

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 10-01

November 27, 2009

**PREPARED BY THE NATIONAL FLIGHT DATA CENTER, AJR-321
(AVAILABLE ON THE WEB AT [HTTP://NFDC.FAA.GOV](http://NFDC.FAA.GOV))**

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

The following procedure is a corrected copy of a previously published in TL 09-25:

Lancaster, SC, Lancaster County-Mc Whirter Field, RNAV (GPS) RWY 24, Amdt 1

**The following procedure was listed incorrectly in TL 09-26 and should have been listed
as follows:**

Dallas, TX, Collins County Rgnl at McKinney, Takeoff Minimums and Obstacle DP, Amdt 1

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW24						
CTF VOR/DME		LIGLE (FB)			297.49 / 17.36			2500		CLIMB TO 2200 DIRECT CORON AND HOLD.						
HUSTN (IAF)		SAPSE (NOPT) (FB)			233.54 / 5.76			2500								
LIGLE (IAF)		SAPSE (NOPT) (FB)			335.55 / 5.00			2500								
SAPSE (IF/IAF)		WITUR (FB)			245.63 / 6.10			2100								
THIS IS A CORRECTED COPY OF A PROC PUBLISHED IN TL 09-25. MISSING PAGES.										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 065.40 INBOUND. CHART FAS OBST: 719 TREE 344452N/0804559W CHART FAS OBST: 630 TREE 344414N/0805007W CHART GAMECOCK 1 MOA. DISTANCE TO THLD FROM 250 HAT: 0.65 NM. WAAS CHANNEL # 70416 REFERENCE PATH ID: W24A						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 7W EPOCH YEAR: 2000						
2. HOLD NE SAPSE, RT, 245.63 INBOUND, 2500 FT. IN LIEU OF PT (IAF)																
3. FAC: 245.57 FAF: WITUR DIST FAF TO MAP: 4.87 THLD: 4.87																
4. MIN. ALT: SAPSE 2500, WITUR 2100																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: 2100 GS ALT AT: WITUR OM: _____ MM: _____ IM: _____																
7. GS ANGLE: 3.00 TCH: 42.6 34:1 IS NOT CLEAR																
8. MSA FROM: RW24 2300																
MINIMUMS																
TAKEOFF: _____		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: NA		STANDARD @						
CATEGORY =====>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA		736	1	250	736	1	250	736	1	250	736	1	250			
LNAV/VNAV DA		1017	2	531	1017	2	531	1017	2	531	1017	2	531			
LNAV MDA		960	1	474	960	1	474	960	1 1/4	474	960	1 1/2	474			
CIRCLING		1040	1	554	1040	1	554	1060	1 1/2	574	1080	2	594			
NOTES: CHART NOTE: WHEN VGSi INOP, STRAIGHT-IN/CIRCLING RWY 24 PROCEDURE NA AT NIGHT. CHART NOTE: BARO UNNAV NA WHEN USING ROCK HILL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10																
CITY AND STATE LANCASTER, SC		ELEVATION: 486 TDZE: 486 AIRPORT NAME: LANCASTER COUNTY-MC WHIRTER FIELD			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 17 DEC 2009						SUP: AMDT: ORIG DATED 08/08/2002			
QUALITY CHECKED 2																

QUALITY
2
CHECKED

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

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

NOTES CONT.**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ROCK HILL ALTIMETER SETTING AND INCREASE ALL DA 69 FEET AND ALL MDA 80 FEET, AND INCREASE LNAV/VNAV ALL CATS, LNAV CATS C AND D AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HUSTN VIA T201 AND T202 NORTHEAST BOUND, AND FOR ARRIVALS AT CTF VOR/DME VIA V155 NORTHEAST BOUND.**

QUALITY
2
CHECKED

CITY AND STATE LANCASTER, SC	ELEVATION: 486 TDZE: 486 AIRPORT NAME: LANCASTER COUNTY-MC WHIRTER FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 17 DEC 2009	SUP:
				AMDT: ORIG
				DATED: 08/08/2002

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KLKR
RUNWAY RW24
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W24A
LTP/FTP LATITUDE 344337.9620N
LTP/FTP LONGITUDE 0805045.8575W
LTP/FTP ELLIPSOIDAL HEIGHT +01176
FPAP LATITUDE 344251.3400N
FPAP LONGITUDE 0805218.0300W
THRESHOLD CROSSING HEIGHT (TCH) 00042.6
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0920
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

AD5D5A2C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +01480
FPAP ORTHOMETRIC HEIGHT +01480

QUALITY
2
CHECKED

CITY AND STATE
LANCASTER, SC

ELEVATION: 486 TDZE: 486
AIRPORT NAME:
LANCASTER COUNTY-MC WHIRTER FIELD

FACILITY
IDENTIFIER:
RNAV

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

SUP:
AMDT: ORIG
DATED: 08/08/2002

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KLK7R24	ACTF	010CTF	K7D 0V	IF					18000		A JS	
SUSAP	KLK7R24	ACTF	020LIGLEK7EA0E	A 020TF		29750174		+ 02500				A JS	
SUSAP	KLK7R24	ACTF	030SAPSEK7EA0EE	010TF		33560050		+ 02500				A JS	
SUSAP	KLK7R24	AHUSTN	010HUSTNK7EA0E	A IF						18000		A JS	
SUSAP	KLK7R24	AHUSTN	020SAPSEK7EA0EE	010TF		23350058		+ 02500				A JS	
SUSAP	KLK7R24	ASAPSE	010SAPSEK7EA0EE	AR HF		24560040		+ 02500		18000		A JS	
SUSAP	KLK7R24	R	010SAPSEK7EA0E	I IF						18000		A JS	
SUSAP	KLK7R24	R	020WITURK7EA1E	F 051TF		24560061		+ 02100			RW24	K7PGA JS	
SUSAP	KLK7R24	R	020WITURK7EA2WALPV		ALNAV/VNAV ALNAV							JS	
SUSAP	KLK7R24	R	030RW24 K7PGOGY	M 031TF		24560049			00528		-300	A JS	
SUSAP	KLK7R24	R	040CORONK7EA0EYM	010DF				+ 02200				A JS	
SUSAP	KLK7R24	R	050CORONK7EA0EE	R020HM		06540040		+ 02200				A JS	

[illegible]

QUALITY
CHECKED

CITY AND STATE LANCASTER, SC	ELEVATION: 486 TDZE: 486 AIRPORT NAME: LANCASTER COUNTY-MC WHIRTER FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 17 DEC 2009	SUP:
				AMDT: ORIG
				DATED: 08/08/2002

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

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

	SUSAP KLKRK7PR24	RW24 001 0000W24A0N3443379620W08050458575+011760300N3442513400W08052180300106750920000426F400500AD5D5A2C											
	SUSAP KLKRK7PR24	RW24 002E +01480+01480LPV 70416											

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

	SUSAP KLKRK7SRW24 K7PG	0 18018002325	M										

QUALITY
1
CHECKED

CITY AND STATE
LANCASTER, SC

ELEVATION: 486 TDZE: 486
 AIRPORT NAME:
 LANCASTER COUNTY-MC WHIRTER FIELD

FACILITY
IDENTIFIER:
RNAV

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

SUP:
 AMDT: ORIG
 DATED: 08/08/2002

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CTF	CTF	010		IF		FB				
	CTF	LIGLE	020	IAF	TF		FB	2.0	297.5 (291T)	017.4	02500
	CTF	SAPSE	030		TF		FB	1.0	335.6 (329T)	005.0	02500
	HUSTN	HUSTN	010	IAF	IF		FB				
	HUSTN	SAPSE	020		TF		FB	1.0	233.5 (227T)	005.8	02500
	SAPSE	SAPSE	010	IAF	HF	R	FO		245.6 (239T)	004.0	02500
		SAPSE	010	PACF	IF		FB				02500
		WITUR	020	PAF	TF		FB	0.5	245.6 (239T)	006.1	02100
		RW24	030	MAP	TF		FO	0.3	245.6 (239T)	004.9	00528

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CORON	040		DF		FO	1.0			02200
	CORON	050		HM	R	FO	2.0	065.4 (058T)	004.0	02200

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CTF	N343901.66	W0801629.74	N3439.028	W08016.496
	CORON	N343720.37	W0810310.55	N3437.340	W08103.176
	HUSTN	N345319.79	W0803419.56	N3453.330	W08034.326
	LIGLE	N344505.40	W0803613.93	N3445.090	W08036.232
	SAPSE	N344921.71	W0803924.05	N3449.362	W08039.401
	WITUR	N344610.68	W0804543.40	N3446.178	W08045.723
	RW24	N344337.96	W0805045.86	N3443.633	W08050.764

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW24	00486	43

QUALITY
1
CHECKED

CITY AND STATE LANCASTER, SC	ELEVATION: 486 TDZE: 486	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 17 DEC 2009	SUP:
	AIRPORT NAME: LANCASTER COUNTY-MC WHIRTER FIELD			AMDT: ORIG
				DATED: 08/08/2002

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30699 Amdt. No 3350]

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.

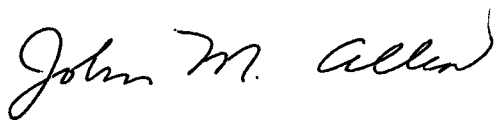
CONCLUSION

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 **NOV 27 2009**

A handwritten signature in black ink that reads "John M. Allen". The signature is written in a cursive style with a large, stylized 'J' and 'A'.

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 14 JAN 2010

Fort Pierce, FL, St. Lucie County Intl, Takeoff Minimums and Obstacle DP, Amdt 3
Malden, MO, Malden Rgnl, RNAV (GPS) RWY 36, Amdt 1A
Collegeville, PA, Perkiomen Valley, Takeoff Minimum and Obstacle DP, Orig-A
North Myrtle Beach, SC, Grand Strand, Takeoff Minimums and Obstacle DP, Orig
Rutland, VT, Rutland-Southern Vermont Rgnl, LOC Y RWY 9, Amdt 3A
Rutland, VT, Rutland-Southern Vermont Rgnl, LOC Z RWY 19, Amdt 1A
Ephrata, WA, Ephrata Muni, RNAV (GPS) RWY 21, Orig-A

Effective 11 FEB 2010

Noorvik, AK, Robert/Bob/Curtis Memorial, RNAV (GPS) RWY 6, Orig
Noorvik, AK, Robert/Bob/Curtis Memorial, RNAV (GPS) RWY 24, Orig
Noorvik, AK, Robert/Bob/Curtis Memorial, Takeoff Minimums and Obstacle DP, Orig
Lake Village, AR, Lake Village Muni, Takeoff Minimums and Obstacle DP, Orig
Phoenix, AZ, Phoenix-Mesa Gateway, PHOENIX ONE Graphic Obstacle DP
Phoenix, AZ, Phoenix-Mesa Gateway, Takeoff Minimums and Obstacle DP, Amdt 1
Scottsdale, AZ, Scottsdale, MARICOPA ONE Graphic Obstacle DP
Santa Ana, CA, John Wayne-Orange County, ILS OR LOC RWY 19R, Amdt 12
Burley, ID, Burley Muni, Takeoff Minimums and Obstacle DP, Amdt 5
Junction City, KS, Freeman Field, Takeoff Minimums and Obstacle DP, Amdt 2
Henderson, KY, Henderson City County Airport, NDB RWY 9, Amdt 4, CANCELLED
Fort Meade, MD, Col William F. (Shorty) Tipton, NDB RWY 10, Amdt 1, CANCELLED
Glencoe, MN, Glencoe Muni, NDB RWY 31, Amdt 1
Minneapolis, MN, Airlake, ILS OR LOC RWY 30, Orig-D
Minneapolis, MN, Anoka County-Blaine Arpt (Janes Field), Takeoff Minimums and Obstacle DP, Amdt 5
Binghamton, NY, Greater Binghamton/Edwin A. Link Field, ILS OR LOC RWY 34, Amdt 3
Binghamton, NY, Greater Binghamton/Edwin A. Link Field, RNAV (GPS) RWY 16, Amdt 1
Binghamton, NY, Greater Binghamton/Edwin A. Link Field, RNAV (GPS) RWY 28, Amdt 1
Binghamton, NY, Greater Binghamton/Edwin A. Link Field, RNAV (GPS) RWY 34, Amdt 1
Binghamton, NY, Greater Binghamton/Edwin A. Link Field, VOR/DME RWY 28, Amdt 11
Massena, NY, Massena Intl-Richards Field, ILS OR LOC RWY 5, Amdt 3
Massena, NY, Massena Intl-Richards Field, RNAV (GPS) RWY 5, Amdt 1
Massena, NY, Massena Intl-Richards Field, RNAV (GPS) RWY 9, Amdt 1
Massena, NY, Massena Intl-Richards Field, RNAV (GPS) RWY 23, Amdt 1
Massena, NY, Massena Intl-Richards Field, RNAV (GPS) RWY 27, Amdt 1
Massena, NY, Massena Intl-Richards Field, RNAV (GPS) Y RWY 5, Orig, CANCELLED
Massena, NY, Massena Intl-Richards Field, VOR-A, Orig, CANCELLED
Dayton, OH, James M Cox Dayton Intl, RNAV (GPS) RWY 24L, Amdt 1A
Block Island, RI, Block Island State, Takeoff Minimums and Obstacle DP, Amdt 3
Block Island, RI, Block Island State, VOR RWY 28, Amdt 5

Myrtle Beach, SC, Myrtle Beach Intl, Takeoff Minimums and Obstacle DP, Amdt 2
Bridgeport, TX, Bridgeport Muni, RNAV (GPS) RWY 18, Orig
Bridgeport, TX, Bridgeport Muni, VOR/DME RWY 18, Amdt 1
Houston, TX, George Bush Intercontinental/Houston, ILS OR LOC RWY 27, ILS RWY 27
(CAT II), ILS RWY 27 (CAT III), Amdt 8
Stamford, TX, Arledge Field, NDB OR GPS RWY 35. Orig, CANCELLED
Stamford, TX, Arledge Field, RNAV (GPS) RWY 17. Orig
Stamford, TX, Arledge Field, RNAV (GPS) RWY 35, Orig
Stamford, TX, Arledge Field, Takeoff Minimums and Obstacle DP, Orig
Front Royal, VA, Front Royal-Warren County, VOR-B, Orig
Springfield, VT, Hartness State (Springfield), LOC-A, Amdt 4A, CANCELLED
Springfield, VT, Hartness State (Springfield), LOC/DME RWY 5, Amdt 4
Springfield, VT, Hartness State (Springfield), NDB-B, Amdt 6A, CANCELLED

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 10L, 28R, NA - ENVIRONMENTAL

RWY 10R, 14, 28L, 32, STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 10R, BUSH 91' FROM DER, 496' LEFT OF CENTERLINE, 11' AGL/31' MSL. TREE 1044' FROM DER, 458' RIGHT OF CENTERLINE, 36' AGL/51' MSL. TREES BEGINNING 1124' FROM DER, 332' LEFT OF CENTERLINE, UP TO 100' AGL/144' MSL. NOTE: RWY 14, POLES BEGINNING 274' FROM DER, 385' RIGHT OF CENTERLINE, UP TO 38' AGL/58' MSL. TREES BEGINNING 963' FROM DER, 470' RIGHT OF CENTERLINE, UP TO 61' AGL/81' MSL. TREES BEGINNING 1082' FROM DER, 425' LEFT OF CENTERLINE, UP TO 49' AGL/69' MSL. NOTE: RWY 32, TREES BEGINNING 187' FROM DER, 153' RIGHT OF CENTERLINE, UP TO 73' AGL/93' MSL. TREES BEGINNING 1832' FROM DER, 133' LEFT OF CENTERLINE, UP TO 66' AGL/86' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
CHECKED

(5) City, State

FORT PIERCE, FL

(6) Airport

ST. LUCIE COUNTY INTL

(7) Effective Date

14 JAN 2010

(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		LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 2100 DIRECT GOSTE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 181.62 INBOUND. CHART FAS OBST: 394 TREE 363510N/0895925W CHART FAS OBST: 394 TREE 363510N/0895902W CHART 884 TOWER 363042N/0895849W. DISTANCE TO THLD FROM 250 HAT: 0.65 NM. CHART VDP AT 1.01 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 93815 REFERENCE PATH ID: W36A							
ARG VORTAC		CHRLS (FB)		067.82 / 45.01				2100									
DYR VORTAC		SHRRN (FB)		310.52 / 36.12				2100									
CHRLS (IAF)		DROSS (NOPT) (FB)		091.56 / 5.00				2100									
SHRRN (IAF)		DROSS (NOPT) (FB)		271.68 / 5.00				2100									
DROSS (IF/IAF)		VRNEL (FB)		001.62 / 6.05				2100									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S DROSS, RT, 001.62 INBOUND, 2100 FT. IN LIEU OF PT (IAF) 3. FAC: <u>001.62</u> FAF: <u>VRNEL</u> DIST FAF TO MAP: <u>5.45</u> THLD: <u>5.45</u> 4. MIN. ALT: <u>DROSS 2100, VRNEL 2100, ONCE/1.60 NM TO RW36 820*</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>VRNEL</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>45.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW36 2300</u>										MAG VAR: 1W		EPOCH YEAR: 2010					
MINIMUMS																	
TAKEOFF: <u> </u>		STANDARD ☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A ☒											
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	543	1	250	543	1	250	543	1	250		NA						
LNAV/VNAV DA	698	1 1/2	405	698	1 1/2	405	698	1 1/2	405		NA						
LNAV MDA	660	1	367	660	1	367	660	1	367		NA						
CIRCLING		720	1	426	820	1	526	820	1 1/2	526		NA					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE POPLAR BLUFF ALTIMETER SETTING AND INCREASE ALL DA 50 FEET, ALL MDA 60 FEET AND LNAV CAT C VISIBILITY 1/4 MILE. SEE 8260-10																	
CITY AND STATE				ELEVATION: 294 TDZE: 293				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
MALDEN, MO				AIRPORT NAME: MALDEN RGNL								RNAV (GPS) RWY 36, AMDT 1A				AMDT: 1	
								14 JAN 2010								DATED 10/22/2009	



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

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

NOTES CONT.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ARG VORTAC AIRWAY RADIALS 016 CW 089.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT DYR VORTAC VIA V140 EASTBOUND.

QUALITY
9
CHECKED

CITY AND STATE

MALDEN, MO

ELEVATION: 294 TDZE: 293

AIRPORT NAME:

MALDEN RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1A

14 JAN 2010

SUP:

AMDT: 1

DATED: 10/22/2009

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMAW
RUNWAY RW36
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W36A
LTP/FTP LATITUDE 363537.2400N
LTP/FTP LONGITUDE 0895936.8500W
LTP/FTP ELLIPSOIDAL HEIGHT +00803
FPAP LATITUDE 363706.4500N
FPAP LONGITUDE 0895935.6500W
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 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

889F23E0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +00890
FPAP ORTHOMETRIC HEIGHT +00890

QUALITY
9
CHECKED

CITY AND STATE MALDEN, MO	ELEVATION: 294 TDZE: 293 AIRPORT NAME: MALDEN RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1A 14 JAN 2010	SUP:
				AMDT: 1
				DATED: 10/22/2009

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
7
CHECKED

CITY AND STATE MALDEN, MO	ELEVATION: 294 TDZE: 293 AIRPORT NAME: MALDEN RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1A 14 JAN 2010	SUP:
				AMDT: 1
				DATED: 10/22/2009

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

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

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

SUSAP KMAWK3GRW36	0050110016	N36353724WC89593685+0000											+0060300292000045075R

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

SUSAP KMAWK3PR36	RW36 001	0000W36A0N3635372400W08959368500+006030300N3637064500W08959356500106751224000450F400500889F23E0											
SUSAP KMAWK3PR36	RW36 002E	+00890+00890LPV											93815

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

SUSAP KMAWK3SRW36 K3PG				0	18018002325								M

QUALITY
1
CHECKED

CITY AND STATE
MALDEN, MO

ELEVATION: 294 TDZE: 293
AIRPORT NAME:
MALDEN RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 1A
14 JAN 2010

SUP:
AMDT: 1
DATED: 10/22/2009

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
	ARG	ARG	010		IF		FB				
	ARG	CHRLS	020	IAF	TF		FB	2.0	067.8 (067T)	045.0	02100
	ARG	DROSS	030	IF	TF		FB	1.0	091.6 (091T)	005.0	02100
	DROSS	DROSS	010	IAF	HF	R	FO		001.6 (001T)	004.0	02100
	DYR	DYR	010		IF		FB				
	DYR	SHRRN	020	IAF	TF		FB	2.0	310.5 (310T)	036.1	02100
	DYR	DROSS	030	IF	TF		FB	1.0	271.7 (271T)	005.0	02100
		DROSS	010	FACF	IF		FB				02100
		VRNEL	020	FAF	TF		FB	0.5	001.6 (001T)	006.1	02100
		ONCEF	021	SDF	TF		FB	0.3	001.6 (001T)	003.9	0082000849
		RW36	030	MAP	TF		FO	0.3	001.6 (001T)	001.6	00337

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	001.6 (001T)		00543
	GOSTE	050		DF		FO	1.0			02100
	GOSTE	060		HM	R	FO	2.0	181.6 (181T)	004.0	02100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ARG	N360635.95	W0905713.23	N3606.599	W09057.221
	DYR	N360106.78	W0891903.69	N3601.113	W08919.062
	CHRLS	N362409.43	W0900557.70	N3624.157	W09005.962
	DROSS	N362406.34	W0895946.10	N3624.106	W08959.768
	GOSTE	N364757.66	W0895926.88	N3647.961	W08959.448
	ONCEF	N363401.12	W0895938.14	N3634.019	W08959.636
	SHRRN	N362402.93	W0895334.50	N3624.049	W08953.575
	VRNEL	N363009.59	W0895941.24	N3630.160	W08959.687
	RW36	N363537.24	W0895936.85	N3635.621	W08959.614

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW36	00292		45

QUALITY
1
CHECKED

CITY AND STATE
MALDEN, MO

ELEVATION: 294 TDZE: 293
 AIRPORT NAME:
 MALDEN RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 36, AMDT 1A
 14 JAN 2010

SUP:
 AMDT: 1
 DATED: 10/22/2009

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:
PROCEDURE NA AT NIGHT.
RWY 09, 27 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, MULTIPLE TREES BEGINNING 386' FROM DER 91' RIGHT OF CENTERLINE, UP TO 100' AGL/369' MSL. MULTIPLE TREES BEGINNING 923' FROM DER, 342' LEFT OF CENTERLINE, UP TO 100' AGL/369' MSL. POWERLINES 4,412' FROM DER, 98' LEFT OF CENTERLINE, UP TO 150' AGL/400' MSL.

NOTE: RWY 27, MULTIPLE TREES BEGINNING 104' FROM DER, 45' RIGHT OF CENTERLINE, UP TO 100' AGL/329' MSL. MULTIPLE TREES BEGINNING 212' FROM DER, 42' LEFT OF CENTERLINE, UP TO 100' AGL/317' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
9
CHECKED

(5) City, State

COLLEGEVILLE, PA

(6) Airport

PERKIOMEN VALLEY

(7) Effective Date

14 JAN 2010

(8) Amdt. No.

ORIG-A

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, VEHICLES ON ROADWAY 8' FROM DER, 455' RIGHT OF CENTERLINE, UP TO 16' AGL/41' MSL. TREES BEGINNING 1782' FROM DER, 6' RIGHT OF CENTERLINE, UP TO 74' AGL/103' MSL.

NOTE: RWY 23, TREES BEGINNING 43' FROM DER, 399' RIGHT OF CENTERLINE, UP TO 33' AGL/58' MSL. SIGN 60' FROM DER, 205' LEFT OF CENTERLINE, 11' AGL/36' MSL. TREES BEGINNING 1393' FROM DER, 277' LEFT OF CENTERLINE, UP TO 62' AGL/88' MSL.

(4) CONTROLLING OBSTACLES:



(5) City, State
NORTH MYRTLE BEACH, SC

(6) Airport
GRAND STRAND

(7) Effective Date
14 JAN 2010

(8) Amdt. No.
ORIG

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	MAP: 9.57 MILES AFTER DYO NDB/I-RUT 10.95 DME OR AT WEVON/I-RUT 1.39 DME FIX CLIMB TO 5700 VIA RUT VOR/DME AND RUT VOR/DME R-225 TO FAROX/RUT 7.50 DME AND RIGHT TURN VIA CAM VOR/DME R-033 TO KOPVE INT/I-RUT 17.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1019 TREE 433436N/0725636W CHART MALSR RWY 19 CHART VDP AT 3.70 DME; DISTANCE VDP TO THLD 2.82 MILES. SMUTO NDB TO RW19: 3.45/58.											
CAM VOR/DME	KOPVE INT/I-RUT 17.00 DME	032.90 / 51.58	5700												
BTV VOR/DME	PIPYO/BTV 20.00 DME	179.68 / 20.00	6000												
MPV VOR/DME	UTADE/MPV 21.00 DME	249.12 / 21.00	6000												
PIPYO/BTV 20.00 DME (IAF)	KOPVE INT/I-RUT 17.00 DME (NOPT)	179.68 / 16.69 (BTV R-180)	5700												
UTADE/MPV 21.00 DME (IAF)	KOPVE INT/I-RUT 17.00 DME (NOPT)	249.12 / 6.71 (MPV R-249)	5700												
KOPVE INT/I-RUT 17.00 DME (IF/IAF)	DYO NDB/I-RUT 10.95 DME	193.53 / 6.05	4500												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N KOPVE, RT, 193.53 INBOUND, 5700 FT. IN LIEU OF PT (IAF) 3. FAC <u>193.53</u> FAF <u>DYO NDB/I-RUT 10.95 DME</u> DIST FAF TO MAP <u>9.57</u> THLD <u>10.07</u> 4. MIN. ALT <u>KOPVE 5700, DYO NDB 4500, CHITT FM/I-RUT 6.71 DME 2960*</u> 8. MSA FROM: <u>DYO NDB 5500</u>					MAG VAR: 15W EPOCH YEAR: 1995										
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-19	2960	1 1/4	2173	2960	1 1/2	2173	2960	2 1/2	2173		NA				
CIRCLING	2960	1 1/4	2173	2960	1 1/2	2173	2960	3	2173		NA				
CHITT FIX MINIMUMS															
S-19	1880	3/4	1093	1880	1	1093	1880	2 1/2	1093		NA				
CIRCLING	1900	1 1/4	1113	1900	1 1/2	1113	1960	3	1173		NA				
NOTES: CHART NOTE: CIRCLING NA EAST OF RWYS 19 AND 31. CHART NOTE: DME REQUIRED. *3460 WHEN USING SPRINGFIELD ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPRINGFIELD ALTIMETER SETTING AND SEE 8260-10															
CITY AND STATE RUTLAND, VT		ELEVATION: 787 TDZE: 787 AIRPORT NAME: RUTLAND - SOUTHERN VERMONT RGNL		FACILITY IDENTIFIER: I-RUT		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC Y RWY 19, AMDT 3A 14 JAN 2010					SUP AMDT 3 DATE 03/12/2009				

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.

NOTES CONT.

INCREASE ALL MDA 500 FEET.

CHART NOTE: VDP NA WHEN USING SPRINGFIELD ALTIMETER SETTING.

CHART NOTE: CHITT FIX STRAIGHT-IN MINIMA NA WHEN USING SPRINGFIELD ALTIMETER SETTING.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-19 CAT A AND B.

CITY AND STATE

RUTLAND, VT

ELEVATION: 787

TDZE: 787

AIRPORT NAME:

RUTLAND - SOUTHERN VERMONT RGNL

FACILITY
IDENTIFIER:

I-RUT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC Y RWY 19, AMDT 3A

14 JAN 2010

SUP:

AMDT:

3

DATED:

03/12/2009

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CAM VOR/DME	KOPVE INT/I-RUT 17.00 DME	032.90 / 51.58	5700
BTB VOR/DME	PIPYO/BTV 20.00 DME	179.68 / 20.00	6000
MPV VOR/DME	UTADE/MPV 21.00 DME	249.12 / 21.00	6000
PIPYO/BTV 20.00 DME (IAF)	KOPVE INT/I-RUT 17.00 DME	179.68 / 16.69 (BTV R-180)	5700
UTADE/MPV 21.00 DME (IAF)	KOPVE INT/I-RUT 17.00 DME	249.12 / 6.71 (MPV R-249)	5700
KOPVE INT/I-RUT 17.00 DME (IF/IAF)	DYO NDB/I-RUT 10.95 DME	193.53 / 6.05	4500

MISSED APPROACH

MAP: 9.57 MILES AFTER DYO NDB/I-RUT 10.95 DME OR AT WEVON/I-RUT 1.39 DME FIX

CLIMB TO 5700 VIA RUT VOR/DME AND RUT VOR/DME R-225 TO FAROX/RUT 7.50 DME AND RIGHT TURN VIA CAM VOR/DME R-033 TO KOPVE INT/I-RUT 17.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
CHART FAS OBST: 1019 TREE 433436N/0725636W
CHART MALSR RWY 19
CHART VDP AT 2.09 DME;
DISTANCE VDP TO THLD 1.20 MILES.
SMUTO NDB TO RW19: 3.45/58.

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. **HOLD N KOPVE, RT, 193.53 INBOUND, 5700 FT. IN LIEU OF PT (IAF)**
3. **FAC 193.53 FAF DYO NDB/I-RUT 10.95 DME** DIST FAF TO MAP 9.57 THLD 10.07
4. MIN. ALT **KOPVE 5700, DYO NDB 4500, CHITT FM/I-RUT 6.71 DME 2960***
8. MSA FROM: **DYO NDB 5500**

MAG VAR: 15W

EPOCH YEAR: 1995

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-19		2960	1 1/4	2173	2960	1 1/2	2173	2960	2 1/2	2173			NA					
CIRCLING		2960	1 1/4	2173	2960	1 1/2	2173	2960	3	2173			NA					

CHITT FIX MINIMUMS

S-19	1280	3/4	493	1280	3/4	493	1280	3/4	493		NA				
CIRCLING	1900	1 1/4	1113	1900	1 1/2	1113	1960	3	1173		NA				

NOTES:

CHART NOTE: CIRCLING NA EAST OF RWYS 19 AND 31.

CHART NOTE: DME REQUIRED.

*3460 WHEN USING SPRINGFIELD ALTIMETER SETTING.

CHART PLANVIEW NOTE: MISSED APPROACH OBSTRUCTIONS REQUIRE A MINIMUM CLIMB GRADIENT OF 300 FT/NM

SEE 8260-10



CITY AND STATE RUTLAND, VT	ELEVATION: 787 TDZE: 787 AIRPORT NAME: RUTLAND - SOUTHERN VERMONT RGNL	FACILITY IDENTIFIER: I-RUT	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC Z RWY 19, AMDT 1A 14 JAN 2010	SUP AMDT 1 DATE 03/12/2009
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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.

NOTES CONT.

UNTIL PASSING 3500 FT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPRINGFIELD ALTIMETER SETTING AND INCREASE ALL MDA 500 FEET.

CHART NOTE: CHITT FIX STRAIGHT-IN MINIMUMS NA WHEN USING SPRINGFIELD ALTIMETER SETTING.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-19 CAT A AND B. FOR INOPERATIVE MALSR,

INCREASE CHITT FIX MINIMUMS S-19 CAT A AND B VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING SPRINGFIELD ALTIMETER SETTING.

CITY AND STATE

RUTLAND, VT

ELEVATION: 787 TDZE: 787

AIRPORT NAME:

RUTLAND - SOUTHERN VERMONT RGNL

FACILITY
IDENTIFIER:

I-RUT

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC Z RWY 19, AMDT 1A

14 JAN 2010

SUP:

AMDT:

1

DATED:

03/12/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
MWH VOR/DME	TICYU (FO)	342.90 / 14.44	4000	LPV: DA LNAV/VNAV: DA LNAV: RW21 CLIMB TO 4500 DIRECT UDECU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 026.55 INBOUND. CHART FAS OBST: 1349 TREE 471907N/1193004W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 2.21 MILES TO RW21* *LNAV ONLY. WAAS CHANNEL # 82308 REFERENCE PATH ID: W21A								
WIPES (IAF)	TICYU (NOPT) (FB)	268.83 / 9.07	3800									
TICYU (IF/IAF)	CIGUM (FB)	206.85 / 6.08	2900									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE TICYU, RT, 206.85 INBOUND, 3800 FT. IN LIEU OF PT (IAF) 3. FAC: <u>206.78</u> FAF: <u>CIGUM</u> DIST FAF TO MAP: <u>4.92</u> THLD: <u>4.92</u> 4. MIN. ALT: <u>TICYU 3800, CIGUM 2900</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>2900</u> GS ALT AT: <u>CIGUM</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.0</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW21 5200</u>				MAG VAR: 16E 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
LPV DA	1526	3/4	250	1526	3/4	250	1526	3/4	250	1526	3/4	250
LNAV/VNAV DA	2171	4	895	2171	4	895	2171	4	895	2171	4	895
LNAV MDA	2020	1	744	2020	1 1/4	744	2020	2 1/4	744	2020	2 1/2	744
CIRCLING	2020	1	744	2020	1 1/4	744	2020	2 1/4	744	2500	3	1224
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MWH VOR/DME VIA V497 SOUTHEAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WIPES VIA V120 NORTHEAST BOUND. SEE 8260-10												
CITY AND STATE		ELEVATION: 1276 TDZE: 1276		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
EPHRATA, WA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 21, ORIG-A			AMDT: ORIG			
		EPHRATA MUNI				14 JAN 2010			DATED 05/07/2009			

QUALITY
CHECKED

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

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

NOTES CONT.**CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: VDP AND BARO-VNAV NA WHEN USING MOSES LAKE/GRANT COUNTY INTL ALTIMETER SETTING.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MOSES LAKE/GRANT COUNTY INTL ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET; INCREASE VISIBILITY LPV ALL CATS, LNAV CATS C AND D AND CIRCLING CAT C 1/4 MILE.**

QUALITY
5
CHECKED

CITY AND STATE

EPHRATA, WA

ELEVATION: 1276 TDZE: 1276

AIRPORT NAME:

EPHRATA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, ORIG-A

14 JAN 2010

SUP:

AMDT: ORIG

DATED: 05/07/2009

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEPH
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W21A
REFERENCE PATH IDENTIFIER (APPROACH ID)	471900.9900N
LTP/FTP LATITUDE	1193024.7100W
LTP/FTP LONGITUDE	+03684
LTP/FTP ELLIPSOIDAL HEIGHT	471755.5500N
FPAP LATITUDE	1193153.5200W
FPAP LONGITUDE	00051.0
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	1072
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER

1E1934F2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K1
LTP ORTHOMETRIC HEIGHT	+03888
FPAP ORTHOMETRIC HEIGHT	+03888

QUALITY
5
CHECKED

CITY AND STATE EPHRATA, WA	ELEVATION: 1276 TDZE: 1276 AIRPORT NAME: EPHRATA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG-A 14 JAN 2010	SUP:
				AMDT: ORIG
				DATED: 05/07/2009

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 CHECKED

CITY AND STATE EPHRATA, WA	ELEVATION: 1276 TDZE: 1276 AIRPORT NAME: EPHRATA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG-A 14 JAN 2010	SUP:
				AMDT: ORIG
				DATED: 05/07/2009

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.

QUALITY CHECKED

FAA FORM 8260-10 / MARCH 2003 (Computer Generated)

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
	MWH	MWH	010		IF		FB				
	MWH	TICYU	020	IAF	TF		FO	2.0	342.9 (359T)	014.4	04000
	MWH	TICYU	030		HF	R	FO		206.9 (223T)	004.0	03800
	WIPES	WIPES	010	IAF	IF		FB				
	WIPES	TICYU	020	IF	TF		FB	1.0	268.8 (285T)	009.1	03800
		TICYU	010	FACF	IF		FB				03800
		CIGUM	020	FAF	TF		FB	0.5	206.9 (223T)	006.1	02900
		RW21	030	MAP	TF		FO	0.3	206.8 (223T)	004.9	01327

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	UDECU	040		DF		FO	1.0			04500
	UDECU	050		HM	R	FO	2.0	026.6 (043T)	005.0	04500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MWH	N471239.11	W1191900.54	N4712.652	W11919.009
	CIGUM	N472237.55	W1192530.16	N4722.626	W11925.503
	TICYU	N472705.10	W1191924.95	N4727.085	W11919.416
	UDECU	N470834.31	W1194431.74	N4708.572	W11944.529
	WIPES	N472446.55	W1190629.42	N4724.776	W11906.490
	RW21	N471900.99	W1193024.71	N4719.017	W11930.412

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW21	01276	51

QUALITY
6
CHECKED

CITY AND STATE
EPHRATA, WA

ELEVATION: 1276 TDZE: 1276
 AIRPORT NAME:
 EPHRATA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 21, ORIG-A
 14 JAN 2010

SUP:
 AMDT: ORIG
 DATED: 05/07/2009

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. Ceilings are 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: RW06 CLIMB TO 4100 DIRECT ZUXOK AND VIA TRACK 035.62 TO WAYVO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4100. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 149.50 INBOUND. CHART FAS OBST: 144 TREE 664841N/1610238W DISTANCE TO THLD FROM 345 HAT: 0.99 NM. WAAS CHANNEL # 78213 REFERENCE PATH ID: W06A											
DOTKY (IAF)	ODMEE (NOPT) (FB)	148.46 / 5.00	2600												
AWNID (IAF)	ODMEE (NOPT) (FB)	328.56 / 5.00	2600												
ODMEE (IF/IAF)	FERKU (FB)	058.51 / 6.09	1700												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW ODMEE, RT, 058.51 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC: 058.73 FAF: FERKU DIST FAF TO MAP: 5.01 THLD: 5.01 4. MIN. ALT: ODMEE 2600, FERKU 1700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: FERKU OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: _____				MAG VAR: 16E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X										
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
LPV DA	399	1 1/4	345	399	1 1/4	345	399	1 1/4	345	399	1 1/4	345			
LNAV/VNAV DA	484	1 1/2	430	484	1 1/2	430	484	1 1/2	430	484	1 1/2	430			
LNAV MDA	480	1	426	480	1	426	480	1 1/4	426	480	1 1/4	426			
CIRCLING	520	1	465	520	1	465	520	1 1/2	465	620	2	565			
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. SEE 8260-10															
CITY AND STATE NOORVIK, AK		ELEVATION: 55 TDZE: 54 AIRPORT NAME: ROBERT/BOB/CURTIS MEMORIAL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG 11 FEB 2010		SUP: AMDT: NONE DATED							

QUALITY
1
CHECKED

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

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NOTES CONT.

CHART NOTE: USE SELAWIK ALTIMETER SETTING; WHEN NOT RECEIVED, USE KOTZEBUE ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET, INCREASE LPV AND LNAV/VNAV ALL CATS AND LNAV CAT D VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	329/30 CW 059/30 (NOPT)	ODMEE (IF/IAF) (FB)	2600
	059/10 CW 148/10	ODMEE (IF/IAF) (FB)	2600
2.	059/30 CW 148/30 (NOPT)	059/10 CW 148/10	4700
3.	148/30 CW 239/30	DOTKY (IAF) (FB)	4900
4.	239/30 CW 329/30	AWNID (IAF) (FB)	4100

QUALITY
CHECKED

CITY AND STATE NOORVIK, AK	ELEVATION: 55 TDZE: 54 AIRPORT NAME: ROBERT/BOB/CURTIS MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG 11 FEB 2010	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 PFNO
RUNWAY RW06
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W06A
REFERENCE PATH IDENTIFIER (APPROACH ID) 664857.9770N
LTP/FTP LATITUDE 1610208.3120W
LTP/FTP LONGITUDE +00160
LTP/FTP ELLIPSOIDAL HEIGHT 664921.0400N
FPAP LATITUDE 1605830.7300W
FPAP LONGITUDE 00040.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 1528
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

CA92D369

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE PF
LTP ORTHOMETRIC HEIGHT +00131
FPAP ORTHOMETRIC HEIGHT +00131

CITY AND STATE NOORVIK, AK	ELEVATION: 55 TDZE: 54 AIRPORT NAME: ROBERT/BOB/CURTIS MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG 11 FEB 2010	SUP: AMDT: NONE DATED:
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Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

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

QUALITY
CHECKED

CITY AND STATE NOORVIK, AK	ELEVATION: 55 TDZE: 54 AIRPORT NAME: ROBERT/BOB/CURTIS MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG 11 FEB 2010	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. Cellings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

QUALITY
1
CHECKED

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
	AWNID	AWNID	010	IAF	IF		FB				
	AWNID	ODMEE	020		TF		FB	1.0	328.6 (345T)	005.0	02600
	DOTKY	DOTKY	010	IAF	IF		FB				
	DOTKY	ODMEE	020		TF		FB	1.0	148.5 (165T)	005.0	02600
	ODMEE	ODMEE	010	IAF	HF	R	FB		058.5 (075T)	004.0	02600
		ODMEE	010	FACF	IF		FB				02600
		FERKU	020	FAF	TF		FB	0.5	058.5 (075T)	006.1	01700
		RW06	030	MAP	TF		FO	0.3	058.7 (075T)	005.0	00083

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZUXOK	040		DF		FB	1.0			
	WAYVO	050		TF		FO	1.0	035.6 (052T)		04100
	WAYVO	060		HM	R	FO	2.0	149.5 (166T)	005.0	04100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AWNID	N664114.90	W1612549.51	N6641.248	W16125.825
	DOTKY	N665051.04	W1613233.87	N6650.851	W16132.565
	FERKU	N664739.61	W1611421.27	N6647.660	W16114.355
	ODMEE	N664603.01	W1612911.03	N6646.050	W16129.184
	WAYVO	N665801.18	W1602431.53	N6658.020	W16024.526
	ZUXOK	N665017.69	W1604932.02	N6650.295	W16049.534
	RW06	N664857.98	W1610208.31	N6648.966	W16102.139

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW06	00043	40

QUALITY
1
CHECKED

CITY AND STATE NOORVIK, AK	ELEVATION: 55 TDZE: 54	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: ROBERT/BOB/CURTIS MEMORIAL			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	
ROCMU (IAF)	NETCO (NOPT) (FB)	329.60 / 5.00	4100	LPV: DA LNAV/VNAV: DA LNAV: RW24
WAYVO (IAF)	NETCO (NOPT) (FB)	149.50 / 5.00	4100	CLIMB TO 2600 DIRECT ODMEE AND HOLD.
NETCO (IF/IAF)	XUXMO (FB)	239.55 / 3.20	3600	
XUXMO	HEKRA (FB)	239.43 / 3.00	3300	ADDITIONAL FLIGHT DATA: HOLD SW, RT, 058.51 INBOUND. CHART FAS OBST: 119 TREE 664924N/1605858W CHART FAS OBST: 194 TREE 664913N/1605223W DISTANCE TO THLD FROM 376 HAT: 1.06 NM. WAAS CHANNEL # 78313 REFERENCE PATH ID: W24A

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. **HOLD NE NETCO, RT, 239.55 INBOUND, 4100 FT. IN LIEU OF PT (IAF)**
3. FAC: 239.32 FAF: HEKRA DIST FAF TO MAP: 9.80 THLD: 9.80
4. MIN. ALT: **NETCO 4100, XUXMO 3600, HEKRA 3300, ZUXOK/4.50 NM TO RW24 1540***
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
6. MIN GS INCPT: 3300 GS ALT AT: HEKRA OM: _____ MM: _____ IM: _____
7. GS ANGLE: 3.00 TCH: 40.0 **34:1 IS CLEAR**
8. MSA FROM: _____

EPOCH YEAR: 2010

[illegible]

~~INCREASE ALL DA/MDA 40 FEET AND VISIBILITY LPV AND LNAV/VNAV 1/4 MILE ALL CATS.~~

DATED

PAGE 1 OF 6 PAGES

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TAA

	FROM	TO	ALT
1.	150/30 CW 240/30 (NOPT)	150/8 CW 240/8	6400
2.	150/8 CW 240/8	NETCO (IF/IAF) (FB)	4100
	240/30 CW 330/30 (NOPT)	NETCO (IF/IAF) (FB)	4100
3.	330/30 CW 060/30	ROCMU (IAF) (FB)	4100
4.	060/30 CW 150/30	WAYVO (IAF) (FB)	5100

QUALITY
2
CHECKED

CITY AND STATE

NOORVIK, AK

ELEVATION: 55 TDZE: 55

AIRPORT NAME:

ROBERT/BOB/CURTIS MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24, ORIG

11 FEB 2010

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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	PFNO
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W24A
REFERENCE PATH IDENTIFIER (APPROACH ID)	664908.2090N
LTP/FTP LATITUDE	1610031.8605W
LTP/FTP LONGITUDE	+00190
LTP/FTP ELLIPSOIDAL HEIGHT	664845.1200N
FPAP LATITUDE	1610409.3800W
FPAP LONGITUDE	00040.0
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	1528
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	
<u>CRC REMAINDER</u>	4C3BB65D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	PF
LTP ORTHOMETRIC HEIGHT	+00160
FPAP ORTHOMETRIC HEIGHT	+00160

QUALITY
2
CHECKED

CITY AND STATE NOORVIK, AK	ELEVATION: 55 TDZE: 55 AIRPORT NAME: ROBERT/BOB/CURTIS MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

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

QUALITY
CHECKED

CITY AND STATE NOORVIK, AK	ELEVATION: 55 TDZE: 55 AIRPORT NAME: ROBERT/BOB/CURTIS MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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QUALITY
checked

CITY AND STATE NOORVIK, AK	ELEVATION: 55 TDZE: 55 AIRPORT NAME: ROBERT/BOB/CURTIS MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, ORIG 11 FEB 2010	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
	NETCO	NETCO	010	IAF	HF	R	FB		239.6 (256T)	005.0	04100
	ROCMU	ROCMU	010	IAF	IF		FB				
	ROCMU	NETCO	020		TF		FB	1.0	329.6 (346T)	005.0	04100
	WAYVO	WAYVO	010	IAF	IF		FB				
	WAYVO	NETCO	020		TF		FB	1.0	149.5 (166T)	005.0	04100
		NETCO	010	FACF	IF		FB				04100
		XUXMO	011	SDF	TF		FB	0.5	239.6 (256T)	003.2	03600
		HEKRA	020	FAF	TF		FB	0.5	239.4 (255T)	003.0	03300
		ZUXOK	021	SDF	TF		FB	0.3	239.3 (255T)	005.3	0154001544
		RW24	030	MAP	TF		FO	0.3	239.3 (255T)	004.5	00093

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ODMEE	040		DF		FO	1.0			02600
	ODMEE	050		HM	R	FO	2.0	058.5 (075T)	004.0	02600

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HEKRA	N665138.60	W1603632.90	N6651.643	W16036.548
	NETCO	N665311.75	W1602121.08	N6653.196	W16021.351
	ODMEE	N664603.01	W1612911.03	N6646.050	W16129.184
	ROCMU	N664822.25	W1601811.88	N6648.371	W16018.198
	WAYVO	N665801.18	W1602431.53	N6658.020	W16024.526
	XUXMO	N665223.82	W1602912.27	N6652.397	W16029.205
	ZUXOK	N665017.69	W1604932.02	N6650.295	W16049.534
	RW24	N664908.21	W1610031.86	N6649.137	W16100.531

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW24	00053	40

QUALITY
CHECKED

CITY AND STATE
NOORVIK, AK

ELEVATION: 55 TDZE: 55
 AIRPORT NAME:
 ROBERT/BOB/CURTIS MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 24, ORIG
 11 FEB 2010

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:
STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 6 - CLIMBING LEFT TURN TO A HEADING BETWEEN 239° CW TO 282° FROM DEPARTURE END OF RUNWAY TO 3700 BEFORE PROCEEDING ON COURSE, OR MINIMUM CLIMB OF 345 FT PER NM TO 2700 FOR ALL OTHER COURSES.

RWY 24 - CLIMB ON A HEADING BETWEEN 104° CW TO 309° FROM DEPARTURE END OF RUNWAY TO 3700 BEFORE PROCEEDING ON COURSE, OR MINIMUM CLIMB OF 265 FT PER NM TO 3500 FOR ALL OTHER COURSES.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TREES BEGINNING AT DER, 400' LEFT AND RIGHT OF CENTERLINE, UP TO 20' AGL/119' MSL.

NOTE: RWY 24, TREES BEGINNING AT DER, 400' LEFT AND RIGHT OF CENTERLINE, UP TO 20' AGL/94' MSL.

(4) CONTROLLING OBSTACLES:

RWY 6, 24: 1999 AAO 664829.72N/1604123.62W.

QUALITY
2
CHECKED

(5) City, State

NOORVIK, AK

(6) Airport

ROBERT/BOB/CURTIS MEMORIAL

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

ORIG

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:
RWY 1, 19 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 1, TREES BEGINNING 1184' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/229' MSL. NOTE: RWY 19, TREES BEGINNING 654' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/229' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
2
CHECKED

(5) City, State

LAKE VILLAGE, AR

(6) Airport

LAKE VILLAGE MUNI

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

ORIG

GRAPHIC DEPARTURE PROCEDURE (DP)



OBSTACLE



SID



RNAV

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

(1) DP Route Description: **TAKEOFF RWYS 12L/C/R:** CLIMB TO 2700 VIA IWA VORTAC R-122 THEN RIGHT TURN DIRECT PXR VORTAC.
TAKEOFF RWYS 30L/C/R: CLIMBING RIGHT TURN TO 4000 DIRECT IWA VORTAC AND IWA VORTAC R-122 THEN RIGHT TURN DIRECT PXR VORTAC.

(2) Transition Routes (Graphic Depiction Only)

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

(3) Procedural Data Notes / Takeoff Minimums:

TAKEOFF MINIMUMS:

RWY 12L, 12C, 12R, 30L, 30C, 30R STANDARD

(4) Takeoff Obstacle Notes: NOTE: RWY 30L/C/R, TREES BEGINNING 351' FROM DER, 351' LEFT OF CENTERLINE, UP TO 20' AGL/1,359' MSL. TREES BEGINNING 689' FROM DER, 398' RIGHT OF CENTERLINE, UP TO 20' AGL/1,359' MSL.

(5) Controlling Obstacles: **RWY 12L/C/R:** 3304 MSL AAO 331027.80N-1114231.78W.
RWY 30L/C/R: 7857 MSL AAO 334116.60N-1111908.60W.

(6) Fixes and/or NAVAID'S : IWA VORTAC, PXR VORTAC

(7) DP Name PHOENIX	(8) Number ONE	(9) DP Computer Code PXR1.PXR	(10) Superseded Number NONE	(11) Dated	(12) Effective Date 11 FEB 2010
------------------------	-------------------	----------------------------------	--------------------------------	------------	------------------------------------

(13) Airports ServedAirport Name **PHOENIX-MESA GATEWAY**City/State **PHOENIX, AZ**

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:** CTAF, ATIS, CLNC DEL, GND CON, TWR, DEP CON**(16) Additional Flight Data:****(17) Continuation:****(7) DP Name**

PHOENIX

(8) Number

ONE

(9) DP Computer Code

PXR1.PXR

(10) Superseded Number

NONE

(11) Dated**(12) Effective Date**

11 FEB 2010

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

(2) TEXTUAL DEPARTURE PROCEDURE: USE PHOENIX DEPARTURE

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

(5) City, State

PHOENIX, AZ

(6) Airport

PHOENIX-MESA GATEWAY

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

1

GRAPHIC DEPARTURE PROCEDURE (DP)



OBSTACLE



SID



RNAV

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

(1) DP Route Description: TAKEOFF RWY 3, CLIMBING LEFT TURN TO 4000 VIA HEADING 220 AND PXR R-321 SOUTHEAST BOUND TO PXR VORTAC. THENCE... OR, FOR CLIMB IN VISUAL CONDITIONS: CROSS SCOTTSDALE AIRPORT AT OR ABOVE 4500 BEFORE PROCEEDING ON COURSE.

TAKEOFF RWY 21, CLIMBING RIGHT TURN TO 4000 VIA HEADING 275 AND PXR R-321 NORTHWEST BOUND, WHEN ESTABLISHED ON PXR R-321 NORTHWEST BOUND AND REACHING 4000, LEFT TURN DIRECT PXR VORTAC. THENCE... OR, FOR CLIMB IN VISUAL CONDITIONS: CROSS SCOTTSDALE AIRPORT AT OR ABOVE 4500 BEFORE PROCEEDING ON COURSE.

...CONTINUE CLIMB ON COURSE

(2) Transition Routes (Graphic Depiction Only)

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

(3) Procedural Data Notes / Takeoff Minimums:

TAKEOFF MINIMUMS:

RWY 3, STANDARD WITH MINIMUM CLIMB OF 440 FEET PER NM TO 4000, OR 3100-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 21, STANDARD WITH MINIMUM CLIMB OF 215 FEET PER NM TO 4000, OR 3100-3 FOR CLIMB IN VISUAL CONDITIONS.

(4) Takeoff Obstacle Notes: NOTE: RWY 3, MULTIPLE LIGHT STANDARDS BEGINNING 63' FROM DER, 445' LEFT OF CENTERLINE, UP TO 44' AGL/1554' MSL. HOIST ON DIKE 878' FROM DER, 735' LEFT OF CENTERLINE, 51' AGL/1561' MSL. DIKE BEGINNING 1066' FROM DER, 316' LEFT OF CENTERLINE, 38' AGL/1548' MSL. DAY MARKER ON DIKE, 1230' FROM DER, 5' LEFT OF CENTERLINE, 39' AGL/1549' MSL. TREE 765' FROM DER, 115' LEFT OF CENTERLINE, 22' AGL/1532' MSL. (CONT'D)

(5) Controlling Obstacles: RWY 3: 2754 AAO 334109.00N-1115152.00W

RWY 21: 2187 AAO 333400.24N-1115929.93W

VCOA: 2735 AAO 333903.94N-1115011.15W, 4234 AAO 333933.43N-1114903.21W

(6) Fixes and/or NAVAID'S :

(7) DP Name

MARICOPA

(8) Number

ONE

(9) DP Computer Code

MRRIC1.PXR

(10) Superseded Number

NONE

(11) Dated

(12) Effective Date

11 FEB 2010

QUALITY
CHECKED

(13) Airports Served						
Airport Name SCOTTSDALE			City/State SCOTTSDALE, AZ			
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: SDL ATCT, PHX APP CON, ZBQ, SDL ATIS, PRC FSS						
(16) Additional Flight Data:						
(17) Continuation: TAKEOFF OBSTACLE NOTES (CONT'D): ROAD BEGINNING 647' FROM DER, 296' LEFT OF CENTERLINE, 19' AGL/1529' MSL. FENCE BEGINNING 5' FROM DER, 338' RIGHT OF CENTERLINE, 6' AGL/1511' MSL. LIGHT STANDARD 1013' FROM DER, 430' RIGHT OF CENTERLINE, 44' AGL/1552' MSL. NOTE: RWY 21, TREES 1072' FROM DER, 426' RIGHT OF CENTERLINE, 53' AGL/1497' MSL. BUILDING 316' FROM DER, 537' RIGHT OF CENTERLINE, 23' AGL/1467' MSL. TREE 2087' FROM DER, 418' LEFT OF CENTERLINE, 61' AGL/1505' MSL. TREE 1432' FROM DER, 438' RIGHT OF CENTERLINE, 38' AGL/1482' MSL. TREE 2234' FROM DER, 559' LEFT OF CENTERLINE, 58' AGL/1502' MSL.						
(7) DP Name		(8) Number	(9) DP Computer Code	(10) Superseded Number	(11) Dated	(12) Effective Date
MARICOPA		ONE	MRRIC1.PXR	NONE		11 FEB 2010

QUALITY
9
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet VR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 6.80 MILES AFTER LEMON INT/I-SNA 7.94 DME OR AT I-SNA 1.14 DME FIX CLIMB TO 3000 VIA I-SNA SOUTH COURSE TO MINOE INT/I-SNA 10.88 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 013.91 INBOUND. CHART FAS OBST: 127 TREE 334109N/1175156W CHART 749 TREE 334648N/1174800W. CHART 972 POLE 334650N/1174656W CHART VDP AT 2.24 DME; DISTANCE VDP TO THLD 1.10 MILES.	
SLI VORTAC	SAGER INT/I-SNA 17.32 DME	049.22 / 18.94	4000		
POM VORTAC (IAF)	SAGER INT/I-SNA 17.32 DME (NOPT)	143.73 / 10.16	3500		
SAGER INT/I-SNA 17.32 DME (IF/IAF)	SNAKE INT/I-SNA 11.40 DME	193.92 / 5.93 (I-SNA)	3400**		
SNAKE INT/I-SNA 11.40 DME	LEMON INT/I-SNA 7.94 DME	193.92 / 3.45 (I-SNA)	2300		
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N SAGER, RT, 193.92 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>193.92</u> FAF: <u>LEMON INT/I-SNA 7.94 DME</u> DIST FAF TO MAP: <u>6.80</u> THLD: <u>6.80</u> 4. MIN. ALT: <u>SAGER 3500, SNAKE 3400**, LEMON INT/I-SNA 7.94 DME 2300, DYERS INT/I-SNA 4.12 DME 1040##</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u>0.49</u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>887</u> 6. MIN GS INCPT: <u>2300</u> GS ALT AT: <u>LEMON 2300</u> OM: <u> </u> MM: <u>248</u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.9</u> 8. MSA FROM: <u>NA LMM 045-135 7000, 135-315 2700, 315-045 5300</u>				MAG VAR: 14E EPOCH YEAR: 1990	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: \$ LOC: @
CATEGORY >>>>>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 19R	*255	2400	200	*255	2400
S-LOC 19R	1040	4000	985	1040	5000
CIRCLING	1040	1 1/4	984	1040	1 1/2
DYERS FIX MINIMUMS					
S-LOC 19R	440	2400	385	440	2400
CIRCLING	640	1	584	640	1 1/2
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. *LOC ONLY #1080 WHEN USING FULLERTON ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FULLERTON ALTIMETER SETTING AND SEE 8260-10					
CITY AND STATE		ELEVATION: 56 TDZE: 55		FACILITY IDENTIFIER: I-SNA	
SANTA ANA, CA		AIRPORT NAME: JOHN WAYNE-ORANGE COUNTY		PROCEDURE NO/AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 19R, AMDT 12 11 FEB 2010	
SUP:		AMDT: 11B		DATED 04/10/2008	

QUALITY
7
CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

INCREASE ALL DA 36 FEET AND ALL MDA 40 FEET, AND INCREASE DYERS FIX MINIMUMS S-LOC 19R AND CIRCLING CAT C VISIBILITIES 1/4 MILE.

CHART NOTE: *RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA

CHART PROFILE NOTE: ** WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 3400.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON POMONA VORTAC AIRWAY RADIALS 112 CW 187.

CHART NOTE: VDP NA WHEN USING FULLERTON ALTIMETER SETTING.

CITY AND STATE

SANTA ANA, CA

ELEVATION: 56

TDZE: 55

AIRPORT NAME:

JOHN WAYNE-ORANGE COUNTY

FACILITY
IDENTIFIER:
I-SNA

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 19R, AMDT 12

11 FEB 2010

SUP:

AMDT: 11B

DATED: 04/10/2008

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 2, STANDARD

RWY 6, STANDARD

RWY 20, STANDARD

RWY 24, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 428 FEET PER NM TO 4500.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 2 - CLIMBING LEFT TURN DIRECT BYI VOR/DME, CONTINUE CLIMB IN BYI VOR/DME HOLDING PATTERN (HOLD NW RIGHT TURNS, 125.00° INBOUND) TO CROSS BYI VOR/DME AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

RWY 6 - CLIMBING LEFT TURN DIRECT BYI VOR/DME, CONTINUE CLIMB IN BYI VOR/DME HOLDING PATTERN (HOLD NW RIGHT TURNS, 125.00° INBOUND) TO CROSS BYI VOR/DME AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

RWY 20 - CLIMBING RIGHT TURN DIRECT BYI VOR/DME, CONTINUE CLIMB IN BYI VOR/DME HOLDING PATTERN (HOLD NW RIGHT TURNS, 125.00° INBOUND) TO CROSS BYI VOR/DME AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

RWY 24 - CLIMBING RIGHT TURN DIRECT BYI VOR/DME, CONTINUE CLIMB IN BYI VOR/DME HOLDING PATTERN (HOLD NW RIGHT TURNS, 125.00° INBOUND) TO CROSS BYI VOR/DME AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 2, OL ON BRIDGE 252' FROM DER, 513' LEFT OF CENTERLINE, 57' AGL/4195' MSL. TREES BEGINNING 686' FROM DER, 201' RIGHT OF CENTERLINE, UP TO 35' AGL/4184' MSL. TREE 694' FROM DER, 375' LEFT OF CENTERLINE, 29' AGL/4178' MSL. OL ON BLDG 736' FROM DER, 188' LEFT OF CENTERLINE, 11' AGL/4161' MSL. TOWER 803' FROM DER, 590' LEFT OF CENTERLINE, 55' AGL/4204' MSL. VEHICLES ON ROAD BEGINNING 857' FROM DER, 1' RIGHT OF CENTERLINE, UP TO 17' AGL/4168' MSL. POLES BEGINNING 1226' FROM DER, 549' LEFT OF CENTERLINE, UP TO 72' AGL/4222' MSL. BLDG VENT 1240' FROM DER, 164' LEFT OF CENTERLINE, 27' AGL/4177' MSL. STACK 2206' FROM DER, 856' RIGHT OF CENTERLINE, 86' AGL/4236' MSL. STACK 2573' FROM DER, 614' LEFT OF CENTERLINE, 86' AGL/4236' MSL. ELEVATORS BEGINNING 3980' FROM DER, 131' RIGHT OF CENTERLINE, UP TO 133' AGL/4283' MSL. SEE 8260-15D.

(4) CONTROLLING OBSTACLES:

RWY 24: 4317' MSL GRAIN ELEVATOR 423223.74N/1134732.21W, 4344' MSL OL MAST ON GRAIN 423213.55N/1134819.02W.
HOLDING: 5274' MSL AAO 424543.80N/1135349.05W.

QUALITY
5
CHECKED

(5) City, State BURLEY, ID	(6) Airport BURLEY MUNICIPAL	(7) Effective Date 11 FEB 2010	(8) Amdt. No. 5
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION) FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

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

(3) TAKEOFF OBSTACLE NOTES CONTINUED:

NOTE: RWY 6, TREES BEGINNING 46' FROM DER, 172' RIGHT OF CENTERLINE, UP TO 14' AGL/4163' MSL. RISING TERRAIN BEGINNING 49' FROM DER, 326' RIGHT OF CENTERLINE, UP TO 4149' MSL. BUSH 150' FROM DER, 103' RIGHT OF CENTERLINE, 5' AGL/4147' MSL. ANTENNA 586' FROM DER, 398' LEFT OF CENTERLINE, 15' AGL/4165' MSL. OL ON BRIDGE 1061' FROM DER, 80' RIGHT OF CENTERLINE, 39' AGL/4179' MSL.

NOTE: RWY 20, OL POLE 42' FROM DER, 124' LEFT OF CENTERLINE, 18' AGL/4170' MSL. RAILROAD BEGINNING 65' FROM DER, 4' LEFT OF CENTERLINE, UP TO 23' AGL/4177' MSL. SIGN 181' FROM DER, 121' RIGHT OF CENTERLINE, 18' AGL/4172' MSL. VEHICLES ON ROAD 162' FROM DER, 2' LEFT OF CENTERLINE, 17' AGL/4169' MSL. VEHICLES ON ROAD BEGINNING 335' FROM DER 348' RIGHT OF CENTERLINE UP TO 17' AGL/4171' MSL. POLE 446' FROM DER, 210' RIGHT OF CENTERLINE, 26' AGL/4180' MSL. ANTENNA 523' FROM DER, 337' RIGHT OF CENTERLINE, 63' AGL/4217' MSL. TREE 586' FROM DER, 213' RIGHT OF CENTERLINE, 28' AGL/4182' MSL. TREES BEGINNING 2014' FROM DER, 339' LEFT OF CENTERLINE, UP TO 96' AGL/4251' MSL.

NOTE: RWY 24, VEHICLES ON ROAD BEGINNING 25' FROM DER, 9' LEFT OF CENTERLINE, UP TO 15' AGL/4169' MSL. FENCE 58' FROM DER, 8' LEFT OF CENTERLINE, 4' AGL/4154' MSL. RISING TERRAIN BEGINNING 69' FROM DER, 201' RIGHT OF CENTERLINE, UP TO 4154' MSL. RAILROAD 152' FROM DER, 6' LEFT OF CENTERLINE, 23' AGL/4176' MSL. TREES BEGINNING 427' FROM DER, 101' RIGHT OF CENTERLINE, UP TO 69' AGL/4223' MSL. VEHICLES ON ROAD BEGINNING 509' FROM DER, 586' RIGHT OF CENTERLINE, UP TO 15' AGL/4169' MSL. RAILROAD BEGINNING 568' FROM DER, 288' RIGHT OF CENTERLINE, UP TO 23' AGL/4177' MSL. POLE 735' FROM DER, 185' LEFT OF CENTERLINE, 18' AGL/4172' MSL. LIGHT STANDARD 824' FROM DER, 58' RIGHT OF CENTERLINE, 23' AGL/4177' MSL. ANTENNA 1630' FROM DER, 112' LEFT OF CENTERLINE, 58' AGL/4212' MSL. TOWER 2766' FROM DER, 175' LEFT OF CENTERLINE, 123' AGL/4282' MSL. TOWER 3570' FROM DER, 158' RIGHT OF CENTERLINE, 157' AGL/4312' MSL. OL ON ELEVATORS BEGINNING 3115' FROM DER, 164' LEFT OF CENTERLINE, UP TO 184' AGL/4344' MSL.

QUALITY
CHECKED

City, State BURLEY, ID		Airport BURLEY MUNICIPAL			Effective Date 11 FEB 2010	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 05, 23 NA - ENVIRONMENTAL.

RWY 18, 500 - 2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 1700.

RWY 36, 300 - 2 OR STANDARD WITH MINIMUM CLIMB OF 234 FT PER NM TO 1500.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 18 - CLIMB HEADING 188.65 TO 2200 BEFORE TURNING RIGHT.

RWY 36 - CLIMB HEADING 008.64 TO 2000 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, NUMEROUS TOWERS AND POLES BEGINNING 909' FROM DER, 389' LEFT OF CENTERLINE, UP TO 135' AGL/1,432' MSL. TANK 1.1 NM FROM DER, 1,895' LEFT OF CENTERLINE, 148' AGL/1,410' MSL. ANTENNA 1.9 NM FROM DER, 478' LEFT OF CENTERLINE, 75' AGL/ 1,426' MSL. NUMEROUS TOWERS AND TREES BEGINNING 28' FROM DER, 437' RIGHT OF CENTERLINE, UP TO 320' AGL/1,540' MSL.

NOTE: RWY 36, TREE 540' FROM DER, 6' LEFT OF CENTERLINE, 100' AGL/1,164' MSL. TREES BEGINNING 2,531' FROM DER, 397' RIGHT OF CENTERLINE, UP TO 100' AGL/ 1,164' MSL. BUILDING 54' FROM DER, 435' LEFT OF CENTERLINE, 30' AGL/1,165' MSL.

(4) CONTROLLING OBSTACLES:

RWY 18: 1,361' MSL TREE 390138.35N/0965115.00W, 1,540' MSL TOWER 390015.00N/0965145.00W, 1,960' MSL TOWER 390050.40N/0965215.90W.

RWY 36: 1,376' MSL TREE 390428.75N/0964939.47W, 1,730' MSL ANTENNA 390547.87N/0964752.90W, 1,960' MSL TOWER 390050.40N/0965215.90W.

(5) City, State

JUNCTION CITY, KS

(6) Airport

FREEMAN FIELD

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

2

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 11 FEB 2010



CITY AND STATE FORT MEADE (ODENTON), MD	ELEVATION: 150 TDZE: 150	FACILITY IDENTIFIER: BUH	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 10, AMDT 1, 10/25/2007	SUP	
	AIRPORT NAME: COL WILLIAM F.(SHORTY) TIPTON			AMDT	ORIG
				DATE	10/03/2002

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: GYL NDB CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT GYL NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 312.54 INBOUND. FAS OBST: 1219 AAO 444303N/0940045W FAC CROSSES RWY C/L EXTENDED 2993 FROM THLD.											
FCM VOR/DME	GYL NDB	261.21 / 27.75	3000												
BEEGR INT	GYL NDB	029.27 / 15.45	3000												
1. PT <u> L </u> SIDE OF COURSE <u> 132.54 </u> OUTBOUND <u> 3000 </u> FT WITHIN <u> 10 </u> MILES OF <u> GYL NDB </u> (IAF) 2. _____ 3. FAC <u> 312.54 </u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: GYL NDB 2800					MAG VAR: 3E EPOCH YEAR: 2000										
MINIMUMS															
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE:	NA	☒						
CATEGORY >>>>>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-31	1580	1	589	1580	1	589		NA			NA				
CIRCLING	1580	1	588	1580	1	588		NA			NA				
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HUTCHISON ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.															
CITY AND STATE		ELEVATION: 992 TDZE: 991		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP					
GLENCOE, MN		AIRPORT NAME:		GYL		NDB RWY 31, AMDT 1, 02/11/2010				AMDT ORIG					
		GLENCOE MUNI				11 FEB 2010				DATE 09/09/1999					

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: 5.10 MILES AFTER LAAKE OM/INT CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2800 DIRECT FGT VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 3000 VIA HEADING 294 AND GEP R-182 TO LYDIA INT/32.57 DME AND HOLD S, RT, 002.00 INBOUND. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD E, LT, 265.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD S LYDIA INT/32.57 DME, RT, 002.00 INBOUND. CHART FAS OBST: 1139 TREE 443515N/0930843W CHART IN PLANVIEW: LYDIA INT/32.57 DME.											
FGT VORTAC	LAAKE OM/INT	127.24 / 3.85	2700												
1. PT <u>R</u> SIDE OF COURSE <u>114.43</u> OUTBOUND <u>2700</u> FT WITHIN <u>10</u> MILES OF <u>LAAKE OM</u> (IAF) 2. _____ 3. FAC: <u>294.43</u> FAF: <u>LAAKE OM/INT</u> DIST FAF TO MAP: <u>5.10</u> THLD: <u>5.10</u> 4. MIN. ALT: <u>FGT VORTAC 2700</u> 5. DIST TO THLD FROM OM: <u>5.10</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>678</u> 6. MIN GS INCPT: <u>2700</u> GS ALT AT: <u>GS INTCP</u> OM: <u>2615</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>36.7</u> 8. MSA FROM: <u>FGT VORTAC 3500</u>				MAG VAR: 3E EPOCH YEAR: 1995											
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 30	1208	3/4	250	1208	3/4	250	1208	3/4	250	1208	3/4	250			
S-LOC 30	1400	3/4	442	1400	3/4	442	1400	3/4	442	1400	1	442			
CIRCLING	1500	1	540	1500	1	540	1500	1	540	1520	2	560			
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC CATS A AND B VISIBILITY TO 1.															
CITY AND STATE MINNEAPOLIS, MN		ELEVATION: 960 TDZE: 958 AIRPORT NAME: AIRLAKE		FACILITY IDENTIFIER: ILVN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 30, ORIG-D 11 FEB 2010				SUP: AMDT: ORIG-C DATED 03/12/2009					



TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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(1) TAKEOFF MINIMUMS:

RWY 18, 27, 36, STANDARD.

RWY 9, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 204 FT PER NM TO 1200, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DEPARTURE END OF RUNWAY.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 9 - CLIMB HEADING 088.70 TO 2200 BEFORE TURNING RIGHT.

RWY 18 - CLIMB HEADING 178.68 TO 2600 BEFORE TURNING LEFT.

RWY 27 - CLIMB HEADING 268.71 TO 1700 BEFORE PROCEEDING SOUTHEAST BOUND.

RWY 36 - CLIMB HEADING 358.68 TO 1700 BEFORE PROCEEDING SOUTHEAST BOUND.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, TANK AND MULTIPLE TREES BEGINNING 822' FROM DER, 619' RIGHT OF CENTERLINE, UP TO 170' AGL/1082' MSL. TREES 2248' FROM DER, 966' LEFT OF CENTERLINE, 100' AGL/1009' MSL.

NOTE: RWY 18, AIRCRAFT ON TAXIWAY 36' FROM DER, 481' RIGHT OF CENTERLINE, UP TO 21' AGL/928' MSL. MULTIPLE TREES BEGINNING 406' FROM DER, 287' LEFT OF CENTERLINE, UP TO 49' AGL/959' MSL.

NOTE: RWY 27, MULTIPLE TREES BEGINNING 7' FROM DER, 235' RIGHT OF CENTERLINE, UP TO 83' AGL/983' MSL. MULTIPLE TREES BEGINNING 558' FROM DER, 406' LEFT OF CENTERLINE, UP TO 57' AGL/957' MSL. (CONT.)

(4) CONTROLLING OBSTACLES:

RWY 9: 1082 MSL TANK 450827.28N/0931028.46W, 2438 MSL TOWER 450345.00N/0930822.00W.

RWY 18, 27, 36: 2438 MSL TOWER 450345.00N/0930822.00W.



(5) City, State MINNEAPOLIS, MN	(6) Airport ANOKA COUNTY-BLAINE ARPT (JANES FIELD)	(7) Effective Date 11 FEB 2010	(8) Amdt. No. 5
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
DEPARTURE PROCEDURE (CONTINUATION FAA FORM 8260-15A
FLIGHT STANDARDS SERVICE

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

(3) TAKEOFF OBSTACLE NOTES: (CONT.)

NOTE: RWY 36, MULTIPLE TREES BEGINNING 86' FROM DER, 10' RIGHT OF CENTERLINE, UP TO 87' AGL/987' MSL. MULTIPLE TREES BEGINNING 1282' FROM DER, 53' LEFT OF
CENTERLINE, UP TO 70' AGL/970' MSL.

QUALITY
CHECKED

City, State MINNEAPOLIS, MN		Airport ANOKA COUNTY-BLAINE ARPT (JANES FIELD)		Effective Date 11 FEB 2010	Amdt. No. 5
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective 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: 6.90 MILES AFTER SMITE LOM/INT
CFB VORTAC	SMITE LOM/INT	116.13 / 11.38	3900	CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 3900 DIRECT CFB VORTAC AND HOLD OR WHEN DIRECTED BY ATC, CLIMB TO 2200 THEN CLIMBING LEFT TURN TO 3900 DIRECT SMITE LOM AND HOLD S, RT, 340.31 INBOUND (ADF REQUIRED).
GROWS INT	SMITE LOM/INT	226.84 / 14.95	3900	
LHY VORTAC (IAF)	LATTY INT (NOPT)	345.34 / 34.69	4300	
LATTY INT (IF)	SMITE LOM/INT	340.31 / 7.30 (I-BGM)	3900	
				ADDITIONAL FLIGHT DATA: HOLD W, LT, 094.84 INBOUND. CHART FAS OBST: 1615 TREE 421208N/0755811W

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S SMITE LOM, RT, 340.31 INBOUND, 3900 FT. IN LIEU OF PT (IAF)
- FAC: 340.31 FAF: SMITE LOM/INT DIST FAF TO MAP: 6.90 THLD: 6.90
- MIN. ALT: SMITE LOM 3900
- DIST TO THLD FROM OM: 6.90 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 703
- MIN GS INCPT: 3900 GS ALT AT: GS INTCP OM: 3854 MM: - IM: -
- GS ANGLE: 3.00 TCH: 44.2
- MSA FROM: BG LOM 4000

MAG VAR: 12W EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A			ILS: STANDARD #			LOC: STANDARD @			
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 34	1800	2400	200	1800	2400	200	1800	2400	200	1800	2400	200				
S-LOC 34	1940	2400	340	1940	2400	340	1940	2400	340	1940	4000	340				
CIRCLING	2120	1	484	2120	1	484	2120	1 1/2	484	2200	2	564				

NOTES:
CHART PROFILE NOTE: VGSI AND ILS GLIDE PATH NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ITHACA ALTIMETER SETTING AND INCREASE ALL DA 138 FT AND ALL MDA 140 FT, INCREASE S-ILS ALL CATS, S-LOC AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

@ NA WHEN CONTROL TOWER CLOSED.
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE BINGHAMTON, NY	ELEVATION: 1636 TDZE: 1600 AIRPORT NAME: GREATER BINGHAMTON/EDWIN A LINK FIELD	FACILITY IDENTIFIER: I-BGM	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 34, AMDT 3 11 FEB 2010	SUP: ILS RWY 34 AMDT: 2A DATED 08/03/2006
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QUALITY
CHECKED

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: FOR INOPERATIVE MALSR INCREASE S-LOC 34 CAT D VISIBILITY TO RVR 5000.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ITHACA ALTIMETER SETTING, INCREASE S-ILS ALL CATS VISIBILITY TO RVR 6000.

QUALITY
CHECKED

CITY AND STATE

BINGHAMTON, NY

ELEVATION: 1636

TDZE: 1600

AIRPORT NAME:

GREATER BINGHAMTON/EDWIN A LINK FIELD

FACILITY
IDENTIFIER:

I-BGM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 34, AMDT 3

11 FEB 2010

SUP: ILS RWY 34

AMDT: 2A

DATED: 08/03/2006

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									
GROWS	UYOGA (FB)	305.41 / 15.20	4400	LPV: DA LNAV/VNAV: DA LNAV: RW16 CLIMB TO 4000 DIRECT WUSOB AND HOLD.								
VILCU	TODDY (FB)	110.90 / 19.36	4400									
TODDY (IAF)	SOCOP (FB)	070.17 / 5.00	3900	ADDITIONAL FLIGHT DATA: HOLD S, RT, 340.41 INBOUND. CHART FAS OBST: 1643 ANTENNA 421312N/0755911W CHART FAS OBST: 1799 TREE 421312N/0755842W DISTANCE TO THLD FROM 250 HAT: 0.62 NM. CHART VDP AT 1.15 MILES TO RW16* 'LNAV ONLY. WAAS CHANNEL # 66015 REFERENCE PATH ID: W16A								
UYOGA (IAF)	SOCOP (FB)	250.29 / 5.00	3900									
SOCOP (IF)	REPIE (FB)	160.23 / 6.02	3100									
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT SOCOP 3. FAC: 160.27 FAF: REPIE DIST FAF TO MAP: 4.38 THLD: 4.38 4. MIN. ALT: SOCOP 3900, REPIE 3100 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 3100 GS ALT AT: REPIE OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 52.7 34:1 IS NOT CLEAR 8. MSA FROM: RW16 3600				MAG VAR: 12W EPOCH YEAR: 1995								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1884	3/4	250	1884	3/4	250	1884	3/4	250	1884	3/4	250
LNAV/VNAV DA	1984	3/4	350	1984	3/4	350	1984	3/4	350	1984	3/4	350
LNAV MDA	2060	3/4	426	2060	3/4	426	2060	3/4	426	2060	1	426
CIRCLING	2120	1	484	2120	1	484	2120	1 1/2	484	2200	2	564
NOTES: CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 34 NA AT NIGHT. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 45C (113F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10												
CITY AND STATE		ELEVATION: 1636 TDZE: 1634		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
BINGHAMTON, NY		AIRPORT NAME:				RNAV (GPS) RWY 16, AMDT 1		AMDT: ORIG				
		GREATER BINGHAMTON/EDWIN A LINK FIELD				11 FEB 2010		DATED 08/05/2004				

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

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

NOTES CONT.**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VILCU VIA V252 NORTHWEST BOUND AND V428
SOUTHWEST BOUND AND ARRIVAL AT GROVS VIA V542 EASTBOUND, AND V153 SOUTHBOUND.****CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ITHACA ALTIMETER SETTING AND INCREASE
ALL DA 138 FT AND ALL MDA 140 FT AND INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE AND LNAV AND
CIRCLING CATS C AND D VISIBILITY 1/4 MILE.****CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV CATS A, C AND D VISIBILITY 1/4 MILE.****CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ITHACA ALTIMETER SETTING INCREASE LPV ALL CATS
VISIBILITY 1/2 MILE, LNAV CATS A AND B VISIBILITY 1/4 MILE.****CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ITHACA ALTIMETER SETTING.**

QUALITY
CHECKED

CITY AND STATE
BINGHAMTON, NY

ELEVATION: 1636 TDZE: 1634
AIRPORT NAME:
GREATER BINGHAMTON/EDWIN A LINK FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 16, AMDT 1
11 FEB 2010

SUP:
AMDT: ORIG
DATED: 08/05/2004

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBGM
RUNWAY RW16
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W16A
LTP/FTP LATITUDE 421305.0795N
LTP/FTP LONGITUDE 0755909.1285W
LTP/FTP ELLIPSOIDAL HEIGHT +04656
FPAP LATITUDE 421208.7700N
FPAP LONGITUDE 0755822.3700W
THRESHOLD CROSSING HEIGHT (TCH) 00052.7
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 94.25
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

40F09342

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +04980
FPAP ORTHOMETRIC HEIGHT +04980

QUALITY
CHECKED

CITY AND STATE BINGHAMTON, NY	ELEVATION: 1636 TDZE: 1634 AIRPORT NAME: GREATER BINGHAMTON/EDWIN A LINK FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG
				DATED: 08/05/2004

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[illegible]

QUALITY
CHECK

CITY AND STATE BINGHAMTON, NY	ELEVATION: 1636 TDZE: 1634	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, AMDT 1 11 FEB 2010	SUP:	
	AIRPORT NAME: GREATER BINGHAMTON/EDWIN A LINK FIELD			AMDT:	ORIG
				DATED:	08/05/2004

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

CITY AND STATE BINGHAMTON, NY	ELEVATION: 1636 TDZE: 1634	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 16, AMDT 1	AMDT: ORIG
	GREATER BINGHAMTON/EDWIN A LINK FIELD		11 FEB 2010	DATED: 08/05/2004

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GROWS	GROWS	010		IF		FB				
	GROWS	UYOGA	020	IAF	TF		FB	2.0	305.4 (293T)	015.2	04400
	GROWS	SOCOP	030		TF		FB	1.0	250.3 (238T)	005.0	03900
	VILCU	VILCU	010		IF		FB				
	VILCU	TODDY	020	IAF	TF		FB	2.0	110.9 (099T)	019.4	04400
	VILCU	SOCOP	030		TF		FB	1.0	070.2 (058T)	005.0	03900
		SOCOP	010	FACF	IF		FB				03900
		REPIE	020	PAF	TF		FB	0.5	160.2 (148T)	006.0	03100
		RW16	030	MAP	TF		FO	0.3	160.3 (148T)	004.4	01687

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WUSOB	040		DF		FO	1.0			04000
	WUSOB	050		HM	R	FO	2.0	340.4 (328T)	004.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	GROWS	N421833.21	W0754157.58	N4218.554	W07541.960
	REPIE	N421649.99	W0760215.32	N4216.817	W07602.255
	SOCOP	N422156.20	W0760631.48	N4221.937	W07606.525
	TODDY	N421918.05	W0761215.29	N4219.301	W07612.255
	UYOGA	N422434.07	W0760047.19	N4224.568	W07600.787
	VILCU	N422220.71	W0763802.28	N4222.345	W07638.038
	WUSOB	N420057.27	W0754906.75	N4200.955	W07549.113
	RW16	N421305.08	W0755909.13	N4213.085	W07559.152

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16	01634	53

CITY AND STATE BINGHAMTON, NY	ELEVATION: 1636 TDZE: 1634	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, AMDT 1 11 FEB 2010	SUP:
	AIRPORT NAME: GREATER BINGHAMTON/EDWIN A LINK FIELD			AMDT: ORIG
				DATED: 08/05/2004

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
NOSEE	LABBE (FB)	037.21 / 24.80	4300	LNAV: RW28
OXFOR	REDCO (FB)	255.59 / 9.02	4200	
LABBE (IAF)	IPIPE (NOPT) (FB)	008.75 / 5.00	3500	CLIMBING RIGHT TURN TO 3500 DIRECT IPIPE AND HOLD.
REDCO (IAF)	IPIPE (NOPT) (FB)	188.75 / 5.00	3500	
IPIPE (IF/IAF)	FEBUT (FB)	278.75 / 6.08	3500	
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1749 TREE 421254N/0755615W CHART VDP AT 1.20 MILES TO RW28. FEBUT TO RW28 3.05/45

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. **HOLD E IPIPE, RT, 278.75 INBOUND, 3500 FT. IN LIEU OF PT (IAF)**
3. FAC: 278.66 FAF: FEBUT DIST FAF TO MAP: 5.82 THLD: 5.82
4. MIN. ALT: IPipe 3500, FEBUT 3500
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: RW28 3600

MAG VAR: 12W

EPOCH YEAR: 1995

MINIMUMS

[illegible]

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 34 NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OXFORD VIA V542 EASTBOUND.
SEE 8280-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE		ELEVATION: 1636 TDZE: 1587	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
BINGHAMTON, NY		AIRPORT NAME:		RNAV (GPS) RWY 28, AMDT 1	AMDT: ORIG
		GREATER BINGHAMTON/EDWIN A LINK FIELD		11 FEB 2010	DATED 08/05/2004

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

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NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NOSEE VIA V29 SOUTHBOUND AND V576 WESTBOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ITHACA ALTIMETER SETTING AND INCREASE ALL MDA 140 FT AND LNAV CAT C AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE AND LNAV CAT D VISIBILITY 1/2 MILE.

CHART NOTE: VDP NA WHEN USING ITHACA ALTIMETER SETTING.

QUALITY
9
CHECKED

CITY AND STATE

BINGHAMTON, NY

ELEVATION: 1636 TDZE: 1587

AIRPORT NAME:

GREATER BINGHAMTON/EDWIN A LINK FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

DATED: 08/05/2004

FLIGHT STANDARDS SERVICE - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KBGMK6FR28	AIPIPE	010IPIPEK6EA0EE	AR	HF		27880040	+	03500	18000		B	JS	
SUSAP	KBGMK6FR28	ANOSSE	010NOSEK6EA0E		IF					18000		B	JS	
SUSAP	KBGMK6FR28	ANOSSE	020LABBEK6EA0E	A	020TF		03720248	+	04300			B	JS	
SUSAP	KBGMK6FR28	ANOSSE	030IPIPEK6EA0EE		010TF		00880050	+	03500			B	JS	
SUSAP	KBGMK6FR28	AOXFOR	010OXFORK6EA0E		IF					18000		B	JS	
SUSAP	KBGMK6FR28	AOXFOR	020REDCOK6EA0E	A	020TF		25560090	+	04200			B	JS	
SUSAP	KBGMK6FR28	AOXFOR	030IPIPEK6EA0EE		010TF		18880050	+	03500			B	JS	
SUSAP	KBGMK6FR28	R	010IPIPEK6EA0E	I	IF			+	03500	18000		B	JS	
SUSAP	KBGMK6FR28	R	020FEBUTK6EA1E	F	051TF		27880061	+	03500		RW28	K6PGB	JS	
SUSAP	KBGMK6FR28	R	020FEBUTK6EA2WN			N	ALNAV						JS	
SUSAP	KBGMK6FR28	R	030RW28	K6PG0GY	M	031TF	27880058		01617		-305		B	JS
SUSAP	KBGMK6FR28	R	040IPIPEK6EA0EYM	R010DF				+	03500			B	JS	
SUSAP	KBGMK6FR28	R	050IPIPEK6EA0EE	R020HM			27880040	+	03500			B	JS	

[illegible]

CITY AND STATE
BINGHAMTON, NY

ELEVATION: 1636 TDZE: 1587
AIRPORT NAME:
GREATER BINGHAMTON/EDWIN A LINK FIELD

**FACILITY
IDENTIFIER:**
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 28, AMDT 1
11 FEB 2010

SUP:	
AMDT:	ORIG
DATED:	08/05/2004

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

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[illegible]

BINGHAMTON, NY

AIRPORT NAME:

GREATER BINGHAMTON/EDWIN A LINK FIELD

**FACILITY
IDENTIFIER:**
RNAV

RNAV (GPS) RWY 28, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

DATED: 08/05/2004

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	IPIPE	IPIPE	010	IAF	HF	R	FO		278.8 (267T)	004.0	03500
	NOSEE	NOSEE	010		IF		FB				
	NOSEE	LABBE	020	IAF	TF		FB	2.0	037.2 (025T)	024.8	04300
	NOSEE	IPIPE	030		TF		FB	1.0	008.8 (357T)	005.0	03500
	OXFOR	OXFOR	010		IF		FB				
	OXFOR	REDCO	020	IAF	TF		FB	2.0	255.6 (244T)	009.0	04200
	OXFOR	IPIPE	030		TF		FB	1.0	188.8 (177T)	005.0	03500
		IPIPE	010	FACF	IF		FB				03500
		FEBUT	020	FAF	TF		FB	0.5	278.8 (267T)	006.1	03500
		RW28	030	MAP	TF		FO	0.3	278.8 (267T)	005.8	01617

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	IPIPE	040		DF	R	FO	1.0			03500
	IPIPE	050		HM	R	FO	2.0	278.8 (267T)	004.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FEBUT	N421241.77	W0755024.69	N4212.696	W07550.412
	IPIPE	N421302.76	W0754214.46	N4213.046	W07542.241
	LABBE	N420803.13	W0754151.60	N4208.052	W07541.860
	NOSEE	N414537.37	W0755603.11	N4145.623	W07556.052
	OXFOR	N422203.81	W0753144.03	N4222.064	W07531.734
	REDCO	N421802.39	W0754237.38	N4218.040	W07542.623
	RW28	N421221.14	W0755813.64	N4212.352	W07558.227

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW28	01572	45

CITY AND STATE BINGHAMTON, NY	ELEVATION: 1636 TDZE: 1587	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 28, AMDT 1	AMDT: ORIG
	GREATER BINGHAMTON/EDWIN A LINK FIELD		11 FEB 2010	DATED: 08/05/2004

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									
YUTUG (IAF)	WUSOB (NOPT) (FB)	070.35 / 5.00	4000	LPV: DA LNAV/VNAV: DA LNAV: RW34 CLIMB TO 3900 DIRECT SOCOP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 160.23 INBOUND. CHART FAS OBST: 1732 ROD ON OL DOME 421159N/0755905W CHART FAS OBST: 1615 TREE 421208N/0755811W DISTANCE TO THLD FROM 200 HAT: 0.59 NM. CHART VDP AT 1.28 MILES TO RW34* *LNAV ONLY. WAAS CHANNEL # 93915 REFERENCE PATH ID: W34A								
ZUNGA (IAF)	WUSOB (NOPT) (FB)	250.47 / 5.00	4000									
WUSOB (IF/IAF)	WALUB (FB)	340.41 / 6.10	3900									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S WUSOB, RT, 340.41 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>340.37</u> FAF: <u>WALUB</u> DIST FAF TO MAP: <u>7.04</u> THLD: <u>7.04</u> 4. MIN. ALT: <u>WUSOB 4000, WALUB 3900</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>3900</u> GS ALT AT: <u>WALUB</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>44.2</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u> </u>				MAG VAR: 12W EPOCH YEAR: 1995								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @							
CATEGORY ==>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1800	2400	200	1800	2400	200	1800	2400	200	1800	2400	200
LNAV/VNAV DA	2082	6000	482	2082	6000	482	2082	6000	482	2082	6000	482
LNAV MDA	2040	2400	440	2040	2400	440	2040	4000	440	2040	5000	440
CIRCLING	2120	1	484	2120	1	484	2120	1 1/2	484	2200	2	564

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 46C (114F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGS AND RNAV GLIDEPATH NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ITHACA ALTIMETER SETTING AND INCREASE
 SEE 8260-10

CITY AND STATE BINGHAMTON, NY	ELEVATION: 1636 TDZE: 1600 AIRPORT NAME: GREATER BINGHAMTON/EDWIN A LINK FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, AMDT 1 11 FEB 2010	SUP: AMDT: ORIG DATED 08/05/2004
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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.

ALL DA 138 FEET AND ALL MDA 140 FEET, INCREASE LPV ALL CATS, LNAV CATS C AND D AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE, AND LNAV/VNAV ALL CATS VISIBILITY 1/2 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ITHACA ALTIMETER SETTING INCREASE LPV ALL CATS VISIBILITY TO RVR 6000.

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

TAA

	FROM	TO	ALT
1.	250/30 CW 353/30 (NOPT)	250/14 CW 353/14	5000
2.	353/30 CW 070/30 (NOPT)	353/14 CW 070/14	4600
	250/14 CW 070/14	WUSOB (IF/IAF) (FB)	4000
3.	070/30 CW 160/30	YUTUG (IAF) (FB)	4700
4.	160/30 CW 250/30	ZUNGA (IAF) (FB)	4500

CITY AND STATE

BINGHAMTON, NY

ELEVATION: 1636 TDZE: 1600

AIRPORT NAME:

GREATER BINGHAMTON/EDWIN A LINK FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

DATED: 08/05/2004

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBGM
RUNWAY RW34
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W34A
LTP/FTP LATITUDE 421208.7690N
LTP/FTP LONGITUDE 0755822.3695W
LTP/FTP ELLIPSOIDAL HEIGHT +04459
FPAP LATITUDE 421309.2900N
FPAP LONGITUDE 0755912.6400W
THRESHOLD CROSSING HEIGHT (TCH) 00044.2
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

0BBC519F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +04784
FPAP ORTHOMETRIC HEIGHT +04784



CITY AND STATE

BINGHAMTON, NY

ELEVATION: 1636 TDZE: 1600

AIRPORT NAME:

GREATER BINGHAMTON/EDWIN A LINK FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 34, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

DATED: 08/05/2004

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBGMK6FR34	AWUSOB	010WUSOBK6EA0EE	AR	HF		34040040		+ 04000	18000		A	JS
SUSAP	KBGMK6FR34	AYUTUG	010YUTUGK6EA0E	A	IF					18000		A	JS
SUSAP	KBGMK6FR34	AYUTUG	020WUSOBK6EA0EE	B	010TF		07040050		+ 04000			A	JS
SUSAP	KBGMK6FR34	AZUNGA	010ZUNGAK6EA0E	A	IF					18000		A	JS
SUSAP	KBGMK6FR34	AZUNGA	020WUSOBK6EA0EE	B	010TF		25050050		+ 04000			A	JS
SUSAP	KBGMK6FR34	R	010WUSOBK6EA0E	I	IF				+ 04000	18000		A	JS
SUSAP	KBGMK6FR34	R	020WALUBK6EA1E	F	051TF		34040061		+ 03900			A	JS
SUSAP	KBGMK6FR34	R	020WALUBK6EA2WALPV		ALNAV/VNAV ALNAV								JS
SUSAP	KBGMK6FR34	R	030RW34 K6PG0GY	M	031TF		34040070		01614	-300		A	JS
SUSAP	KBGMK6FR34	R	040SOCOPK6EA0EYM		010DF				+ 03900			A	JS
SUSAP	KBGMK6FR34	R	050SOCOPK6EA0EE		R020HM		16020040		+ 03900			A	JS

[illegible][illegible]

CITY AND STATE BINGHAMTON, NY	ELEVATION: 1636 TDZE: 1600 AIRPORT NAME: GREATER BINGHAMTON/EDWIN A LINK FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
			RNAV (GPS) RWY 34, AMDT 1	AMDT: ORIG
			11 FEB 2010	DATED: 08/05/2004

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: DUTAC/CFB 8.43 DME								
CFB VORTAC	UTUYU/CFB 19.88 DME	079.58 / 19.88	4100	CLIMB TO 3500 DIRECT CFB VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 076.62 INBOUND. CHART FAS OBST: 1749 TREE 421254N/0755615W CHART VDP AT 9.15 DME; DISTANCE VDP TO THLD 1.20 MILES. OCOLE TO RW28: 3.00/45. FAC CROSSES RWY C/L EXTENDED 3002 FROM THLD.								
HNK VOR/DME (IAF)	UTUYU/CFB 19.88 DME (NOPT)	316.13 / 21.89	3700									
RKA VOR/DME (IAF)	UTUYU/CFB 19.88 DME (NOPT)	252.52 / 24.27	3700									
UTUYU/CFB 19.88 DME (IF/IAF)	OCOLE/CFB 13.88 DME	259.58 / 6.00 (CFB R-080)	3500									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD <u>E</u> UTUYU, RT, 259.58 INBOUND, 3700 FT. IN LIEU OF PT (IAF) 3. FAC <u>259.58</u> FAF <u>OCOLE/CFB 13.88 DME</u> DIST FAF TO MAP <u> </u> THLD <u>5.92</u> 4. MIN. ALT <u>UTUYU 3700, OCOLE 3500</u> 8. MSA FROM: CFB VORTAC 180-270 3200, 270-180 3600					MAG VAR: 10W 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
S-28	2000	1	413	2000	1	413	2000	1 1/4	413	2000	1 1/4	413
CIRCLING	2120	1	484	2120	1	484	2120	1 1/2	484	2200	2	564
NOTES: CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RKA VOR/DME VIA V542 EASTBOUND. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HNK VOR/DME ON AIRWAY RADIALS 313 CW 344. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ITHACA ALTIMETER SETTING AND INCREASE ALL MDA 140 FT, S-28 CAT C AND CIRCLING CAT C AND D VISIBILITY 1/4 MILE, AND S-28 CAT D SEE 8260-10												
CITY AND STATE		ELEVATION: 1636 TDZE: 1587		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP			
BINGHAMTON, NY		AIRPORT NAME:		CFB		VOR/DME RWY 28, AMDT 11			AMDT 10			
		GREATER BINGHAMTON/EDWIN A LINK FIELD				11 FEB 2010			DATE 12/21/2006			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

VISIBILITY 1/2 MILE.

CHART PROFILE NOTE: VDP NA WHEN USING ITHACA ALTIMETER SETTING.



CITY AND STATE

BINGHAMTON, NY

ELEVATION: 1636 TDZE: 1587

AIRPORT NAME:

GREATER BINGHAMTON/EDWIN A LINK FIELD

FACILITY
IDENTIFIER:

CFB

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR/DME RWY 28, AMDT 11

11 FEB 2010

SUP:

AMDT: 10

DATED: 12/21/2006

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.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
PTD NDB (IAF)	DORIE INT (NOPT)	310.17 / 5.23 (MS LBRG-207)	2800	ILS: DA LOC: 5.37 MILES AFTER MISSE LOM CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 2300 DIRECT MISSE LOM AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 596 TOWER 445411N/0745301W CHART SYRACUSE 1 MOA. CHART FALCON 1 MOA, FALCON 3 MOA.
OGIVE LOM (IAF)	DORIE INT (NOPT)	089.68 / 15.84 (MS LBRG-236)	2800	
DORIE INT (IF)	MISSE LOM	045.22 / 6.43 (I-MSS)	2100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW MISSE LOM, LT, 045.22 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
- FAC: 045.22 FAF: MISSE LOM DIST FAF TO MAP: 5.37 THLD: 5.37
- MIN. ALT: MISSE LOM 2100
- DIST TO THLD FROM OM: 5.37 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1050
- MIN GS INCPT: 2100 GS ALT AT: GS INTCP OM: 1994 MM: - IM: -
- GS ANGLE: 3.00 TCH: 54.2
- MSA FROM: MS LOM 070-250 3800, 250-070 1900

MAG VAR: 14W

EPOCH YEAR: 1980

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 5		455	3/4	250	455	3/4	250	455	3/4	250	455	3/4	250			
S-LOC 5		800	1	595	800	1	595	800	1 1/2	595	800	1 3/4	595			
CIRCLING		800	1	578	800	1	578	800	1 1/2	578	900	2 1/4	678			

NOTES:
CHART NOTE: CIRCLING TO RWY 9-27 NA AT NIGHT.
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 23 NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: ADF REQUIRED.

SEE 8260-10

CITY AND STATE	ELEVATION: 222 TDZE: 205	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MASSENA, NY	AIRPORT NAME:	I-MSS	ILS OR LOC RWY 5, AMDT 3	AMDT: 2B
	MASSENA INTL-RICHARDS FIELD		11 FEB 2010	DATED 12/10/1992

QUALITY
6
CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SARANAC LAKE ALTIMETER SETTING AND INCREASE ALL DA 481 FEET AND ALL MDA 500 FEET; INCREASE S-ILS ALL CATS VISIBILITY 1 3/4 MILES AND S-LOC CAT A VISIBILITY 1/4 MILE, CAT B 1/2 MILE, CAT C 1 1/2 MILES AND CAT D 1 1/4 MILES; INCREASE CIRCLING CAT A VISIBILITY 1/4 MILE, CAT B 1/2 MILE, CAT C 1 1/2 MILES AND CAT D 3/4 MILE.

CHART PLANVIEW NOTE: ADF AND RADAR REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDESLOPE NOT COINCIDENT.

QUALITY
CHECKED

CITY AND STATE MASSENA, NY	ELEVATION: 222 TDZE: 205 AIRPORT NAME: MASSENA INTL-RICHARDS FIELD	FACILITY IDENTIFIER: I-MSS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 5, AMDT 3 11 FEB 2010	SUP:
				AMDT: 2B
				DATED: 12/10/1992

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES								MISSED APPROACH				
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW05 CLIMB TO 2500 DIRECT SALAS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 225.32 INBOUND. CHART FAS OBST: 596 TOWER 445411N/0745301W CHART FALCON 1 AND FALCON 3 MOA. CHART SYRACUSE 1 MOA. DISTANCE TO THLD FROM 290 HAT: 0.75 NM. CHART VDP AT 1.88 MILES TO RW05* *LNAV ONLY. WAAS CHANNEL # 70303 REFERENCE PATH ID: W05A				
APKAF (IAF)		DORIE (NOPT) (FB)		135.05 / 5.00		2800						
SETBE (IAF)		DORIE (NOPT) (FB)		315.19 / 5.00		2800						
DORIE (IF/IAF)		KOGHEY (FB)		045.12 / 6.10		2100						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW DORIE, LT, 045.12 INBOUND, 2800 FT. IN LIEU OF PT (IAF) 3. FAC: 045.17 FAF: KOGEY DIST FAF TO MAP: 5.70 THLD: 5.70 4. MIN. ALT: DORIE 2800, KOGEY 2100 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2100 GS ALT AT: KOGEY OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.2 34:1 IS NOT CLEAR 8. MSA FROM: _____								MAG VAR: 14W EPOCH YEAR: 1980				
MINIMUMS												
TAKEOFF: ☐ STANDARD ☒ X SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A				STANDARD @				
CATEGORY =====>		A		B		C		D		E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	495	1	290	495	1	290	495	1	290	495	1	290
LNAV/VNAV DA	968	2 3/4	763	968	2 3/4	763	968	2 3/4	763	968	2 3/4	763
LNAV MDA	860	1	655	860	1	655	860	1 3/4	655	860	2	655
CIRCLING	860	1	638	860	1	638	860	1 3/4	638	900	2 1/4	678
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 NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. SEE 8260-10												
CITY AND STATE MASSENA, NY		ELEVATION: 222 TDZE: 205 AIRPORT NAME: MASSENA INTL-RICHARDS FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, AMDT 1 11 FEB 2010				SUP: RNAV (GPS) Z RWY 5 AMDT: ORIG DATED 09/30/2004		

QUALITY
 &
 CHECKED

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

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

NOTES CONT.

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

CHART NOTE: CIRCLING TO RWY 9-27 NA AT NIGHT.

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 23 NA AT NIGHT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SARANAC LAKE ALTIMETER SETTING AND

INCREASE ALL DA 481 FEET AND ALL MDA 500 FEET; INCREASE LPV ALL CATS VISIBILITY 1 3/4 MILES, LNAV/VNAV ALL CATS VISIBILITY 2 1/4 MILES, LNAV CAT A VISIBILITY 1/4 MILE, CAT B 1/2 MILE, CAT C 1 1/4 MILES AND CAT D 1 MILE, AND INCREASE CIRCLING CAT A VISIBILITY 1/4 MILE, CAT B 1/2 MILE, CAT C 1 1/4 MILES AND CAT D 3/4 MILE.

TAA

	FROM	TO	ALT
1.	315/30 CW 135/30 (NOPT)	315/5 CW 135/5	4800
	315/5 CW 135/5	DORIE (IF/IAF) (FB)	2800
2.	135/30 CW 225/30	APKAF (IAF) (FB)	2800
3.	225/30 CW 315/30	225/6 CW 315/6	5600
	225/6 CW 315/6	SETBE (IAF) (FB)	3400

QUALITY
CHECKED

CITY AND STATE MASSENA, NY	ELEVATION: 222 TDZE: 205 AIRPORT NAME: MASSENA INTL-RICHARDS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, AMDT 1 11 FEB 2010	SUP: RNAV (GPS) Z RWY 5
				AMDT: ORIG
				DATED: 09/30/2004

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KMSS
RUNWAY RW05
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W05A
LTP/FTP LATITUDE 445548.1020N
LTP/FTP LONGITUDE 0745057.8270W
LTP/FTP ELLIPSOIDAL HEIGHT +00312
FPAP LATITUDE 445635.8200N
FPAP LONGITUDE 0745017.1000W
THRESHOLD CROSSING HEIGHT (TCH) 00054.2
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.25
LENGTH OFFSET 0016
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

55A9389C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00620
FPAP ORTHOMETRIC HEIGHT +00620

QUALITY
6
CHECKED

CITY AND STATE MASSENA, NY	ELEVATION: 222 TDZE: 205 AIRPORT NAME: MASSENA INTL-RICHARDS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, AMDT 1 11 FEB 2010	SUP: RNAV (GPS) Z RWY 5
				AMDT: ORIG
				DATED: 09/30/2004

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMSSK6FR05	AAPKAF	010APKAFK6EA0E	A	IF						18000		A JS	
SUSAP KMSSK6FR05	AAPKAF	020DORIEK6EA0EE	B	010TF		13510050		+ 02800				A JS	
SUSAP KMSSK6FR05	ADORIE	010DORIEK6EA0EE	AL	HF		04510040		+ 02800		18000		A JS	
SUSAP KMSSK6FR05	ASETBE	010SETBEK6EA0E	A	IF						18000		A JS	
SUSAP KMSSK6FR05	ASETBE	020DORIEK6EA0EE	B	010TF		31520050		+ 02800				A JS	
SUSAP KMSSK6FR05	R	010DORIEK6EA0E	I	IF				+ 02800		18000		A JS	
SUSAP KMSSK6FR05	R	020KOGYEYK6EA1E	F	051TF		04510061		+ 02100				A JS	
SUSAP KMSSK6FR05	R	020KOGYEYK6EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KMSSK6FR05	R	030RW05 K6PG0GY	M	031TF		04520057		00258		-300		A JS	
SUSAP KMSSK6FR05	R	040SALASCYEA0EYM		010DF				+ 02500				A JS	
SUSAP KMSSK6FR05	R	050SALASCYEA0EE	L020HM			22530040		+ 02500				A JS	

[illegible][illegible]

QUALITY CHECKED

CITY AND STATE MASSENA, NY	ELEVATION: 222 TDZE: 205	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) Z RWY 5
	AIRPORT NAME:		RNAV (GPS) RWY 5, AMDT 1	AMDT: ORIG
	MASSENA INTL-RICHARDS FIELD		11 FEB 2010	DATED: 09/30/2004

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	APKAF	APKAF	010	IAF	IF		FB				
	APKAF	DORIE	020	IF	TF		FB	1.0	135.1 (121T)	005.0	02800
	DORIE	DORIE	010	IAF	HF	L	FO		045.1 (031T)	004.0	02800
	SETBE	SETBE	010	IAF	IF		FB				
	SETBE	DORIE	020	IF	TF		FB	1.0	315.2 (301T)	005.0	02800
		DORIE	010	FACF	IF		FB				02800
		KOGEY	020	FAP	TF		FB	0.5	045.1 (031T)	006.1	02100
		RW05	030	MAP	TF		FO	0.3	045.2 (031T)	005.7	00258

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	SALAS	040		DF		FO	1.0			02500
	SALAS	050		HM	L	FO	2.0	225.3 (211T)	004.0	02500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	APKAF	N444817.23	W0750533.61	N4448.287	W07505.560
	DORIE	N444542.35	W0745932.88	N4445.706	W07459.548
	KOGEY	N445055.80	W0745506.81	N4450.930	W07455.114
	SALAS	N450607.61	W0744207.33	N4506.127	W07442.122
	SETBE	N444307.15	W0745332.69	N4443.119	W07453.545
	RW05	N445548.10	W0745057.83	N4455.802	W07450.964

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW05	00203	54



CITY AND STATE MASSENA, NY	ELEVATION: 222 TDZE: 205	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, AMDT 1 11 FEB 2010	SUP: RNAV (GPS) Z RWY 5
	AIRPORT NAME: MASSENA INTL-RICHARDS FIELD			AMDT: ORIG
				DATED: 09/30/2004

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: ZIGMA				
AWIPI (IAF)	WERKI (NOPT) (FB)	345.11 / 5.00	2000	CLIMB TO 1900 DIRECT CONCI AND VIA TRACK 153.22 TO MSS VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 300.00 INBOUND. CHART FAS OBST: 596 TWR 445411N/0745301W CHART 535 TOWER 445519N/0745454W. WOPRA TO RW09: 2.97/45. FAC CROSSES RWY C/L EXTENDED 2843 FROM THLD.				
NIPHI (IAF)	WERKI (NOPT) (FB)	165.03 / 5.00	2000					
WERKI (IF/IAF)	KFOXX (FB)	075.07 / 6.00	1900					
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W WERKI, RT, 075.07 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>075.15</u> FAF: <u>KFOXX</u> DIST FAF TO MAP: <u>5.03</u> THLD: <u>5.48</u> 4. MIN. ALT: <u>WERKI 2000, KFOXX 1900, WOPRA/2.00 NM TO ZIGMA 1020*</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: 14W EPOCH YEAR: 1980				
MINIMUMS								
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @			
CATEGORY =====>	A		B		C		D	E
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LNAV MDA	680	1	475	680	1	475	680	1 1/4
CIRCLING	740	1	518	740	1	518	800	1 1/2
NOTES: CHART NOTE: CIRCLING TO RWY 27 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECIEVED, USE SARANAC LAKE ALTIMETER SETTING AND SEE 8260-10								
CITY AND STATE			ELEVATION: 222 TDZE: 205	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:	
MASSENA, NY			AIRPORT NAME:		RNAV (GPS) RWY 9, AMDT 1		AMDT: ORIG	
			MASSENA INTL-RICHARDS FIELD		11 FEB 2010		DATED 09/30/2004	



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

INCREASE ALL MDA 500 FEET, INCREASE LNAV CAT A VISIBILITY 1/4 MILE, CAT B 1/2 MILE, CAT C 1 3/4 MILES, CAT D 1 1/2 MILES, CIRCLING CAT A 1/4 MILE, CAT B 1/2 MILE, CAT C 1 1/2 MILES, AND CAT D 3/4 MILE.

CHART NOTE: STRAIGHT-IN/CIRCLING RWY 9 NA AT NIGHT.

CHART NOTE: WHEN VGSI INOP, CIRCLING TO RWY 23 NA AT NIGHT.

CHART NOTE: STRAIGHT-IN MINIMA NA WHEN USING SARANAC LAKE ALTIMETER SETTING.

* 1320 WHEN USING SARANAC LAKE ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	345/30 CW 165/30 (NOPT)	345/5 CW 165/5	4000
	345/5 CW 165/5	WERKI (IF/IAF) (FB)	2000
2.	165/30 CW 255/30	NIPHI (IAF) (FB)	2000
3.	255/30 CW 345/30	255/5 CW 345/5	4600
	255/5 CW 345/5	AWIPI (IAF) (FB)	2100

CITY AND STATE

MASSENA, NY

ELEVATION: 222 TDZE: 205

AIRPORT NAME:

MASSENA INTL-RICHARDS FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

DATED: 09/30/2004

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

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ARINC PACKET - 424-18 - RNAV (GPS)

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KMSSK6FR09	AAWIPI	010AWIPIK6EA0E	A	IF						18000		B	JS
SUSAP KMSSK6FR09	AAWIPI	020WERKIK6EA0EE	B	010TF			34510050	+	02000			B	JS
SUSAP KMSSK6FR09	ANIPHI	010NIPHIK6EA0E	A	IF						18000		B	JS
SUSAP KMSSK6FR09	ANIPHI	020WERKIK6EA0EE	B	010TF			16500050	+	02000			B	JS
SUSAP KMSSK6FR09	AWERKI	010WERKIK6EA0EE	AR	HF			07510040	+	02000	18000		B	JS
SUSAP KMSSK6FR09	R	010WERKIK6EA0E	I	IF				+	02000	18000		B	JS
SUSAP KMSSK6FR09	R	020KFOXXXK6EA1E	F	051TF			07510060	+	01900			B	JS
SUSAP KMSSK6FR09	R	020KFOXXXK6EA2WN			N	ALNAV							JS
SUSAP KMSSK6FR09	R	021WOPRAK6EA0E	S	031TF			07520030	V	0102001028		-297	B	JS
SUSAP KMSSK6FR09	R	030ZIGMAK6EA0EY	M	031TF			07520020		00395		-297	B	JS
SUSAP KMSSK6FR09	R	040CONCIK6EA0E	M	010DF								B	JS
SUSAP KMSSK6FR09	R	050MSS K6D	0VY	010TF			1532	+	01900			B	JS
SUSAP KMSSK6FR09	R	060MSS K6D	0VE	R020HM			30000040	+	01900			B	JS

QUALITY CHECKED 6

CITY AND STATE
MASSENA, NY

ELEVATION: 222 TDZE: 205
AIRPORT NAME:
MASSENA INTL-RICHARDS FIELD

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 9, AMDT 1
11 FEB 2010

SUP:	
AMDT:	ORIG
DATED:	09/30/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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[illegible]

QUALITY
CHECKED

CITY AND STATE
MASSENA, NY

ELEVATION: 222 TDZE: 205
AIRPORT NAME:
MASSENA INTL-RICHARDS FIELD

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 9, AMDT 1
11 FEB 2010

SUP:	
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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
	AWIPI	AWIPI	010	IAF	IF		FB				
	AWIPI	WERKI	020	IF	TF		FB	1.0	345.1 (331T)	005.0	02000
	NIPHI	NIPHI	010	IAF	IF		FB				
	NIPHI	WERKI	020	IF	TF		FB	1.0	165.0 (151T)	005.0	02000
	WERKI	WERKI	010	IAF	HF	R	FO		075.1 (061T)	004.0	02000
		WERKI	010	FACF	IF		FB				02000
		KFOXX	020	FAF	TF		FB	0.5	075.1 (061T)	006.0	01900
		WOPRA	021	SDF	TF		FB	0.3	075.2 (061T)	003.0	0102001028
		ZIGMA	030	MAP	TF		FO	0.3	075.2 (061T)	002.0	00395

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CONCI	040		DF		FB	1.0			
	MSS	050		TF		FO	1.0	153.2 (139T)		01900
	MSS	060		HM	R	FO	2.0	300.0 (286T)	004.0	01900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MSS	N445452.00	W0744321.59	N4454.867	W07443.360
	AWIPI	N444615.40	W0750206.13	N4446.257	W07502.102
	CONCI	N445752.02	W0744700.09	N4457.867	W07447.002
	KFOXX	N445332.02	W0745806.25	N4453.534	W07458.104
	NIPHI	N445500.49	W0750854.07	N4455.008	W07508.901
	WERKI	N445038.00	W0750529.84	N4450.633	W07505.497
	WOPRA	N445459.52	W0745422.53	N4454.992	W07454.376
	ZIGMA	N445557.30	W0745154.50	N4455.955	W07451.908
	RW09	N445603.98	W0745116.12	N4456.066	W07451.269

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00203	45

QUALITY
CHECKED

CITY AND STATE

MASSENA, NY

ELEVATION: 222 TDZE: 205

AIRPORT NAME:

MASSENA INTL-RICHARDS FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

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

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TERMINAL ROUTES							MISSED APPROACH										
FROM		TO		COURSE AND DISTANCE			ALTITUDE										
MSS VORTAC SALAS (IF/IAF)		SALAS (FO)		018.45 / 11.30			2500		LNAV: RW23								
		NEKIC (FB)		225.32 / 6.10			1900		CLIMB TO 2800 DIRECT DORIE AND HOLD.								
									ADDITIONAL FLIGHT DATA: HOLD SW, LT, 045.12 INBOUND. CHART FAS OBST: 439 POWERLINE 445805N/0744943W CHART SYRACUSE 1 MOA. CHART FALCON 1 MOA, FALCON 3 MOA. NEKIC TO RW23: 3.05/43								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. HOLD NE SALAS, LT, 225.32 INBOUND, 2500 FT. IN LIEU OF PT (IAF)																	
3. FAC: 225.27 FAF: NEKIC DIST FAF TO MAP: 5.06 THLD: 5.06																	
4. MIN. ALT: SALAS 2500, NEKIC 1900, ZATSI/2.00 NM TO RW23 900*																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																	
8. MSA FROM: RW23 3800																	
MAG VAR: 14W EPOCH YEAR: 1980																	
MINIMUMS																	
TAKEOFF: [] STANDARD X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A [] STANDARD @																	
CATEGORY ==>		A			B			C			D			E			
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA		740	1	518	740	1	518	740	1 1/2	518	740	1 3/4	518				
CIRCLING		740	1	518	740	1	518	800	1 1/2	578	900	2 1/4	678				
NOTES:																	
CHART NOTE: DME/DME RNP-0.3 NA.																	
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.																	
*1400 WHEN USING SARANAC LAKE ALTIMETER SETTING.																	
CHART NOTE: CIRCLING TO RWY 9-27 NA AT NIGHT.																	
SEE 8260-10																	
CITY AND STATE MASSENA, NY				ELEVATION: 222 TDZE: 222 AIRPORT NAME: MASSENA INTL-RICHARDS FIELD				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1 11 FEB 2010				SUP: AMDT: ORIG DATED 09/30/2004	

**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 SARANAC LAKE ALTIMETER SETTING AND INCREASE ALL MDA 500 FEET; INCREASE CIRCLING CAT A VISIBILITY 1/4 MILE, CAT B 1/2 MILE, CAT C 1 1/2 MILES AND CAT D 3/4 MILE.

CHART NOTE: STRAIGHT-IN MINIMA NA WHEN USING SARANAC LAKE ALTIMETER SETTING.

CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 23 NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MSS VORTAC AIRWAY RADIAL 061.

QUALITY
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CHECKED

CITY AND STATE MASSENA, NY	ELEVATION: 222 TDZE: 222 AIRPORT NAME: MASSENA INTL-RICHARDS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG
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[illegible]

QUALITY SERVICE

CITY AND STATE MASSENA, NY	ELEVATION: 222 TDZE: 222 AIRPORT NAME: MASSENA INTL-RICHARDS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1 11 FEB 2010	SUP:
				AMDT: ORIG
				DATED: 09/30/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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[illegible]

QUALITY

CITY AND STATE
MASSENA, NY

ELEVATION: 222 TDZE: 222
AIRPORT NAME:
MASSENA INTL-RICHARDS FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 23, AMDT 1
11 FEB 2010

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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
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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
	MSS	MSS	010		IF		FB				
	MSS	SALAS	020		TF		FO	2.0	018.5(005T)	011.3	02500
	MSS	SALAS	030	IAF	HF	L	FO		225.3(211T)	004.0	02500
		SALAS	010	PACF	IF		FB				02500
		NEKIC	020	FAF	TF		FB	0.5	225.3(211T)	006.1	01900
		ZATSI	021	SDF	TF		FB	0.3	225.3(211T)	003.1	0090000915
		RW23	030	MAP	TF		FO	0.3	225.3(211T)	002.0	00264

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	DORIE	040		DF		FO	1.0			02800
	DORIE	050		HM	L	FO	2.0	045.1(031T)	004.0	02800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MSS	N445452.00	W0744321.59	N4454.867	W07443.360
	DORIE	N444542.35	W0745932.88	N4445.706	W07459.548
	NEKIC	N450055.15	W0744635.36	N4500.919	W07446.589
	SALAS	N450607.61	W0744207.33	N4506.127	W07442.122
	ZATSI	N445817.98	W0744849.83	N4458.300	W07448.831
	RW23	N445635.39	W0745017.47	N4456.590	W07450.291

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW23	00221	43

QUALITY
6
CHECKED

CITY AND STATE MASSENA, NY	ELEVATION: 222 TDZE: 222	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, AMDT 1 11 FEB 2010	SUP:
	AIRPORT NAME: MASSENA INTL-RICHARDS FIELD			AMDT: ORIG
				DATED: 09/30/2004

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW27 CLIMBING LEFT TURN TO 1900 DIRECT MSS VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 300.00 INBOUND. CHART FAS OBST: 369 TOWER 445725N/0744711W UVENE TO RW27: 3.04/35	
JURGO (IAF)	YUDUK (NOPT) (FB)	180.40 / 5.00	2900		
HINED (IAF)	YUDUK (NOPT) (FB)	000.44 / 5.00	2900		
YUDUK (IF/IAF)	UVENE (FB)	270.42 / 6.10	1900		

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. HOLD <u>E</u> YUDUK, LT, 270.42 INBOUND, 2900 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>270.32</u> FAF: <u>UVENE</u>	DIST FAF TO MAP: <u>5.14</u> THLD: <u>5.14</u>
4. MIN. ALT: <u>YUDUK 2900, UVENE 1900</u>	
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>	
6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u>	
8. MSA FROM: <u> </u>	

MAG VAR: 14W EPOCH YEAR: 1980

MINIMUMS															
TAKEOFF:	☐ STANDARD	☒ X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A				STANDARD @				
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	680	1	475	680	1	475	680	1 1/4	475	680	1 1/2	475			
CIRCLING	740	1	518	740	1	518	800	1 1/2	578	900	2 1/4	678			

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 SARANAC LAKE ALTIMETER SETTING AND INCREASE ALL MDA 500 FEET; INCREASE LNAV CAT A VISIBILITY 1/4 MILE, CAT B 1/2 MILE, CAT C 1 3/4
 SEE 8260-10

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

QUALITY
&
CHECKED

CITY AND STATE	ELEVATION: 222 TDZE: 205	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MASSENA, NY	AIRPORT NAME:		RNAV (GPS) RWY 27, AMDT 1	AMDT: ORIG
	MASSENA INTL-RICHARDS FIELD		11 FEB 2010	DATED 09/30/2004

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

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

NOTES CONT.

MILE, AND CAT D 1 1/2 MILE, INCREASE CIRCLING CAT A VISIBILITY 1/4 MILE, CAT B 1/2 MILE, CAT C VISIBILITY 1 1/2 MILE, AND CAT D 3/4 MILE.

CHART NOTE: CIRCLING TO RWY 9 NA AT NIGHT.

CHART NOTE: WHEN VGSi INOP, CIRCLING TO RWY 23 NA AT NIGHT.

CHART NOTE: WHEN VGSi INOP, STRAIGHT-IN/CIRCLING RWY 27 NA AT NIGHT.

TAA

	FROM	TO	ALT
1.	180/30 CW 360/30 (NOPT) 180/9 CW 360/9	180/9 CW 360/9 YUDUK (IF/IAF) (FB)	5600 2900
2.	360/30 CW 090/30	HINED (IAF) (FB)	5100
3.	090/30 CW 180/30	JURGO (IAF) (FB)	2900

QUALITY
CHECKED

CITY AND STATE

MASSENA, NY

ELEVATION: 222

TDZE: 205

AIRPORT NAME:

MASSENA INTL-RICHARDS FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, AMDT 1

11 FEB 2010

SUP:

AMDT: ORIG

DATED: 09/30/2004

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

[illegible]

CHECKED 9
QUALITY

CITY AND STATE MASSENA, NY	ELEVATION: 222	TDZE: 205	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 1 11 FEB 2010	SUP:	
	AIRPORT NAME:				AMDT:	ORIG
	MASSENA INTL-RICHARDS FIELD				DATED:	09/30/2004

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

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HINED	HINED	010	IAF	IF		FB				
	HINED	YUDUK	020	IF	TF		FB	1.0	000.4 (346T)	005.0	02900
	JURGO	JURGO	010	IAF	IF		FB				
	JURGO	YUDUK	020	IF	TF		FB	1.0	180.4 (166T)	005.0	02900
	YUDUK	YUDUK	010	IAF	HP	L	FO		270.4 (256T)	004.0	02900
		YUDUK	010	PACF	IF		FB				02900
		UVENE	020	FAP	TF		FB	0.5	270.4 (256T)	006.1	01900
		RW27	030	MAP	TF		FO	0.3	270.3 (256T)	005.1	00239

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	MSS	040		DF	L	FO	1.0			01900
	MSS	050		HM	R	FO	2.0	300.0 (286T)	004.0	01900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	MSS	N445452.00	W0744321.59	N4454.867	W07443.360
	HINED	N445401.14	W0743320.14	N4454.019	W07433.336
	JURGO	N450344.31	W0743638.62	N4503.739	W07436.644
	UVENE	N445726.53	W0744320.17	N4457.442	W07443.336
	YUDUK	N445852.74	W0743459.24	N4458.879	W07434.987
	RW27	N445613.38	W0745022.11	N4456.223	W07450.369

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27	00204	35

QUALITY
6
CHECKED

CITY AND STATE
MASSENA, NY

ELEVATION: 222 TDZE: 205
 AIRPORT NAME:
MASSENA INTL-RICHARDS FIELD

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 1
11 FEB 2010

SUP:
 AMDT: **ORIG**
 DATED: **09/30/2004**

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

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

NOTES:

PROCEDURE CANCELED EFFECTIVE 11 FEB 2010

QUALITY
6
CHECKED

CITY AND STATE MASSENA, NY	ELEVATION: 215 TDZE: 205 AIRPORT NAME: MASSENA INTL-RICHARDS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 5, ORIG, 09/30/2004	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: _____

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 11 FEB 2010

QUALITY
5
CHECKED

CITY AND STATE MASSENA, NY	ELEVATION: 215 TDZE: AIRPORT NAME: MASSENA INTL-RICHARDS FIELD	FACILITY IDENTIFIER: MSS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, ORIG, 05/10/2007	SUP AMDT NONE DATE
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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									
ROD VORTAC	TARRY (FB)	161.00 / 15.20	3000	LPV: DA LNAV/VNAV: DA LNAV: RW24L CLIMB TO 3000 DIRECT WANSU AND VIA TRACK 225.06 TO MIMMS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.00 INBOUND. CHART FAS OBST: 1151 ANT 395350N/0841149W DISTANCE TO THLD FROM 200 HAT: 0.49 NM. CHART VDP AT 1.15 MILES TO RW24L* *LNAV ONLY. WAAS CHANNEL # 50414 REFERENCE PATH ID: W24A CHART ASR								
TARRY (IAF)	JAVDO (FB)	239.44 / 5.30	3000									
JAVDO (IF)	OKIDE (FB)	239.50 / 6.01	2600									
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u>FT</u> WITHIN <u>MILES</u> OF <u>(IAF)</u> 2. PROFILE STARTS AT TARRY 3. FAC: <u>239.44</u> FAF: <u>OKIDE</u> DIST FAF TO MAP: <u>4.80</u> THLD: <u>4.80</u> 4. MIN. ALT: <u>TARRY 3000, JAVDO 3000, OKIDE 2600</u> 5. DIST TO THLD FROM OM: <u>MM:</u> <u>IM:</u> <u>150</u> HAT: <u>100</u> HAT: <u>GS ANT:</u> 6. MIN GS INCPT: <u>2600</u> GS ALT AT: <u>OKIDE</u> OM: <u>MM:</u> <u>IM:</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.1</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW24L 3100</u>				MAG VAR: <u>4W</u> EPOCH YEAR: <u>1990</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	1206	2400	200	1206	2400	200	1206	2400	200	1206	2400	200
LNAV/VNAV DA	1401	5000	395	1401	5000	395	1401	5000	395	1401	5000	395
LNAV MDA	1420	2400	414	1420	2400	414	1420	4000	414	1420	5000	414
CIRCLING	1560	1	551	1560	1	551	1560	1 1/2	551	1560	2	551
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT D VISIBILITY TO RVR 6000. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT TARRY VIA V12 EASTBOUND, AND FOR ARRIVAL AT ROD VORTAC VIA V47 NORTHEAST BOUND.												
CITY AND STATE		ELEVATION: 1009 TDZE: 1006		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
DAYTON, OH		AIRPORT NAME: JAMES M COX DAYTON INTL				RNAV (GPS) RWY 24L, AMDT 1A		AMDT: 1				
						11 FEB 2010		DATED 08/27/2009				

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDAY
RUNWAY	RW24L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	395406.9000N
LTP/FTP LONGITUDE	0841206.7400W
LTP/FTP ELLIPSOIDAL HEIGHT	+02718
FPAP LATITUDE	395325.9900N
FPAP LONGITUDE	0841323.6500W
THRESHOLD CROSSING HEIGHT (TCH)	00051.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	107.00
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 3F19398A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03048
FPAP ORTHOMETRIC HEIGHT	+03048

CITY AND STATE
DAYTON, OH

ELEVATION: 1009 TDZE: 1006
AIRPORT NAME:
JAMES M COX DAYTON INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 24L, AMDT 1A
11 FEB 2010

SUP:
AMDT: 1
DATED: 08/27/2009

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]

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

SUP:	
AMDT:	1
DATED:	08/27/2009

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
	ROD	ROD	010		IF		FB				
	ROD	TARRY	020	IAF	TF		FB	2.0	161.0 (157T)	015.2	03000
	ROD	JAVDO	030		TF		FB	1.0	239.4 (235T)	005.3	03000
		JAVDO	010	FACF	IF		FB				03000
		OKIDE	020	FAF	TF		FB	0.5	239.5 (236T)	006.0	02600
		RW24L	030	MAP	TF		FO	0.3	239.4 (235T)	004.8	01051

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WANSU	040		DF		FB	1.0			
	MIMMS	050		TF		FO	1.0	225.1 (221T)		03000
	MIMMS	060		HM	R	FO	2.0	094.0 (090T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ROD	N401716.08	W0840235.28	N4017.268	W08402.588
	JAVDO	N400015.10	W0840032.14	N4000.252	W08400.536
	MIMMS	N394515.09	W0842327.36	N3945.252	W08423.456
	OKIDE	N395650.53	W0840658.58	N3956.842	W08406.976
	TARRY	N400315.80	W0835451.26	N4003.263	W08354.854
	WANSU	N395219.32	W0841528.90	N3952.322	W08415.482
	RW24L	N395406.90	W0841206.74	N3954.115	W08412.112

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW24L	01000	51

CITY AND STATE

DAYTON, OH

ELEVATION: 1009 TDZE: 1006
 AIRPORT NAME:

JAMES M COX DAYTON INTL

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 24L, AMDT 1A

11 FEB 2010

SUP:

AMDT: 1

DATED: 08/27/2009

TAKEOFF MINIMUMS AND TEXTUAL DEPARTURE PROCEDURES (DP)

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 10, 28 STANDARD.

(2) DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 10, BUSH 136' FROM DER, 183' LEFT OF CENTERLINE, 9' AGL/110' MSL. TOWER 2736' FROM DER, 1203' LEFT OF CENTERLINE, 167' AGL/210' MSL.

NOTE: RWY 28, BUILDINGS WITH CHIMINEYS BEGINNING 1105' FROM DER, 8' LEFT OF CENTERLINE, UP TO 30' AGL/196' MSL. TREES BEGINNING 3' FROM DER, 4' LEFT OF CENTERLINE, UP TO 87' AGL/189' MSL. TREES BEGINNING 380' FROM DER, 70' LEFT OF CENTERLINE, UP TO 78' AGL/186' MSL. WINDMILL WITH ANTENNAS 3437' FROM DER, 1005' RIGHT OF CENTERLINE, 72' AGL/257' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

BLOCK ISLAND, RI

(6) Airport

BLOCK ISLAND STATE

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

3

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: SEY VOR/DME
				CLIMBING RIGHT TURN TO 1500 IN SEY VOR/DME HOLDING PATTERN.
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 274.00 INBOUND. CHART FAS OBST: 277 TWR 411030N/0713416W CHART VDP AT 1.53 DME; DISTANCE VDP TO THLD 1.39 MILES. FAC CROSSES RWY C/L EXTENDED 2768 FROM THLD.

1. PT L SIDE OF COURSE 094.00 OUTBOUND 1500 FT WITHIN 10 MILES OF SEY VOR/DME (IAF)
 2. _____
 3. FAC 274.00 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: SEY VOR/DME 060-240 1300, 240-060 2100

MAG VAR: 15W

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N/A		STANDARD @					
CATEGORY =====>		A			B			C			D			E			
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-28		580	1	472	580	1	472	580	1 1/4	472		NA					
CIRCLING		580	1	472	580	1	472	580	1 1/2	472		NA					

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WESTERLY STATE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND S-28 CAT C VISIBILITY 1/4 MILE.
 CHART NOTE: VDP NA WHEN USING WESTERLY STATE ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
6
CHECKED

CITY AND STATE BLOCK ISLAND, RI	ELEVATION: 108 TDZE: 108	FACILITY IDENTIFIER: SEY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 28, AMDT 5 11 FEB 2010	SUP
	AIRPORT NAME: BLOCK ISLAND STATE			AMDT 4A
	DATE 06/05/2008			

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 18,36, STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, TREES BEGINNING 1770' FROM DER, 664' LEFT OF CENTERLINE, UP TO 60' AGL/88' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
4
CHECKED

(5) City, State

MYRTLE BEACH, SC

(6) Airport

MYRTLE BEACH INTL

(7) Effective Date

11 FEB 2010

(8) Amdt. No.

2

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.				
TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 3000 DIRECT FIPAL AND VIA TRACK 241.40 TO TIEON AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD S, LT, 005.33 INBOUND. CHART FAS OBST: 1039 TREE 331133N/0974959W DISTANCE TO THLD FROM 394 HAT: 1.21 NM. CHART VDP AT 1.42 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 49215 REFERENCE PATH ID: W18A				
HIBIS (IAF)	ZEDAX (NOPT) (FB)	086.02 / 16.12	3000					
ZEDAX (IF/IAF)	CONVI (FB)	176.20 / 6.09	2500					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N ZEDAX, RT, 176.20 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 176.20 FAF: CONVI _____ DIST FAF TO MAP: 5.11 THLD: 5.11 4. MIN. ALT: ZEDAX 3000, CONVI 2500, WISLO/2.10 NM TO RW18 1520* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: CONVI _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW18 4000				MAG VAR: 5E 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
LPV DA	1235	1 1/2	394	1235	1 1/2	394	NA	NA
LNAV/VNAV DA	1366	2	525	1366	2	525	NA	NA
LNAV MDA	1300	1	459	1300	1	459	NA	NA
CIRCLING	1480	1	628	1480	1	628	NA	NA
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DECATUR ALTIMETER SETTING AND INCREASE SEE 8260-10								
CITY AND STATE		ELEVATION: 852 TDZE: 841		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:
BRIDGEPORT, TX		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 18, ORIG		AMDT: NONE
		BRIDGEPORT MUNI				11 FEB 2010		DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

ALL DA 58 FEET AND ALL MDA 60 FEET AND LPV AND LNAV/VNAV CATS A/B VISIBILITY 1/4 MILE.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HIBIS VIA V16 SOUTHWEST BOUND.

* LNAV ONLY.

CITY AND STATE

BRIDGEPORT, TX

ELEVATION: 852 TDZE: 841

AIRPORT NAME:

BRIDGEPORT MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

11 FEB 2010

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 KXBP
RUNWAY RW18
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W18A
LTP/FTP LATITUDE 331051.0030N
LTP/FTP LONGITUDE 0974941.7335W
LTP/FTP ELLIPSOIDAL HEIGHT +02188
FPAP LATITUDE 330921.7500N
FPAP LONGITUDE 0974943.9500W
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 1528
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

B647A3CF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +02466
FPAP ORTHOMETRIC HEIGHT +02466

CITY AND STATE

BRIDGEPORT, TX

ELEVATION: 852 TDZE: 841

AIRPORT NAME:

BRIDGEPORT MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

QUALITY
6
CHECKED

CITY AND STATE BRIDGEPORT, TX	ELEVATION: 852 TDZE: 841 AIRPORT NAME: BRIDGEPORT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 11 FEB 2010	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.

CITY AND STATE BRIDGEPORT, TX	ELEVATION: 852	TDZE: 841	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:	
	AIRPORT NAME:			RNAV (GPS) RWY 18, ORIG	AMDT:	NONE
	BRIDGEPORT MUNI			11 FEB 2010	DATED:	

Page 5 of 6

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
	HIBIS	HIBIS	010	IAF	IF		FB				
	HIBIS	ZEDAX	020	IF	TF		FB	1.0	086.0 (091T)	016.1	03000
	ZEDAX	ZEDAX	010	IAF	HF	R	FO		176.2 (181T)	004.0	03000
		ZEDAX	010	PACF	IF		FB				03000
		CONVI	020	FAP	TF		FB	0.5	176.2 (181T)	006.1	02500
		WISLO	021	SDF	TF		FB	0.3	176.2 (181T)	003.0	0152001522
		RW18	030	MAP	TF		FO	0.3	176.2 (181T)	002.1	00849

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	176.2 (181T)		01235
	FIPAL	050		DF		FB	1.0			
	TIEON	060		TF		FO	1.0	241.4 (246T)		03000
	TIEON	070		HM	L	FO	2.0	005.3 (010T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CONVI	N331558.19	W0974934.07	N3315.970	W09749.568
	FIPAL	N330650.59	W0974947.71	N3306.843	W09749.795
	HIBIS	N332222.93	W0980839.27	N3322.382	W09808.655
	TIEON	N330450.28	W0975514.51	N3304.838	W09755.242
	WISLO	N331257.21	W0974938.58	N3312.954	W09749.643
	ZEDAX	N332204.13	W0974924.93	N3322.069	W09749.416
	RW18	N331051.00	W0974941.73	N3310.850	W09749.696

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW18	00809		40



CITY AND STATE BRIDGEPORT, TX	ELEVATION: 852 TDZE: 841 AIRPORT NAME: BRIDGEPORT MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 11 FEB 2010	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: UKW 21.27 DME FIX
UKW VORTAC (IAF)	CINEN/6.00 DME (NOPT)	174.95 / 6.00	3000	CLIMBING RIGHT TURN TO 2800 VIA UKW VORTAC R-175 TO SKYLA/UKW 16.00 DME AND HOLD.
CINEN/6.00 DME (IF)	SKYLA/16.00 DME	174.95 / 10.00 (UKW R-175)	2500	
				ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1255 TOWER 331311N/0974706W SKYLA TO RW18: 2.95/40.

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N SKYLA, RT, 174.95 INBOUND, 2800 FT. IN LIEU OF PT (IAF)
3. FAC 174.95 FAF SKYLA/16.00 DME DIST FAF TO MAP THLD 5.27
4. MIN. ALT SKYLA/16.00 DME 2500
8. MSA FROM: UKW VORTAC 4000

MAG VAR: 6E

EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF: <u> </u>	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
B-18	1440	1	599	1440	1 1/4	599		NA			NA				
CIRCLING	1480	1	628	1480	1 1/4	628		NA			NA				

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DECATUR ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON UKW VORTAC AIRWAY RADIALS 184 CW 233.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.



CITY AND STATE BRIDGEPORT, TX	ELEVATION: 852 TDZE: 841 AIRPORT NAME: BRIDGEPORT MUNI	FACILITY IDENTIFIER: UKW	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 18, AMDT 1 11 FEB 2010	SUP VOR/DME RWY 17 AMDT ORIG-D DATE 04/13/2006
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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 VR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.22 MILES AFTER REDOC INT/I-GHI 6.02 DME OR AT I-GHI 1.80 DME FIX CLIMB TO 520 THEN CLIMBING LEFT TURN TO 3000 VIA IAH VORTAC R-215 TO TICOTY INT/IAH 20.00 DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 520 THEN CLIMBING LEFT TURN TO 4000 VIA HEADING 207 TO INTERCEPT HUB R-308 TO ADING/HUB 6.57 DME AND HOLD NW, RT, 128.12 INBOUND. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SW, RT, 034.90 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW ADING/HUB 6.57 DME, RT, 128.12 INBOUND. CHART FAS OBST: 228 TOWER 295859N/0951529W CHART 264 TOWER 295848N/0951239W. CHART VDP AT 2.95 DME; DISTANCE VDP TO THLD 1.14 MILES. CHART IN PLANVIEW: ADING/HUB 6.57 DME. CHART LOC RWY 26L/R.	
SILLS INT/I-GHI 27.00 DME (IAF)	TRANN INT/I-GHI 21.96 DME	266.96 / 5.04 (I-GHI)	5000		
TRANN INT/I-GHI 21.96 DME	DENTO INT/I-GHI 16.24 DME	266.96 / 5.72 (I-GHI)	4000*		
DENTO INT/I-GHI 16.24 DME (IF)	FESTA INT/I-GHI 9.95 DME	266.96 / 6.29 (I-GHI)	2000*		
FESTA INT/I-GHI 9.95 DME	REDOC INT/I-GHI 6.02 DME	266.96 / 3.93 (I-GHI)	1500		
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT SILLS 3. FAC: 266.96 FAF: REDOC INT/I-GHI 6.02 DME DIST FAF TO MAP: 4.22 THLD: 4.22 4. MIN. ALT: SILLS 5000, TRANN 5000, DENTO 4000*, FESTA 2000*, REDOC 1500 5. DIST TO THLD FROM OM: - MM: - IM: 873 150 HAT: - 100 HAT: 901 GS ANT: 1035 6. MIN GS INCPT: 1500 GS ALT AT: REDOC INT/I-GHI 6.02 DME 1500 OM: - MM: - IM: 185 7. GS ANGLE: 3.00 TCH: 55.0 8. MSA FROM: IAH VORTAC 015-230 3100, 230-015 2400				MAG VAR: 3E EPOCH YEAR: 2010	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: STANDARD LOC: STANDARD
CATEGORY ==>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
S-ILS 27	288	1800	200	288	1800
S-LOC 27	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
	288	1800	200	288	1800
	520	2400	432	520	2400
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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.

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-ILS 27 CAT E VISIBILITY TO RVR 4000 AND S-LOC 27 CATE VISIBILITY TO 1 1/2.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 26L/R.

CHART PLANVIEW NOTE: RADAR REQUIRED

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART PROFILE NOTE: *WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 2000 OR 4000.

QUALITY
5
CHECKED

CITY AND STATE

HOUSTON, TX

ELEVATION: 97 TDZE: 88

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:

I-GHI

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 27, AMDT 8
ILS RWY 27 (CAT II), ILS RWY 27 (CAT III)

11 FEB 2010

SUP:

AMDT: 7

DATED: 05/07/2009

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 11 FEB 2010

CITY AND STATE STAMFORD, TX	ELEVATION: 1561 TDZE: 1560 AIRPORT NAME: ARLEDGE FIELD	FACILITY IDENTIFIER: TMV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB OR GPS RWY 35, ORIG, 06/29/1989	SUP AMDT NONE DATE
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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				
ROTAN	AYOTI (FB)	054.79 / 34.11	4000	LNAV: RW17			
ROGEE	ELUGY (FB)	308.53 / 25.95	4000				
AYOTI (IAF)	COXAK (NOPT) (FB)	084.35 / 5.00	3200	CLIMB TO 3300 DIRECT HINTA AND HOLD.			
ELUGY (IAF)	COXAK (NOPT) (FB)	264.45 / 5.00	3200				
COXAK (IF/IAF)	FEMLI (FB)	174.40 / 6.10	3200	ADDITIONAL FLIGHT DATA: HOLD S, RT, 354.40 INBOUND. CHART FAS OBST: 1684 TREE 325554N/0994454W FEMLI TO RW17: 3.04/40			

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. HOLD N COXAK, RT, 174.40 INBOUND, 3200 FT. IN LIEU OF PT (IAF)	
3. FAC: 174.40 FAF: FEMLI	DIST FAF TO MAP: 4.95 THLD: 4.95
4. MIN. ALT: COXAK 3200, FEMLI 3200, EFIZU/1.70 NM TO RW17 2120	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____	
7. GS ANGLE: _____ TCH: 34:1 IS CLEAR	
8. MSA FROM: RW17 3900	

MAG VAR: 6E 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		
	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	2040	1	479	2040	1	479	2040	1 1/4	479		NA				
CIRCLING	2100	1	539	2100	1	539	2100	1 1/2	539		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: PROCEDURE NA AT NIGHT.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ROGEE VIA V18 EASTBOUND.
 CHART NOTE: USE ABILENE RGNL ALTIMETER SETTING; WHEN NOT RECEIVED USE BRECKENRIDGE ALTIMETER
 SETTING AND INCREASE ALL MDA 40 FEET AND LNAV CAT C VISIBILITY 1/4 MILE.

CITY AND STATE	ELEVATION: 1561 TDZE: 1561	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
STAMFORD, TX	AIRPORT NAME: ARLEDGE FIELD		RNAV (GPS) RWY 17, ORIG 11 FEB 2010	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 F56 K4FR17	ACOXAK	010COXAKK4EA0EE	AR	HF			17440040	+	03200	18000		B JS	
SUSAP F56 K4FR17	AROGEE	010ROGEEK4EA0E		IF						18000		B JS	
SUSAP F56 K4FR17	AROGEE	020ELUGYK4EA0E	A	020TF			30850260	+	04000			B JS	
SUSAP F56 K4FR17	AROGEE	030COXAKK4EA0EE	B	010TF			26450050	+	03200			B JS	
SUSAP F56 K4FR17	AROTAN	010ROTANK4EA0E		IF						18000		B JS	
SUSAP F56 K4FR17	AROTAN	020AYOTIK4EA0E	A	020TF			05480341	+	04000			B JS	
SUSAP F56 K4FR17	AROTAN	030COXAKK4EA0EE	B	010TF			08440050	+	03200			B JS	
SUSAP F56 K4FR17	R	010COXAKK4EA0E	I	IF				+	03200	18000		B JS	
SUSAP F56 K4FR17	R	020FEMLIK4EA1E	F	051TF			17440061	+	03200		RW17	K4PGB JS	
SUSAP F56 K4FR17	R	020FEMLIK4EA2WN			N	ALNAV						JS	
SUSAP F56 K4FR17	R	021EFIZUK4EA0E	S	031TF			17440033	V	0212002145		-304	B JS	
SUSAP F56 K4FR17	R	030RW17	K4PGOGY	M	031TF		17440017		01601		-304	B JS	
SUSAP F56 K4FR17	R	040HINTAK4EA0EYM		010DF				+	03300			B JS	
SUSAP F56 K4FR17	R	050HINTAK4EA0EE		RO2CHM			35440040	+	03300			B JS	

[illegible]

CITY AND STATE STAMFORD, TX	ELEVATION: 1561 TDZE: 1561 AIRPORT NAME: ARLEDGE FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

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

SUSAP F56 K4SRW17 K4PG 0 18018003925 M													

CITY AND STATE

STAMFORD, TX

ELEVATION: 1561 TDZE: 1561

AIRPORT NAME:

ARLEDGE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG

11 FEB 2010

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
	COXAK	COXAK	010	IAF	HF	R	FO		174.4 (180T)	004.0	03200
	ROGEE	ROGEE	010		IF		FB				
	ROGEE	ELUGY	020	IAF	TF		FB	2.0	308.5 (315T)	026.0	04000
	ROGEE	COXAK	030	IF	TF		FB	1.0	264.5 (271T)	005.0	03200
	ROTAN	ROTAN	010		IF		FB				
	ROTAN	AYOTI	020	IAF	TF		FB	2.0	054.8 (061T)	034.1	04000
	ROTAN	COXAK	030	IF	TF		FB	1.0	084.4 (090T)	005.0	03200
		COXAK	010	FACF	IF		FB				03200
		FEMLI	020	FAF	TF		FB	0.5	174.4 (180T)	006.1	03200
		EFIZU	021	SDF	TF		FB	0.3	174.4 (180T)	003.3	0212002145
		RW17	030	MAP	TF		FO	0.3	174.4 (180T)	001.7	01601

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HINTA	040		DF		FO	1.0			03300
	HINTA	050		HM	R	FO	2.0	354.4 (360T)	004.0	03300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AYOTI	N330557.48	W0995001.03	N3305.958	W09950.017
	COXAK	N330555.52	W0994403.92	N3305.925	W09944.065
	EFIZU	N325633.45	W0994408.58	N3256.558	W09944.143
	ELUGY	N330553.28	W0993806.82	N3305.888	W09938.114
	FEMLI	N325949.09	W0994406.96	N3259.818	W09944.116
	HINTA	N324308.49	W0994415.23	N3243.142	W09944.254
	ROGEE	N324741.29	W0991605.66	N3247.688	W09916.094
	ROTAN	N324921.98	W1002527.33	N3249.366	W10025.456
	RW17	N325451.25	W0994409.43	N3254.854	W09944.157

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW17	01561		40

CITY AND STATE STAMFORD, TX	ELEVATION: 1561	TDZE: 1561	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 11 FEB 2010	SUP:
	AIRPORT NAME: ARLEDGE FIELD				AMDT: NONE
					DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW35 CLIMBING RIGHT TURN TO 3300 DIRECT HINTA AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1664 TREE 325419N/0994438W 1829 AAO 324905N/0994500W AWAQY TO RW35: 3.04/40	
ROTAN	CEXES (FB)	095.58 / 30.38	4000		
ROGEE	GIREW (FB)	250.39 / 19.30	4000		
CEXES (IAF)	HINTA (NOPT) (FB)	084.35 / 5.00	3300		
GIREW (IAF)	HINTA (NOPT) (FB)	264.45 / 5.00	3300		
HINTA (IF/IAF)	AWAQY (FB)	354.40 / 6.11	3200		

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. HOLD S HINTA, RT, 354.40 INBOUND, 3300 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>354.40</u> FAF: <u>AWAQY</u>	DIST FAF TO MAP: <u>4.98</u> THLD: <u>4.98</u>
4. MIN. ALT: HINTA 3300, AWAQY 3200, FESGI/2.00 NM TO RW35 2200	
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>	
6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: <u> </u> TCH: <u>34:1</u> IS CLEAR	
8. MSA FROM: RW35 3900	

MAG VAR: 6E
EPOCH YEAR: 2010

MINIMUMS															
TAKEOFF: <u> </u>	☐ 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	2020	1	460	2020	1	460	2020	1 1/4	460		NA				
CIRCLING	2100	1	539	2100	1	539	2100	1 1/2	539		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ROTAN VIA V62 NORTHWEST BOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ROGEE VIA V16 NORTHEAST BOUND AND VIA V18 EASTBOUND.
 SEE 8260-10

CITY AND STATE	ELEVATION: 1561 TDZE: 1560	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
STAMFORD, TX	AIRPORT NAME:		RNAV (GPS) RWY 35, ORIG	AMDT: NONE
	ARLEDGE FIELD		11 FEB 2010	DATED

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

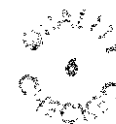
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NOTES CONT.

CHART NOTE: USE ABILENE RGNL ALTIMETER SETTING; WHEN NOT RECEIVED USE BRECKENRIDGE ALTIMETER

SETTING AND INCREASE ALL MDA 40 FEET.

CHART NOTE: PROCEDURE NA AT NIGHT.



CITY AND STATE

STAMFORD, TX

ELEVATION: 1561 TDZE: 1560

AIRPORT NAME:

ARLEDGE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

11 FEB 2010

SUP:

AMDT: NONE

DATED:

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[illegible][illegible][illegible]

CITY AND STATE STAMFORD, TX	ELEVATION: 1561 TDZE: 1560 AIRPORT NAME: ARLEDGE FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 11 FEB 2010	SUP:
				AMDT: NONE
				DATED:

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

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

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

SUSAP F56 K4SRW35 K4PG 0 18018003925 M													

CITY AND STATE
STAMFORD, TX

ELEVATION: 1561 TDZE: 1560
AIRPORT NAME:
ARLEDGE FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, ORIG
11 FEB 2010

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
	HINTA	HINTA	010	IAF	HF	R	FO		354.4(360T)	004.0	03300
	ROGEE	ROGEE	010		IF		FB				
	ROGEE	GIREW	020	IAF	TF		FB	2.0	250.4(256T)	019.3	04000
	ROGEE	HINTA	030	IF	TF		FB	1.0	264.5(271T)	005.0	03300
	ROTAN	ROTAN	010		IF		FB				
	ROTAN	CEXES	020	IAF	TF		FB	2.0	095.6(102T)	030.4	04000
	ROTAN	HINTA	030	IF	TF		FB	1.0	084.4(090T)	005.0	03300
		HINTA	010	FACF	IF		FB				03300
		AWAQY	020	FAF	TF		FB	0.5	354.4(360T)	006.1	03200
		FESGI	021	SDF	TF		FB	0.3	354.4(360T)	003.0	0220002235
		RW35	030	MAP	TF		FO	0.3	354.4(360T)	002.0	01594

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	HINTA	040		DF	R	FO	1.0			03300
	HINTA	050		HM	R	FO	2.0	354.4(360T)	004.0	03300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AWAQY	N324915.51	W0994412.20	N3249.259	W09944.203
	CEXES	N324310.45	W0995010.81	N3243.174	W09950.180
	FESGI	N325214.36	W0994410.72	N3252.239	W09944.179
	GIREW	N324306.25	W0993819.65	N3243.104	W09938.328
	HINTA	N324308.49	W0994415.23	N3243.142	W09944.254
	ROGEE	N324741.29	W0991605.66	N3247.688	W09916.094
	ROTAN	N324921.98	W1002527.33	N3249.366	W10025.456
	RW35	N325414.59	W0994409.73	N3254.243	W09944.162

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW35	01554		40

CITY AND STATE STAMFORD, TX	ELEVATION: 1561 TDZE: 1560	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 11 FEB 2010	SUP:
	AMDT:			NONE
	DATED:			
AIRPORT NAME: ARLEDGE FIELD				

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 08, 13, 26, 31 NA-ENVIRONMENTAL.

RWY 17, 35 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 17, TREES BEGINNING 772' FROM DER, 532' LEFT OF CENTERLINE, UP TO 100' AGL/1659' MSL. TREE 2215' FROM DER, 966' RIGHT OF CENTERLINE, UP TO 100' AGL/1659' MSL.

NOTE: RWY 35, TREE 3284' FROM DER, 901' LEFT OF CENTERLINE, UP TO 100' AGL/1669' MSL. TREES BEGINNING 1267' FROM DER, 712' RIGHT OF CENTERLINE, UP TO 100' AGL/1664' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State STAMFORD, TX	(6) Airport ARLEDGE FIELD	(7) Effective Date 11 FEB 2010	(8) Amdt. No. ORIG
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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	MAP: 4.28 MILES AFTER VORTAC OR AT RARVE/LDN 4.28 DME FIX CLIMBING RIGHT TURN TO 5000 DIRECT LDN VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 335.00 INBOUND. FAS OBST: 2644 AAO 385117N/0781219W FAC CROSSES MID POINT OF RWY 13-31.						
1. PT <u>R</u> SIDE OF COURSE <u>155.00</u> OUTBOUND <u>5000</u> FT WITHIN <u>10</u> MILES OF <u>LDN VORTAC</u> (IAF) 2. _____ 3. FAC <u>335.00</u> FAF <u>LDN VORTAC</u> DIST FAF TO MAP <u>4.28</u> THLD _____ 4. MIN. ALT <u>LDN VORTAC 5000</u> 8. MSA FROM: <u>LDN VORTAC 360-090 4100, 090-180 4700, 180-270 5300, 270-360 4500</u>										
					MAG VAR: 6W EPOCH YEAR: 1965					
MINIMUMS										
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: NA	☒			
CATEGORY =====>	A		B		C		D		E	
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
CIRCLING	3300	1 1/4	2596	3300	1 1/2	2596		NA		
NOTES: CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: USE WINCHESTER REGIONAL ALTIMETER SETTING, WHEN NOT RECEIVED USE EASTERN WV RGNL/SHEPHERD FIELD, WV ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON LDN VORTAC AIRWAY RADIAL 135.										
CITY AND STATE		ELEVATION: 704		TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		
FRONT ROYAL, VA						LDN		VOR-B, ORIG		
		FRONT ROYAL-WARREN COUNTY						11 FEB 2010		
								SUP		
								AMDT NONE		
								DATE		



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:

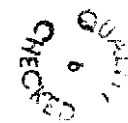
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
 2. _____
 3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: _____

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 11 FEB 2010



CITY AND STATE SPRINGFIELD, VT	ELEVATION: 577 TDZE: AIRPORT NAME: HARTNESS STATE (SPRINGFIELD)	FACILITY IDENTIFIER: I-VSF	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC-A, AMDT 4A, 8/24/95	SUP AMDT 4 DATE 12/08/94
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC/DME 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		MAP: I-VSF 0.79 DME FIX						
LEB VOR/DME	WILNO INT/I-VSF 13.01 DME			229.34 / 36.57			4800		CLIMB TO 2300 THEN CLIMBING RIGHT TURN TO 4500 VIA HEADING 255 AND LEB VOR/DME R-229 TO WILNO INT/I-VSF 13.01 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4500. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1259 TREE 431834N/0723339W CHART 1379 TREE 431743N/0723351W. CHART VDP AT 2.83 DME; DISTANCE VDP TO THLD 2.14 MILES. MENNE TO RW05: 3.64/59. CHART IN PLANVIEW: COGUL / EEN 26.7 DME. FAC CROSSES RWY C/L EXTENDED 5374 FROM THLD.						
EEN VORTAC (IAF)	WILNO INT/I-VSF 13.01 DME (NOPT)			336.87 / 28.66			4500								
WILNO INT/I-VSF 13.01 DME (IF/IAF)	NEIVA/I-VSF 9.51 DME			051.39 / 3.50			3700								
NEIVA/I-VSF 9.51 DME	MENNE/I-VSF 6.67 DME			051.39 / 2.84			2900								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW WILNO, RT, 051.39 INBOUND, 4500 FT. IN LIEU OF PT (IAF) 3. FAC 051.39 FAF MENNE/I-VSF 6.67 DME _____ DIST FAF TO MAP _____ THLD 5.88 4. MIN. ALT WILNO 4500, NEIVA 3700, MENNE 2900, OKOTE/I-VSF 3.51 DME 1680 8. MSA FROM: LEB VOR/DME 090-180 4400, 180-360 5500, 360-090 6100 (30 NM)										MAG VAR: 15W EPOCH YEAR: 1995					
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-5	1540	1 1/4	965	1540	1 1/2	965	1540	3	965	1540	3	965			
CIRCLING	1560	1 1/4	983	1720	1 1/2	1143	1720	3	1143	2400	3	1823			
NOTES: CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT.															
CITY AND STATE		ELEVATION: 577 TDZE: 575		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP					
SPRINGFIELD, VT		AIRPORT NAME:		I-VSF		LOC/DME RWY 5, AMDT 4				AMDT 3C					
		HARTNESS STATE (SPRINGFIELD)				11 FEB 2010				DATE 10/05/2000					

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 11 FEB 2010

QUALITY
CHECKED

CITY AND STATE SPRINGFIELD, VT	ELEVATION: 577 TDZE: AIRPORT NAME: HARTNESS STATE (SPRINGFIELD)	FACILITY IDENTIFIER: SXD	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-B, AMDT 6A, 5/11/07	SUP	NDB-A
				AMDT	6
				DATE	06/13/2002

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30700 ; Amdt. No. 3351]

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.

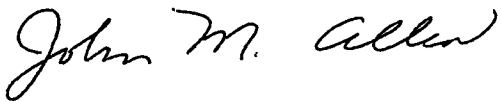
CONCLUSION

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 **NOV 27 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

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
14-Jan-10	UT	SALT LAKE CITY	SALT LAKE CITY INTL	9/1310	11/20/09	ILS RWY 17, AMDT 12B
14-Jan-10	UT	SALT LAKE CITY	SALT LAKE CITY INTL	9/1311	11/20/09	RNAV (GPS) RWY 34L, ORIG-A
14-Jan-10	UT	SALT LAKE CITY	SALT LAKE CITY INTL	9/1312	11/20/09	RNAV (GPS) RWY 17, ORIG-A
14-Jan-10	NH	CONCORD	CONCORD MUNI	9/1350	11/20/09	RNAV (GPS) RWY 17, ORIG
14-Jan-10	NH	CONCORD	CONCORD MUNI	9/1352	11/20/09	VOR A, ORIG
14-Jan-10	NH	CONCORD	CONCORD MUNI	9/1354	11/20/09	RNAV (GPS) RWY 12, ORIG
14-Jan-10	KS	GREAT BEND	GREAT BEND MUNI	9/1653	11/23/09	ILS RWY 35, ORIG-A
14-Jan-10	KS	HUTCHINSON	HUTCHINSON MUNI	9/9700	11/10/09	ILS RWY 13, AMDT 16
14-Jan-10	KS	OLATHE	NEW CENTURY AIRCENTER	9/9701	11/10/09	VOR A, AMDT 6A

AIRAC Date: 14 JAN 2010

FDC 9/1310 SLC FI/P SALT LAKE CITY INTL, SALT LAKE CITY, UT. ILS RWY 17, AMDT 12B...S-LOC 17 MDA 4700 / HAT 481 ALL CATS. VIS CAT D RVR 5000, CAT E RVR 6000. CHANGE NOTE TO READ: FOR INOPERATIVE MALSR INCREASE S-ILS 17 CAT E VISIBILITY TO RVR 4000 AND S-LOC 17 CAT E VISIBILITY TO 1 3/4. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. THIS IS ILS OR LOC RWY 17, AMDT 12C.

FDC 9/1311 SLC FI/P SALT LAKE CITY INTL, SALT LAKE CITY, UT. RNAV (GPS) RWY 34L, ORIG-A...CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. DELETE PLANVIEW NOTE AT FFU VORTAC: ARM APPROACH MODE PRIOR TO THE IAF. THIS IS RNAV (GPS) RWY 34L, ORIG-B.

FDC 9/1312 SLC FI/P SALT LAKE CITY INTL, SALT LAKE CITY, UT. RNAV (GPS) RWY 17, ORIG-A...CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS RNAV (GPS) RWY 17, ORIG-B.

FDC 9/1350 CON FI/P CONCORD MUNI, CONCORD, NH. RNAV (GPS) RWY 17, ORIG...CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. EHFAB TO RW17: 3.05/50. THIS IS RNAV (GPS) RWY 17, ORIG-A.

FDC 9/1352 CON FI/P CONCORD MUNI, CONCORD, NH. VOR A, ORIG...MSA FROM CON VORTAC 043-241 3600, 241-043 4200. THIS IS VOR A, ORIG-A.

FDC 9/1354 CON FI/P CONCORD MUNI, CONCORD, NH. RNAV (GPS) RWY 12, ORIG...CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 12, ORIG-A.

FDC 9/1653 GBD FI/P GREAT BEND MUNI, GREAT BEND, KS. ILS RWY 35, ORIG-A...CHANGE FAF TO READ: BABSY LOM/ I-GBD 6.43 DME. DISTANCE FAF TO MAP: 4.94 NM. CHANGE MAP TO READ: 4.94 MILES AFTER BABSY LOM/I-GBD 6.43 DME OR AT I-GBD 1.49 DME FIX. CHANGE MISSED APPROACH TO READ: CLIMBING LEFT TURN TO 3600 DIRECT GB LOM AND HOLD. DELETE PLANVIEW NOTE: ADF REQUIRED. ADD BRIEFING STRIP NOTE: ADF REQUIRED. THIS IS ILS OR LOC RWY 35, ORIG-B.

FDC 9/9700 HUT FI/P HUTCHINSON MUNI, HUTCHINSON, KS. ILS RWY 13, AMDT 16...CHART NOTE: S-ILS 13 RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA. ADD ATTENTION SYMBOL TO MAKE NOTE APPLY TO S-ILS 13 LINE OF MINIMUMS. THIS IS ILS OR LOC RWY 13, AMDT 16A.

FDC 9/9701 IXD FI/P NEW CENTURY AIRCENTER, OLATHE, KS. VOR A, AMDT 6A...CIRCLING: MDA 1820/HAA 733 ALL CATS. VIS CAT C 2, CAT D 2 1/4. ALTERNATE MINIMUMS: STANDARD, EXCEPT CAT D, 800-2 1/4 AND NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS VOR A, AMDT 6B.