAF	IF		FB				
	BIVME	GINNS	020		TF		FB	1.0	103.5 (093T)	006.0	04000
	GINNS	GINNS	010		HF	R	FB		013.6 (003T)	004.0	04000
	GROCK	GROCK	010	IAF	IF		FB				
	GROCK	GINNS	020		TF		FB	1.0	283.7 (273T)	006.0	04000
		GINNS	010	FACF	IF		FB				04000
		HAPSO	020	FAF	TF		FB	0.5	013.6 (003T)	003.5	03500
		FENUB	021	FAF	TF		FB	0.5	013.6 (003T)	003.5	03000
		RW01	030	MAP	TF		FO	0.3	013.6 (003T)	006.0	01050

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HESOD	040		DF		FO				04000
	HESOD	050		HM	R	FO	2.0	193.6 (183T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BIVME	N422054.58	W0754020.65	N4220.910	W07540.344
	FENUB	N422737.04	W0753150.18	N4227.617	W07531.836
	GINNS	N422038.65	W0753215.65	N4220.644	W07532.261
	GROCK	N422022.15	W0752410.72	N4220.369	W07524.179
	HAPSO	N422408.51	W0753202.89	N4224.142	W07532.048
	HESOD	N424719.08	W0753037.91	N4247.318	W07530.632
	RW01	N423338.12	W0753128.12	N4233.635	W07531.469

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW01	01010	40

CITY AND STATE
NORWICH, NY

ELEVATION: 1025 TDZE: 1023
 AIRPORT NAME:
LT WARREN EATON

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 1, ORIG
30 JUL 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	LNAB: RW19 CLIMB TO 4000 DIRECT GINNS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 013.58 INBOUND. CHART FAS OBST: 1759 TREE 423605N/0753042W CHART 1859 TREE 423811N/0753107W. CHART: ETROC TO RW19: 3.08/38.
CIGTO (IAF)	HESOD (NOPT) (FB)	103.50 / 6.00	4000	
DEMFO (IAF)	HESOD (NOPT) (FB)	283.68 / 6.00	4000	
HESOD (IF/IAF)	EGJAR (FB)	193.59 / 3.50	3500	
EGJAR	FAPGO (FB)	193.59 / 3.52	3000	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N HESOD, RT, 193.59 INBOUND, 4000 FT. IN LIEU OF PT (IAF)
- FAC: 193.58 FAF: FAPGO DIST FAF TO MAP: 5.98 THLD: 5.98
- MIN. ALT: HESOD 4000, EGJAR 3500, FAPGO 3000, ETROC/3.30 NM TO RW19 2140*
- 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: 11W

EPOCH YEAR: 1965

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
LNAB MDA	2020	1 1/4	995	2020	1 1/2	995	2020	3	995	2020	3	995			
CIRCLING	2140	1 1/4	1115	2160	1 1/2	1135	2160	3	1135	2220	3	1195			

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 BINGHAMTON ALTIMETER SETTING AND INCREASE ALL MDA 160 FEET.
 SEE 8260-10

CITY AND STATE NORWICH, NY	ELEVATION: 1025 TDZE: 1025 AIRPORT NAME: LT WARREN EATON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 30 JUL 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.

CHART PROFILE NOTE: *2300 WHEN USING BINGHAMTON ALTIMETER SETTING.

CHART NOTE: CAT D STRAIGHT-IN MINIMA N A WHEN USING BINGHAMTON ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	104/30 CW 284/30 (NOPT)	104/15 CW 284/15	5000
2.	104/15 CW 284/15	HESOD (IF/IAF) (FB)	4000
3.	284/30 CW 014/30	DEMFO (IAF) (FB)	5000
4.	014/30 CW 104/30	CIGTO (IAF) (FB)	5000

QUALITY
9
CHECKED

CITY AND STATE

NORWICH, NY

ELEVATION: 1025 TDZE: 1025

AIRPORT NAME:

LT WARREN EATON

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 19, 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][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

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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
	CIGTO	CIGTO	010	IAF	IF		FB				
	CIGTO	HESOD	020		TF		FB	1.0	103.5 (093T)	006.0	04000
	DEMFO	DEMFO	010	IAF	IF		FB				
	DEMFO	HESOD	020		TF		FB	1.0	283.7 (273T)	006.0	04000
	HESOD	HESOD	010		HF	R	FB		193.6 (183T)	004.0	04000
		HESOD	010	FACF	IF		FB				04000
		EGJAR	011	SDF	TF		FB	0.5	193.6 (183T)	003.5	03500
		FAPGO	020	FAF	TF		FB	0.5	193.6 (183T)	003.5	03000
		ETROC	021	SDF	TF		FB	0.3	193.6 (183T)	002.7	0214002150
		RW19	030	MAP	TF		FO	0.3	193.6 (183T)	003.3	01061

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GINNS	040		DF		FO				04000
	GINNS	050		HM	R	FO	2.0	013.6 (003T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CIGTO	N424735.06	W0753846.36	N4247.584	W07538.773
	DEMFO	N424702.52	W0752229.53	N4247.042	W07522.492
	EGJAR	N424349.24	W0753050.78	N4243.821	W07530.846
	ETROC	N423737.50	W0753113.52	N4237.625	W07531.225
	FAPGO	N424018.37	W0753103.69	N4240.306	W07531.062
	GINNS	N422038.65	W0753215.65	N4220.644	W07532.261
	HESOD	N424719.08	W0753037.91	N4247.318	W07530.632
	RW19	N423419.64	W0753125.59	N4234.327	W07531.427

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW19	01023		38

CITY AND STATE
NORWICH, NY

ELEVATION: 1025 TDZE: 1025
 AIRPORT NAME:
LT WARREN EATON

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 19, ORIG
30 JUL 2009

SUP:
 AMDT: **NONE**
 DATED:

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) 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>30 JUL 2009</u>																			
CITY AND STATE NORWICH, NY		ELEVATION: 1025 TDZE: 1025 AIRPORT NAME: LT WARREN EATON				FACILITY IDENTIFIER: RKA		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RNAV OR GPS RWY 19, AMDT 2 10 OCT 96				SUP AMDT AMDT 1A DATE 09/03/93							



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 1, STANDARD.

RWY 19, 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 260 FEET PER NM TO 1000.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, TREES BEGINNING 1,243' FROM DER, 101' RIGHT OF CENTERLINE, UP TO 70' AGL/589' AGL.

NOTE: RWY 19, TREES BEGINNING 973' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 70' AGL/789' MSL.

(4) CONTROLLING OBSTACLES:

RWY 1: 589 MSL TREE 351101.40N/0881243.40W.

RWY 19: 789 MSL TREE 350808.90N/0881351.20W.

QUALITY
5
CHECKED

(5) City, State

SAVANNAH, TN

(6) Airport

SAVANNAH-HARDIN COUNTY

(7) Effective Date

30 JUL 2009

(8) Amdt. No.

3

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 01, STANDARD WITH MINIMUM CLIMB OF 439 FEET PER NM TO 2800, OR 3600-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 13, NA - OBSTACLES

RWY 19, STANDARD WITH MINIMUM CLIMB OF 470 FEET PER NM TO 3300, OR 3600-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 31, STANDARD WITH MINIMUM CLIMB OF 420 FEET PER NM TO 4500, OR 3600-3 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 01: CLIMB VIA 013 COURSE TO DYO NDB, CROSS DYO NDB AT OR ABOVE 6000, IF NOT AT 6000, DEPART DYO NDB ON BEARING 325 TO 6000 BEFORE PROCEEDING ON COURSE. FOR CLIMB IN VISUAL CONDITIONS: CROSS RUTLAND-SOUTHERN VERMONT RGNL AIRPORT AT OR ABOVE 4300 BEFORE PROCEEDING ON COURSE.

RWY 19: CLIMB HEADING 193.53 TO 1400, THEN CLIMBING RIGHT TURN VIA 025 COURSE TO DYO NDB, CROSS DYO NDB AT OR ABOVE 6000, IF NOT AT 6000, DEPART DYO NDB ON BEARING 325 TO 6000 BEFORE PROCEEDING ON COURSE. FOR CLIMB IN VISUAL CONDITIONS: CROSS RUTLAND-SOUTHERN VERMONT RGNL AIRPORT AT OR ABOVE 4300 BEFORE PROCEEDING ON COURSE.

RWY 31: CLIMB HEADING 328.64 TO 1600, THEN CLIMBING RIGHT TURN VIA 025 COURSE TO DYO NDB, CROSS DYO NDB AT OR ABOVE 6000, IF NOT AT 6000, DEPART DYO NDB ON BEARING 325 TO 6000 BEFORE PROCEEDING ON COURSE. FOR CLIMB IN VISUAL CONDITIONS: CROSS RUTLAND-SOUTHERN VERMONT RGNL AIRPORT AT OR ABOVE 4300 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 01, TREE 46' FROM DER, 417' LEFT OF CENTERLINE, 80' AGL/829' MSL. TREE 79' FROM DER, 424' RIGHT OF CENTERLINE, 80' AGL/805' MSL. NOTE: RWY 19, TREES BEGINNING 391' FROM DER, 178' LEFT OF CENTERLINE, UP TO 80' AGL/864' MSL. TREES BEGINNING 166' FROM DER, 303' RIGHT OF CENTERLINE, UP TO 80' AGL/843' MSL. NOTE: RWY 31, TREE 357' FROM DER, 400' LEFT OF CENTERLINE, 80' AGL/843' MSL. ROAD 334' FROM DER, 94' LEFT OF CENTERLINE, 20' AGL/799' MSL. TREE 885' FROM DER, 201' RIGHT OF CENTERLINE, 80' AGL/818' MSL. TREE 891' FROM DER, 403' RIGHT OF CENTERLINE, 80' AGL/827' MSL.

(4) CONTROLLING OBSTACLES:

RWY 01: 1679 MSL TREE 433457.19N/0725600.76W

RWY 19: 2609 MSL AAO 4433032.10N/0730247.80W

RWY 31: 1279 MSL TREE 433323.62N/0725913.66W

VCOA: 4435 MSL AAO 433631.00N/0724919.40W

(5) City, State

RUTLAND, VT

(6) Airport

RUTLAND-SOUTHERN VERMONT RGNL

(7) Effective Date

30 JUL 2009

(8) Amdt. No.

3

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				
				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: _____
 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: _____

MAG VAR: _____ EPOCH YEAR: _____

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	DH/MDA	VIS	HAT/HAA

NOTES:

PROCEDURE CANCELED EFFECTIVE 30 JUL 2009

CITY AND STATE	ELEVATION: 1248 TDZE: 1240	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MORGANTOWN, WV	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 18, AMDT 2, 01/18/2007	AMDT: 1
	MORGANTOWN MUNI-WLB HART FIELD			DATED 01/25/2001

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 RWY 3: CLIMB HEADING 031.02 TO 540', THEN RIGHT TURN DIRECT WEEKE, THENCE...
TAKE OFF RWY 21: CLIMB HEADING 211.03 TO 540', THEN DIRECT WEEKE, THENCE...

...VIA 245.70 TRACK TO BET VORTAC. CONTINUE CLIMB TO MEA FOR ROUTE OF FLIGHT.

(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 3, 21 STANDARD

NOTE: RNAV 1

NOTE: GPS REQUIRED

(4) Takeoff Obstacle Notes:

(5) Controlling Obstacles:

(6) Fixes and/or NAVAID'S :

(7) DP Name

AKIAK

(8) Number

ONE

(9) DP Computer Code

AKIAK1.BET

(10) Superseded Number

NONE

(11) Dated

(12) Effective Date

27 AUG 2009

QUALITY
CHECKED

(13) Airports Served					
Airport Name AKIAK	City/State AKIAK, AK				
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: ANCHORAGE CENTER, CTAF/UNICOM					
(16) Additional Flight Data: REFERENCE MAG VAR: PFAK 16E EPOCH 2005. DME/DME ASSESSMENT NOT CONDUCTED.					
(17) Continuation:					
(7) DP Name AKIAK	(8) Number ONE	(9) DP Computer Code AKIAK1.BET	(10) Superseded Number NONE	(11) Dated	(12) Effective Date 27 AUG 2009



DEPARTURE (Data Record)	
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[illegible]

QUALITY
9
CHECK

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
AKIAK	ONE	AKIAK1.BET	NONE		27 AUG 2009

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:

(2) TEXTUAL DEPARTURE PROCEDURE:

USE AKIAK DEPARTURE.

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

QUALITY
9
CHECKED

(5) City, State

AKIAK, AK

(6) Airport

AKIAK

(7) Effective Date

27 AUG 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 5, STANDARD WITH A MINIMUM CLIMB OF 240 TO 5300, OR 1200-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

RWY 23, STANDARD WITH A MINIMUM CLIMB OF 220 TO 5300, OR 1200-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 5, CLIMB VIA HEADING 051.74 TO 3500 BEFORE PROCEEDING ON COURSE.

RWY 23, CLIMB VIA HEADING 231.77 TO 2400 BEFORE PROCEEDING ON COURSE.

RWY 5, 23 FOR CLIMB IN VISUAL CONDITIONS: CROSS ALLAKAKET AIRPORT AT OR ABOVE 1500 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES: NOTE RWY 5, TREE 799' FROM DER, 606' RIGHT OF CENTERLINE 40' AGL/532' MSL. TREE 1297' FROM DER, 664' RIGHT OF CENTERLINE 40' AGL/534' MSL. TREE 2007' FROM DER, 342' RIGHT OF CENTERLINE 40' AGL/498' MSL.

(4) CONTROLLING OBSTACLES:

RWY 5: 1925 MSL AAO 664024.20N/1522934.30W, 4105 MSL AAO 665309.00N/1525248.00W

RWY 23: 1249 MSL AAO 662904.50N/1524439.46W, 4105 MSL AAO 665309.00N/1525248.00W

RWY 5, 23 (VCOA): 839 MSL AAO 663113.74N/1523745.51W, 4105 AAO 665309.00N/1525248.00W

(5) City, State

ALLAKAKET, AK

(6) Airport

ALLAKAKET

(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, 23 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 5, MULTIPLE TREES BEGINNING 229 FT FROM DER, 262 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/419 FT MSL. MULTIPLE TREES BEGINNING 1263 FT FROM DER, 373 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/419 FT MSL. VEHICLE ON ROAD 392 FT FROM DER, 9 FT RIGHT OF CENTERLINE, 10 FT AGL/369 FT MSL. NOTE: RWY 23, MULTIPLE TREES BEGINNING 1259 FT FROM DER, 374 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/419 FT MSL. MULTIPLE TREES BEGINNING 1277 FT FROM DER, 366 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/419 FT MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
2
CHECKED

(5) City, State

BEAVER, AK

(6) Airport

BEAVER

(7) Effective Date

27 AUG 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 3, 21 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, TREE 330' FROM DER, 355' LEFT OF CENTERLINE, 15' AGL/564' MSL. TREE 1291' FROM DER, 191' RIGHT OF CENTERLINE, 15' AGL/564' MSL.

NOTE: RWY 21, TREE 237' FROM DER, 92' LEFT OF CENTERLINE, 15' AGL/564' MSL. TREE 692' FROM DER, 346' LEFT OF CENTERLINE, 15' AGL/564' MSL. TREE 909' FROM DER, 472' RIGHT OF CENTERLINE, 15' AGL/564' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
5
CHECKED

(5) City, State CHALKYITSIK, AK	(6) Airport CHALKYITSIK	(7) Effective Date 27 AUG 2009	(8) Amdt. No. ORIG
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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: RW14 CLIMB TO 4100 DIRECT PABGE AND VIA 132.02 TRACK TO AFVEK AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4100. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 319.67 INBOUND. CHART FAS OBST: 214 TREE 551506N/1624412W DISTANCE TO THLD FROM 250 HAT: 0.61 NM. CHART VDP AT 1.20 MILES TO RW14* *LNAV ONLY. WAAS CHANNEL # 45612 REFERENCE PATH ID: W14A CHART WAAS SYMBOL									
CHUNA		GENFU (FB)		036.71 / 22.83				4100											
SAFKO		RORAQ (FB)		216.47 / 30.08				3700											
BINAL		RORAQ (FB)		219.15 / 30.55				3700											
GLENT		RORAQ (FB)		282.61 / 7.01				3000											
CDB VORTAC		DEADS (FO)		325.24 / 10.00				3000											
ELF NDB		DEADS (FO)		324.28 / 8.21				3000											
AFVEK		DEADS (FO)		319.67 / 29.04				4100											
SEE 8260-10																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW DEADS, LT, 144.23 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 144.31 FAF: JEGNO _____ DIST FAF TO MAP: 5.02 THLD: 5.02 4. MIN. ALT: DEADS 3000, JEGNO 1800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: JEGNO _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.10 TCH: 55.3 34:1 IS CLEAR 8. MSA FROM: RW14 7100														MAG VAR: 14E		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	
LPV DA		324		2400		250		324		2400		250		324		2400		250	
LNAV MDA		520		2400		446		520		2400		446		520		5000		446	
CIRCLING		540		1		444		560		1		464		560		1 1/2		464	
NOTES: CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 26 AND 32 NA AT NIGHT. CHART NOTE: CIRCLING NA FOR CATS C AND D SOUTHWEST OF RWY 14-32. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: CIRCLING NA FOR CATS A AND B SOUTHWEST OF RWY 14-32 AT NIGHT.																			
CITY AND STATE				ELEVATION: 96 TDZE: 74				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
COLD BAY, AK				AIRPORT NAME: COLD BAY								RNAV (GPS) RWY 14, AMDT 1				AMDT: ORIG			
												27 AUG 2009				DATED 12/22/2005			

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 CONT.

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GENFU (IAF)	DEADS (NOPT) (FB)	061.06 / 8.06	3000
RORAQ (IAF)	DEADS (NOPT) (FB)	234.36 / 6.00	3000
DEADS (IF/IAF)	JEGNO (FB)	144.23 / 7.95	1800

CITY AND STATE

COLD BAY, AK

ELEVATION: 96

TDZE: 74

AIRPORT NAME:

COLD BAY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, AMDT 1

27 AUG 2009

SUP:

AMDT:

ORIG

DATED:

12/22/2005

 QUALITY
9
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	PACD
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	551320.6200N
LTP/FTP LONGITUDE	1624416.5100W
LTP/FTP ELLIPSOIDAL HEIGHT	+00376
FPAP LATITUDE	551145.1600N
FPAP LONGITUDE	1624310.2600W
THRESHOLD CROSSING HEIGHT (TCH)	00055.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	107.00
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

B0BF152D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PA
LTP ORTHOMETRIC HEIGHT	+00210
FPAP ORTHOMETRIC HEIGHT	+00210

QUALITY
9
CHECKED

CITY AND STATE

COLD BAY, AK

ELEVATION: 96

TDZE: 74

AIRPORT NAME:

COLD BAY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, AMDT 1

27 AUG 2009

SUP:

AMDT: ORIG

DATED: 12/22/2005

Corrected ARIN 2.

ARINC PACKET - 424-18 - RNAV (GPS)[illegible]

SUP:	
AMDT:	ORIG
DATED:	12/22/2005

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.

SCANP	PACDPAFR14	ACHUNA	030DEADSPAEOEE	010TF		06110081	+	03000			A JS
SCANP	PACDPAFR14	AELF	010ELF PADBON	IF					18000		A JS
SCANP	PACDPAFR14	AELF	020DEADSPAEOEY	020TF		32430082	+	03000			A JS
SCANP	PACDPAFR14	AELF	030DEADSPAEOEE CL	HF		14420040	+	03000			A JS
SCANP	PACDPAFR14	AGLENT	010GLENTPAEA0E	IF					18000		A JS
SCANP	PACDPAFR14	AGLENT	020RORAQPAEA0E	A 020TF		28260070	+	03000			A JS
SCANP	PACDPAFR14	AGLENT	030DEADSPAEOEE	010TF		23440060	+	03000			A JS
SCANP	PACDPAFR14	ASAFKO	010SAFKOPAEOE	IF					18000		A JS
SCANP	PACDPAFR14	ASAFKO	020RORAQPAEA0E	A 020TF		21650301	+	03700			A JS
SCANP	PACDPAFR14	ASAFKO	030DEADSPAEOEE	010TF		23440060	+	03000			A JS
SCANP	PACDPAFR14	R	010DEADSPAEOE I	IF			+	03000	18000		A JS
SCANP	PACDPAFR14	R	020JEGNOPAEA1E	F 051TF		14420080	+	01800		RW14 PAPGA JS	
SCANP	PACDPAFR14	R	020JEGNOPAEA2WALPV		N	ALNAV					JS
SCANP	PACDPAFR14	R	030RW14 PAPGGGY M	031TF		14430050		00124	-310		A JS
SCANP	PACDPAFR14	R	040PABGEPAEA0E M	010DF							A JS
SCANP	PACDPAFR14	R	050AFVEKPAEOEY	010TF		1320	+	04100			A JS
SCANP	PACDPAFR14	R	060AFVEKPAEOEE	HR02OHM		31970050	+	04100			A JS

[illegible]

SCANP PACDPAGRW14 0104151444 N55132062W162441651+0200 +0037600069000055150I

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789	01234567890	12345678901	23456789012	34567890123

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SCANP PACDPAPR14  RW14 001 0000W14A0N5513206200W16244165100+003760310N5511451600W16243102600107000000000553F400500B0BF152D
SCANP PACDPAPR14  RW14 002E      +00210+00210LEV      45612

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[illegible]

SCANP PACDPASRW14 PAPG 0 18018007125 M

CITY AND STATE COLD BAY, AK	ELEVATION: 96 TDZE: 74 AIRPORT NAME: COLD BAY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 1 27 AUG 2009	SUP:	
				AMDT:	ORIG
				DATED:	12/22/2005

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.

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AFVEK	AFVEK	010		IF		FB				
	AFVEK	DEADS	020	IAF	TF		FO	2.0	319.7 (334T)	029.0	04100
	AFVEK	DEADS	030		HF	L	FO		144.2 (158T)	004.0	03000
	BINAL	BINAL	010		IF		FB				
	BINAL	RORAQ	020	IAF	TF		FB	2.0	219.2 (233T)	030.6	03700
	BINAL	DEADS	030		TF		FB	1.0	234.4 (248T)	006.0	03000
	CDB	CDB	010		IF		FB				
	CDB	DEADS	020	IAF	TF		FO	2.0	325.2 (339T)	010.0	03000
	CDB	DEADS	030		HF	L	FO		144.2 (158T)	004.0	03000
	CHUNA	CHUNA	010		IF		FB				
	CHUNA	GENFU	020	IAF	TF		FB	2.0	036.7 (051T)	022.8	04100
	CHUNA	DEADS	030		TF		FB	1.0	061.1 (075T)	008.1	03000
	ELF	ELF	010		IF		FB				
	ELF	DEADS	020	IAF	TF		FO	2.0	324.3 (338T)	008.2	03000
	ELF	DEADS	030		HF	L	FO		144.2 (158T)	004.0	03000
	GLENT	GLENT	010		IF		FB				
	GLENT	RORAQ	020	IAF	TF		FB	2.0	282.6 (297T)	007.0	03000
	GLENT	DEADS	030		TF		FB	1.0	234.4 (248T)	006.0	03000
	SAFKO	SAFKO	010		IF		FB				
	SAFKO	RORAQ	020	IAF	TF		FB	2.0	216.5 (231T)	030.1	03700
	SAFKO	DEADS	030		TF		FB	1.0	234.4 (248T)	006.0	03000
		DEADS	010	FACF	IF		FB				03000
		JEGNO	020	FAF	TF		FB	0.5	144.2 (158T)	008.0	01800
		RW14	030	MAP	TF		FO	0.3	144.3 (158T)	005.0	00124

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	PABGE	040		DF		FB	1.0			
	AFVEK	050		TF		FO	1.0	132.0 (146T)		04100
	AFVEK	060		HM	R	FO	2.0	319.7 (334T)	005.0	04100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CDB	N551602.56	W1624627.26	N5516.043	W16246.454
	ELF	N551745.86	W1624720.67	N5517.764	W16247.345
	AFVEK	N545926.01	W1623004.41	N5459.434	W16230.074
	BINAL	N554559.99	W1615956.43	N5546.000	W16159.941
	CHUNA	N550856.89	W1633719.66	N5508.948	W16337.328
	DEADS	N552522.40	W1625240.45	N5525.373	W16252.674
	GENFU	N552318.64	W1630620.78	N5523.311	W16306.346

CITY AND STATE
COLD BAY, AK

ELEVATION: 96 TDZE: 74
 AIRPORT NAME:
 COLD BAY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 14, AMDT 1
 27 AUG 2009

SUP:
 AMDT: ORIG
 DATED: 12/22/2005

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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GLENT	N552427.72	W1623152.63	N5524.462	W16231.877
JEGNO	N551800.26	W1624731.10	N5518.004	W16247.518
PABGE	N550858.14	W1624114.57	N5508.969	W16241.243
RORAQ	N552735.27	W1624253.19	N5527.588	W16242.887
SAFKO	N554648.66	W1620207.95	N5546.811	W16202.133
RW14	N551320.62	W1624416.51	N5513.344	W16244.275

RUNWAY DATA

	THRESHOLD	
RWY	ELEVATION	TCH
RW14	00069	55

CITY AND STATE
COLD BAY, AK

ELEVATION: 96 TDZE: 74
AIRPORT NAME:
COLD BAY

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, AMDT 1
27 AUG 2009

SUP:
AMDT: ORIG
DATED: 12/22/2005

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks, and radials are

(1) TAKEOFF MINIMUMS:

RWY 1, 19 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 1 - CLIMB HEADING 013.08 TO 1000 BEFORE PROCEEDING ON COURSE.

RWY 19 - CLIMB HEADING 193.09 TO 1000 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 1, MULTIPLE TREES BEGINNING 11 FEET FROM DER, 163 FEET RIGHT OF CENTERLINE, UP TO 60 FEET AGL/159 FEET MSL. MULTIPLE TREES BEGINNING 14 FEET FROM DER, 140 FEET LEFT OF CENTERLINE, UP TO 60 FEET AGL/159 FEET MSL. NOTE: RWY 19, MULTIPLE TREES BEGINNING 21 FEET FROM DER, 98 FEET RIGHT OF CENTERLINE, UP TO 60 FEET AGL/159 FEET MSL. MULTIPLE TREES BEGINNING 47 FEET FROM DER, 117 FEET LEFT OF CENTERLINE, UP TO 60 FEET AGL/159 FEET MSL.

(4) CONTROLLING OBSTACLES:

RWY 1: 706 MSL TOWER 621204.69N/1594654.30W. RWY 19: 659 MSL TREE 621102.00N/1595034.00W, 789 MSL AAO 620920.60N/1595500.73W, 559 MSL TREE 621101.00N/1594947.00W, 528 MSL TREE 621039.00N/1595016.00W, 706 MSL TOWER 621204.69N/1594654.30W.

(5) City, State

HOLY CROSS, AK

(6) Airport

HOLY CROSS

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

2

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 2, 20 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

(5) City, State

KOTLIK, AK

(6) Airport

KOTLIK

(7) Effective Date

27 AUG 2009

(8) Amdt. No.

ORIG

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 17, 500-2 WITH MINIMUM CLIMB OF 430 FEET PER NM TO 1400 OR 1900-2 FOR CLIMB IN VISUAL CONDITIONS. CLIMB IN VISUAL CONDITIONS NA AT NIGHT.

RWY 35, 500-2 WITH MINIMUM CLIMB OF 330 FEET PER NM TO 3800 OR 1900-2 FOR CLIMB IN VISUAL CONDITIONS. CLIMB IN VISUAL CONDITIONS NA AT NIGHT.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 17, 35, FOR CLIMB IN VISUAL CONDITIONS: CROSS RUSSIAN MISSION AT OR ABOVE 1800. DO NOT EXCEED 180 KNOTS UNTIL PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, MULTIPLE TREES BEGINNING 1193 FEET FROM DER, 808 FEET RIGHT OF CENTERLINE, UP TO 80 FEET AGL/279 FEET MSL.

NOTE: RWY 35, MULTIPLE TREES BEGINNING 2116 FEET FROM DER, 907 FEET LEFT OF CENTERLINE, UP TO 80 FEET AGL/329 FEET MSL.

(4) CONTROLLING OBSTACLES:

RWY 17: 279 MSL TREE 614601.41N-1611934.55W, 1007 MSL TREE 614320.37N-1612139.26W, 929 MSL TREE 614334.78N-1612100.13W, 2825 MSL AAO 615721.60N-1611142.10W, 629 MSL TREE 614418.23N-1611949.89W, 679 MSL TREE 614412.80N-1611958.19W.

RWY 35: 329 MSL TREE 614712.00N-1611921.00W, 929 MSL TREE 614334.78N-1612100.13W, 1007 MSL TREE 614320.37N-1612139.26W, 2825 MSL AAO 615721.60N-1611142.10W. VCOA: 2825 MSL AAO 615721.60N-1611142.10W.

(5) City, State

RUSSIAN MISSION, AK

(6) Airport

RUSSIAN MISSION

(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.																																																																																																																																															
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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: _____																																																																																																																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TAKEOFF:</td> <td></td> <td>STANDARD</td> <td></td> <td colspan="4">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="2">ALTERNATE: N A</td> <td colspan="5"></td> </tr> <tr> <td colspan="2">CATEGORY =====></td> <td colspan="3">A</td> <td colspan="3">B</td> <td colspan="3">C</td> <td colspan="3">D</td> <td colspan="3">E</td> </tr> <tr> <td></td> <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> <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><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><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><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><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><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	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	MDA	VIS	HAT/HAA																																																																																																																																				
NOTES: PROCEDURE CANCELED EFFECTIVE <u>27 AUG 2009</u>																																																																																																																																																				
CITY AND STATE BRINKLEY, AR				ELEVATION: 194 TDZE: AIRPORT NAME: FRANK FEDERER MEMORIAL				FACILITY IDENTIFIER: BKZ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-A, AMDT 2A, 08/31/2006				SUP AMDT 2 DATE 09/06/2001																																																																																																																																						

QUALITY
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									
SAFIL (IAF)	AMIVY (NOPT) (FB)	237.88 / 5.00	4300	LPV: DA LNAV/VNAV: DA LNAV: RW33 CLIMB TO 4300 DIRECT AMTAH AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 147.67 INBOUND. CHART FAS OBST: 2200 TOWER 414038N/0980052W CHART FAS OBST: 1939 TREE 414329N/0980223W DISTANCE TO THLD FROM 250 HAT: 0.74 NM. WAAS CHANNEL # 93913 REFERENCE PATH ID: W33A CHART VDP AT 2.14NM TO RWY 33*								
VAZRO (IAF)	AMIVY (NOPT) (FB)	057.74 / 5.00	4300									
AMIVY (IF/IAF)	JAYZU (FB)	327.81 / 6.10	3400									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE AMIVY, RT, 327.81 INBOUND, 4300 FT. IN LIEU OF PT (IAF) 3. FAC: 327.77 FAF: JAYZU DIST FAF TO MAP: 4.90 THLD: 4.90 4. MIN. ALT: AMIVY 4300, JAYZU 3400 5. DIST TO THLD FROM OM: MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3400 GS ALT AT: JAYZU 3400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: _____				MAG VAR: 6E 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
LPV DA	2053	1	250	2053	1	250	NA		NA			
LNAV/VNAV DA	2279	1 3/4	476	2279	1 3/4	476	NA		NA			
LNAV MDA	2500	1	697	2500	1	697	NA		NA			
CIRCLING	2500	1	694	2500	1	694	NA		NA			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING NORFOLK ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10.												
CITY AND STATE		ELEVATION: 1806 TDZE: 1803		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
ALBION, NE		AIRPORT NAME: ALBION MUNI				RNAV (GPS) RWY 33, AMDT 2		AMDT: 1				
						27 AUG 2009		DATED 09/25/2008				

QUALITY
9
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 NORFOLK ALTIMETER SETTING AND INCREASE

ALL DA 106 FEET, ALL MDA 120 FEET, INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS

VISIBILITY 1/2 MILE, LNAV CAT B AND CIRCLING CAT B VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING NORFOLK ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	238/30 CW 306/30 (NOPT)	238/9 CW 306/9	4800
2.	238/9 CW 306/9	AMIVY (IF/AF) (FB)	4300
3.	306/30 CW 058/30 (NOPT)	AMIVY (IF/AF) (FB)	4300
4.	058/30 CW 148/30	VAZRO (IAF) (FB)	4300
5.	148/30 CW 238/30	SAFIL (IAF) (FB)	4300

QUALITY
9
CHECKED

CITY AND STATE

ALBION, NE

ELEVATION: 1806 TDZE: 1803

AIRPORT NAME:

ALBION MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, AMDT 2

27 AUG 2009

SUP:

AMDT:

1

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBVN
RUNWAY RW33
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W33A
LTP/FTP LATITUDE 414328.4900N
LTP/FTP LONGITUDE 0980309.9390W
LTP/FTP ELLIPSOIDAL HEIGHT +05176
FPAP LATITUDE 414446.4300N
FPAP LONGITUDE 0980402.6000W
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 1624
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

F2FE9766

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +05421
FPAP ORTHOMETRIC HEIGHT +05421

QUALITY
9
CHECKED

CITY AND STATE
ALBION, NE

ELEVATION: 1806 TDZE: 1803
AIRPORT NAME:
ALBION MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 33, AMDT 2
27 AUG 2009

SUP:
AMDT: 1
DATED: 09/25/2008

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBVNK3FR33	AAMIVY	010AMIVYK3EA0EE	AR	HF		32780050	+	04300	18000		A	JS
SUSAP	KBVNK3FR33	ASAFIL	010SAFILK3EA0E	A	IF					18000		A	JS
SUSAP	KBVNK3FR33	ASAFIL	020AMIVYK3EA0EE		010TF		23790050	+	04300			A	JS
SUSAP	KBVNK3FR33	AVAZRO	010VAZROK3EA0E	A	IF					18000		A	JS
SUSAP	KBVNK3FR33	AVAZRO	020AMIVYK3EA0EE		010TF		05770050	+	04300			A	JS
SUSAP	KBVNK3FR33	R	010AMIVYK3EA0E	I	IF			+	04300	18000		A	JS
SUSAP	KBVNK3FR33	R	020JAYZUK3EA1E	F	051TF		32780061	+	03400			A	JS
SUSAP	KBVNK3FR33	R	020JAYZUK3EA2WALPV			ALNAV/VNAV	ALNAV						JS
SUSAP	KBVNK3FR33	R	030RW33	K3PGOGY	M	031TF		32780049		01818	-300	A	JS
SUSAP	KBVNK3FR33	R	040AMTAHK3EA0EYM		010DF			+	04300			A	JS
SUSAP	KBVNK3FR33	R	050AMTAHK3EA0EE		R020HM		14770050	+	04300			A	JS

[illegible]

QUALITY
CHECKED

CITY AND STATE ALBION, NE	ELEVATION: 1806 TDZE: 1803	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIROUT NAME:		RNAV (GPS) RWY 33, AMDT 2	AMDT: 1
	ALBION MUNI		27 AUG 2009	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
	AMIVY	AMIVY	010	IAF	HF	R	FB		327.8 (334T)	005.0	04300
	SAFIL	SAFIL	010	IAF	IF		FB				
	SAFIL	AMIVY	020		TF		FB	1.0	237.9 (244T)	005.0	04300
	VAZRO	VAZRO	010	IAF	IF		FB				
	VAZRO	AMIVY	020		TF		FB	1.0	057.7 (064T)	005.0	04300
		AMIVY	010	FACF	IF		FB				04300
		JAYZU	020	FAF	TF		FB	0.5	327.8 (334T)	006.1	03400
		RW33	030	MAP	TF		FO	0.3	327.8 (334T)	004.9	01818

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AMTAH	040		DF		FO	1.0			04300
	AMTAH	050		HM	R	FO	2.0	147.7 (154T)	005.0	04300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AMIVY	N413334.14	W0975640.96	N4133.569	W09756.683
	AMTAH	N415351.24	W0981002.55	N4153.854	W09810.043
	JAYZU	N413902.68	W0980016.43	N4139.045	W09800.274
	SAFIL	N413546.41	W0975042.28	N4135.774	W09750.705
	VAZRO	N413121.43	W0980239.58	N4131.357	W09802.660
	RW33	N414326.49	W0980309.94	N4143.442	W09803.166

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW33	01778	40

QUALITY
1
CHECKED

CITY AND STATE
ALBION, NE

ELEVATION: 1806 TDZE: 1803
 AIRPORT NAME:
 ALBION MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 33, AMDT 2
 27 AUG 2009

SUP:
 AMDT: 1
 DATED: 09/25/2008

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

ADDITIONAL FLIGHT DATA:

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
 2. _____
 3. FAC _____ FA= _____ 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 NEW YORK, NY	ELEVATION: 21 TDZE: AIRPORT NAME: LA GUARDIA	FACILITY IDENTIFIER: LGA	PROCEDURE NO./AMD T NO./EFFECTIVE DATE: VOR/DME-E, AMDT 2A, 09/04/2003	SUP
				AMDT 2
				DATE 04/30/92

GPS STANDARD INSTRUMENT APPROACH PROCEDURE

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

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 READING, PA				ELEVATION: 344 TDZE: 344 AIRPORT NAME: READING RGNL/CARL A SPAATZ FLD				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 13, ORIG -A 20 APR 2000				SUP AMDT ORIG DATE 28 JAN 99			

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: _____																																																																																																																										
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TAKEOFF: _____</td> <td>STANDARD _____</td> <td colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="2">ALTERNATE: N A _____</td> </tr> <tr> <td>CATEGORY =====></td> <td colspan="2">A</td> <td colspan="3">B</td> <td colspan="3">C</td> <td colspan="3">D</td> <td colspan="3">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> <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><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> </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																																																																																
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 READING, PA		ELEVATION: 344 TDZE: 319 AIRPORT NAME: READING RGNL/CARL A SPAATZ FLD		FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 18, ORIG-A 20 APR 2000				SUP AMDT ORIG DATE 25 MAR 99																																																																																																																										

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: 5.30 MILES AFTER PGODA INT/6.36 DME OR AT 1.06 DME FIX CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3200 VIA HEADING 280 AND LRP VORTAC R-020 TO OUTLT INT/I-VXO 12.73 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3000 VIA HEADING 280 AND ETX VOR/DME R-234 TO BOYER INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000, HOLD SE, RT, 327.51 INBOUND. ADDITIONAL FLIGHT DATA: CHART: ALTERNATE MA HOLDING, HOLD SE BOYER INT, RT, 327.51 INBOUND. CHART FAS OBST: 715 TREE 402415N/0760048W CHART 819 TREE 402646N/0760441W CHART VDP AT 2.90 DME; DISTANCE VDP TO THLD 1.84 MILES. CHART IN PLANVIEW: BOYER INT.											
ETX VOR/DME	OUTLT INT/I-VXO 12.73 DME	265.27 / 24.13	4000												
LRP VORTAC	OUTLT INT/I-VXO 12.73 DME	020.29 / 22.28	3600												
OUTLT INT/I-VXO 12.73 DME (I/F/IAF)	BRAGG INT/9.10 DME	133.26 / 3.63 (I-VXO)	2900												
BRAGG INT/9.10 DME	PGODA INT/6.36 DME	133.26 / 2.74 (I-VXO)	2100												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW OUTLT, RT, 133.26 INBOUND, 3200 FT. IN LIEU OF PT (IAF) 3. FAC: <u>133.26</u> FAF: <u>PGODA INT/6.36 DME</u> DIST FAF TO MAP: <u>5.30</u> THLD: <u>5.30</u> 4. MIN. ALT: <u>OUTLT 3200, BRAGG 2900, PGODA 2100</u> 5. DIST TO THLD FROM OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u> </u> 150 HAT: <u> </u> - <u> </u> 100 HAT: <u> </u> - <u> </u> GS ANT: <u>1100</u> 6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>PGODA 2100</u> OM: <u> </u> - <u> </u> MM: <u> </u> - <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>44.7</u> 8. MSA FROM: <u>RD LOM 045-135 2600, 135-045 3100</u>				MAG VAR: 12W EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ X SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A		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	544	3/4	200	544	3/4	200	594	3/4	250	594	3/4	250			
S-LOC 13	980	1	636	980	1	636	980	1 3/4	636	980	2	636			
CIRCLING	1000	1	656	1000	1	656	1000	1 3/4	656	1120	2 1/2	776			
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT OUTLT ON V-276 SOUTHEAST BOUND. CHART NOTE: VDP NA WHEN USING HARRISBURG INTL ALTIMETER SETTING. CHARTE NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND SEE 8260-10. # CAT A, B, C 700-2, CAT D 800-2 1/2 @ CAT D 800-2 1/2 # @ NA WHEN CONTROL TOWER CLOSED. # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.															
CITY AND STATE		ELEVATION: 344 TDZE: 344		FACILITY IDENTIFIER: I-VXO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: ILS RWY 13					
READING, PA		AIRPORT NAME:				ILS OR LOC RWY 13, AMDT 1				AMDT: ORIG					
		READING RGNL/CARL A SPAATZ FLD				27 AUG 2009				DATED 03/25/1999					

**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.

INCREASE S-ILS 13 CATS A AND B DA TO 637 FEET AND VISIBILITY 1/4 MILE, CATS C AND D DA TO 687 FEET AND VISIBILITY 1/2 MILE. INCREASE ALL MDA 100 FEET AND S-LOC 13 CATS C AND D VISIBILITY 1/4 MILE, CIRCLING CAT C VISIBILITY 1/2 MILE, AND CATS B AND D VISIBILITY 1/4 MILE.

CITY AND STATE

READING, PA

ELEVATION: 344 TDZE: 344

AIRPORT NAME:

READING RGNL/CARL A SPAATZ FLD

FACILITY
IDENTIFIER:

I-VXO

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 13, AMDT 1

27 AUG 2009

SUP: ILS RWY 13

AMDT: ORIG

DATED: 03/25/1999

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: 4.70 MILES AFTER SROKA INT/RADAR CLIMB TO 3000 VIA HEADING 004 AND VIA RAV VORTAC R-114 TO DUMMR INT/RAV 22.90 DME AND HOLD, CONTINUE CLIMB-IN-HOLD 3000; OR WHEN DIRECTED BY ATC, CLIMB TO 900 THEN CLIMBING LEFT TURN TO 3000 VIA HEADING 200 AND ETX VOR/DME R-234 TO BOYER INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000, HOLD SE, RT, 327.51 INBOUND.											
PTW VORTAC	HUMEL INT/RADAR	273.07 / 17.01	4500	ADDITIONAL FLIGHT DATA: HOLD SE, RT, 293.51 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD SE BOYER INT, RT, 327.51 INBOUND. CHART FAS OBST: 507 TOWER 401929N/0755630W CHART 639 TREE 401729N/0755719W. CHART 959 TREE 401639N/0755731W CHART IN PLANVIEW: BOYER INT.											
ETX VOR/DME	HUMEL INT/RADAR	214.74 / 25.85	2900												
LRP VORTAC (IAF)	HUMEL INT/RADAR (NOPT)	084.32 / 17.26	2700												
MXE VORTAC (IAF)	HUMEL INT/RADAR (NOPT)	333.29 / 20.27	2700												
HUMEL INT/RADAR (IF/IAF)	SROKA INT/RADAR	004.17 / 6.10 (I-RDG)	1900												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S HUMEL, RT, 004.17 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: <u>004.17</u> FAF: <u>SROKA INT/RADAR</u> DIST FAF TO MAP: <u>4.70</u> THLD: <u>4.70</u> 4. MIN. ALT: <u>HUMEL 2700, SROKA 1900, VISBY INT/RADAR 920*</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>850</u> 6. MIN GS INCPT: <u>1900</u> GS ALT AT: <u>SROKA INT/RADAR 1900</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.4</u> 8. MSA FROM: <u>RD LOM 045-135 2600, 135-045 3100</u>				MAG VAR: 12W EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF: <u> </u>	STANDARD ☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	ILS: # <u> </u>	LOC: STANDARD @ <u> </u>										
CATEGORY =====>	A		B		C										
	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 36	593	1	250	593	1	250	593	1	250	593	1	250			
S-LOC 36	820	1	477	820	1	477	820	1 1/4	477	820	1 1/2	477			
CIRCLING	1000	1	656	1000	1	656	1000	1 3/4	656	1120	2 1/2	776			
NOTES: CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *LOC ONLY SEE 8260-10															
CITY AND STATE READING, PA		ELEVATION: 344 TDZE: 343 AIRPORT NAME: READING RGNL/CARL A SPAATZ FLD		FACILITY IDENTIFIER: I-RDG		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 36, AMDT 30 27 AUG 2009				SUP: AMDT: 29A DATED 08/31/2006					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

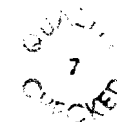
Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except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

NOTES CONT.

*1020 WHEN USING HARRISBURG INTL ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND INCREASE S-ILS 36 DA TO 686 FEET AND ALL VISIBILITIES 1/4 MILE. INCREASE ALL MDA 100 FEET AND S-LOC 36 CATS C AND D VISIBILITY 1/4 MILE, AND CIRCLING CAT B AND D VISIBILITY 1/4 MILE, CAT C VISIBILITY 1/2 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LRP VORTAC AIRWAY RADIALS 030 CW 104, AND ON MXE VORTAC AIRWAY RADIALS 283 CW 025.



CITY AND STATE

READING, PA

ELEVATION: 344 TDZE: 343

AIRPORT NAME:

READING RGNL/CARL A SPAATZ FLD

FACILITY
IDENTIFIER:

I-RDG

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 36, AMDT 30

27 AUG 2009

SUP:

AMDT: 29A

DATED: 08/31/2006

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					
ETX VOR/DME	GEFWI (FB)	277.99 / 20.88	4000	LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 3000 DIRECT UROUT AND VIA 120.18 TRACK TO HOUTN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.				
GEFWI (IAF)	OUTLT (NOPT) (FB)	223.16 / 5.00	3200					
HWANG (IAF)	OUTLT (NOPT) (FB)	065.68 / 7.63	3200	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 120.18 INBOUND. CHART FAS OBST: 768 TREE 402421N/0760036W CHART 1028 TREE 402712N/0760346W DISTANCE TO THLD FROM 460 HAT: 1.31 NM. CHART VDP AT 1.96 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 45712 REFERENCE PATH ID: W13A				
OUTLT (IF/IAF)	BRAGG (FB)	133.10 / 3.63	2900					
BRAGG	PGODA (FB)	133.16 / 2.74	2100					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW OUTLT, RT, 133.10 INBOUND, 3200 FT. IN LIEU OF PT (IAF) 3. FAC: 133.20 FAF: PGODA DIST FAF TO MAP: 5.30 THLD: 5.30 4. MIN. ALT: OUTLT 3200, BRAGG 2900, PGODA 2100 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2100 GS ALT AT: PGODA 2100 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 44.7 34:1 IS NOT CLEAR 8. MSA FROM: RW13 3400				MAG VAR: 12W 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
LPV DA	804	1 3/4	460	804	1 3/4	460	804	1 3/4
LNAV/VNAV DA	1156	2	812	1156	2	812	1156	2 3/4
LNAV MDA	1020	1	676	1020	1	676	1020	2 1/4
CIRCLING	1020	1	676	1020	1	676	1120	2 1/2
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (115F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW AND PROFILE NOTE: FOR LNAV/VNAV FLY VISUAL TO AIRPORT, 133 DEGREES - 2.4 MILES. SEE 8260-10								
CITY AND STATE		ELEVATION: 344 TDZE: 344		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:
READING, PA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 13, ORIG		AMDT: NONE
		READING RGNL/CARL A SPAATZ FLD				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: NOPT FOR ARRIVAL AT OUTLT ON V-276 SOUTHEAST BOUND.

CHART NOTE: VDP NA WHEN USING HARRISBURG INTL ALTIMETER SETTING.

CHART NOTE: LNAV/VNAV NA WHEN USING HARRISBURG ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT HWANG VIA V-162 WESTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ETX VOR/DME AIRWAY RADIALS 234 CW 324.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND INCREASE LPV DA TO 897 FEET AND VISIBILITY 1/4 MILE ALL CATS. INCREASE ALL MDA 100 FEET AND LNAV CATS B,C, AND D VISIBILITY 1/4 MILE, CIRCLING CATS B, C, AND D VISIBILITY 1/4 MILE.

CITY AND STATE

READING, PA

ELEVATION: 344 TDZE: 344

AIRPORT NAME:

READING RGNL/CARL A SPAATZ FLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, 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	KRDG
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	402300.8600N
LTP/FTP LONGITUDE	0755841.1700W
LTP/FTP ELLIPSOIDAL HEIGHT	+00697
FPAP LATITUDE	402228.2900N
FPAP LONGITUDE	0755731.0400W
THRESHOLD CROSSING HEIGHT (TCH)	00044.7
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

B6EAE3BF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01047
FPAP ORTHOMETRIC HEIGHT	+01047

CITY AND STATE
READING, PA

ELEVATION: 344 TDZE: 344
AIRPORT NAME:
READING RGNL/CARL A SPAATZ FLD

FACILITY
IDENTIFIER:
RNAV

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

SUP:	
AMDT:	NONE
DATED:	

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP KRDGK6FR13	AETX	010ETX	K6D	0V	IF					18000		A	JS	
SUSAP KRDGK6FR13	AETX	020GEFWIK6EA0E	A	020TF		27800209		+ 04000				A	JS	
SUSAP KRDGK6FR13	AETX	030OUTLTK6EA0EE		010TF		22320050		+ 03200				A	JS	
SUSAP KRDGK6FR13	AHWANG	010HWANGK6EA0E	A	IF						18000		A	JS	
SUSAP KRDGK6FR13	AHWANG	020OUTLTK6EA0EE		010TF		06570076		+ 03200				A	JS	
SUSAP KRDGK6FR13	AOULTT	010OUTLTK6EA0EE	CR	HF		13310040		+ 03200		18000		A	JS	
SUSAP KRDGK6FR13	R	010OUTLTK6EA0E	I	IF				+ 03200		18000		A	JS	
SUSAP KRDGK6FR13	R	011BRAGGK6EA0E	S	051TF		13310036		+ 02900				A	JS	
SUSAP KRDGK6FR13	R	020PGODAK6EA1E	F	051TF		13320027		+ 02100			RW13	K6PGA	JS	
SUSAP KRDGK6FR13	R	020PGODAK6EA2WALPV			ALNAV/VNAV	ALNAV							JS	
SUSAP KRDGK6FR13	R	030RW13	K6PGOGY	M	031TF		13320053		00389		-300		A	JS
SUSAP KRDGK6FR13	R	040UROUTK6EA0E	M	DF									A	JS
SUSAP KRDGK6FR13	R	050HOUTNK6EA0EY		TF		1202		+ 03000				A	JS	
SUSAP KRDGK6FR13	R	060HOUTNK6EA0EE	HR020HM			12020040		+ 03000				A	JS	

CITY AND STATE READING, PA	ELEVATION: 344 TDZE: 344 AIRPORT NAME: READING RGNL/CARL A SPAATZ FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

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SUSAP KRDGK6GRW13 0063501333 N40230086W075584117-0200 +0069700344000045150I

SUSAP KRDGK6PR13	RW13 001 0000W13A0N4023008600W07558411700+006970300N4022282900W07557310400106500000000447F400500B6EAE3BF
SUSAP KRDGK6PR13	RW13 002E +01047+01047LPV 45712 000

SUSAP KRDGK6SRW13 K6PG 0 18018003425 M

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
	ETX	ETX	010		IF		FB				
	ETX	GEFWI	020	IAF	TF		FB	2.0	278.0 (266T)	020.9	04000
	ETX	OUTLT	030		TF		FB	1.0	223.2 (211T)	005.0	03200
	HWANG	HWANG	010	IAF	IF		FB				
	HWANG	OUTLT	020		TF		FB	1.0	065.7 (054T)	007.6	03200
	OUTLT	OUTLT	010		HF	R	FB		133.1 (121T)	004.0	03200
		OUTLT	010	FACF	IF		FB				03200
		BRAGG	011	SDF	TF		FB	0.5	133.1 (121T)	003.6	02900
		PGODA	020	FAF	TF		FB	0.5	133.2 (121T)	002.7	02100
		RW13	030	MAP	TF		FO	0.3	133.2 (121T)	005.3	00389

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	UROUT	040		DF		FB				
	HOUTN	050		TF		FO		120.2 (108T)		03000
	HOUTN	060		HM	R	FO	2.0	120.2 (108T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ETX	N403451.54	W0754102.28	N4034.859	W07541.038
	BRAGG	N402711.05	W0760741.43	N4027.184	W07607.691
	GEFWI	N403320.62	W0760822.22	N4033.344	W07608.370
	HOUTN	N402015.68	W0754938.42	N4020.261	W07549.640
	HWANG	N402432.60	W0761949.08	N4024.543	W07619.818
	OUTLT	N402903.67	W0761145.64	N4029.061	W07611.761
	PGODA	N402545.76	W0760436.96	N4025.763	W07604.616
	UROUT	N402158.52	W0755626.97	N4021.975	W07556.450
	RW13	N402300.86	W0755841.17	N4023.014	W07558.686

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW13	00344	45

CITY AND STATE
READING, PA

ELEVATION: 344 TDZE: 344
 AIRPORT NAME:
 READING RGNL/CARL A SPAATZ FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 13, 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: RW18 CLIMB TO 3000 DIRECT COTAX AND VIA 257.57 TRACK TO BOYER AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 327.51 INBOUND. CHART FAS OBST: 806 TREE 402449N/0755922W DEGDY TO RW18: 3.05/55.
RAV VORTAC	OVOZO (FB)	098.80 / 25.54	4000	
ETX VOR/DME	VEWOR (FB)	287.55 / 9.48	4000	
OVOZO (IAF)	YOCTA (FB)	094.08 / 5.00	3200	
VEWOR (IAF)	YOCTA (FB)	274.22 / 5.00	3200	
YOCTA (IF)	ANORY (FB)	184.15 / 3.00	3000	
ANORY	DEGDY (FB)	184.15 / 3.06	2300	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT YOCTA
3. FAC: 184.16 FAF: DEGDY DIST FAF TO MAP: 6.04 THLD: 6.04
4. MIN. ALT: YOCTA 3200, ANORY 3000, DEGDY 2300
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW18 3400

MAG VAR: 12W 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	980	1	661	980	1	661	980	1 3/4	661	980	2	661				
CIRCLING	1000	1	656	1000	1	656	1000	1 3/4	656	1120	2 1/2	776				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT ETX VOR/DME AIRWAY RADIALS 234 CW 324.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT RAV VORTAC VIA V-170 NORTHWEST BOUND.
SEE 8260-10

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

CITY AND STATE READING, PA	ELEVATION: 344 TDZE: 319 AIRPORT NAME: READING RGNL/CARL A SPAATZ FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, 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 NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE LNAV CAT B VISIBILITY 1/4 MILE, CATS C AND D VISIBILITY 1/2 MILE. INCREASE CIRCLING CATS B AND D VISIBILITY 1/4 MILE, CAT C VISIBILITY 1/2 MILE.

CITY AND STATE

READING, PA

ELEVATION: 344 TDZE: 319

AIRPORT NAME:

READING RGNL/CARL A SPAATZ FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG**27 AUG 2009**

SUP:

AMDT: **NONE**DATED: **1**

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KRDGK6FR18	AETX	010ETX	K6D 0V	IF						18000		P JS	
SUSAP KRDGK6FR18	AETX	020VEWORK6EA0E	A	020TF		28760095	+	04000				P JS	
SUSAP KRDGK6FR18	AETX	030YOCTAK6EA0EE		010TF		27420050	+	03200				P JS	
SUSAP KRDGK6FR18	ARAV	010RAV	K6D 0V	IF						18000		P JS	
SUSAP KRDGK6FR18	ARAV	020VOZOK6EA0E	A	020TF		09880255	+	04000				P JS	
SUSAP KRDGK6FR18	ARAV	030YOCTAK6EA0EE		010TF		09410050	+	03200				P JS	
SUSAP KRDGK6FR18	R	010YOCTAK6EA0E	I	IF						18000		P JS	
SUSAP KRDGK6FR18	R	011ANORYK6EA0E	S	051TF		18420030	+	03000				P JS	
SUSAP KRDGK6FR18	R	020DEGDYK6EA1E	F	051TF		18420031	+	02300			RW18	K6PGP JS	
SUSAP KRDGK6FR18	R	020DEGDYK6EA2WN			N	ALNAV						JS	
SUSAP KRDGK6FR18	R	030RW18	X6PGOGY	M	031TF	18420060		00346		-305		P JS	
SUSAP KRDGK6FR18	R	040COTAXK6EA0E	M	DF								P JS	
SUSAP KRDGK6FR18	R	050BOYERK6EA0EY		TF		2576	+	03000				P JS	
SUSAP KRDGK6FR18	R	060BOYERK6EA0EE		HR020HM		32750040	+	03000				P JS	

CITY AND STATE READING, PA	ELEVATION: 344 TDZE: 319 AIRPORT NAME: READING RGNL/CARL A SPAATZ FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 27 AUG 2009	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

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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
ETX		ETX	010		IF		FB				
ETX		VEWOR	020	IAF	TF		FB	2.0	287.6 (276T)	009.5	04000
ETX		YOCTA	030		TF		FB	1.0	274.2 (262T)	005.0	03200
RAV		RAV	010		IF		FB				
RAV		OVOZO	020	IAF	TF		FB	2.0	098.8 (087T)	025.5	04000
RAV		YOCTA	030		TF		FB	1.0	094.1 (082T)	005.0	03200
		YOCTA	010	FACF	IF		FB				03200
		ANORY	011	SDF	TF		FB	0.5	184.2 (172T)	003.0	03000
		DEGDY	020	FAF	TF		FB	0.5	184.2 (172T)	003.1	02300
		RW18	030	MAP	TF		FO	0.3	184.2 (172T)	006.0	00346

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	COTAX	040		DF		FB				
	BOYER	050		TF		FO		257.6 (246T)		03000
	BOYER	060		HM	R	FO	2.0	327.5 (316T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ETX	N403451.54	W0754102.28	N4034.859	W07541.038
	RAV	N403312.21	W0763557.77	N4033.204	W07635.963
	ANORY	N403206.63	W0755923.16	N4032.111	W07559.386
	BOYER	N401636.84	W0760509.38	N4016.614	W07605.156
	COTAX	N401925.27	W0755706.06	N4019.421	W07557.101
	DEGDY	N402904.38	W0755850.26	N4029.073	W07558.838
	OVOZO	N403423.88	W0760625.42	N4034.398	W07606.424
	VEWOR	N403545.88	W0755325.29	N4035.765	W07553.422
	YOCTA	N403505.06	W0755955.42	N4035.084	W07559.924
	RW18	N402305.36	W0755745.60	N4023.089	W07557.760

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW18	00291		55

CITY AND STATE
READING, PAELEVATION: 344 TDZE: 319
AIRPORT NAME:
READING RGNL/CARL A SPAATZ FLDFACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18, ORIG
27 AUG 2009SUP:
AMDT: NONE
DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE
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TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
ETX VOR/DME	HUMEL (FO)	217.74 / 25.85	2900	LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 3000 DIRECT YEWSU AND VIA 302.93 TRACK TO DUMMR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.											
PTW VORTAC (IAF)	HUMEL (NOPT) (FB)	276.07 / 17.01	2700												
MXE VORTAC (IAF)	HUMEL (NOPT) (FB)	336.29 / 20.27	2700	ADDITIONAL FLIGHT DATA: HOLD SE, RT, 294.51 INBOUND. CHART FAS OBST: 586 BLDG 402011N/0755532W CHART FAS OBST: 413 TREE 402145N/0755720W CHART 639 TREE 401845N/0755738W. CHART 739 TREE 401724N/0755800W DISTANCE TO THLD FROM 279 HAT: 0.75 NM. WAAS CHANNEL # 97412 REFERENCE PATH ID: W36A											
LRP VORTAC (IAF)	HUMEL (NOPT) (FB)	087.32 / 17.26	2700												
HUMEL (IF/IAF)	SROKA (FB)	004.19 / 6.10	1900												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S HUMEL, RT, 004.19 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: 004.18 FAF: SROKA DIST FAF TO MAP: 4.70 THLD: 4.70 4. MIN. ALT: HUMEL 2700, SROKA 1900, VISBY/2.00 NM TO RW36 1020" 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1900 GS ALT AT: SROKA 1900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.4 34:1 IS NOT CLEAR 8. MSA FROM: RW36 3100				MAG VAR: 12W 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	622	1	279	622	1	279	622	1	279	622	1	279			
LNAV/VNAV DA	830	1 3/4	487	830	1 3/4	487	830	1 3/4	487	830	1 3/4	487			
LNAV MDA	740	1	397	740	1	397	740	1	397	740	1 1/4	397			
CIRCLING	1000	1	656	1000	1	656	1000	1 3/4	656	1120	2 1/2	776			
NOTES: CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: BARO-VNAV NA WHEN USING HARRISBURG INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). SEE 8260-10															
CITY AND STATE				ELEVATION: 344 TDZE: 343		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
READING, PA				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 36, ORIG				AMDT: NONE			
				READING RGNL/CARL A SPAATZ FLD				27 AUG 2009				DATED			

QUALITY
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: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND INCREASE LPV DA TO 715 FEET AND VISIBILITY 1/4 MILE; INCREASE LNAV/VNAV DA TO 923 FEET AND VISIBILITY 1/4 MILE. INCREASE ALL MDA 100 FEET AND LNAV CATS C AND D VISIBILITY 1/4 MILE AND CIRCLING CAT B AND D VISIBILITY 1/4 MILE, CAT C VISIBILITY 1/2 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON LRP VORTAC AIRWAY RADIALS 030 CW 104, MXE VORTAC AIRWAY RADIALS 283 CW 025, PTW VORTAC AIRWAY RADIALS 231 CW 287, AND ETX VOR/DME AIRWAY RADIALS 234 CW 260.

CITY AND STATE

READING, PA

ELEVATION: 344 TDZE: 343

AIRPORT NAME:

READING RGNL/CARL A SPAATZ FLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, 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 INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRDG
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	402214.9400N
LTP/FTP LONGITUDE	0755736.5300W
LTP/FTP ELLIPSOIDAL HEIGHT	+00694
FPAP LATITUDE	402305.3600N
FPAP LONGITUDE	0755745.6000W
THRESHOLD CROSSING HEIGHT (TCH)	00040.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	89.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

395F7CA6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01043
FPAP ORTHOMETRIC HEIGHT	+01043

CITY AND STATE

READING, PA

ELEVATION: 344

TDZE: 343

AIRPORT NAME:

READING RGNL/CARL A SPAATZ FLD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, 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.

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAD	ETX	K6011020VDLW	N40345154W075410228	N40345154W075410228	W0090000750	NAREAST TEXAS							
SUSAD	LRP	K6011730VTL	N40071187W076172869	N40071187W076172869	W0090000400	NARLANCASTER							
SUSAD	MXE	K6011320VTLA	N39550499W075401487	N39550499W075401487	W0090000474	NARMODENA							
SUSAD	PTW	K6011650VTLW	N40132016W07533696	N40132016W07533696	W0090000290	NARPOTTSTOWN							

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRDGK6FR36	AETX	010ETX	K6D 0V	IF					18000		A JS	
SUSAP	KRDGK6FR36	AETX	020HUMELK6EA0EY	A	020TF		21770259	+	02900			A JS	
SUSAP	KRDGK6FR36	AETX	030HUMELK6EA0EB	CR	HF		00420040	+	02700			A JS	
SUSAP	KRDGK6FR36	ALRP	010LRP	K6D 0V	A	IF				18000		A JS	
SUSAP	KRDGK6FR36	ALRP	020HUMELK6EA0EE		010TF		08730173	+	02700			A JS	
SUSAP	KRDGK6FR36	AMXE	010MXE	K6D 0V	A	IF				18000		A JS	
SUSAP	KRDGK6FR36	AMXE	020HUMELK6EA0EE		010TF		33630203	+	02700			A JS	
SUSAP	KRDGK6FR36	PTW	010PTW	K6D 0V	A	IF				18000		A JS	
SUSAP	KRDGK6FR36	PTW	020HUMELK6EA0EE		010TF		27610170	+	02700			A JS	
SUSAP	KRDGK6FR36	R	010HUMELK6EA0E	I	IF			+	02700	18000		A JS	
SUSAP	KRDGK6FR36	R	020SROKAK6EA1E	F	051TF		00420061	+	01900		RW36	K6PGA	JS
SUSAP	KRDGK6FR36	R	020SROKAK6EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KRDGK6FR36	R	021VISBYK6EA0E	S	031TF		00420027	V	0102001023		-300		A JS
SUSAP	KRDGK6FR36	R	030RW36	K6PGQGY	M	031TF	00420020		00382		-300		A JS

CITY AND STATE READING, PA	ELEVATION: 344 TDZE: 343 AIRPORT NAME: READING RGNL/CARL A SPAATZ FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, 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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SUSAP KRDGK6FR36	R	040YEWSUK6EA0E M	010DF				A JS
SUSAP KRDGK6FR36	R	050DUMMRK6EA0EY	010TF	3029	+ 03000		A JS
SUSAP KRDGK6FR36	R	060DUMMRK6EA0EE	HR020HM	29450040	+ 03000		A JS

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

SUSAP KRDGK6GRW36 0051510042 N40221494W075573653-1000 +0069400342000040150I

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

SUSAP KRDGK6PR36 RW36 001 0000W36A0N4022149400W07557365300+006940300N4023053600W07557456000089750000000404F4005C0395F7CA6
 SUSAP KRDGK6PR36 RW36 002E +01043+01043LPV 97412 000

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

SUSAP KRDGK6SRW36 K6PG 0 18018003125 M

CITY AND STATE READING, PA	ELEVATION: 344 TDZE: 343	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 27 AUG 2009	SUP:
	AIRPORT NAME: READING RGNL/CARL A SPAATZ FLD			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
ETX		ETX	010		IF		FB				
ETX		HUMEL	020	IAF	TF		FO	2.0	217.7 (206T)	025.9	02900
ETX		HUMEL	030		HF	R	FO		004.2 (352T)	004.0	02700
LRP		LRP	010	IAF	IF		FB				
LRP		HUMEL	020		TF		FB	1.0	087.3 (075T)	017.3	02700
MXE		MXE	010	IAF	IF		FB				
MXE		HUMEL	020		TF		FB	1.0	336.3 (324T)	020.3	02700
PTW		PTW	010	IAF	IF		FB				
PTW		HUMEL	020		TF		FB	1.0	276.1 (264T)	017.0	02700
		HUMEL	010	FACF	IF		FB				02700
		SROKA	020	FAF	TF		FB	0.5	004.2 (352T)	006.1	01900
		VISBY	021	SDF	TF		FB	0.3	004.2 (352T)	002.7	0102001023
		RW36	030	MAP	TF		FO	0.3	004.2 (352T)	002.0	00382

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	YEWSU	040		DF		FB	1.0			
	DUMMR	050		TF		FO	1.0	302.9 (291T)		03000
	DUMMR	060		HM	R	FO	2.0	294.5 (283T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ETX	N403451.54	W0754102.28	N4034.859	W07541.038
	LRP	N400711.87	W0761728.69	N4007.198	W07617.478
	MXE	N395504.99	W0754014.87	N3955.083	W07540.248
	PTW	N401320.16	W0753336.96	N4013.336	W07533.616
	DUMMR	N402810.68	W0760640.18	N4028.178	W07606.670
	HUMEL	N401132.50	W0755541.33	N4011.542	W07555.689
	SROKA	N401735.18	W0755646.29	N4017.586	W07556.772
	VISBY	N402015.97	W0755715.15	N4020.266	W07557.253
	YEWSU	N402543.13	W0755813.99	N4025.719	W07558.233
	RW36	N402214.94	W0755736.53	N4022.249	W07557.609

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW36	00342		40

CITY AND STATE
READING, PA

ELEVATION: 344 TDZE: 343
 AIRPORT NAME:
 READING RGNL/CARL A SPAATZ FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 36, 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: 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
9
08/15/09

CITY AND STATE ANDREWS, TX	ELEVATION: 3174 TDZE: 3174 AIRPORT NAME: ANDREWS COUNTY	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 16, ORIG-B, 08/15/1996	SUP
				AMDT ORIG-A
				DATE 09/15/2000

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 27 AUG 2009



CITY AND STATE ANDREWS, TX	ELEVATION: 3174 TDZE: 3174 AIRPORT NAME: ANDREWS COUNTY	FACILITY IDENTIFIER: ANR	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: NDB RWY 16, AMDT 2A, 08/09/2001	SUP
				AMD'T 2
				DATE 12/13/1990

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: RW16 CLIMB TO 5000 DIRECT ANOXY AND VIA TRACK 150.15 TO PIZON AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 116.59 INBOUND. CHART FAS OBST: 3343 TOWER 322130N/1023245W FAS OBST: 3409 AAO 322336N/1023410W DISTANCE TO THLD FROM 359 HAT: 0.99 NM. WAAS CHANNEL # 65813 REFERENCE PATH ID: W16A											
PATTS	JERGO (FB)	261.85 / 19.84	5500												
ANEEL	CIFZE (FB)	030.68 / 8.05	5500												
JERGO (IAF)	HWSE (NOPT) (FB)	245.49 / 5.00	5500												
CIFZE (IAF)	HWSE (NOPT) (FB)	072.15 / 7.84	5500												
HWSE (IF/IAF)	CUNIN (FB)	155.44 / 6.10	4800												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW HWSE, RT, 155.44 INBOUND, 5500 FT. IN LIEU OF PT (IAF) 3. FAC: 155.46 FAF: CUNIN _____ DIST FAF TO MAP: 4.90 THLD: 4.90 4. MIN. ALT: HWSE 5500, CUNIN 4800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4800 GS ALT AT: CUNIN _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: RW16 5500				MAG VAR: 9E 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	DH/MDA	VIS	HAT/HAA
LPV DA	3533	1 1/4	359	3533	1 1/4	359	3533	1 1/4	359		NA				
LNAV/VNAV DA	3802	2 1/4	628	3802	2 1/4	628	3802	2 1/4	628		NA				
LNAV MDA	3780	1	606	3780	1	606	3780	1 3/4	606		NA				
CIRCLING	3780	1	606	3780	1	606	3780	1 3/4	606		NA				
NOTES: CHART NOTE: CIRCLING NA WEST OF RWY 16/34. CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE ANDREWS, TX		ELEVATION: 3174 TDZE: 3174 AIRPORT NAME: ANDREWS COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, 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 PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: USE MIDLAND ALTIMETER SETTING; WHEN NOT RECEIVED USE BIG SPRING ALTIMETER SETTING AND INCREASE ALL DA 95 FEET, ALL MDA 100 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS, LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE.**

CITY AND STATE

ANDREWS, TX**ELEVATION: 3174 TDZE: 3174**

AIRPORT NAME:

ANDREWS COUNTYFACILITY
IDENTIFIER:**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16, 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 E11
RUNWAY RW16
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W16A
LTP/FTP LATITUDE 322024.4185N
LTP/FTP LONGITUDE 1023202.1620W
LTP/FTP ELLIPSOIDAL HEIGHT +09440
FPAP LATITUDE 321858.4000N
FPAP LONGITUDE 1023134.0100W
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 0976
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

752A6A2F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +09674
FPAP ORTHOMETRIC HEIGHT +09674

CITY AND STATE

ANDREWS, TX

ELEVATION: 3174 TDZE: 3174

AIRPORT NAME:

ANDREWS COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16, ORIG

27 AUG 2009

SUP:

AMDT: NONE

DATED:

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[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP E11 K4FR16	AANEEL	010ANEELK4EA0E	IF						18000			A JS	
SUSAP E11 K4FR16	AANEEL	020CIFZEK4EA0E	A 020TF			03070081	+	05500				A JS	
SUSAP E11 K4FR16	AANEEL	030HWSERK4EA0EE	010TF			07220078	+	05500				A JS	
SUSAP E11 K4FR16	AHWSER	010HWSERK4EA0EE	CR HF			15540050	+	05500	18000			A JS	
SUSAP E11 K4FR16	APATTS	010PATTSK4EA0E	IF						18000			A JS	
SUSAP E11 K4FR16	APATTS	020JERGOK4EA0E	A 020TF			26190198	+	05500				A JS	
SUSAP E11 K4FR16	APATTS	030HWSERK4EA0EE	010TF			24550050	+	05500				A JS	
SUSAP E11 K4FR16	R	010HWSERK4EA0E	I IF				+	05500	18000			A JS	
SUSAP E11 K4FR16	R	020CUNINK4EA1E	F 051TF			15540061	+	04800			RW16 K4PGA	JS	
SUSAP E11 K4FR16	R	020CUNINK4EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP E11 K4FR16	R	030RW16 K4PGOGY	M 031TF			15550049		03219		-300		A JS	
SUSAP E11 K4FR16	R	040ANOXK4EA0E	M 010DF									A JS	
SUSAP E11 K4FR16	R	050PIZONK4EA0EY	010TF			1502	+	05000				A JS	
SUSAP E11 K4FR16	R	060PIZONK4EA0EE	HR020HM			11660050	+	05000				A JS	

CITY AND STATE ANDREWS, TX	ELEVATION: 3174 TDZE: 3174 AIRPORT NAME: ANDREWS COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG 27 AUG 2009	SUP:
				AMDT: NONE
				DATED:

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CITY AND STATE ANDREWS, TX	ELEVATION: 3174 TDZE: 3174 AIRPORT NAME: ANDREWS COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, 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
	ANEEL	ANEEL	010		IF		FB				
	ANEEL	CIFZE	020	IAF	TF		FB	2.0	030.7 (040T)	008.1	05500
	ANEEL	HWSE	030		TF		FB	1.0	072.2 (081T)	007.8	05500
	HWSE	HWSE	010		HF	R	FB		155.4 (164T)	005.0	05500
	PATTS	PATTS	010		IF		FB				
	PATTS	JERGO	020	IAF	TF		FB	2.0	261.9 (271T)	019.8	05500
	PATTS	HWSE	030		TF		FB	1.0	245.5 (255T)	005.0	05500
		HWSE	010	FACF	IF		FB				05500
		CUNIN	020	FAF	TF		FB	0.5	155.4 (164T)	006.1	04800
		RW16	030	MAP	TF		FO	0.3	155.5 (165T)	004.9	03219

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ANOXY	040		DF		FB	1.0			
	PIZON	050		TF		FO	1.0	150.2 (159T)		05000
	PIZON	060		HM	R	FO	2.0	116.6 (126T)	005.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANEEL	N322336.93	W1025045.73	N3223.616	W10250.762
	ANOXY	N321828.56	W1023124.25	N3218.476	W10231.404
	CIFZE	N322949.39	W1024440.99	N3229.823	W10244.683
	CUNIN	N322508.14	W1023335.11	N3225.136	W10233.585
	HWSE	N323101.57	W1023531.14	N3231.026	W10235.519
	JERGO	N323222.08	W1022949.27	N3232.368	W10229.821
	PATTS	N323206.67	W1020621.26	N3232.111	W10206.354
	PIZON	N321007.31	W1022739.83	N3210.122	W10227.664
	RW16	N322024.42	W1023202.16	N3220.407	W10232.036

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW16	03174		45

CITY AND STATE
ANDREWS, TX

ELEVATION: 3174 TDZE: 3174
 AIRPORT NAME:
ANDREWS COUNTY

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 16, ORIG
27 AUG 2009

SUP:
 AMDT: **NONE**
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 2, 11, 16, 29, 34, STANDARD

RWY 20, 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 229 FEET PER NM TO 3700.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 11 - CLIMB HEADING 113.50 TO 3600 BEFORE TURNING LEFT.

RWY 29 - CLIMB HEADING 293.50 TO 3600 BEFORE TURNING LEFT.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 34, ANTENNA 1189' FROM DER, 588' LEFT OF CENTERLINE, 52' AGL/3236' MSL. POLES BEGINNING 181' FROM DER, 470' LEFT OF CENTERLINE, UP TO 36' AGL/3210' MSL. BUSH 471' FROM DER, 92' LEFT OF CENTERLINE, 7' AGL/3186' MSL. TREE 1207' FROM DER, 587' LEFT OF CENTERLINE, 44' AGL/3228' MSL. BUSHES BEGINNING 282' FROM DER, 305' RIGHT OF CENTERLINE, UP TO 10' AGL/3189' MSL. TREE 4780' FROM DER, 895' RIGHT OF CENTERLINE, 100' AGL/3304' MSL.

(4) CONTROLLING OBSTACLES:

RWY 11: 3536 MSL TOWER 321923.00N/1022851.00W

RWY 20: 3488 MSL TOWER 321749.00N/102322700W

RWY 29: 3491 MSL TOWER 322009.00N/1023336.00W



(5) City, State ANDREWS, TX	(6) Airport ANDREWS COUNTY	(7) Effective Date 27 AUG 2009	(8) Amdt. No. 1
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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: RW14 CLIMB TO 3000 DIRECT EFMEW AND VIA TRACK 091.92 TO CLEEP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 199.13 INBOUND. CHART FAS OBST: 325 TREE 302138N/0952520W CHART FAS OBST: 553 TOWER 302550N/0952620W CHART: 551 TOWER 302532N/0952837W DISTANCE TO THLD FROM 200 HAT: 0.52 NM. CHART VDP AT 1.44 MILES TO RW14* *LNAV ONLY. WAAS CHANNEL # 99512 REFERENCE PATH ID: W14A				
HEKRI (IAF)	AXTEP (FB)	230.46 / 5.00	2100					
CEKRU (IAF)	AXTEP (FB)	050.38 / 5.00	2100					
AXTEP (IF)	FOBNA (FB)	140.42 / 6.17	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 AXTEP 3. FAC: <u>140.45</u> FAF: <u>FOBNA</u> DIST FAF TO MAP: <u>5.63</u> THLD: <u>5.63</u> 4. MIN. ALT: <u>AXTEP 2100, FOBNA 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>2100</u> GS ALT AT: <u>FOBNA 2100</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>47.0</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW14 3100</u>				MAG VAR: 5E		EPOCH YEAR: 2000		
MINIMUMS								
TAKEOFF: <u> </u>	<u>STANDARD</u> ☒	<u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>		<u>ALTERNATE: N A</u>		STANDARD @		
CATEGORY =====>	A		B		C		D	
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LPV DA	442	1/2	200	442	1/2	200	442	1/2
LNAV/VNAV DA	604	3/4	362	604	3/4	362	604	3/4
LNAV MDA	720	1/2	478	720	1/2	478	720	1
CIRCLING	720	1	475	720	1	475	720	1 1/2
NOTES: CHART NOTE: CIRCLING TO RWY 19 NA AT NIGHT. 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. CHART PLANVIEW NOTE: RADAR REQUIRED SEE 8260-10								
CITY AND STATE		ELEVATION: 245 TDZE: 242		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:
HOUSTON, TX		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 14, ORIG		AMDT: NONE
		LONE STAR EXECUTIVE				27 AUG 2009		DATED

QUALITY
2
CHECKED

**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 LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING AND INCREASE ALL DA 57 FEET, AND ALL MDA 60 FEET. INCREASE LNAV/VNAV VISIBILITY ALL CATS 1/4 MILE, INCREASE LNAV CAT C/D VISIBILITY 1/4 MILE.****CHART NOTE: VDP AND BARO-VNAV NA WHEN USING DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING.****CHART NOTE: FOR INOPERATIVE MALSR WHEN USING DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING; INCREASE LPV ALL CATS VISIBILITY TO 1 MILE.**

QUALITY
CHECKED

CITY AND STATE

HOUSTON, TX

ELEVATION: 245 TDZE: 242

AIRPORT NAME:

LONE STAR EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, 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	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCXO
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	302128.6600N
LTP/FTP LONGITUDE	0952500.0900W
LTP/FTP ELLIPSOIDAL HEIGHT	+00429
FPAP LATITUDE	302044.5500N
FPAP LONGITUDE	0952425.1100W
THRESHOLD CROSSING HEIGHT (TCH)	00047.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	92.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

FBED1AC2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00703
FPAP ORTHOMETRIC HEIGHT	+00703

QUALITY
2
CHECKED

CITY AND STATE

HOUSTON, TX

ELEVATION: 245

TDZE: 242

AIRPORT NAME:

LONE STAR EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, 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 PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	AXTEP K40	W	N30311314W095324460					E0035	NAR	AXTEP			
SUSAEENRT	CEKRU K40	W	N30282239W095373043					E0036	NAR	CEKRU			
SUSAEENRT	CLEEP K40	C	L N30173895W095101761					E0033	NAR	CLEEP			
SUSAEENRT	EFMEW K40	W	N30190004W095230215					E0034	NAR	EFMEW			
SUSAEENRT	FOBNA K40	W	N30260780W095284170					E0035	NAR	FOBNA			
SUSAEENRT	HEKRI K40	W	N30340372W095275850					E0035	NAR	HEKRI			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KCXOK4ACXO	0	060YHN30210851W095245234E005000245				1800018000C	MNAR	LONE STAR EXECUTIVE				

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KCXOK4FR14	ACEKRU	010CEKRU4EA0E	A	IF					18000		A JS	
SUSAP	KCXOK4FR14	ACEKRU	020AXTEPK4EA0EE		010TF		05040050		+ 02100			A JS	
SUSAP	KCXOK4FR14	AHEKRI	010HEKRI4EA0E	A	IF					18000		A JS	
SUSAP	KCXOK4FR14	AHEKRI	020AXTEPK4EA0EE		010TF		23050050		+ 02100			A JS	
SUSAP	KCXOK4FR14	R	010AXTEPK4EA0E	I	IF				+ 02100	18000		A JS	
SUSAP	KCXOK4FR14	R	020FOBN4K4EA1E	F	051TF		14040062		+ 02100		RW14	K4PGA JS	
SUSAP	KCXOK4FR14	R	020FOBN4K4EA2WALPV			ALNAV/VNAV	ALNAV					JS	
SUSAP	KCXOK4FR14	R	030RW14	K4PGOGY	M	031TF	14050056		00278		-300	A JS	
SUSAP	KCXOK4FR14	R	040EFMEWK4EA0E	M	010DF							A JS	
SUSAP	KCXOK4FR14	R	050CLEEPK4EA0EY		010TF		0919		+ 03000			A JS	
SUSAP	KCXOK4FR14	R	060CLEEPK4EA0EE		R020HM		19910040		+ 03000			A JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KCXOK4GRW14	0060001405	N30212866W095250009+0200				+0042900231059147150I						

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KCXOK4PR14	RW14	001	0000W14A0N3021286600W09525000900+004290300N3020445500W09524251100092750000000470F400350FBED1AC2									

QUALITY
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 245 TDZE: 242	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 27 AUG 2009	SUP:
	AIRPORT NAME: LONE STAR EXECUTIVE			AMDT: NONE
				DATED:

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[illegible]

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CEKRU	CEKRU	010	IAF	IF		FB				
	CEKRU	AXTEP	020		TF		FB	1.0	050.4 (055T)	005.0	02100
	HEKRI	HEKRI	010	IAF	IF		FB				
	HEKRI	AXTEP	020		TF		FB	1.0	230.5 (236T)	005.0	02100
		AXTEP	010	FACF	IF		FB				02100
		FOBNA	020	FAP	TF		FB	0.5	140.4 (145T)	006.2	02100
		RW14	030	MAP	TF		FO	0.3	140.5 (146T)	005.6	00278

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	PO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EFMEW	040		DF		FB	1.0			
	CLEEP	050		TF		FO	1.0	091.9 (097T)		03000
	CLEEP	060		HM	R	FO	2.0	199.1 (204T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AXTEP	N303113.14	W0953244.60	N3031.219	W09532.743
	CEKRU	N302822.39	W0953730.43	N3028.373	W09537.507
	CLEEP	N301738.95	W0951017.61	N3017.649	W09510.294
	EFMEW	N301900.04	W0952302.15	N3019.001	W09523.036
	FOBNA	N302607.80	W0952841.70	N3026.130	W09528.695
	HEKRI	N303403.72	W0952758.50	N3034.062	W09527.975
	RW14	N302128.66	W0952500.09	N3021.478	W09525.002

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00231	47

CITY AND STATE
HOUSTON, TX

ELEVATION: 245 TDZE: 242
 AIRPORT NAME:
 LONE STAR EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 14, ORIG
 27 AUG 2009

SUP:
 AMDT: NONE
 DATED:

QUALITY
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	
BASGE (IAF)	EBOKE (FB)	080.22 / 5.00	2000	LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 2000 DIRECT POPAM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 350.28 INBOUND. CHART FAS OBST: 378 TOWER 293920N/0954020W CHART FAS OBST: 378 TOWER 293922N/0954013W DISTANCE TO THLD FROM 316 HAT: 0.83 NM. WAAS CHANNEL # 82513 REFERENCE PATH ID: W17A
DIZGY (IAF)	EBOKE (FB)	260.32 / 5.00	2000	
EBOKE (IF)	CASOB (FB)	170.27 / 6.02	2000	

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT EBOKE
- FAC: 170.28 FAF: CASOB DIST FAF TO MAP: 5.77 THLD: 5.77
- MIN. ALT: EBOKE 2000, CASOB 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: CASOB OM: MM: IM:
- GS ANGLE: 3.00 TCH: 51.6 34:1 IS NOT CLEAR
- MSA FROM: RW17 3100

MAG VAR: 5E

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	398	1	316	398	1	316	398	1	316	398	1	316			
LNAV/VNAV DA	696	2	614	696	2	614	696	2	614	696	2	614			
LNAV MDA	640	1	558	640	1	558	640	1 1/2	558	640	1 3/4	558			
CIRCLING	720	1	638	720	1	638	720	1 3/4	638	720	2	638			

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING HOUSTON (WILLIAM P. HOBBY) ALTIMETER SETTING.
 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 NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE HOUSTON, TX	ELEVATION: 82 TDZE: 82 AIRPORT NAME: SUGAR LAND RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2 27 AUG 2009	SUP: AMDT: 1 DATED 08/04/2005
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**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: RADAR REQUIRED****CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOUSTON (WILLIAM P. HOBBY) ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CATS C/D AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.**

CITY AND STATE

HOUSTON, TX

ELEVATION: 82 TDZE: 82

AIRPORT NAME:

SUGAR LAND RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, AMDT 2

27 AUG 2009

SUP:

AMDT: 1

DATED: 08/04/2005

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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSGR
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	293755.8120N
LTP/FTP LONGITUDE	0953926.8960W
LTP/FTP ELLIPSOIDAL HEIGHT	-00024
FPAP LATITUDE	293626.7900N
FPAP LONGITUDE	0953918.4900W
THRESHOLD CROSSING HEIGHT (TCH)	00051.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0424
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	8B4D9A9D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00250
FPAP ORTHOMETRIC HEIGHT	+00250

CITY AND STATE HOUSTON, TX	ELEVATION: 82 TDZE: 82 AIRPORT NAME: SUGAR LAND RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2 27 AUG 2009	SUP:
				AMDT: 1
				DATED: 08/04/2005

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]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KSGRK4FR17	ABASGE	010BASGEK4EA0E	A	IF						18000		A JS	
SUSAP KSGRK4FR17	ABASGE	020EBOKEK4EA0EE		010TF		08020050		+ 02000				A JS	
SUSAP KSGRK4FR17	ADIZGY	010DIZGYK4EA0E	A	IF						18000		A JS	
SUSAP KSGRK4FR17	ADIZGY	020EBOKEK4EA0EE		010TF		26030050		+ 02000				A JS	
SUSAP KSGRK4FR17	R	010EBOKEK4EA0E	I	IF						18000		A JS	
SUSAP KSGRK4FR17	R	020CASOBK4EA1E	F	051TF		17030060		+ 02000			RW17	K4PGA	JS
SUSAP KSGRK4FR17	R	020CASOBK4EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KSGRK4FR17	R	030RW17 K4PGOGY	M	031TF		17030058			00134		-300		A JS
SUSAP KSGRK4FR17	R	040POPAMK4EA0EYM		010DF					+ 02000				A JS
SUSAP KSGRK4FR17	R	050POPAMK4EA0EE		L020HM		35030040		+ 02000					A JS

[illegible][illegible]

QUALITY
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 82 TDZE: 82	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2 27 AUG 2009	SUP:
	AIRPORT NAME:			AMDT: 1
	SUGAR LAND RGNL			DATED: 08/04/2005

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]

SUP:	
AMDT:	1
DATED:	08/04/2005

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BASGE	BASGE	010	IAF	IF		FB				
	BASGE	EBOKE	020		TF		FB	1.0	080.2 (085T)	005.0	02000
	DIZGY	DIZGY	010	IAF	IF		FB				
	DIZGY	EBOKE	020		TF		FB	1.0	260.3 (265T)	005.0	02000
		EBOKE	010	FACF	IF		FB				02000
		CASOB	020	FAF	TF		FB	0.5	170.3 (175T)	006.0	02000
		RW17	030	MAP	TF		FO	0.3	170.3 (175T)	005.8	00134

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	POPAM	040		DF		FO	1.0			02000
	POPAM	050		HM	L	FO	2.0	350.3 (355T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BASGE	N294917.62	W0954617.53	N2949.294	W09546.292
	CASOB	N294341.60	W0953959.61	N2943.693	W09539.994
	DIZGY	N295007.21	W0953450.06	N2950.120	W09534.834
	EBOKE	N294942.54	W0954033.82	N2949.709	W09540.564
	POPAM	N292800.71	W0953830.73	N2928.012	W09538.512
	RW17	N293755.81	W0953926.90	N2937.930	W09539.448

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW17	00082	52

CITY AND STATE HOUSTON, TX	ELEVATION: 82 TDZE: 82	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2 27 AUG 2009	SUP:
	AIRPORT NAME: SUGAR LAND RGNL			AMDT: 1
				DATED: 08/04/2005

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 16, 34 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 16, TREES BEGINNING 48' FROM DER, 479' LEFT OF CENTERLINE, UP TO 101' AGL/291' MSL. POLES BEGINNING 1,077' FROM DER, 36' LEFT OF CENTERLINE, UP TO 36' AGL/236' MSL. POLE 1,120' FROM DER 166' RIGHT OF CENTERLINE 30' AGL/230' MSL. TREES BEGINNING 1,307' FROM DER, 26' LEFT OF CENTERLINE, UP TO 108' AGL/ 298' MSL. TREES BEGINNING 1,431' FROM DER, 319' RIGHT OF CENTERLINE, UP TO 104' AGL/294' MSL.

NOTE: RWY 34, ROAD AND TREES BEGINNING 149' FROM DER, 345' RIGHT OF CENTERLINE, UP TO 47' AGL/247' MSL. ROAD AND TREES BEGINNING 410' FROM DER, 386' LEFT OF CENTERLINE, UP TO 103' AGL/293' MSL. (CONT.)

(4) CONTROLLING OBSTACLES:

(5) City, State

RICHMOND/ASHLAND, VA

(6) Airport

HANOVER COUNTY MUNI

(7) Effective Date

27 AUG 2009

(8) Amnt. No.

ORIG

QUALITY
2
CHECKED

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.):

POLES BEGINNING 660' FROM DER, ON CENTERLINE, UP TO 39' AGL/239' MSL. TREES BEGINNING 1,402' FROM DER, 445' RIGHT OF CENTERLINE, UP TO 100' AGL/290' MSL. TREES
BEGINNING 2,714' FROM DER, 487' RIGHT OF CENTERLINE, UP TO 104' AGL/304' MSL.

City, State RICHMOND/ASHLAND, VA		Airport HANOVER COUNTY MUNI		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
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 WINCHESTER, VA	ELEVATION: 727 TDZE: 727	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 14, ORIG, 07/15/1999	SUP
	AIRPORT NAME: WINCHESTER REGIONAL			AMDT NONE
	DATE			

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: 4.51 MILES AFTER COGAN INT/TZX 5.61 DME OR AT I-TZX 1.10 DME FIX	
LDN VORTAC	CLADD INT/I-TZX 12.63 DME	057.83 / 14.64	4400	CLIMB TO 1400 THEN CLIMBING RIGHT TURN TO 3700 VIA HEADING 160 AND I-TZX SE COURSE TO CLADD INT/I-TZX 12.63 DME AND HOLD.	
CSN VORTAC (IAF)	CLADD INT/I-TZX 12.63 DME (NOPT)	354.62 / 22.25	3700		
JASEN INT/LDN 20.06 DME (IAF)	CLADD INT/I-TZX 12.63 DME (NOPT)	237.83 / 5.42 (LDN R-058)	3700		
CLADD INT/I-TZX 12.63 DME (IF/IAF)	CEDER INT/I-TZX 9.61 DME	323.77 / 3.02 (I-TZX)	3100		
CEDER INT/I-TZX 9.61 DME	COGAN INT/I-TZX 5.61 DME	323.77 / 4.00 (I-TZX)	2200	ADDITIONAL FLIGHT DATA: CHART FAS OBST: 842 TWR 390647N/0780654W CHART VDP AT 2.03 DME; DISTANCE VDP TO THLD 0.93 MILES. CHART APT ELEV 726.	

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. HOLD SE CLADD, RT, 323.77 INBOUND, 3700 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>323.77</u> FAF: <u>COGAN INT/I-TZX 5.61 DME</u> DIST FAF TO MAP: <u>4.51</u> THLD: <u>4.51</u>	
4. MIN. ALT: <u>CLADD 3700, CEDER 3100, COGAN 2200</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>858</u>	
6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>COGAN INT/I-TZX 5.61 DME 2200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>44.4</u>	
8. MSA FROM: <u>MRB VORTAC 240-330 4000, 330-240 3500</u>	

MAG VAR: 10W 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
S-ILS 32	915	1/2	200	915	1/2	200	915	1/2	200	915	1/2	200			
S-LOC 32	1040	1/2	325	1040	1/2	325	1040	1/2	325	1040	3/4	325			
CIRCLING	1120	1	394	1260	1	534	1260	1 1/2	534	1280	2	554			

NOTES:
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARTINSBURG ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET AND CIRCLING CAT C VISIBILITY 1/4 MILE.

SEE 8260-10	CITY AND STATE	ELEVATION: 726 TDZE: 715	FACILITY IDENTIFIER: I-TZX	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: ILS RWY 32
	WINCHESTER, VA	AIRPORT NAME: WINCHESTER RGNL		ILS OR LOC RWY 32, AMDT 2 27 AUG 2009	AMDT: 1
					DATED 7/15/99

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 32 CAT C VISIBILITY TO 1.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING MARTINSBURG ALTIMETER SETTING, INCREASE S-ILS 32 ALL CATS VISIBILITY 1/2 MILE.

CHART NOTE: VDP NA WHEN USING MARTINSBURG ALTIMETER SETTING.

CITY AND STATE
WINCHESTER, VAELEVATION: 726 TDZE: 715
AIRPORT NAME:
WINCHESTER RGNLFACILITY
IDENTIFIER:
I-TZXPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 32, AMDT 2
27 AUG 2009

QUALITY
1
CHECKED

SUP: ILS RWY 32
AMDT: 1
DATED: 7/15/99

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: RW14 CLIMB TO 3700 DIRECT CLADD AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 323.88 INBOUND. CHART FAS OBST: 894 TOWER 390958N/0781022W CHART FAS OBST: 803 BLDG 390918N/0780937W CHART 997 TOWER 391140N/0781136W DISTANCE TO THLD FROM 323 HAT: 0.87 NM. CHART VDP AT 1.35 MILES TO RW14* *LNAV ONLY. WAAS CHANNEL # 70712 REFERENCE PATH ID: W14A											
SOGBE (IAF)	ELPOY (FB)	046.63 / 4.72	4200												
ELPOY	BONCI (FB)	046.66 / 4.50	3700												
CAPON (IAF)	BONCI (FB)	106.99 / 3.63	3700												
MUMSY (IAF)	BONCI (FB)	244.20 / 11.78	3700												
BONCI (IF)	EMNAR (FB)	143.63 / 4.30	3500												
EMNAR	IMHEM (FB)	143.67 / 2.70	2700												
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 BONCI 3. FAC: <u>143.70</u> FAF: <u>IMHEM</u> DIST FAF TO MAP: <u>5.96</u> THLD: <u>5.96</u> 4. MIN. ALT: <u>BONCI 3700, EMNAR 3500, IMHEM 2700, WOGDI/3.40 NM TO RW14 1860*</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>2700</u> GS ALT AT: <u>IMHEM</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>44.5</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW14 4700</u>				MAG VAR: 10W 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	1049	1 1/4	323	1049	1 1/4	323	1049	1 1/4	323	1049	1 1/4	323			
LNAV/VNAV DA	1073	1 1/4	347	1073	1 1/4	347	1073	1 1/4	347	1073	1 1/4	347			
LNAV MDA	1200	1	474	1200	1	474	1200	1 1/4	474	1200	1 1/2	474			
CIRCLING	1200	1	474	1260	1	534	1260	1 1/2	534	1280	2	554			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING MARTINSBURG 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 WINCHESTER, VA				ELEVATION: 726 TDZE: 726 AIRPORT NAME: WINCHESTER RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, 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 MARTINSBURG ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET AND INCREASE LNAV/VNAV ALL CATS, LNAV CATS C AND D, AND CIRCLING CAT C VISIBILITIES 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CAPON VIA V166 WESTBOUND AND V92 NORTHWEST BOUND, AND ARRIVALS AT MUMSY VIA V44 EASTBOUND, AND ARRIVALS AT SOGBE VIA V4 WESTBOUND.

CHART NOTE: VDP NA WHEN USING MARTINSBURG ALTIMETER SETTING.

CITY AND STATE

WINCHESTER, VA

ELEVATION: 726 TDZE: 726

AIRPORT NAME:

WINCHESTER RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, 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	KOKV
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	390855.4870N
LTP/FTP LONGITUDE	0780905.1980W
LTP/FTP ELLIPSOIDAL HEIGHT	+01876
FPAP LATITUDE	390753.8000N
FPAP LONGITUDE	0780742.5000W
THRESHOLD CROSSING HEIGHT (TCH)	00044.5
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 E1468C78

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02213
FPAP ORTHOMETRIC HEIGHT	+02213

CITY AND STATE
WINCHESTER, VA

ELEVATION: 726 TDZE: 726
AIRPORT NAME:
WINCHESTER RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, 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 KOKVK6FR14	ACAPON	010CAPONK6EA0E	A	IF						18000		A JS	
SUSAP KOKVK6FR14	ACAPON	020BONCIK6EA0EE		010TF		10700036		+ 03700				A JS	
SUSAP KOKVK6FR14	AMUMSY	010MUMSYK6EA0E	A	IF						18000		A JS	
SUSAP KOKVK6FR14	AMUMSY	020BONCIK6EA0EE		010TF		24420118		+ 03700				A JS	
SUSAP KOKVK6FR14	ASOGBE	010SOGBEK6EA0E	A	IF						18000		A JS	
SUSAP KOKVK6FR14	ASOGBE	020ELPOYK6EA0E		010TF		04660047		+ 04200				A JS	
SUSAP KOKVK6FR14	ASOGBE	030BONCIK6EA0EE		010TF		04670045		+ 03700				A JS	
SUSAP KOKVK6FR14	R	010BONCIK6EA0E	I	IF				+ 03700		18000		A JS	
SUSAP KOKVK6FR14	R	011EMNARK6EA0E	S	051TF		14360043		+ 03500				A JS	
SUSAP KOKVK6FR14	R	020IMHEMK6EA1E	F	051TF		14370027		+ 02700			RW14	K6PGA	JS
SUSAP KOKVK6FR14	R	020IMHEMK6EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KOKVK6FR14	R	021WOGDIK6EA0E	S	031TF		14370026		V 0186001865		-300		A JS	
SUSAP KOKVK6FR14	R	030RW14 K6PGOGY	M	031TF		14370034		00771		-300		A JS	
SUSAP KOKVK6FR14	R	040CLADDK6EA0EYM		010DF				+ 03700				A JS	
SUSAP KOKVK6FR14	R	050CLADDK6EA0EE		HR020HM		32390040		+ 03700				A JS	

[illegible]

CITY AND STATE WINCHESTER, VA	ELEVATION: 726 TDZE: 726	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 27 AUG 2009	SUP:
	AIRPORT NAME: WINCHESTER RGNL			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]

CITY AND STATE WINCHESTER, VA	ELEVATION: 726 TDZE: 726 AIRPORT NAME: WINCHESTER RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, 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
	CAPON	CAPON	010	IAF	IF		FB				
	CAPON	BONCI	020		TF		FB	1.0	107.0 (097T)	003.6	03700
	MUMSY	MUMSY	010	IAF	IF		FB				
	MUMSY	BONCI	020		TF		FB	1.0	244.2 (234T)	011.8	03700
	SOGBE	SOGBE	010	IAF	IF		FB				
	SOGBE	ELPOY	020		TF		FB	1.0	046.6 (037T)	004.7	04200
	SOGBE	BONCI	030		TF		FB	1.0	046.7 (037T)	004.5	03700
		BONCI	010	FACF	IF		FB				03700
		EMNAR	011	SDF	TF		FB	0.5	143.6 (134T)	004.3	03500
		IMHEM	020	FAF	TF		FB	0.5	143.7 (134T)	002.7	02700
		WOGDI	021	SDF	TF		FB	0.3	143.7 (134T)	002.6	0186001865
		RW14	030	MAP	TF		FO	0.3	143.7 (134T)	003.4	00771

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CLADD	040		DF		FO	1.0			03700
	CLADD	050		HM	R	FO	2.0	323.9 (314T)	004.0	03700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BONCI	N391753.17	W0782108.66	N3917.886	W07821.144
	CAPON	N391819.79	W0782547.19	N3918.330	W07825.787
	CLADD	N390018.40	W0775733.94	N3900.307	W07757.566
	ELPOY	N391416.45	W0782436.34	N3914.274	W07824.606
	EMNAR	N391454.91	W0781708.28	N3914.915	W07817.138
	IMHEM	N391302.90	W0781437.50	N3913.048	W07814.625
	MUMSY	N392447.70	W0780850.07	N3924.795	W07808.835
	SOGBE	N391029.04	W0782813.77	N3910.484	W07828.230
	WOGDI	N391116.67	W0781214.70	N3911.278	W07812.245
	RW14	N390855.49	W0780905.20	N3908.925	W07809.087

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW14	00726	45

CITY AND STATE
WINCHESTER, VA

ELEVATION: 726 TDZE: 726
 AIRPORT NAME:
WINCHESTER RGNL

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, 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	
HOAGE	CLADD (FO)	151.16 / 9.50	3700	LPV: DA LNAV/VNAV: DA LNAV: RW32
LDN VORTAC	DORGY (FB)	065.98 / 9.72	4700	
DORGY (IAF)	CLADD (NOPT) (FB)	053.83 / 5.00	3700	CLIMB TO 5000 DIRECT IMHEM AND VIA TRACK 017.59 TO MEPEW AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.
JASEN (IAF)	CLADD (NOPT) (FB)	242.06 / 5.42	3700	
CLADD (IF/IAF)	CEDER (FB)	323.88 / 3.02	3200	ADDITIONAL FLIGHT DATA: HOLD W, RT, 090.13 INBOUND. CHART FAS OBST: 842 TWR 390647N/0780654W CHART FAS OBST: 786 TREE 390800N/0780735W DISTANCE TO THLD FROM 200 HAT: 0.53 NM. CHART VDP AT 1.11 MILES TO RW32* *LNAV ONLY. WAAS CHANNEL # 97512 REFERENCE PATH ID: W32A
CEDER	COGAN (FB)	323.85 / 4.00	2200	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE CLADD, RT, 323.88 INBOUND, 3700 FT. IN LIEU OF PT (IAF)
- FAC: 323.81 FAF: COGAN DIST FAF TO MAP: 4.51 THLD: 4.51
- MIN. ALT: CLADD 3700, CEDER 3200, COGAN 2200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2200 GS ALT AT: COGAN OM: MM: IM:
- GS ANGLE: 3.00 TCH: 44.4 34:1 IS NOT CLEAR
- MSA FROM: RW32 4700

MAG VAR: 10W

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	915	3/4	200	915	3/4	200	915	3/4	200	915	3/4	200				
LNAV/VNAV DA	1056	3/4	341	1056	3/4	341	1056	3/4	341	1056	3/4	341				
LNAV MDA	1100	3/4	385	1100	3/4	385	1100	3/4	385	1100	1	385				
CIRCLING	1120	1	394	1260	1	534	1260	1 1/2	534	1280	2	554				

NOTES:

CHART NOTE: BARO-VNAV NA WHEN USING MARTINSBURG ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	ELEVATION: 726 TDZE: 715	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 27 AUG 2009	SUP: <i>02/11/12</i>
WINCHESTER, VA	AIRPORT NAME: WINCHESTER RGNL			AMDT: <i>NONE</i>
				DATED: <i>CHECKED</i>

**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 MARTINSBURG ALTIMETER SETTING AND INCREASE ALL DA 63 FEET AND ALL MDA 80 FEET, AND LNAV/VNAV ALL CATS AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CATS A, B, AND C VISIBILITY TO 1 MILE AND LNAV CAT D VISIBILITY TO 1 1/4 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING MARTINSBURG ALTIMETER SETTING, INCREASE LPV ALL CATS AND LNAV CATS A AND B VISIBILITY TO 1 MILE.

CHART NOTE: VDP NA WHEN USING MARTINSBURG ALTIMETER SETTING.

CITY AND STATE

WINCHESTER, VA

ELEVATION: 726 TDZE: 715

AIRPORT NAME:

WINCHESTER RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, 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	KOKV
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	390817.8950N
LTP/FTP LONGITUDE	0780814.8020W
LTP/FTP ELLIPSOIDAL HEIGHT	+01799
FPAP LATITUDE	390857.8100N
FPAP LONGITUDE	0780908.3100W
THRESHOLD CROSSING HEIGHT (TCH)	00044.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0104
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

9DBEA573

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+02136
FPAP ORTHOMETRIC HEIGHT	+02136

CITY AND STATE
WINCHESTER, VA

ELEVATION: 726 TDZE: 715
AIRPORT NAME:
WINCHESTER RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32, 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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ARINC PACKET - 424-18 - RNAV (GPS)

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

CITY AND STATE WINCHESTER, VA	ELEVATION: 726 TDZE: 715 AIRPORT NAME: WINCHESTER RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, 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.

SUSAP KOKVK6FR32 R 050MEPEWK6EA0EY 010TF
SUSAP KOKVK6FR32 R 060MEPEWK6EA0EE HR020HM

[illegible][illegible][illegible]

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
	HOAGE	HOAGE	010		IF		FB				
	HOAGE	CLADD	020		TF		FO	2.0	151.2(141T)	009.5	03700
	HOAGE	CLADD	030		HF	R	FO		323.9(314T)	004.0	03700
	JASEN	JASEN	010	IAF	IF		FB				
	JASEN	CLADD	020		TF		FB	1.0	242.1(232T)	005.4	03700
	LDN	LDN	010		IF		FB				
	LDN	DORGY	020		TF		FB	2.0	066.0(056T)	009.7	04700
	LDN	CLADD	030		TF		FB	1.0	053.8(044T)	005.0	03700
		CLADD	010	FACF	IF		FB				03700
		CEDER	011	SDF	TF		FB	0.5	323.9(314T)	003.0	03200
		COGAN	020	FAF	TF		FB	0.5	323.9(314T)	004.0	02200
		RW32	030	MAP	TF		FO	0.3	313.8(304T)	004.5	00745

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	IMHEM	040		DF		FB	1.0			
	MEPEW	050		TF		FO	1.0	017.6(008T)		05000
	MEPEW	060		HM	R	FO	2.0	090.1(080T)	004.0	05000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	LDN	N385115.81	W0781220.00	N3851.264	W07812.333
	CEDER	N390224.09	W0780021.56	N3902.402	W07800.359
	CLADD	N390018.40	W0775733.94	N3900.307	W07757.566
	COGAN	N390510.39	W0780403.74	N3905.173	W07804.062
	DORGY	N385641.87	W0780200.48	N3856.698	W07802.008
	HOAGE	N390742.96	W0780512.41	N3907.716	W07805.207
	IMHEM	N391302.90	W0781437.50	N3913.048	W07814.625
	JASEN	N390338.50	W0775205.19	N3903.642	W07752.087
	MEPEW	N392003.24	W0781325.35	N3920.054	W07813.423
	RW32	N390817.90	W0780814.80	N3908.298	W07808.247

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW32	00701		44

CITY AND STATE
WINCHESTER, VA

ELEVATION: 726 TDZE: 715
 AIRPORT NAME:
 WINCHESTER RGNL

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 32, 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: MADCS/MRB 20.02 DME
LDN VORTAC	CWINE/MRB 15.00 DME	022.73 / 21.91	4100	CLIMBING LEFT TURN TO 3000 VIA MRB R-231 TO CWINE/MRB 15.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.
MRB VORTAC (IF/IAF)	CWINE/MRB 15.00 DME (NOPT)	230.65 / 15.00	3000	
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 912 TOWER 390928N/0780626W FAC CROSSES MID POINT OF RWY 14-32. CHART APT ELEV 727.

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. HOLD NE CWINE, LT, 230.65 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
 3. FAC 230.65 FAF CWINE/MRB 15.00 DME DIST FAF TO MAP THLD
 4. MIN. ALT CWINE 3000
 8. MSA FROM: MRB VORTAC 240-330 4000, 330-240 3500

MAG VAR: 7W

EPOCH YEAR: 1965

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
CIRCLING	1180	1	454	1260	1 1/4	534	1260	1 1/2	534	1280	2	554			

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MRB VORTAC AIRWAY RADIALS 223 CW 284.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MARTINSBURG ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND CAT C VISIBILITY 1/4 MILE.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
4
CHECKED

CITY AND STATE WINCHESTER, VA	ELEVATION: 726	TDZE:	FACILITY IDENTIFIER: MRB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME-A, AMDT 5 27 AUG 2009	SUP VOR/DME OR GPS-
	AIRPORT NAME:				A
	WINCHESTER RGNL				AMDT 4A
					DATE 04/12/2007

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
MGW VORTAC	JITUK (FO)	227.06 / 35.06	4000	CLIMB TO 3800 DIRECT FONTZ AND HOLD.
EKN VORTAC (IAF)	JITUK (NOPT) (FB)	323.76 / 15.68	3900	
BENZO (IAF)	JITUK (NOPT) (FB)	096.99 / 9.65	3900	
JITUK (IF/IAF)	OPEXE (FB)	030.75 / 3.21	3400	
OPEXE	NULNE (FB)	030.78 / 2.83	3200	
				ADDITIONAL FLIGHT DATA: HOLD NE, RT, 210.91 INBOUND. CHART FAS OBST: 1536 TREE 391520N/0801516W CHART 1751 TOWER 391205N/0801813W NULNE TO RW03: 3.05/50.

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD SW JITUK, RT, 030.75 INBOUND, 3900 FT. IN LIEU OF PT (IAF)					
3. FAC:	030.80	FAF:	NULNE	DIST FAF TO MAP:	6.07 THLD: 6.07
4. MIN. ALT: JITUK 3900, OPEXE 3400, NULNE 3200					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	100 HAT:	GS ANT:
6. MIN GS INCPT:	GS ALT AT:	OM:	MM:	IM:	
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR					
8. MSA FROM: RW03 4700					

MAG VAR: 8W

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	1800	5000	617	1800	5000	617	1800	1 3/4	617	1800	2	617			
CIRCLING	1920	1	703	1920	1	703	1920	2	703	2060	2 3/4	843			

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 NOT RECEIVED, USE MORGANTOWN ALTIMETER SETTING AND INCREASE ALL SEE 8260-10

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

CITY AND STATE CLARKSBURG, WV	ELEVATION: 1217 TDZE: 1183	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, ORIG 27 AUG 2009	SUP:
	AIRPORT NAME: NORTH CENTRAL WEST VIRGINIA			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.

MDA 80 FEET, AND INCREASE LNAV CATS C AND D VISIBILITY 1/4 MILE, AND CIRCLING CATS B, C AND D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MGW VORTAC AIRWAY RADIALS 231 CW 279 AND ON EKN VORTAC AIRWAY RADIALS 272 CW 346.

CITY AND STATE

CLARKSBURG, WV

ELEVATION: 1217 TDZE: 1183

AIRPORT NAME:

NORTH CENTRAL WEST VIRGINIA

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	KCKBK6FR03	ABENZO	010BENZOK6EA0E	A	IF					18000		B JS	
SUSAP	KCKBK6FR03	ABENZO	020JITUKK6EA0EE		010TF		09700097	+	03900			B JS	
SUSAP	KCKBK6FR03	AEKN	010EKN	K6D	0V	A	IF			18000		B JS	
SUSAP	KCKBK6FR03	AEKN	020JITUKK6EA0EE		010TF		32380157	+	03900			B JS	
SUSAP	KCKBK6FR03	AMGW	010MGW	K6D	0V		IF			18000		B JS	
SUSAP	KCKBK6FR03	AMGW	020JITUKK6EA0EY		020TF		22710351	+	04000			B JS	
SUSAP	KCKBK6FR03	AMGW	030JITUKK6EA0EE	AR	HF		03080040	+	03900			B JS	
SUSAP	KCKBK6FR03	R	010JITUKK6EA0E	I	IF			+	03900	18000		B JS	
SUSAP	KCKBK6FR03	R	011OPEXEK6EA0E	S	051TF		03080032	+	03400			B JS	
SUSAP	KCKBK6FR03	R	020NULNEK6EA1E	F	051TF		03080028	+	03200		RW03	K6PGB	JS
SUSAP	KCKBK6FR03	R	020NULNEK6EA2WN			N	ALNAV						JS
SUSAP	KCKBK6FR03	R	030RW03	K6PG0GY	M	031TF		03080061		01233	-305		B JS
SUSAP	KCKBK6FR03	R	040FONTZK6EA0EYM		010DF			+	03800				B JS
SUSAP	KCKBK6FR03	R	050FONTZK6EA0EE		R020HM		21090040	+	03800				B JS

QUALITY
CHECKED

CITY AND STATE CLARKSBURG, WV	ELEVATION: 1217 TDZE: 1183 AIRPORT NAME: NORTH CENTRAL WEST VIRGINIA	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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RUNWAY 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KCKBK6GRW03 0070000308 N39171603W080135836+0500 +0328301183000050150R

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

SUSAP KCKBK6SRW03 K6PG 0 18018004725 M

QUALITY
CHECKED

CITY AND STATE
CLARKSBURG, WV

ELEVATION: 1217 TDZE: 1183
AIRPORT NAME:
NORTH CENTRAL WEST VIRGINIA

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
	BENZO	BENZO	010	IAF	IF		FB				
	BENZO	JITUK	020		TF		FB	1.0	097.0 (089T)	009.7	03900
	EKN	EKN	010	IAF	IF		FB				
	EKN	JITUK	020		TF		FB	1.0	323.8 (316T)	015.7	03900
	MGW	MGW	010		IF		FB				
	MGW	JITUK	020		TF		FO	2.0	227.1 (219T)	035.1	04000
	MGW	JITUK	030		HF	R	FO		030.8 (023T)	004.0	03900
		JITUK	010	FACF	IF		FB				03900
		OPEXE	011	SDF	TF		FB	0.5	030.8 (023T)	003.2	03400
		NULNE	020	FAF	TF		FB	0.5	030.8 (023T)	002.8	03200
		RW03	030	MAP	TF		FO	0.3	030.8 (023T)	006.1	01233

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FONTZ	040		DF		FO	1.0			03800
	FONTZ	050		HM	R	FO	2.0	210.9 (203T)	004.0	03800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EKN	N385451.97	W0800557.38	N3854.866	W08005.956
	MGW	N393324.10	W0795137.42	N3933.402	W07951.624
	BENZO	N390556.03	W0803223.74	N3905.934	W08032.396
	FONTZ	N392937.59	W0800715.27	N3929.627	W08007.255
	JITUK	N390605.61	W0802000.43	N3906.094	W08020.007
	NULNE	N391139.79	W0801700.25	N3911.663	W08017.004
	OPEXE	N390903.33	W0801824.70	N3909.056	W08018.412
	RW03	N391716.03	W0801358.36	N3917.267	W08013.973

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW03	01183	50

QUALITY
CHECKED

CITY AND STATE CLARKSBURG, WV	ELEVATION: 1217 TDZE: 1183	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, ORIG 27 AUG 2009	SUP:
	AIRPORT NAME: NORTH CENTRAL WEST VIRGINIA			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												
EKN VORTAC	FONTZ (FO)	006.34 / 34.74	4400	LPV: DA LNAV/VNAV: DA LNAV: RW21											
MGW VORTAC (IAF)	FONTZ (NOPT) (FB)	260.76 / 12.67	3800	CLIMB TO 3900 DIRECT JITUK AND HOLD.											
TEDDS (IAF)	FONTZ (NOPT) (FB)	148.20 / 11.30	3800												
FONTZ (IF/IAF)	JIREV (FB)	210.91 / 7.19	2900												
				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 030.75 INBOUND. CHART FAS OBST: 1522 TREE 391856N/0801233W CHART FAS OBST: 1619 TREE 392151N/0801045W CHART: 1717 TOWER 392247N/0801119W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.92 MILES TO RW21* *LNAV ONLY. WAAS CHANNEL # 82504 REFERENCE PATH ID: W21A											
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)															
2. HOLD NE FONTZ, RT, 210.91 INBOUND, 3800 FT. IN LIEU OF PT (IAF)															
3. FAC: 210.87 FAF: JIREV DIST FAF TO MAP: 5.06 THLD: 5.06															
4. MIN. ALT: FONTZ 3800, JIREV 2900															
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 2900 GS ALT AT: JIREV OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 49.8 34:1 IS CLEAR															
8. MSA FROM: RW21 4700				MAG VAR: 8W 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	1417	2400	200	1417	2400	200	1417	2400	200	1417	2400	200			
LNAV/VNAV DA	2074	2 1/2	857	2074	2 1/2	857	2074	2 1/2	857	2074	2 1/2	857			
LNAV MDA	1880	2400	663	1880	2400	663	1880	6000	663	1880	1 1/2	663			
CIRCLING	1920	1	703	1920	1	703	1920	2	703	2060	2 3/4	843			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP NA WHEN USING MORGANTOWN ALTIMETER SETTING. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MGW VORTAC AIRWAY RADIALS 231 CW 307 AND SEE 8260-10															
CITY AND STATE		ELEVATION: 1217 TDZE: 1217		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:							
CLARKSBURG, WV		AIRPORT NAME:				RNAV (GPS) RWY 21, ORIG		AMDT: NONE							
		NORTH CENTRAL WEST VIRGINIA				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.

ARRIVALS AT TEDDS VIA V37 NORTHBOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MORGANTOWN ALTIMETER SETTING AND INCREASE ALL DA 63 FT AND ALL MDA 80 FEET, INCREASE LNAV CAT B, C AND D VISIBILITY 1/2 MILE, AND CIRCLING CATS B, C AND D VISIBILITY 1/4 MILE.

CHART NOTE: WHEN USING MORGANTOWN ALTIMETER SETTING FOR INOPERATIVE MALSR, INCREASE LPV VISIBILITY ALL CATS TO RVR 5000.

CHART NOTE: LNAV-VNAV NA WHEN USING MORGANTOWN ALTIMETER SETTING.

CITY AND STATE

CLARKSBURG, WV

ELEVATION: 1217 TDZE: 1217

AIRPORT NAME:

NORTH CENTRAL WEST VIRGINIA

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
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 KCKB
RUNWAY RW21
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W21A
LTP/FTP LATITUDE 391819.7900N
LTP/FTP LONGITUDE 0801323.8100W
LTP/FTP ELLIPSOIDAL HEIGHT +03386
FPAP LATITUDE 391657.6000N
FPAP LONGITUDE 0801408.3500W
THRESHOLD CROSSING HEIGHT (TCH) 00049.8
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) 35.0

CRC REMAINDER

F5840B20

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +03710
FPAP ORTHOMETRIC HEIGHT +03710

CITY AND STATE

CLARKSBURG, WV

ELEVATION: 1217 TDZE: 1217

AIRPORT NAME:

NORTH CENTRAL WEST VIRGINIA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, ORIG

27 AUG 2009

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

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SUSAP KCKBK6GRW21 0070002108 N39181979W080132381-0500 +0338601217000050150I

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

SUSAP KCKBK6PR21 RW21 001 0000W21A0N3918197900W08013238100+033860300N3916576000W08014083500106750616000498F400350F5840B20
SUSAP KCKBK6PR21 RW21 002E +03710+C3710LPV 82504

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

SUSAP KCKBK6SRW21 K6PG 0 18018004725 M

CITY AND STATE
CLARKSBURG, WV

ELEVATION: 1217 TDZE: 1217
AIRPORT NAME:
NORTH CENTRAL WEST VIRGINIA

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
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
	EKN	EKN	010		IF		FB				
	EKN	FONTZ	020		TF		FO	2.0	006.3 (358T)	034.7	04400
	EKN	FONTZ	030		HF	R	FO		210.9 (203T)	004.0	03800
	MGW	MGW	010	IAF	IF		FB				
	MGW	FONTZ	020		TF		FB	1.0	260.8 (253T)	012.7	03800
	TEDDS	TEDDS	010	IAF	IF		FB				
	TEDDS	FONTZ	020		TF		FB	1.0	148.2 (140T)	011.3	03800
		FONTZ	010	FACF	IF		FB				03800
	JIREV		020	FAF	TF		FB	0.5	210.9 (203T)	007.2	02900
	RW21		030	MAP	TF		FO	0.3	210.9 (203T)	005.1	01267

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JITUK	040		DF		FO	1.0			03900
	JITUK	050		HM	R	FO	2.0	030.8 (023T)	004.0	03900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EKN	N385451.97	W0800557.38	N3854.866	W08005.956
	MGW	N393324.10	W0795137.42	N3933.402	W07951.624
	FONTZ	N392937.59	W0800715.27	N3929.627	W08007.255
	JIREV	N392259.65	W0801051.91	N3922.994	W08010.865
	JITUK	N390605.61	W0802000.43	N3906.094	W08020.007
	TEDDS	N393819.09	W0801635.68	N3938.318	W08016.595
	RW21	N391819.79	W0801323.81	N3918.330	W08013.397

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	01217	50

CITY AND STATE
CLARKSBURG, WV

ELEVATION: 1217 TDZE: 1217
 AIRPORT NAME:
 NORTH CENTRAL WEST VIRGINIA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 21, ORIG
 27 AUG 2009

SUP:
 AMDT: NONE
 DATED:

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30673 ; Amdt. No. 3327]

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 12, 2009

A handwritten signature in cursive script that reads "John M. Allen".

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
06/02/09	MI	FREMONT	FREMONT MUNI	9/1459	RNAV (GPS) RWY 36, AMDT 1A
06/02/09	MI	FREMONT	FREMONT MUNI	9/1460	RNAV (GPS) RWY 18, AMDT 1A
06/02/09	MI	MENOMINEE	MENOMINEE- MARINETTE TWIN COUNTY	9/1466	ILS RWY 3, AMDT 2A
06/02/09	MI	MENOMINEE	MENOMINEE- MARINETTE TWIN COUNTY	9/1467	RNAV (GPS) RWY 32, ORIG-A
06/10/09	CA	MERCED	MERCED RGNL/MACREADY FIELD	9/2794	ILS OR LOC RWY 30, AMDT 14C
06/10/09	CA	MERCED	MERCED RGNL/MACREADY FIELD	9/2795	LOC BC RWY 12, AMDT 10D
06/10/09	CA	MERCED	MERCED RGNL/MACREADY FIELD	9/2796	GPS RWY 12, ORIG-C

FDC 9/1459 FFX FI/P FREMONT MUNI, FREMONT, MI. RNAV (GPS) RWY 36, AMDT 1A...DELETE TAKEOFF MINIMUMS SYMBOL. THIS IS RNAV (GPS) RWY 36, AMDT 1B.

FDC 9/1460 FFX FI/P FREMONT MUNI, FREMONT, MI. RNAV (GPS) RWY 18, AMDT 1A...DELETE TAKEOFF MINIMUMS SYMBOL. THIS IS RNAV (GPS) RWY 18, AMDT 1B.

FDC 9/1466 MNM FI/P MENOMINEE-MARINETTE TWIN COUNTY, MENOMINEE, MI. ILS RWY 3, AMDT 2A...DELETE PROFILE NOTE: ASTERISK LOC ONLY. UPDATE MINIMUM ALTITUDE AT TRIBE LOM FROM ASTERISK 2200 TO 2200. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STURGEON BAY ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE S-LOC 3 CAT C/D AND CIRCLING CAT C VISIBILITY 1/4 MILE. CHART NOTE: FOR INOPERATIVE MALSR WHEN USING STURGEON BAY ALTIMETER SETTING, INCREASE S-ILS 3 ALL CATS VISIBILITY TO 1 MILE. THIS IS ILS OR LOC RWY 3, AMDT 2B.

FDC 9/1467 MNM FI/P MENOMINEE-MARINETTE TWIN COUNTY, MENOMINEE, MI. RNAV (GPS) RWY 32, ORIG-A...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. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. ALTERNATE MINIMUMS: STANDARD, EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS RNAV (GPS) RWY 32, ORIG-B.

FDC 9/2794 MCE FI/P MERCED RGNL/MACREADY FIELD, MERCED, CA. ILS OR LOC RWY 30, AMDT 14C...S-ILS 30 DA 355/HAT 200 ALL CATS S-LOC 30 HAT 325 ALL CATS. CIRCLING CAT A MDA 560/HAA 405, CATS B/C HAA 465, CAT D HAA 565 CHART MSA FROM HYP VOR/DME: 350-080 5600, 080-170 3300, 170-260 2200, 260-350: 3000 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CASTLE ALTIMETER SETTING AND INCREASE ALL DA/MDA 20 FEET. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 585. CHART TDZ ELEV: 155 CHART APT ELEV: 155 THIS IS ILS OR LOC RWY 30, AMDT 14D.

FDC 9/2795 MCE FI/P MERCED RGNL/MACREADY FIELD, MERCED, CA. LOC BC RWY 12, AMDT 10D...CIRCLING CAT A MDA 560/HAA 405, CATS B/C HAA 465, CAT D HAA 565 CHART MSA FROM HYP VOR/DME 350-080 5600, 080-170 3300, 170-260 2200, 260-350 3000. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CASTLE ALTIMETER SETTING AND INCREASE ALL MDAS 20 FEET. CHART APT ELEV: 155. THIS IS LOC BC RWY 12, AMDT 10E.

FDC 9/2796 MCE FI/P MERCED RGNL/MACREADY FIELD, MERCED, CA. GPS
RWY 12, ORIG-C...CIRCLING CAT A MDA 560/HAA 405, CATS B/C HAA 465,
CAT D HAA 565 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT
RECEIVED, USE CASTLE ALTIMETER SETTING AND INCREASE ALL MDAS 20
FEET. CHART APT ELEV: 155 THIS IS GPS RWY 12, ORIG-D.