

U.S. Department
of Transportation

**Federal Aviation
Administration**

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

Transmittal Letter 07-18

July 27, 2007

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

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

**The following are corrected copies of procedures published in Transmittal Letter:
07-15, 07-16 and 07-17:**

Atwater, CA, Castle, ILS OR LOC/DME RWY 31, Amdt 1
Bishop, CA, Eastern Sierra Rgnl, RNAV (RNP) RWY 30, Orig
Washington, DC, Washington Dulles Intl, RNAV (RNP) Z RWY 1L, Orig
Washington, DC, Washington Dulles Intl, RNAV (RNP) Z RWY 1R, Orig
Washington, DC, Washington Dulles Intl, RNAV (GPS) Y RWY 19L, Amdt 1
Washington, DC, Washington Dulles Intl, RNAV (GPS) Y RWY 19R, Amdt 2
Washington, DC, Washington Dulles Intl, RNAV (RNP) Z RWY 19R, Orig
Tocca, GA, Toccoa RG Letourneau Field, Takeoff Minimums and Obstacle DP, Amdt 3
Chicago, IL, Chicago-O'Hare Intl, RNAV (GPS) RWY 27L, Amdt 1
Bar Harbor, ME, Hancock County-Bar Harbor, RNAV (GPS) RWY 22, Orig
Kalamazoo, MI, Kalamazoo/Battle Creek International, Takeoff Minimums and Textual
DP, Amdt 9
Starkville, MS, George M Bryan, RNAV (GPS) RWY 36, Amdt 1
Albuquerque, NM, Albuquerque Intl Sunport, VOR OR TACAN RWY 8, Amdt 20A
Hoquiam, WA, Bowerman, ILS OR LOC/DME RWY 24, Amdt 2
Merrill, WI, Merrill Muni, RNAV (GPS) RWY 7, Amdt 1
Cheyenne, WY, Cheyenne Regional/Jerry Olson Field, ILS OR LOC RWY 27, Amdt 34A
Cheyenne, WY, Cheyenne Regional/Jerry Olson Field, RNAV (GPS) RWY 9, Orig-A
Cheyenne, WY, Cheyenne Regional/Jerry Olson Field, RNAV (GPS) RWY 13, Orig-A
Cheyenne, WY, Cheyenne Regional/Jerry Olson Field, RNAV (GPS) RWY 27, Orig-B
Cheyenne, WY, Cheyenne Regional/Jerry Olson Field, RNAV (GPS) RWY 31, Orig-A

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	
HYP VOR/DME (IF/IAF)	SARNE/HYP 6.73 DME	306.05 / 6.73 (I-MER)	1800	ILS: DA LOC: RW31 OR AT HYP 11.59 DME FIX CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT HYP VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 305.20 INBOUND. CHART FAS OBST: 329 T-L TOWER 1 372060N/1203218W CHART 335' TOWER 371809N/1202904W CHART MERCED MUNI-MACREADY FIELD AIRPORT.

THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL07-17.

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE HYP VDME, RT, 305.20 INBOUND, 3000 FT. IN LIEU OF PT (IAF)**
- FAC: 306.05 FAF: SARNE/HYP 6.73 DME DIST FAF TO MAP: THLD: 4.86
- MIN. ALT: **HYP VOR/DME 3000, SARNE 1800**
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 1050
- MIN GS INCPT: 1800 GS ALT AT: OM: MM: IM:
- GS ANGLE: 3.00 TCH: 55.2
- MSA FROM: **HYP VOR/DME 5600**

MAG VAR: 15E EPOCH YEAR: 2000

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 31		378	1/2	200	378	1/2	200	378	1/2	200	378	1/2	200			
S-LOC 31		580	1/2	402	580	1/2	402	580	3/4	402	580	3/4	402			
CIRCLING		620	1	431	640	1	451	640	1 1/2	451	740	2	551			

NOTES:

CHART NOTE: CIRCLING NA SOUTHWEST OF RWY 13-31.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CHART PROFILE NOTE: DISREGARD OM AND MM INDICATIONS.

CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE MERCED MUNI-MACREADY FIELD ALTIMETER

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE ATWATER, CA	ELEVATION: 189 TDZE: 178 AIRPORT NAME: CASTLE	FACILITY IDENTIFIER: I-MER	PROCEDURE NO./AMD T NO.: ILS OR LOC/DME RWY 31, AMDT 1 AUG 30 2007	SUP: AMD T: ORIG-A DATED 01/18/2007
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ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

SETTING AND INCREASE DA/MDAS 20 FEET.

CHART NOTE: DME FROM HYP VOR/DME. SIMULTANEOUS RECEPTION OF I-MER AND HYP DME REQUIRED.

CHART PLAINVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CZQ VORTAC AIRWAY RADIALS 243 CW 348.

CITY AND STATE

ATWATER, CA

ELEVATION: 189 TDZE: 178

AIRPORT NAME:

CASTLE

FACILITY
IDENTIFIER:

I-MER

PROCEDURE NO./AMDT NO.:

ILS OR LOC/DME RWY 31, AMDT 1

AUG 30 2007

SUP:

AMDT: ORIG-A

DATED: 01/18/2007



U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE		ALTITUDE		MAP: DA							
EVERR (IAF) (40E) (43A)		PEMKE (TF) (FB) (RNP 1.00) (40E)		154.80/10.77		10000		CLIMB TO 13000 VIA 300.50 TRACK TO CASPU, RIGHT TURN TO GULSE, 349.51 TRACK TO HARVU, LEFT TURN TO JARUT, 322.50 TRACK TO KIPSE, RIGHT TURN TO MOTSE, 344.50 TRACK TO NUBIC, LEFT TURN TO FASBI, 277.61 TRACK TO NIKOL AND HOLD.							
PEMKE (40E)		FOMES (TF) (FB) (RNP 1.00) (40E) (41E)		154.83/10.00		9000									
FOMES (IF) (40E) (43I)		WALLE (TF) (FB) (RNP 0.50) (40E) (43F)		120.82/6.00		7000		ADDITIONAL FLIGHT DATA: HOLD E, RT, 252.44 INBOUND  CHART 4135 TREE 372139N/1182103W							
WALLE (FAF) (40E) (43F)		BEAVE (RF) (FB) (40E)		(1.80 NM RADIUS CCW ERECEY)5.67		300.52/1.82									
BEAVE (40E)		RW30 (TF) (FO) (40G) (41Y) (43M)		300.50/4.60				DISTANCE TO THLD FROM 323 HAT: 0.75 NM							
RW30 (MAP) (40G) (41Y) (43M)		CASPU (TF) (FB) (RNP 1.00) (40E)		(5.80 NM RADIUS CW ERALEY)4.95											
CASPU (40E)		GULSE (RF) (FB) (RNP 1.00) (40E)						#TCH 4152.2 MSL (DO NOT CHART)							
GULSE (40E)		HARVU (TF) (FB) (RNP 1.00) (40E)		349.51/4.30											

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)										ROUTE TYPE: A, R					
2. PROFILE STARTS AT FOMES										ROUTE TYPE QUALIFIER 1: P					
3. FAC: * FAF: *SEE TERMINAL ROUTES FROM WALLE DIST FAF TO MAP: THLD:										ROUTE TYPE QUALIFIER 2: A, S					
4. MIN. ALT: FOMES 9000										#TCH 4152.2 MSL (DO NOT CHART)					
5. DIST TO THLD FROM OM: 7.49 MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 7000 GS ALT AT: WALLE 7000, BEAVE 4835 OM: MM: IM:										MAG VAR: 15E EPOCH YEAR: 1985					
7. GS ANGLE: 3.52 TCH: 52.1# 34:1 IS NOT CLEAR															
8. MSA FROM: RW30 15500															

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

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	4434	1	323	4434	1	323	4434	1	323	NA					

NOTES: CHART NOTES: RF AND GPS REQUIRED. WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (11F) OR ABOVE 38C (100F). VISIBILITY
REDUCTION BY HELICOPTERS NA. THIS IS A CORRECTED COPY OF THIS PROCEDURE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EVERR VIA V381 NORTHWEST BOUND.
CHART PLANVIEW NOTE AT EVERR: (RNP 0.50)

CITY AND STATE	ELEVATION: 4124 TDZE: 4111	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BISHOP, CA	AIRPORT NAME: EASTERN SIERRA RGNL	RNAV	AUG 30 2007 RNAV (RNP) RWY 30, ORIG	AMDT: NONE
				DATE

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

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TERMINAL ROUTES (CONT'D)

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
HARVU (40E)	JARUT (RF) (FB) (RNP 1.00) (40E)	(12.00 NM RADIUS CCW EYARA)5.62	
JARUT (40E)	KIPSE (TF) (FB) (RNP 1.00) (40E)	322.50/2.10	
KIPSE (40E)	MOTSE (RF) (FB) (RNP 1.00) (40E)	(10.00 NM RADIUS CW EXOXE)3.82	
MOTSE (40E)	NUBIC (TF) (TF) (RNP 1.00) (40E)	344.50/4.00	
NUBIC (40E)	FASBI (RF) (FB) (RNP 1.00) (40E)	(8.00 NM RADIUS CCW EGIYE)9.33	
FASBI (40E)	NIKOL (TF) (FO) (RNP 1.00) (40E) (41E) (43H)	277.61/3.97	13000

CITY AND STATE	ELEVATION: 4124 TDZE: 4111	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
BISHOP, CA	AIRPORT NAME: EASTERN SIERRA RGNL	RNAV	AUG 30 2007 RNAV (RNP) RWY 30, ORIG	AMDT: NONE
				DATED:



RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.														
TERMINAL ROUTES								MISSED APPROACH										
FROM		TO		COURSE AND DISTANCE		ALTITUDE		MAP: DA CLIMB TO 5000 VIA 010.65 TRACK TO WASMA AND LEFT TURN DIRECT HARPP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 134.00 INBOUND. CHART: R-6608A/B/C DIST TO THLD FROM 531 HAT: 1.50 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 340.1 MSL (DO NOT CHART) MAG VAR: 10W EPOCH YEAR: 2000										
DRUZZ (40E)		CSN VORTAC (TF) (FB) (RNP 1.00) (40V) (43A)		153.46/38.88		5000												
SHNON (40E)		CSN VORTAC (TF) (FB) (RNP 1.00) (40V) (43A)		162.86/19.65		5000												
CSN VORTAC (IAF) (40V) (43A)		ERACE (TF) (FB) (RNP 1.00) (40E) (41E)		087.20/19.38		4000												
BRV VORTAC (IAF) (40V) (43A)		ERACE (TF) (FB) (RNP 1.00) (40E) (41E)		357.07/23.12		4000												
ERACE (IF) (40E) (43I)		SKINS (TF) (FB) (RNP 0.50) (40E) (43F)		010.65/7.55		2300												
SKINS (FAF) (40E) (43F)		RW01L (TF) (FO) (40G) (41Y) (43M)		010.65/6.05														
RW01L (MAP) (40G) (41Y) (43M)		WASMA (TF) (FO) (40E)		000.65/1.89														
WASMA (40E)		HARPP (DF) (FO) (40E) (41E) (43H)		309.48/25.16		5000												
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ERACE 3. FAC: <u>010.65</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: <u>ERACE 4000</u> 5. DIST TO THLD FROM OM: <u>6.05</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2300</u> GS ALT AT: <u>SKINS 2300</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>53.8#</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW01L 3400</u>																		
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	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED																		
RNP 0.30 DA	817	1 1/2	531	817	1 1/2	531	817	1 1/2	531	817	1 1/2	531						
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (6F) OR ABOVE 48C (119F). FOR INOPERATIVE MALSR, INCREASE RNP 0.30 VISIBILITY TO 1 3/4 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.																		
THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL07-16.																		
CITY AND STATE				ELEVATION: 312 TDZE: 286				FACILITY IDENTIFIER:				PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:		
WASHINGTON, D.C.				WASHINGTON DULLES INTL				RNAV				RNAV (RNP) Z RWY 1L, ORIG				AUG 30 2007		
																AMDT: NONE		
																DATE		

U.S. Department of Transportation Federal Aviation Administration		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA CLIMB TO 5000 VIA 010.67 TRACK TO FUREE AND LEFT TURN DIRECT HARPP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 134.00 INBOUND CHART FAS OBST: 439 T-L 385441N/0772547W CHART: R-6608A/B/C DIST TO THLD FROM 455 HAT: 1.26 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 364.3 MSL (DO NOT CHART)								
DRUZZ (40E)	CSN VORTAC (TF) (FB) (RNP 1.00) (40V) (43A)	153.46/38.88	5000									
SHNON (40E)	CSN VORTAC (TF) (FB) (RNP 1.00) (40V) (43A)	162.86/19.65	5000									
CSN VORTAC (IAF) (40V) (43A)	MOSBY (TF) (FB) (RNP 1.00) (40E) (41E)	086.80/20.55	3000									
BRV VORTAC (IAF) (40V) (43A)	MOSBY (TF) (FB) (RNP 1.00) (40E) (41E)	359.94/23.28	3000									
MOSBY (IF) (40E) (43I)	WAXIN (TF) (FB) (RNP 0.50) (40E) (43F)	010.66/7.53	1900									
WAXIN (FAF) (40E) (43F)	RW01R (TF) (FO) (40G) (41Y) (43M)	010.67/4.76										
RW01R (MAP) (40G) (41Y) (43M)	FUREE (TF) (FO) (40E)	010.67/4.89										
FUREE (40E)	HARPP (DF) (FO) (40E) (41E) (43H)	304.11/25.22	5000									
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT MOSBY 3. FAC: <u>010.67</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: MOSBY 3000 5. DIST TO THLD FROM OM: <u>4.76</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1900</u> GS ALT AT: WAXIN 1900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>52.6#</u> 34:1 IS CLEAR 8. MSA FROM: RW01R 3400				MAG VAR: 10W EPOCH YEAR: 2000								
MINIMUMS												
TAKEOFF: ☒ STANDARD	SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: ☐ N ☒ A									
CATEGORY =====>	A		B		C		D		E			
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND CREW AUTHORIZATION REQUIRED												
RNP 0.30 DA	767	5000	455	767	5000	455	767	5000	455	767	5000	455
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (6F) OR ABOVE 48C (118F). FOR INOPERATIVE ALSF, INCREASE RNP 0.30 VISIBILITY TO 1 1/2 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL07-16.												
CITY AND STATE		ELEVATION: 312 TDZE: 312		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:			SUP:			
WASHINGTON, D.C.		WASHINGTON DULLES INTL		RNAV		AUG 30 2007 RNAV (RNP) Z RWY 1R, ORIG			AMDT: NONE			
									DATE			



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
DRUZZ	CRVER (FB)	084.11 / 32.72	4100	LPV: DA LNAV/VNAV: DA LNAV: RW19L
SHNON	CRVER (FB)	047.52 / 28.60	4100	
CRVER	YYANG (FB)	100.51 / 11.71	4000	CLIMB TO 2000 VIA 190.67 TRACK TO WAXIN AND HOLD.
MULRR	YYANG (FB)	202.88 / 19.83	4000	
YYANG (IAF)	IZUMI (FB)	190.67 / 6.65	3000	
IZUMI (IF)	DOMSE (FB)	190.67 / 10.35	1700	ADDITIONAL FLIGHT DATA: HOLD S, LT, 010.67 INBOUND. CHART FAS OBST: 498 ANT ON OL BLDG 385733N/0772528W CHART FAS OBST: 510 TANK 390000N/0772459W CHART R-4009. DISTANCE TO THLD FROM 293 HAT: 0.77 NM. CHART VDP AT 1.42 MILES TO RW19L* *LNAV ONLY. WAAS CHANNEL # 58105 REFERENCE PATH ID: W19A

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT IZUMI
3. FAC: 190.67 FAF: DOMSE DIST FAF TO MAP: 4.20 THLD: 4.20
4. MIN. ALT: IZUMI 3000, DOMSE 1700
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1700 GS ALT AT: DOMSE OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 55.3 34:1 IS CLEAR
8. MSA FROM: RW19L 3400

MAG VAR: 10W EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	X	STANDARD		SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A		STANDARD @								
CATEGORY ==>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA		595	2400	293	595	2400	293	595	2400	293	595	2400	293			
LNAV/VNAV DA		829	6000	527	829	6000	527	829	6000	527	829	6000	527			
LNAV MDA		820	2400	518	820	2400	518	820	5000	518	820	6000	518			
CIRCLING		1000	1	688	1000	1	688	1000	2	688	1000	2 1/4	688			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 15C (5F) OR ABOVE 48C (118F). @ CAT D 800-2 1/4
CHART NOTE: DME/DME RNP-0.3 NA.

THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL07-16.

SEE 8260-10

CITY AND STATE WASHINGTON, DC	ELEVATION: 312 TDZE: 302 AIRPORT NAME: WASHINGTON DULLES INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) Y RWY 19L, AMDT 1 AUG 30 2007	SUP: RNAV (GPS) RWY 19L AMDT: ORIG DATED 03/20/2003
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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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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KIAD
RUNWAY RW19L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR Y
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W19A
LTP/FTP LATITUDE 385719.1800N
LTP/FTP LONGITUDE 0772609.5300W
LTP/FTP ELLIPSOIDAL HEIGHT +00575
FPAP LATITUDE 385521.6900N
FPAP LONGITUDE 0772611.2900W
THRESHOLD CROSSING HEIGHT (TCH) 00055.3
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0120
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

C31DC524

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00894
FPAP ORTHOMETRIC HEIGHT +00894

CITY AND STATE
WASHINGTON, DC

ELEVATION: 312 TDZE: 302
AIRPORT NAME:
WASHINGTON DULLES INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) Y RWY 19L, AMDT 1
AUG 30 2007

SUP: RNAV (GPS) RWY
19L
AMDT: ORIG
DATED: 03-20-2003

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KIADK6FR19LY	ADRUZZ	010DRUZZK6EA0E		IF					18000		A JS	
SUSAP	KIADK6FR19LY	ADRUZZ	020CRVERK6EA0E		020TF		08410327		+ 04100			A JS	
SUSAP	KIADK6FR19LY	ADRUZZ	030YYANGK6EA0E	A	020TF		10050117		+ 04000			A JS	
SUSAP	KIADK6FR19LY	ADRUZZ	030YYANGK6EA0E	A	020TF		10050117		+ 04000			A JS	
SUSAP	KIADK6FR19LY	ADRUZZ	040IZUMIK6EA0EE		010TF		19070067		+ 03000			A JS	
SUSAP	KIADK6FR19LY	AMULRR	010MULRRK6EA0E		IF					18000		A JS	
SUSAP	KIADK6FR19LY	AMULRR	020YYANGK6EA0E	A	020TF		20290198		+ 04000			A JS	
SUSAP	KIADK6FR19LY	AMULRR	030IZUMIK6EA0EE		010TF		19070067		+ 03000			A JS	
SUSAP	KIADK6FR19LY	ASHNON	010SHNONK6EA0E		IF					18000		A JS	
SUSAP	KIADK6FR19LY	ASHNON	020CRVERK6EA0E		020TF		04750286		+ 04100			A JS	
SUSAP	KIADK6FR19LY	ASHNON	040IZUMIK6EA0EE		010TF		19070067		+ 03000			A JS	
SUSAP	KIADK6FR19LY	R	010IZUMIK6EA0E	I	IF				+ 03000	18000		A JS	
SUSAP	KIADK6FR19LY	R	020DOMSEK6EA0E	F	051TF		19070104		+ 01700			RW19L K6PGA JS	
SUSAP	KIADK6FR19LY	R	030RW19LK6PGOGY	M	031TF		19070042		00348	-300		A JS	
SUSAP	KIADK6FR19LY	R	040WAXINK6EA0EYM		010CF		1907		+ 02000			A JS	
SUSAP	KIADK6FR19LY	R	050WAXINK6EA0EE	HL020HM			01070040		+ 02000			A JS	

[illegible]

CITY AND STATE WASHINGTON, DC	ELEVATION: 312 TDZE: 302 AIRPORT NAME: WASHINGTON DULLES INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) Y RWY 19L, AMDT 1 AUG 30 2007	SUP: RNAV (GPS) RWY 19L
				AMDT: ORIG
				DATED: 03-20-2003

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

SUSAP KIADK6SRW19LK6PG 0 25180034 M

PAGE 4 OF 6 PAGES

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

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

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DRUZZ	DRUZZ	010		IF		FB				
	DRUZZ	CRVER	020		TF		FB	2.0	084.1 (074T)	032.7	04100
	DRUZZ	YYANG	030	IAF	TF		FB	2.0	100.5 (091T)	011.7	04000
	DRUZZ	YYANG	030	IAF	TF		FB	2.0	100.5 (091T)	011.7	04000
	DRUZZ	IZUMI	040		TF		FB	1.0	190.7 (181T)	006.7	03000
	MULRR	MULRR	010		IF		FB				
	MULRR	YYANG	020	IAF	TF		FB	2.0	202.9 (193T)	019.8	04000
	MULRR	IZUMI	030		TF		FB	1.0	190.7 (181T)	006.7	03000
	SHNON	SHNON	010		IF		FB				
	SHNON	CRVER	020		TF		FB	2.0	047.5 (038T)	028.6	04100
	SHNON	IZUMI	040		TF		FB	1.0	190.7 (181T)	006.7	03000
		IZUMI	010	FACF	IF		FB				03000
		DOMSE	020	FAF	TF		FB	0.5	190.7 (181T)	010.4	01700
		RW19L	030	MAP	TF		FO	0.3	190.7 (181T)	004.2	00348

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WAXIN	040		CF		FO	1.0	190.7 (181T)		02000
	WAXIN	050		HM	L	FO	2.0	010.7 (001T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CRVER	N391839.24	W0774055.79	N3918.654	W07740.930
	DOMSE	N390131.11	W0772605.75	N3901.519	W07726.096
	DRUZZ	N390948.28	W0782128.71	N3909.805	W07821.479
	IZUMI	N391152.58	W0772556.40	N3911.876	W07725.940
	MULRR	N393753.12	W0772008.51	N3937.885	W07720.142
	SHNON	N385559.19	W0780322.35	N3855.987	W07803.373
	WAXIN	N385039.71	W0772615.49	N3850.662	W07726.258
	YYANG	N391832.01	W0772550.37	N3918.534	W07725.840
	RW19L	N385719.18	W0772609.53	N3857.320	W07726.159

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW19L	00293	55

CITY AND STATE
WASHINGTON, DC

ELEVATION: 312 TDZE: 302
 AIRPORT NAME:
 WASHINGTON DULLES INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO.:
RNAV (GPS) Y RWY 19L, AMDT 1

AUG 30 2007

SUP: RNAV (GPS) RWY 19L
AMDT: ORIG
DATED: 03-20-2003

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

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NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DRUSS VIA V4 WEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MULRR VIA V139-143 NORTHEAST BOUND.

CITY AND STATE

WASHINGTON, DC

ELEVATION: 312 TDZE: 302

AIRPORT NAME:

WASHINGTON DULLES INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) Y RWY 19L, AMDT 1

AUG 30 2007

SUP: RNAV (GPS) RWY
19L

AMDT: ORIG

DATED: 03/20/2003

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
DRUZZ	CRVER (FB)	084.11 / 32.72	4100	LPV: DA LNAV/VNAV: DA LNAV: RW19R
SHNON	CRVER (FB)	047.52 / 28.60	4100	
CRVER	DIMKE (FB)	100.51 / 10.61	4000	CLIMB TO 4000 VIA 190.65 TRACK TO BOPAC AND 265.33 TRACK TO BLUES AND HOLD.
MULRR	DIMKE (FB)	205.97 / 20.09	4000	
DIMKE (IAF)	BOYDS (FB)	190.65 / 6.02	4000	ADDITIONAL FLIGHT DATA: HOLD W, RT, 076.21 INBOUND. CHART FAS OBST: 430 ANT 385915N/0772651W CHART R4009. DISTANCE TO THLD FROM 277 HAT: 0.71 NM. CHART VDP AT 1.07 MILES TO RW19R* *LNAV ONLY. WAAS CHANNEL # 40305 REFERENCE PATH ID: W19B
BOYDS (IF)	FEMKO (FB)	190.65 / 10.61	1500	

THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL07-16.

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT BOYDS
- FAC: 190.65 FAF: FEMKO DIST FAF TO MAP: 3.66 THLD: 3.66
- MIN. ALT: BOYDS 4000, FEMKO 1500
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 1500 GS ALT AT: FEMKO OM: MM: IM:
- GS ANGLE: 3.00 TCH: 54.0 34:1 IS CLEAR
- MSA FROM: RW19R 3400

MAG VAR: 10W

EPOCH YEAR: 2000

MINIMUMS

TAKEOFF: ☒ STANDARD	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A STANDARD @								
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	549	2400	277	549	2400	277	549	2400	277	549	2400	277			
LNAV/VNAV DA	717	5000	445	717	5000	445	717	5000	445	717	5000	445			
LNAV MDA	680	2400	408	680	2400	408	680	4000	408	680	5000	408			
CIRCLING	1000	1	688	1000	1	688	1000	2	688	1000	2 1/4	688			

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.

@ CAT D 800-2 1/4

SEE 8260-10

CITY AND STATE WASHINGTON, DC	ELEVATION: 312 TDZE: 272 AIRPORT NAME: WASHINGTON DULLES INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) Y RWY 19R, AMDT 2 AUG 30 2007	SUP: RNAV (GPS) RWY 19R AMDT: 1 DATED 01/20/2005
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RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

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

0
0
KIAD
RW19R
0
Y
0
W19B
385814.3000N
0772733.5700W
+00500
385620.6400N
0772735.2200W
00054.0
F
03.00
106.75
0000
40.0
50.0

CRC REMAINDER

BFCF4E1F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+00819
+00819

CITY AND STATE

WASHINGTON, DC

ELEVATION: 312 TDZE: 272

AIRPORT NAME:

WASHINGTON DULLES INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO.:

RNAV (GPS) Y RWY 19R, AMDT 2

AUG 30 2007

SUP: RNAV (GPS) RWY
19R

AMDT: 1

DATED: 01-20-2005

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KIADK6FR19RY	ADRUZZ	010DRUZZK6EA0E		IF					18000		A JS	
SUSAP	KIADK6FR19RY	ADRUZZ	020CRVERK6EA0E		020TF		08410327	+	04100			A JS	
SUSAP	KIADK6FR19RY	ADRUZZ	030DIMKEK6EA0E	A	020TF		10050106	+	04000			A JS	
SUSAP	KIADK6FR19RY	ADRUZZ	030DIMKEK6EA0E	A	020TF		10050106	+	04000			A JS	
SUSAP	KIADK6FR19RY	ADRUZZ	040BOYDSK6EA0EE		010TF		19070060	+	04000			A JS	
SUSAP	KIADK6FR19RY	AMULRR	010MULRRK6EA0E		IF					18000		A JS	
SUSAP	KIADK6FR19RY	AMULRR	020DIMKEK6EA0E	A	020TF		20600201	+	04000			A JS	
SUSAP	KIADK6FR19RY	AMULRR	030BOYDSK6EA0EE		010TF		19070060	+	04000			A JS	
SUSAP	KIADK6FR19RY	ASHNON	010SHNONK6EA0E		IF					18000		A JS	
SUSAP	KIADK6FR19RY	ASHNON	020CRVERK6EA0E		020TF		04750286	+	04100			A JS	
SUSAP	KIADK6FR19RY	ASHNON	040BOYDSK6EA0EE		010TF		19070060	+	04000			A JS	
SUSAP	KIADK6FR19RY	R	010BOYDSK6EA0E	I	IF			+	04000	18000		A JS	
SUSAP	KIADK6FR19RY	R	020FEMKOK6EA0E	F	051TF		19070106	+	01500		RW19R K6PGA	JS	
SUSAP	KIADK6FR19RY	R	030RW19RK6PGOGY	M	031TF		19070037		00323	-300		A JS	
SUSAP	KIADK6FR19RY	R	040BOPACK6EA0E		010CF		1907					A JS	
SUSAP	KIADK6FR19RY	R	050BLUESK6EA0EY		010TF		2653	+	04000			A JS	
SUSAP	KIADK6FR19RY	R	060BLUESK6EA0EE		HR020HM		07620050	+	04000			A JS	

SUP:	RNAV (GPS) RWY 19R
AMDT:	1
DATED:	01-20-2005

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[illegible]

SUP:	RNAV (GPS) RWY 19R
AMDT:	1
DATED:	01-20-2005

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

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NOTES CONT.

CHART PROFILE NOTE: VGSJ AND RNAV GLIDEPATH NOT COINCIDENT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DRUZZ VIA V4 WEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MULRR VIA V139-143 NORTHEAST BOUND.

CITY AND STATE

WASHINGTON, DC

ELEVATION: 312 TDZE: 272

AIRPORT NAME:

WASHINGTON DULLES INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) Y RWY 19R, AMDT 2

AUG 30 2007

SUP: RNAV (GPS) RWY
19R

AMDT: 1

DATED: 01/20/2005

U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
SHNON (40E)	CRVER (TF) (FB) (RNP 1.00) (40E)	047.52/28.60	4100	MAP: DA								
DRUZZ (40E)	CRVER (TF) (FB) (RNP 1.00) (40E)	084.11/32.72	4100									
CRVER (40E)	DIMKE (TF) (FB) (RNP 1.00) (40E) (43A)	100.51/10.61	4000									
MULRR (40E)	DIMKE (TF) (FB) (RNP 1.00) (40E) (43A)	205.97/20.09	4000	CLIMB TO 4000 VIA 190.65 TRACK TO BOPAC AND VIA 265.33 TRACK TO BLUES AND HOLD.								
DIMKE (IAF) (40E) (43A)	BOYDS (TF) (FB) (RNP 0.50) (40E) (41E)	190.65/6.02	4000									
TRING (40E)	BGBRO (TF) (FB) (RNP 1.00) (40E) (43A)	023.78/9.85	4000									
BGBRO (IAF) (40E) (43A)	BOYDS (RF) (FB) (RNP 0.50) (40E) (41E)	(3.75 NM RADIUS CCW ZAGIB) /12.64	4000	ADDITIONAL FLIGHT DATA: HOLD W, RT, 076.21 INBOUND CHART FAS OBST: 430 TWR 385914N/0772651W DIST TO THLD FROM 468 HAT: 1.31 NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: A, S #TCH: 322.7 MSL (DO NOT CHART)								
CONTINUED ON PAGE 2												
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT BOYDS 3. FAC: 190.65 FAF: DIST FAF TO MAP: THLD: 4. MIN. ALT: BOYDS 4000, CIREP 2500 5. DIST TO THLD FROM OM: 3.66 MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 1500 GS ALT AT: FEMKO 1500 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 54.0# 34:1 IS CLEAR 8. MSA FROM: RW19R 3400				MAG VAR: 10W EPOCH YEAR: 2000								
MINIMUMS												
TAKEOFF: ☒ STANDARD ☐ 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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED												
RNP 0.30 DA	740	6000	468	740	6000	468	740	6000	468	740	6000	468
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -14C (6F) OR ABOVE 47C (117F). FOR INOPERATIVE ALSF, INCREASE RNP 0.30 VISIBILITY TO 1 3/4 CHART PLANVIEW NOTE AT BGBRO: MAX 210 KIAS, AT CRVER: MAX 220 KIAS. CHART PLANVIEW NOTE AT TRING: RF REQUIRED THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL07-16. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.												
CITY AND STATE		ELEVATION: 312 TDZE: 272		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:		SUP:				
WASHINGTON, D.C.		WASHINGTON DULLES INTL		RNAV		RNAV (RNP) Z RWY 19R, ORIG		AMDT: NONE				
								DATE				



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

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TERMINAL ROUTES (CONTINUED FROM PAGE 1):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BOYDS (IF) (40E) (43I)	CIREP (TF) (FB) (RNP 0.50) (40E) (43S)	190.65/ 7.43	2500
CIREP (40E) (43S)	FEMKO (TF) (FB) (RNP 0.50) (40E) (43F)	190.65/3.18	1500
FEMKO (FAF) (40E) (43F)	RW19R (TF) (FO) (40G) (41Y) (43M)	190.65/3.66	
RW19R (MAP) (40G) (41Y) (43M)	BOPAC (TF) (FB) (RNP 1.00) (40E)	190.65/4.94	
BOPAC (40E)	BLUES (TF) (FO) (RNP 1.00) (40E) (41E) (43H)	265.33/21.67	4000

CITY AND STATE WASHINGTON, D.C.	ELEVATION: 312 TDZE: 272	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: AUG 30 2007 RNAV (RNP) Z RWY 19R, ORIG	SUP:
	AIRPORT NAME: WASHINGTON DULLES INTL			AMDT: NONE
	DATED:			



TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 2, STANDARD WITH MINIMUM CLIMB OF 430 FT PER NM TO 2600 OR 1600-3 FOR CLIMB IN VISUAL CONDITIONS.

RWY 9, 20 STANDARD.

RWY 27, STANDARD WITH MINIMUM CLIMB OF 478 FT PER NM TO 2500 OR 1600-3 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 9 - CLIMB HEADING 093.31 TO 2000 BEFORE TURNING ON COURSE.

RWY 20 - CLIMB HEADING 205.85 TO 2200 BEFORE TURNING ON COURSE.

RWY 2, 27 - FOR CLIMB IN VISUAL CONDITIONS: CROSS TOCCOA RG LETOURNEAU FIELD AIRPORT AT OR ABOVE 2,600 MSL BEFORE PROCEEDING ON COURSE.

THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 07-17

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2, TREE 142' FROM DER, 458' RIGHT OF CENTERLINE, 57' AGL/1,032' MSL, SCATTERED TREES 71' FROM DER, 271' RIGHT OF CENTERLINE, 57' AGL/989' MSL.

NOTE: RWY 9, TERRAIN 99' FROM DER, 177' RIGHT OF CENTERLINE, 975' MSL, TERRAIN 108' FROM DER, 126' LEFT OF CENTERLINE, 955' MSL.

NOTE: RWY 20, PYLON 376' FROM DER, 520' LEFT OF CENTERLINE, 23' AGL/1,008' MSL, MULTIPLE TREES 589' FROM DER, 196' RIGHT OF CENTERLINE, UP TO 66' AGL/1,120' MSL, MULTIPLE TREES 553' FROM DER, 62' LEFT OF CENTERLINE, UP TO 89' AGL/1,107' MSL.

NOTE: RWY 27, WLET 1420 1.1 NM FROM DER, 1,818' LEFT OF CENTERLINE, 354' AGL/1,364' MSL.

(4) CONTROLLING OBSTACLES:

RWY 2: 4890 MSL AAO 345741.00N/0831756.00W, 2040 MSL TOWER 343636.00N/0832215.00W

RWY 9: 4890 MSL AAO 345741.00N/0831756.00W

RWY 20: 1995 MSL TOWER 343143.00N/0832233.00W, 4890 MSL AAO 345741.00N/0831756.00W

RWY 27: 1364 MSL WLET 343523.00N/0831911.00W, 2040 MSL TOWER 343636.00N/0832215.00W

RWY 2, 27 (VCOA): 2040 MSL TOWER 343636.00N/0832215.00W, 4890 MSL AAO 345741.00N/0831756.00W

(5) City, State

TOCCOA, GA

(6) Airport

TOCCOA RG LETOURNEAU FIELD

(7) Effective Date

AUG 30 2007

(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	
WILLA (IAF)	LAIRD (FB)	275.99 / 7.47	3000	LPV: DA LNAV/VNAV: DA LNAV: RW27L CLIMB TO 4000 DIRECT JIGEX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 092.77 INBOUND. CHART FAS OBST: 773 TANK 415925N/0875318W CHART FAS OBST: 816 BLDG 415859N/0875044W DISTANCE TO THLD FROM 282 HAT: 0.73 NM. CHART VDP AT 1.26 MILES TO RW27L* *LNAV ONLY. WAAS CHANNEL # 77804 REFERENCE PATH ID: W27A CHART TDZE 653
LAIRD (IF)	EBENS (FB)	273.20 / 3.15	3000	
EBENS	TAFFS (FB)	273.20 / 5.43	2200	

THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 07-17.

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT LAIRD
3. FAC: 273.07 FAF: TAFFS DIST FAF TO MAP: 4.64 THLD: 4.64
4. MIN. ALT: LAIRD 3000, EBENS 3000, TAFFS 2200
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2200 GS ALT AT: TAFFS OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 51.5 34:1 IS CLEAR
8. MSA FROM: RW27L 3400

MAG VAR: 3W EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A			STANDARD						
CATEGORY =====>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA		935	2400	282	935	2400	282	935	2400	282	935	2400	282			
LNAV/VNAV DA		1111	5000	458	1111	5000	458	1111	5000	458	1111	5000	458			
LNAV MDA		1120	2400	467	1120	2400	467	1120	4000	467	1120	5000	467			
CIRCLING		1220	1	552	1220	1	552	1220	1 1/2	552	1220	2	552			

NOTES:
 CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LPV ALL CATS VISIBILITY TO RVR 5000.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CITY AND STATE CHICAGO, IL	ELEVATION: 668 TDZE: 653 AIRPORT NAME: CHICAGO-O'HARE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 27L, AMDT 1 AUG 30 2007	SUP: RNAV (GPS) RWY 27R AMDT: ORIG DATED 12/27/2001
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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.

CITY AND STATE
CHICAGO, IL

ELEVATION: 668 TDZE: 653
AIRPORT NAME:
CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 27L, AMDT 1
AUG 30 2007

SUP:	RNAV (GPS) RWY 27R
AMDT:	ORIG
DATED:	12/27/2001

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

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

DATA

0
0
KORD
RW27L
0
0
W27A
415902.0400N
0875320.5800W
+01645
415902.0300N
0875506.0700W
00051.5
F
03.00
106.75
0000
40.0
50.0

CRC REMAINDER

B63D4CB9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K5
+01981
+01981

CITY AND STATE CHICAGO, IL	ELEVATION: 668 TDZE: 653 AIRPORT NAME: CHICAGO-O'HARE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 27L, AMDT 1 AUG 30 2007	SUP: RNAV (GPS) RWY 27R
				AMDT: ORIG
				DATED: 12-27-2006



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

[illegible]

SUP:	RNAV (GPS) RWY 27R
AMDT:	ORIG
DATED:	12-27-2001

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

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SUSAP KORDK5SRW27LK5PG

0 25180034

M

CITY AND STATE

CHICAGO, IL

ELEVATION: 668 TDZE: 653

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO.:

RNAV (GPS) RWY 27L, AMDT 1

AUG 30 2007

SUP: RNAV (GPS) RWY
27R

AMDT: ORIG

DATED: 12-27-2007



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 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WILLA	WILLA	010	IAF	IF		FB				
	WILLA	LAIRD	020		TF		FB	1.0	276.0 (273T)	007.5	03000
		LAIRD	010	FACF	IF		FB				03000
		EBENS	011	SDF	TF		FB	1.0	273.2 (270T)	003.2	03000
		TAFFS	020	FAF	TF		FB	0.5	273.2 (270T)	005.4	02200
		RW27L	030	MAP	TF		FO	0.3	273.1 (270T)	004.6	00702

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JIGEX	040		DF		FO	1.0			04000
	JIGEX	050		HM	R	FO	2.0	092.8 (090T)	005.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EBENS	N415901.25	W0873950.71	N4159.021	W08739.845
	JIGEX	N415900.12	W0881419.84	N4159.002	W08814.331
	LAIRD	N415900.68	W0873537.33	N4159.011	W08735.622
	TAFFS	N415901.87	W0874707.17	N4159.031	W08747.120
	WILLA	N415837.76	W0872537.15	N4158.629	W08725.619
	RW27L	N415902.04	W0875320.58	N4159.034	W08753.343

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW27L	00650	52

CITY AND STATE
CHICAGO, IL

ELEVATION: 668 TDZE: 653
 AIRPORT NAME:
 CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
 RNAV (GPS) RWY 27L, AMDT 1
 AUG 30 2007

SUP: RNAV (GPS) RWY 27R
AMDT: ORIG
DATED: 12-27-2006



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE					
DIRNE (IAF)	BECRA (NOPT) (FB)	313.76 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW22				
CARDA (IAF)	BECRA (NOPT) (FB)	133.62 / 5.00	3000	CLIMB TO 2900 DIRECT WHAME AND HOLD.				
BECRA (IF/IAF)	CDLAC (FB)	223.69 / 6.40	2100					
THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL07-16.				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 043.52 INBOUND. CHART FAS OBST: 303 TREE 442903N/0682013W CHART FAS OBST: 193 TREE 442804N/0682051W CHART VDP AT 1.43 MILES TO RW22 *LNAV ONLY. WAAS CHANNEL # 86305 REFERENCE PATH ID: W22A DISTANCE TO THLD FROM 250 HAT: 0.67 NM				
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE BECRA, RT, 223.69 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 223.65 FAF: CDLAC DIST FAF TO MAP: 6.11 THLD: 6.11 4. MIN. ALT: BECRA 3000, CDLAC 2100 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2100 GS ALT AT: CDLAC OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 51.1 34:1 IS CLEAR 8. MSA FROM: _____				MAG VAR: 19W EPOCH YEAR: 1985				
MINIMUMS								
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @			
CATEGORY =====>	A		B		C		D	E
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LPV DA	333	1	250	333	1	250	333	1
LNAV/VNAV DA	472	1 1/2	389	472	1 1/2	389	472	1 1/2
LNAV MDA	580	3/4	497	580	3/4	497	580	1 1/2
CIRCLING	600	1	517	620	1	537	640	2
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT C. CHART NOTE: BARO-VNAV NA WHEN USING BANGOR ALTIMETER SETTING. CHART NOTE: WAAS VNAV NA CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15C (5F) OR ABOVE 49C (120F). SEE 8260-10								
CITY AND STATE		ELEVATION: 83 TDZE: 83		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 22, ORIG		SUP:
BAR HARBOR, ME		AIRPORT NAME: HANCOCK COUNTY-BAR HARBOR				AUG 30 2007		AMDT: NONE
								DATED



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

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

NOTES CONT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PROFILE NOTE: VGS1 AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE BANGOR ALTIMETER SETTING AND INCREASE LPV

DA TO 416, LNAV/VNAV DA TO 623, ALL MDA'S 100 FT.

CHART NOTE: VDP NA WHEN USING BANGOR ALTIMETER SETTING

TAA

	FROM	TO	ALT
1.	134/30 CW 314/30 (NOPT)	BECRA (IF/IAF) (FB)	3000
2.	314/30 CW 044/30	DIRNE (IAF) (FB)	3000
3.	044/30 CW 134/30	CARDA (IAF) (FB)	3000

CITY AND STATE

BAR HARBOR, ME

ELEVATION: 83 TDZE: 83

AIRPORT NAME:

HANCOCK COUNTY-BAR HARBOR

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 22, ORIG

AUG 30 2007

SUP:

AMDT: NONE

DATED:



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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

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

0
0
KBHB
RW22
0
0
W22A
442724.5800N
0682132.4400W
-00033
442637.8900N
0682202.2900W
00051.1
F
03.00
87.25
0000
40.0
50.0

CRC REMAINDER

62191D5F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+00211
+00211

CITY AND STATE

BAR HARBOR, ME

ELEVATION: 83 TDZE: 83

AIRPORT NAME:

HANCOCK COUNTY-BAR HARBOR

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 22, ORIG

AUG 30 2007

SUP:

AMDT: NONE

DATED:



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

[illegible]

SUP:	
AMDT:	NONE
DATED:	



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
→	BECRA	BECRA	010		HF	R	FB		223.7 (205T)	005.0	03000
	CARDA	CARDA	010	IAF	IF		FB				
		BECRA	020		TF		FB	1.0	133.6 (115T)	005.0	03000
	DIRNE	DIRNE	010	IAF	IF		FB				
		BECRA	020		TF		FB	1.0	313.8 (295T)	005.0	03000
		BECRA	010	FACF	IF		FB				03000
		CDLAC	020	FAF	TF		FB	0.5	223.7 (205T)	006.4	02100
		RW22	030	MAP	TF		FO	0.3	223.7 (205T)	006.1	00120

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	WHAME	040		DF		FO	1.0			02900
	WHAME	050		HM	R	FO	2.0	043.5 (025T)	005.0	02900

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
→	BECRA	N443846.80	W0681414.60	N4438.780	W06814.243
	CARDA	N444051.93	W0682036.63	N4440.866	W06820.611
	CDLAC	N443257.69	W0681759.03	N4432.962	W06817.984
	DIRNE	N443641.32	W0680753.03	N4436.689	W06807.884
	WHAME	N441537.02	W0682903.18	N4415.617	W06829.053
	RW22	N442724.58	W0682132.44	N4427.410	W06821.541

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	00069	51

CITY AND STATE
BAR HARBOR, MEELEVATION: 83 TDZE: 83
AIRPORT NAME:
HANCOCK COUNTY-BAR HARBORFACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 22, ORIG
AUG 30 2007SUP:
AMDT: NONE
DATED:

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 5, 9, 17, 23, 27, 35, STANDARD

(2) DEPARTURE PROCEDURE:

THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 07-17.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 5, LIGHT POLE 906' FROM DER, 511' LEFT OF CENTERLINE, 25' AGL/879' MSL. MULTIPLE TREES BEGINNING 1433' FROM DER, 90' LEFT OF CENTERLINE, UP TO 65' AGL/914' MSL. MULTIPLE TOWERS BEGINNING 2399' FROM DER, 331' RIGHT OF CENTERLINE, UP TO 119' AGL/970' MSL. MULTIPLE TREES BEGINNING 156' FROM DER, 163' RIGHT OF CENTERLINE, UP TO 78' AGL/917' MSL. NOTE: RWY 9, MULTIPLE TREES BEGINNING 588' FROM DER, ON CENTERLINE, UP TO 104' AGL/958' MSL. ANTENNA 2187' FROM DER, 222' RIGHT OF CENTERLINE, 69' AGL/928' MSL. TREE 677' FROM DER, 214' RIGHT OF CENTERLINE, 45' AGL/899' MSL. NOTE: RWY 17, RAILROAD 587' FROM DER, 613' LEFT OF CENTERLINE, 17' AGL/885' MSL. TREE 691' FROM DER, 583' RIGHT OF CENTERLINE, 57' AGL/894' MSL. (CONTINUED).

(4) CONTROLLING OBSTACLES:

(5) City, State

KALAMAZOO, MI

(6) Airport

KALAMAZOO/BATTLE CREEK INTERNATIONAL

(7) Effective Date

AUG 30 2007

(8) Amdt. No.

9

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 5, 9, 17, 23, 27, 35, STANDARD

(2) DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 5, LIGHT POLE 906' FROM DER, 511' LEFT OF CENTERLINE, 25' AGL/879' MSL. MULTIPLE TREES BEGINNING 1433' FROM DER, 90' LEFT OF CENTERLINE, UP TO 65' AGL/914' MSL. MULTIPLE TOWERS BEGINNING 2399' FROM DER, 331' RIGHT OF CENTERLINE, UP TO 119' AGL/970' MSL. MULTIPLE TREES BEGINNING 156' FROM DER, 163' RIGHT OF CENTERLINE, UP TO 78' AGL/917' MSL. NOTE: RWY 9, MULTIPLE TREES BEGINNING 588' FROM DER, ON CENTERLINE, UP TO 104' AGL/958' MSL. ANTENNA 2187' FROM DER, 222' RIGHT OF CENTERLINE, 69' AGL/928' MSL. TREE 677' FROM DER, 214' RIGHT OF CENTERLINE, 45' AGL/899' MSL. NOTE: RWY 17, RAILROAD 587' FROM DER, 613' LEFT OF CENTERLINE, 17' AGL/885' MSL. TREE 691' FROM DER, 583' RIGHT OF CENTERLINE, 57' AGL/894' MSL. (CONTINUED).

(4) CONTROLLING OBSTACLES:

(5) City, State

KALAMAZOO, MI

(6) Airport

KALAMAZOO/BATTLE CREEK INTERNATIONAL

(7) Effective Date

AUG 30 2007

(8) Amdt. No.

9

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.								
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION												
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 3400 DIRECT FESBO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3400. ADDITIONAL FLIGHT DATA: HOLD N, RT, 179.57 INBOUND. CHART FAS OBST: 464 TWR 332438N/0885048W CHART FAS OBST: 523 TOWER 332245N/0885155W DISTANCE TO THLD FROM 417 HAT: 1.15 NM. WAAS CHANNEL # 53604 REFERENCE PATH ID: W36A CHART R-4404 A, B, C CHART TDZE: 326 CHART APT ELEV 333								
BUGKA (IAF)	KIMVE (NOPT) (FB)	269.61 / 5.00	2800									
CANBU (IAF)	KIMVE (NOPT) (FB)	089.51 / 5.00	2800									
KIMVE (IF/IAF)	ACOVO (FB)	359.56 / 6.01	2000									
THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 07-15												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S KIMVE, LT, 359.56 INBOUND, 2800 FT. IN LIEU OF PT (IAF) 3. FAC: 359.56 FAF: ACOVO DIST FAF TO MAP: 5.02 THLD: 5.02 4. MIN. ALT: KIMVE 2800, ACOVO 2000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR 8. MSA FROM: _____				MAG VAR: 1W EPOCH YEAR: 2005								
MINIMUMS												
TAKEOFF: X	STANDARD	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @				
CATEGORY ==>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	743	1 1/2	417	743	1 1/2	417	743	1 1/2	417	743	1 1/2	417
LNAV/VNAV DA	771	1 1/2	445	771	1 1/2	445	771	1 1/2	445	771	1 1/2	445
LNAV MDA	820	1	494	820	1	494	820	1 1/4	494	820	1 1/2	494
CIRCLING	920	1	587	920	1	587	920	1 1/2	587	920	2	587
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING GOLDEN TRIANGLE REGIONAL ALTIMETER SETTING. CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE GOLDEN TRIANGLE REGIONAL ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 40 FEET. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). SEE 8260-10												
CITY AND STATE		ELEVATION: 333 TDZE: 326		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO.:		SUP:				
STARKVILLE, MS		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 36, AMDT 1		AMDT:		ORIG		
		GEORGE M BRYAN				AUG 30 2007		DATED		07/07/2005		



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 except visibilities which are in statute miles or in feet RVR.

NOTES CONT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: VDP NA WHEN USING GOLDEN TRIANGLE REGIONAL ALTIMETER SETTING

TAA

	FROM	TO	ALT
1.	270/30 CW 090/30 (NOPT)	KIMVE (IF/IAF) (FB)	2800
2.	090/30 CW 180/30	CANBU (IAF) (FB)	3400
3.	180/30 CW 270/30	BUGKA (IAF) (FB)	3400

CITY AND STATE

STARKVILLE, MS

ELEVATION: 333 TDZE: 326

AIRPORT NAME:

GEORGE M BRYAN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO.:

RNAV (GPS) RWY 36, AMDT 1

AUG 30 2007

SUP:

AMDT: ORIG

DATED: 07/07/2005

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, otherwise indicated except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

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

0
0
KSTF
RW36
0
0
W36A
332531.7735N
0885054.1460W
+00696
332701.0100N
0885056.8300W
00055.0
F
03.00
106.75
1056
40.0
50.0

CRC REMAINDER

2BAF3EA6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K7
+00978
+00978

CITY AND STATE
STARKVILLE, MS

ELEVATION: 333 TDZE: 326
AIRPORT NAME:
GEORGE M BRYAN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO.:
RNAV (GPS) RWY 36, AMDT 1

AUG 30 2007

SUP:
AMDT: ORIG
DATED: 07-07-2005

**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. Distances are in nautical miles except visibilities which are in statute miles or in feet RVR.

[illegible]

CITY AND STATE STARKVILLE, MS	ELEVATION: 333 TDZE: 326 AIRPORT NAME: GEORGE M BRYAN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) RWY 36, AMDT 1 AUG 30 2007	SUP:
				AMDT: ORIG
				DATED: 07-07-2005



**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. Distances are in nautical miles except visibilities which are in statute miles or in feet RVR.

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BUGKA	BUGKA	010	IAF	IF		FB				
	BUGKA	KIMVE	020		TF		FB	1.0	269.6 (269T)	005.0	02800
	CANBU	CANBU	010	IAF	IF		FB				
	CANBU	KIMVE	020		TF		FB	1.0	089.5 (089T)	005.0	02800
	KIMVE	KIMVE	010		HF	L	FB		359.6 (359T)	005.0	02800
		KIMVE	010	FACF	IF		FB				02800
		ACOV0	020	FAF	TF		FB	0.5	359.6 (359T)	006.0	02000
		RW36	030	MAP	TF		FO	0.3	359.6 (359T)	005.0	00376

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FESBO	040		DF		FO	1.0			03400
	FESBO	050		HM	R	FO	2.0	179.6 (179T)	005.0	03400

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACOV0	N332029.81	W0885045.11	N3320.497	W08850.752
	BUGKA	N331436.00	W0884436.72	N3314.600	W08844.612
	CANBU	N331420.90	W0885631.88	N3314.348	W08856.531
	FESBO	N333727.71	W0885115.52	N3337.462	W08851.259
	KIMVE	N331428.59	W0885034.32	N3314.477	W08850.572
	RW36	N332531.77	W0885054.15	N3325.530	W08850.903

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW36	00321	55

CITY AND STATE
STARKVILLE, MS

ELEVATION: 333 TDZE: 326
AIRPORT NAME:
GEORGE M BRYAN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 36, AMDT 1
AUG 30 2007

SUP:
AMDT: ORIG
DATED: 07-07-2005



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR OR TACAN 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
HEGMA/10.00 DME (IAF)	ABQ VORTAC (NOPT)	075.35 / 10.00	8000
THIS IS A CORRECTED COPY OF THIS PROCEDURE.			

MAP: 9.76 MILES AFTER ABQ VORTAC OR AT MACOL/ABQ 9.76 DME FIX

CLIMB TO 6200 THEN CLIMBING RIGHT TURN TO 8000 DIRECT ALBUQUERQUE VORTAC AND HOLD (TACAN AIRCRAFT CONTINUE VIA ABQ R-272 TO AROYO INT/ABQ 15 DME AND HOLD W, RT, 092 INBOUND).

ADDITIONAL FLIGHT DATA:

HOLD W, LT, 077.00 INBOUND.
CHART FAS OBST: 5730 120' OIL RIG \$
350239N/1064235W
CHART FAS OBST: 5449 BLDG 350305N/1063715W
CHART VDP AT 8.72 DME;
DISTANCE VDP TO THLD 1.04 MILES.
CHART ASR
CHART ABQ R-255 AT HEGMA/10.00 DME.

1. PT R SIDE OF COURSE 256.76 OUTBOUND 8000 FT WITHIN 10 MILES OF ABQ VORTAC (IAF)
- 2.
3. FAC 076.76 FAF ABQ VORTAC DIST FAF TO MAP 9.76 THLD 9.76
4. MIN. ALT ABQ VORTAC 8000, EYECE/6.75 DME 6180
8. MSA FROM: ABQ VORTAC 020-110 11800, 110-200 10900, 200-020 9100

MAG VAR: 13E

EPOCH YEAR: 1965

MINIMUMS

TAKEOFF:	☐ STANDARD	☒ X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		☒ G					
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-8	6180	4000	860	6180	4000	860	6180	2	860	6180	2 1/4	860	6180	2 1/2	860	
CIRCLING	6180	1	825	6180	1 1/4	825	6180	2 1/2	825	6180	2 3/4	825	6180	3	825	

EYECE FIX MINIMUMS

S-8	5700	2400	380	5700	2400	380	5700	2400	380	5700	5000	380	6180	2 1/2	860
CIRCLING	5840	1	485	5840	1	485	5900	1 1/2	545	5920	2	565	6180	3	825

NOTES:

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-8 CAT A VISIBILITY TO RVR 5000, AND CAT E VISIBILITY TO 3 MILES.

© CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4, CAT E 900-3

CHART NOTE: CIRCLING NA FOR CAT E EAST OF RWY 17/35.

CHART NOTE: EYECE FIX MINIMUMS: FOR INOPERATIVE MALSR, INCREASE S-8 CAT D VISIBILITY TO RVR 6000, AND CAT E VISIBILITY TO 3 MILES.

CITY AND STATE ALBUQUERQUE, NM	ELEVATION: 5355 TDZE: 5320 AIRPORT NAME: ALBUQUERQUE INTL SUNPORT	FACILITY IDENTIFIER: ABQ	PROCEDURE NO./AMDT NO.: VOR OR TACAN RWY 8, AMDT 20A AUG 30 2007	SUP AMDT 20 DATE 11/25/2004
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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.

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
HQM VORTAC	NEYDI/H-QM 6.59 DME	061.17 / 14.95 (HQM R-061)	2800	ILS: DA LOC: H-QM 0.91 DME FIX	
ULESS/HQM 30.00 DME (IAF)	LAMMB/H-QM 12.64 DME (NOPT)	183.00 / 7.29 (HDG) & 240.84 / 4.50 (I-HQM)	2300	CLIMB TO 2500 DIRECT HQM VORTAC AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1300 THEN CLIMBING LEFT TURN TO 3000 DIRECT HQ LOM AND HOLD NE, LT, 240.84 INBOUND, CONTINUE CLIMB-IN-HOLD TO 3000. (ADF REQUIRED).	
SOUPY/HQM 30.00 DME (IAF)	LAMMB/H-QM 12.64 DME (NOPT)	286.00 / 5.87 (HDG) & 240.84 / 4.50 (I-HQM)	2300		
ZEDAT/HQM 21.00 DME CCW (IAF)	ONPAE/HQM 21.00 DME (NOPT)	21.00 DME ARC	2800	ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.00 INBOUND. DO NOT CHART ALTERNATE MA HOLDING AT ABERN LOM CHART FAS OBST: 328 POLE 465851N/1235238W CHART 839 AAO 465927N/1234712W. CHART 493 TREE 465854N/1235201W. CHART LOM SUBDUED CHART VDP AT 2.53 DME; DISTANCE VDP TO THLD 1.62 MILES. CHART HQM R-082 AT ONPAE. CHART HQM R-148 AT PUGIC. CHART HQM R-163 AT ZEDAT. CHART IN PLANVIEW: HQ LOM. CHART: (COXOD) AT INTERSECTION OF DR LEG AND INTERMEDIATE CRS.	
PUGIC/HQM 21.00 DME CCW (IAF)	ONPAE/HQM 21.00 DME (NOPT)	21.00 DME ARC	2800		
SEE 8260-10 THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 07-16					
1. PT <u>L</u> SIDE OF COURSE <u>060.84</u> OUTBOUND <u>2300</u> FT WITHIN <u>10</u> MILES OF <u>NEYDI</u> (IAF)					
2. _____					
3. FAC: <u>240.84</u> FAF: <u>NEYDI/H-QM 6.59 DME</u> DIST FAF TO MAP: <u>-</u> THLD: <u>5.68</u>					
4. MIN. ALT: <u>NEYDI 1900</u> , <u>WIMET/H-QM 3.03 DME 840*</u>					
5. DIST TO THLD FROM OM: <u>5.68</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>890</u>					
6. MIN GS INCPT: <u>1900</u> GS ALT AT: <u>NEYDI 1900</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u>					
7. GS ANGLE: <u>3.00</u> TCH: <u>46.9</u>					
8. MSA FROM: <u>HQM VORTAC 050-170 3000, 170-300 1300, 300-050 3600</u>					
MAG VAR: <u>19E</u> EPOCH YEAR: <u>1995</u>					

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: #	LOC: STANDARD									
CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 24	743	2	727	743	2	727	743	2	727	743	2	727			
S-LOC 24	580	3/4	564	580	3/4	564	580	1	564	580	1 1/4	564			
CIRCLING	580	1	562	580	1	562	580	1 1/2	562	600	2	582			

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 24 ALL CATS VISIBILITY TO 2 1/2, INCREASE S-LOC 24 CATS A AND B VISIBILITY TO 1.

CHART NOTE: CIRCLING NA NW OF RWY 6-24.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

SEE 8260-10

CITY AND STATE HOQUIAM, WA	ELEVATION: 18 TDZE: 16 AIRPORT NAME: BOWERMAN	FACILITY IDENTIFIER: I-HQM	PROCEDURE NO./AMDT NO.: ILS OR LOC/DME RWY 24, AMDT 2 AUG 30 2007	SUP: ILS/DME RWY 24 AMDT: 1A DATED 08/08/2007
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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.

TERMINAL ROUTES CONT.

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ONPAE/HQM 21.00 DME CCW	LAMMB/HQM 12.64 DME (NOPT)	21.00 DME ARC (HQM LR-067)	2300
LAMMB/HQM 12.64 DME (IF)	NEYDM/HQM 6.59 DME	240.84 / 6.05 (I-HQM)	1900

NOTES CONT.

CHART PROFILE NOTE: VGSJ AND ILS GLIDEPATH NOT COINCIDENT.

*LOC ONLY

CHART PROFILE NOTE: USE I-HQM DME WHEN ON LOCALIZER COURSE.

CHART PLANVIEW NOTE: DME REQUIRED.

CITY AND STATE

HOQUIAM, WA

ELEVATION: 18

TDZE: 16

AIRPORT NAME:

BOWERMAN

FACILITY
IDENTIFIER:
I-HQM

PROCEDURE NO./AMDT NO.:

ILS OR LOC/DME RWY 24, AMDT 2

AUG 30 2007

SUP: ILS/DME RWY 24

AMDT: 1A

DATED: 08/08/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
AUW VORTAC	KEYBE (FB)	310.90 / 18.99	3500	LPV: DA LNAV/VNAV: DA LNAV: RW07	
KEYBE (IAF)	JELUR (NOPT) (FB)	339.43 / 5.00	3500	CLIMB TO 3500 DIRECT FOROG AND HOLD.	
LACIY (IAF)	JELUR (NOPT) (FB)	116.84 / 4.80	3500		
JELUR (IF/IAF)	GEKPE (FB)	069.40 / 6.20	3000		
THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 07-17.				ADDITIONAL FLIGHT DATA: HOLD E, RT, 249.77 INBOUND. CHART FAS OBST: 1449 TREE 451118N/0894451W DISTANCE TO THLD FROM 317 HAT: 0.87 NM. CHART VDP AT 1.07 MILES TO RW07* *LNAV ONLY. WAAS CHANNEL # 70604 REFERENCE PATH ID: W07A	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD W JELUR, RT, 069.40 INBOUND, 3500 FT. IN LIEU OF PT (IAF)
- FAC: 069.49 FAF: GEKPE DIST FAF TO MAP: 5.08 THLD: 5.08
- MIN. ALT: JELUR 3500, GEKPE 3000, ZUMBO/2.10 NM TO RW07 2020*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 3000 GS ALT AT: GEKPE OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM: RW07 3600

MAG VAR: 1W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM	8260-15A	FOR THIS AIRPORT	ALTERNATE: N A			STANDARD @						
CATEGORY =====>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA		1635	1 1/4	317	1635	1 1/4	317	1635	1 1/4	317		NA				
LNAV/VNAV DA		1754	1 1/2	436	1754	1 1/2	436	1754	1 1/2	436		NA				
LNAV MDA		1700	1	382	1700	1	382	1700	1	382		NA				
CIRCLING		1760	1	442	1780	1	462	1780	1 1/2	462		NA				

NOTES:

CHART NOTE: CIRCLING TO RWY 16-34 NA AT NIGHT.

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

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).

CHART NOTE: DME/DME RNP-0.3 NA.

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE MERRILL, WI	ELEVATION: 1318 TDZE: 1318 AIRPORT NAME: MERRILL MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 7, AMDT 1 AUG 30 2007	SUP: AMDT: ORIG DATED 06/10/2004
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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.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

*LNAV ONLY

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AUW VORTAC VIA AIRWAY RADIALS 271 CW 005.

CHART NOTE: VDP NA WHEN USING WAUSAU ALTIMETER SETTING.

CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE WAUSAU ALTIMETER SETTING, INCREASE ALL
DAS 55 FEET AND ALL MDAS 60 FEET.

CITY AND STATE

MERRILL, WI

ELEVATION: 1318 TDZE: 1318

AIRPORT NAME:

MERRILL MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 7, AMDT 1

AUG 30 2007

SUP:

AMDT: ORIG

DATED: 06/10/2004

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 KRRL
RUNWAY RW07
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W07A
LTP/FTP LATITUDE 451144.6795N
LTP/FTP LONGITUDE 0894330.6095W
LTP/FTP ELLIPSOIDAL HEIGHT +03686
FPAP LATITUDE 451217.2100N
FPAP LONGITUDE 0894133.3000W
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 1192
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

03AD7887

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +04018
FPAP ORTHOMETRIC HEIGHT +04018

CITY AND STATE

MERRILL, WI

ELEVATION: 1318 TDZE: 1318

AIRPORT NAME:

MERRILL MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 7, AMDT 1

AUG 30 2007

SUP:

AMDT:

ORIG

DATED:

06-10-2007

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 - 424-17[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KRRLK5FR07	AAUW	010AUW	K5D	0V	IF					18000		A	S
SUSAP KRRLK5FR07	AAUW	020KEYBEK5EA0E	A	020TF		31090190		+ 03500				A	S
SUSAP KRRLK5FR07	AAUW	030JELURK5EA0EE		010TF		33940050		+ 03500				A	S
SUSAP KRRLK5FR07	ALACIY	010LACIYK5EA0E	A	IF						18000		A	S
SUSAP KRRLK5FR07	ALACIY	020JELURK5EA0EE		010TF		11680048		+ 03500				A	S
SUSAP KRRLK5FR07	AJELUR	010JELURK5EA0EE	CR	HF		06940050		+ 03500		18000		A	S
SUSAP KRRLK5FR07	R	010JELURK5EA0E	I	IF				+ 03500		18000		A	S
SUSAP KRRLK5FR07	R	020GEKPEK5EA0E	F	051TF		06940062		+ 03000			RW07	K5PGA	S
SUSAP KRRLK5FR07	R	021ZUMBOK5EA0E	S	031TF		06950031		V 0202002031		-300		A	S
SUSAP KRRLK5FR07	R	030RW07	K5PG0GY	M	031TF	06950020		01358		-300		A	S
SUSAP KRRLK5FR07	R	040FOROGK5EA0EYM		010DF				+ 03500				A	S
SUSAP KRRLK5FR07	R	050FOROGK5EA0EE	HR020HM			24980050		+ 03500				A	S

[illegible]

CITY AND STATE

MERRILL W1

ELEVATION: 1318 TDZE: 1318
AIRPORT NAME:
MERRILL MUNI

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 7, AMDT 1
AUG 30 2007

SUP:

AMDT: **ORIG** *QA*

DATED: 06-10-2004

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.

01318000040075

SUSAP KRRLK5PR07	RW07 001	0000W07A0N4511446795W08943306095+036860300N4512172100W08941333000106751192000400F40050003AD7887
SUSAP KRRLK5PR07	RW07 002	+04018+04018W07A 70604 000

SUSAP KRRLK58RW07 K5PG 0 25180036 M

SUP: _____
AMDT: _____ ORIG 04
DATED: 06-10-2004

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 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ADW	ADW	010		IF		FB				
	ADW	KEYBE	020	IAP	TF		FB	2.0	310.9 (310T)	019.0	03500
	ADW	JELUR	030		TF		FB	1.0	339.4 (338T)	005.0	03500
	LACIY	LACIY	010	IAP	IF		FB				
	LACIY	JELUR	020		TF		FB	1.0	116.8 (116T)	004.8	03500
	JELUR	JELUR	010		HF	R	FB		069.4 (068T)	005.0	03500
		JELUR	010	FACF	IF		FB				03500
		GEKPE	020	PAF	TF		FB	0.5	069.4 (068T)	006.2	03000
		ZUMBO	021	SDF	TF		FB	0.3	069.5 (069T)	003.1	02020
		RW07	030	MAP	TF		FO	0.3	069.5 (069T)	002.0	01358

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FOROG	040		DF		FO	1.0			03500
	FOROG	050		HM	R	FO	2.0	249.8 (249T)	005.0	03500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ADW	N445048.49	W0893511.74	N4450.808	W08935.196
	FOROG	N451613.90	W0892714.70	N4516.232	W08927.245
	GEKPE	N450953.13	W0895011.64	N4509.886	W08950.194
	JELUR	N450736.47	W0895820.46	N4507.608	W08958.341
	KEYBE	N450257.54	W0895544.69	N4502.959	W08955.745
	LACIY	N450942.25	W0900426.94	N4509.704	W09004.449
	ZUMBO	N451058.62	W0894616.44	N4510.977	W08946.274
	RW07	N451144.68	W0894330.61	N4511.745	W08943.510

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW07	01318		40

CITY AND STATE
MERRILL, WI

ELEVATION: 1318 TDZE: 1318
 AIRPORT NAME:
 MERRILL MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
 RNAV (GPS) RWY 7, AMDT 1
 AUG 30 2007

SUP:
 AMDT: ORIG 04
 DATED: 06-10-2004

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: 5.06 MILES AFTER HORSE LOM CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 8000 DIRECT CYS VORTAC AND HOLD (TACAN AIRCRAFT CONTINUE VIA CYS VORTAC R-016 TO MARK/CYS 10.00 DME AND HOLD N, RT, 196 INBOUND); OR WHEN DIRECTED BY ATC, CLIMB TO 6700 THEN CLIMBING RIGHT TURN TO 8000 DIRECT CY LOM AND HOLD E, RT, 265.38 INBOUND (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD N, RT, 196.00 INBOUND. CHART FAS OBST: 6189 TREE 410918N/1044309W CHART 6295 TOWER 410934N/1044121W. CHART CYS R-026 AT POGTE. CHART CYS R-179 AT LECID. CHART CYS R-154 AT CIKNU. CHART CYS R-041 AT VIDE. CHART: ASR/PAR CHART (ZUNUG) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE. DO NOT CHART ALTERNATE MISSED APPROACH HOLDING AT HORSE LOM. CHART AIRPORT ELEVATION 6160.							
CYS VORTAC		HORSE LOM		119.08 / 5.74				8500									
HAMER INT/GLL 32.45 DME (IAF)		COLLA INT/GLL 37.86 DME (NOPT)		350.00 / 5.42 (GLL R-350)				7800									
POGTE/CYS 13.00 DME CW (IAF)		COLLA INT/CYS 13.00 DME (NOPT)		13.00 DME ARC (CYS LR-088)				7800									
VIDEE INT/CYS 13.00 DME CW (IAF)		COLLA INT/CYS 13.00 DME (NOPT)		13.00 DME ARC (CYS LR-088)				7800									
LECID/CYS 15.00 DME CCW (IAF)		CIKNU/CYS 15.00 DME (NOPT)		15.00 DME ARC				7900									
SEE 8260-10																	
THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 07-16																	
1. PT <u>L</u> SIDE OF COURSE <u>085.30</u> OUTBOUND <u>7800</u> FT WITHIN <u>10</u> MILES OF <u>HORSE LOM</u> (IAF)																	
2.																	
3. FAC: <u>265.30</u> FAF: <u>HORSE LOM</u> DIST FAF TO MAP: <u>5.06</u> THLD: <u>5.06</u>																	
4. MIN. ALT: <u>HORSE LOM 7800</u>																	
5. DIST TO THLD FROM OM: <u>5.06</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>918</u>																	
6. MIN GS INCPT: <u>7800</u> GS ALT AT: <u>GS INTCP</u> OM: <u>7791</u> MM: <u>-</u> IM: <u>-</u>																	
7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u>																	
8. MSA FROM: <u>HORSE LOM 030-155 7400, 155-300 9400, 300-030 8400</u>																	
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A		ILS: STANDARD #		LOC: STANDARD #			
CATEGORY		A		B		C		D		E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
S-ILS 27	6321	2400	200	6321	2400	200	6321	2400	200	6321	2400	200					
S-LOC 27	6440	2400	319	6440	2400	319	6440	2400	319	6440	4000	319					
CIRCLING	6660	1	500	6660	1	500	6660	1 1/2	500	6720	2	560					
NOTES: CHART NOTE: FOR INOPERATIVE MALSRs, INCREASE S-LOC 27 CAT D VISIBILITY TO RVR 5000.																	
# @ NA WHEN CONTROL TOWER CLOSED.																	
CITY AND STATE CHEYENNE, WY				ELEVATION: 6160 TDZE: 6121 AIRPORT NAME: CHEYENNE RGNL/JERRY OLSON FIELD				FACILITY IDENTIFIER: ICYS				PROCEDURE NO./AMDT NO.: ILS OR LOC RWY 27, AMDT 34A AUG 30 2007				SUP: AMDT: 34 DATED 03/17/2005	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD

INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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TERMINAL ROUTES CONT. FROM	TO	COURSE AND DISTANCE	ALTITUDE
CIKNU/CYS 15.00 DME CCW (IAF)	HOBDA/CYS 15.00 DME (NOPT)	15.00 DME ARC (CYS LR-104)	7800
EGBER INT/CYS 23.23 DME (IAF)	COLLA INT/GLL 37.86 DME (NOPT)	220.30 / 5.48 (HDG) & 265.30 / 6.82 (I-CYS)	7800
HOBDA/CYS 15.00 DME (IF)	HORSE LOM (NOPT)	265.30 / 10.00 (I-CYS)	7800
COLLA INT/CYS 13.00 DME (IF)	HORSE LOM (NOPT)	265.30 / 7.94 (I-CYS)	7800

CITY AND STATE

CHEYENNE, WY

ELEVATION: 6160

TDZE: 6121

AIRPORT NAME:

CHEYENNE RGNL/JERRY OLSON FIELD

FACILITY
IDENTIFIER:
I-CYS

PROCEDURE NO / AMDT NO.:

ILS OR LOC RWY 27, AMDT 34A

AUG 30 2007

SUP:

AMDT: 34

DATED: 03/17/2005

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

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TERMINAL ROUTES										MISSED APPROACH							
FROM			TO			COURSE AND DISTANCE			ALTITUDE		LNAV: RW09						
BARGR			TODVE (FB)			342.44 / 17.55			10600		CLIMB TO 8500 DIRECT CIVOS AND VIA 120.58 TRACK TO HAMER AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 300.51 INBOUND. CHART FAS OBST: 6239 TREE 410943N/1044954W CHART 6269 TREE 411018N/1045154W. CHART VDP AT 1.09 MILES TO RW09. HAXUG TO RW09: 3.05/50. CHART: ASR/PAR CHART AIRPORT ELEVATION 6160.						
CYS VORTAC			TODVE (FB)			253.28 / 16.49			10600								
TODVE (IF/IAF)			SIGSE (FB)			085.07 / 6.70			8600								
SIGSE			HAXUG (FB)			085.07 / 2.68			7800								
THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 07-16																	
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. HOLD W TODVE, RT, 085.07 INBOUND, 10600 FT. IN LIEU OF PT (IAF) 3. FAC: 085.21 FAF: HAXUG DIST FAF TO MAP: 4.97 THLD: 4.97 4. MIN. ALT: TODVE 10600, SIGSE 8600, HAXUG 7800, WIKAR/1.89 NM TO RW09 6800 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: RW09 10300																	
										MAG VAR: 10E EPOCH YEAR: 2005							
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		STANDARD							
CATEGORY ==>		A			B			C			D			E			
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA		6540	1	396	6540	1	396	6540	1	396	6540	1 1/4	396				
CIRCLING		6660	1	500	6660	1	500	6660	1 1/2	500	6720	2	560				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.																	
CITY AND STATE				ELEVATION: 6160 TDZE: 6144				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO.:				SUP:	
CHEYENNE, WY				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 9, ORIG-A				AMDT: ORIG	
				CHEYENNE REGIONAL/JERRY OLSON FIELD								AUG 30 2007				DATED 03/17/2005	

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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCYSK1FP09	ABARGR	010BARGRK2EA0E	IF						18000		G	S
SUSAP	KCYSK1FP09	ABARGR	020TODVEK1EA0E	A 020TF		34240177	+	10600				G	S
SUSAP	KCYSK1FP09	ABARGR	030TODVEK1EA0EE	CR HF		08510060	+	10600				G	S
SUSAP	KCYSK1FP09	ACYS	010CYS K1D 0V	IF						18000		G	S
SUSAP	KCYSK1FP09	ACYS	020TODVEK1EA0E	A 020TF		25330165	+	10600				G	S
SUSAP	KCYSK1FP09	ACYS	030TODVEK1EA0EE	CR HF		08510060	+	10600				G	S
SUSAP	KCYSK1FP09	P	010TODVEK1EA0E	I IF			+	10600		18000		G	S
SUSAP	KCYSK1FP09	P	011SIGSEK1EA0E	S 051TF		08510067	+	08600				G	S
SUSAP	KCYSK1FP09	P	020HAXUGK1EA0E	F 051TF		08510027	+	07800			RW09 K1PGG	S	
SUSAP	KCYSK1FP09	P	021WIKARK1EA0E	S 031TF		08520031	+	06800		-305		G	S
SUSAP	KCYSK1FP09	P	030RW09 K1PGOGY	M 031TF		08520019		06194		-305		G	S
SUSAP	KCYSK1FP09	P	040	0 M 010CA		0852	+	06540				G	S
SUSAP	KCYSK1FP09	P	050CIVOSK1EA0E	010DF								G	S
SUSAP	KCYSK1FP09	P	060HAMERK1EA0EY	010TF		1206	+	08500				G	S
SUSAP	KCYSK1FP09	P	070HAMERK1EA0EE	HR020HM		30050060	+	08500				G	S

SUP:	
AMDT:	ORIG
DATED:	03-17-2005

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[illegible]

CITY AND STATE CHEYENNE, WY	ELEVATION: 6156 TDZE: 6144 AIRPORT NAME: CHEYENNE REGIONAL/JERRY OLSON FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) RWY 9, ORIG-A AUG 30 2007	SUP:
				AMDT: ORIG
				DATED: 03-17-2005



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 424-15

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
BARGR	BARGR	BARGR	010		IF		FB				
BARGR	TODVE	TODVE	020	IAF	TF		FB	2.0	342.4 (352T)	017.7	10600
BARGR	TODVE	TODVE	030		HF	R	FB		085.1 (095T)	006.0	10600
CYS	CYS	CYS	010		IF		FB				
CYS	TODVE	TODVE	020	IAF	TF		FB	2.0	253.3 (263T)	016.5	10600
CYS	TODVE	TODVE	030		HF	R	FB		085.1 (095T)	006.0	10600
	TODVE	TODVE	010	FACF	IF		FB				10600
	SIGSE	SIGSE	011	SDF	TF		FB	0.5	085.1 (095T)	006.7	08600
	HAXUG	HAXUG	020	FAF	TF		FB	0.5	085.1 (095T)	002.7	07800
	WIKAR	WIKAR	021	SDF	TF		FB	0.3	085.2 (095T)	003.1	06800
	RW09	RW09	030	MAP	TF		FO	0.3	085.2 (095T)	001.9	06194

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	085.2 (095T)		06540
	CIVOS	050		DF		FB	1.0			
	HAMER	060		TF		FO	1.0	120.6 (131T)		08500
	HAMER	070		HM	R	FO	2.0	300.5 (311T)	006.0	08500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CYS	N411239.43	W1044622.48	N4112.657	W10446.375
	BARGR	N405311.31	W1050459.35	N4053.189	W10504.989
	CIVOS	N410846.71	W1044022.44	N4108.779	W10440.374
	HAMER	N410239.20	W1043056.20	N4102.653	W10430.937
	HAXUG	N410951.05	W1045541.49	N4109.851	W10455.692
	SIGSE	N411005.59	W1045913.41	N4110.093	W10459.224
	TODVE	N411041.49	W1050803.61	N4110.692	W10508.060
	WIKAR	N410934.20	W1045137.95	N4109.570	W10451.633
	RW09	N410923.77	W1044908.22	N4109.396	W10449.137

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	06144	50

CITY AND STATE
CHEYENNE, WY

ELEVATION: 6156 TDZE: 6144
AIRPORT NAME:
CHEYENNE REGIONAL/JERRY OLSON FIELD

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 9, ORIG-A
AUG 30 2007

SUP:
AMDT: ORIG
DATED: 03-17-2005

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: RW13 CLIMB TO 8500 DIRECT KOREC AND VIA 103.42 TRACK TO HAMER AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 300.51 INBOUND. CHART FAS OBST: 6319 TREE 411052N/1045054W CHART 6329 TREE 411102N/1045138W. EXUMY TO RW13: 3.05/55. CHART: ASR/PAR CHART AIRPORT ELEVATION 6160.								
CYS VORTAC	EMOTY (FB)	287.25 / 12.29	9000									
SENSE	EMOTY (FB)	003.95 / 3.58	9300									
MILKY (IAF)	EMOTY (NOPT) (FB)	125.74 / 8.42	9000									
EMOTY (IF/IAF)	EXUMY (FB)	125.15 / 6.96	7900									
THIS IS A CORRECTED COPY OF A PROCEDURE		PUBLISHED IN TL 07-16										
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW EMOTY, LT, 125.15 INBOUND, 9000 FT. IN LIEU OF PT (IAF) 3. FAC: 125.23 FAF: EXUMY DIST FAF TO MAP: 5.24 THLD: 5.24 4. MIN. ALT: EMOTY 9000, EXUMY 7900, JIMIG/1.92 NM TO RW13 6820 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW13 10300				MAG VAR: 10E EPOCH YEAR: 2005								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD							
CATEGORY ==>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	6580	1	429	6580	1	429	6580	1 1/4	429	6580	1 1/2	429
CIRCLING	6660	1	500	6660	1	500	6660	1 1/2	500	6720	2	560
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.												
CITY AND STATE		ELEVATION: 6160 TDZE: 6151		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO.:		SUP:				
CHEYENNE, WY		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 13, ORIG-A		AMDT:		ORIG		
		CHEYENNE REGIONAL/JERRY OLSON FIELD				AUG 30 2007		DATED		03/17/2005		

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

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ARINC PACKET - 424-15[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCYSK1FP13	ACYS	010CYS	K1D 0V	IF					18000		G	S
SUSAP	KCYSK1FP13	ACYS	020EMOTYK1EA0E	A 020TF		28730123		+ 09000				G	S
SUSAP	KCYSK1FP13	ACYS	030EMOTYK1EA0EE	CL HF		12520060		+ 09000				G	S
SUSAP	KCYSK1FP13	AMILKY	010MILKYK1EA0E	A IF						18000		G	S
SUSAP	KCYSK1FP13	AMILKY	020EMOTYK1EA0EE	010TF		12570084		+ 09000				G	S
SUSAP	KCYSK1FP13	ASENSE	010SENSEK1EA0E	IF						18000		G	S
SUSAP	KCYSK1FP13	ASENSE	020EMOTYK1EA0E	A 020TF		00400036		+ 09300				G	S
SUSAP	KCYSK1FP13	ASENSE	030EMOTYK1EA0EE	CL HF		12520060		+ 09000				G	S
SUSAP	KCYSK1FP13	P	010EMOTYK1EA0E	I IF				+ 09000		18000		G	S
SUSAP	KCYSK1FP13	P	020EXUMYK1EA0E	F 051TF		12520070		+ 07900			RW13	K1PGG	S
SUSAP	KCYSK1FP13	P	021JTMIGK1EA0E	S 031TF		12520033		+ 06820		-305		G	S
SUSAP	KCYSK1FP13	P	030RW13	K1PGOGY M 031TF		12520019		06206		-305		G	S
SUSAP	KCYSK1FP13	P	040	0 M 010CA		1252		+ 06556				G	S
SUSAP	KCYSK1FP13	P	050KORECK1EA0E	010DF								G	S
SUSAP	KCYSK1FP13	P	060HAMERK1EA0EY	010TF		1034		+ 08500				G	S

CITY AND STATE
CHEYENNE, WY

ELEVATION: 6156 TDZE: 6151
AIRPORT NAME:
CHEYENNE REGIONAL/JERRY OLSON FIELD

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 13, ORIG-A

AUG 30 2007

SUP:	
AMDT:	ORIG
DATED:	03-17-2005



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

30050060 + 08500

G S

SUSAP KCYSK1GRW13 0056311253 N41093652W104492900-0500

06151106055150

SUSAP KCYSK1SRW13 K1PG

0 25180103

M

AUG 30 2007

DATED: 03-17-2005

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-15

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CYS	CYS	010		IF		FB				
	CYS	EMOTY	020	IAF	TF		FB	2.0	287.3 (297T)	012.3	09000
	CYS	EMOTY	030		HF	L	FB		125.2 (135T)	006.0	09000
	MILKY	MILKY	010	IAF	IF		FB				
	MILKY	EMOTY	020		TF		FB	1.0	125.7 (136T)	008.4	09000
	SENSE	SENSE	010		IF		FB				
	SENSE	EMOTY	020	IAF	TF		FB	2.0	004.0 (014T)	003.6	09300
	SENSE	EMOTY	030		HF	L	FB		125.2 (135T)	006.0	09000
		EMOTY	010	FACF	IF		FB				09000
		EXUMY	020	FAF	TF		FB	0.5	125.2 (135T)	007.0	07900
		JIMIG	021	SDF	TF		FB	0.3	125.2 (135T)	003.3	06820
		RW13	030	MAP	TF		FO	0.3	125.2 (135T)	001.9	06206

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	125.2 (135T)		06556
	KOREC	050		DF		FB	1.0			
	HAMER	060		TF		FO	1.0	103.4 (113T)		08500
	HAMER	070		HM	R	FO	2.0	300.5 (311T)	006.0	08500

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CYS	N411239.43	W1044622.48	N4112.657	W10446.375
	EMOTY	N411816.37	W1050052.42	N4118.273	W10500.874
	EXUMY	N411319.82	W1045422.01	N4113.330	W10454.367
	HAMER	N410239.20	W1043056.20	N4102.653	W10430.937
	JIMIG	N411058.20	W1045116.08	N4110.970	W10451.268
	KOREC	N410806.92	W1044731.67	N4108.115	W10447.528
	MILKY	N412418.43	W1050839.97	N4124.307	W10508.666
	SENSE	N411447.98	W1050201.06	N4114.800	W10502.018
	RW13	N410936.52	W1044929.00	N4109.609	W10449.483

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW13	06151		55

CITY AND STATE
CHEYENNE, WY

ELEVATION: 6156 TDZE: 6151
AIRPORT NAME:
CHEYENNE REGIONAL/JERRY OLSON FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 13, ORIG-A

AUG 30 2007

SUP:
AMDT: ORIG
DATED: 03-17-2005



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
CYS VORTAC	COLLA (FB)	100.64 / 13.00	8600	LPV: DA LNAV/VNAV: DA LNAV: RW27			
POGTE	FERBU (FB)	142.36 / 9.92	8000				
VIDEE	FERBU (FB)	150.99 / 6.54	8000	CLIMB TO 10300 DIRECT AYIYU AND VIA 291.10 TRACK TO SENSE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10300.			
EGBER (IAF)	COLLA (NOPT) (FB)	245.74 / 11.37	7800				
FERBU (IAF)	COLLA (NOPT) (FB)	175.49 / 6.00	7800	ADDITIONAL FLIGHT DATA: HOLD W, LT, 090.37 INBOUND. CHART FAS OBST: 6144 POLE 410907N/1044725W CHART 6297 TOWER 410934N/1044320W. DISTANCE TO THLD FROM 259 HAT: 0.71 NM. CHART VDP AT 1.27 MILES TO RW27* *LNAV ONLY. WAAS CHANNEL # 70307 REFERENCE PATH ID: W27A DISTANCE TO THLD FROM 259 HAT: 0.71NM. CHART: ASR/PAR CHART AIRPORT ELEVATION 6160.			
SEE 8260-10							
THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 07-16							

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. HOLD E COLLA, RT, 265.48 INBOUND, 7800 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>265.37</u> FAF: <u>TORJU</u>	DIST FAF TO MAP: <u>5.09</u> THLD: <u>5.09</u>
4. MIN. ALT: <u>COLLA 7800, TORJU 7800</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>7800</u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 34:1 IS CLEAR	
8. MSA FROM: <u>RW27 10300</u>	

MINIMUMS															
TAKEOFF: <u> </u>	STANDARD <u>X</u>	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: <u>N A</u>	STANDARD										
CATEGORY <u>=====</u>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	6380	2400	259	6380	2400	259	6380	2400	259	6380	2400	259			
LNAV/VNAV DA	6480	4000	359	6480	4000	359	6480	4000	359	6480	4000	359			
LNAV MDA	6560	2400	439	6560	2400	439	6560	4000	439	6560	5000	439			
CIRCLING <u>▶</u>	6660	1	500	6660	1	500	6660	1 1/2	500	6720	2	560			

NOTES:
CHART NOTE: BARO-VNAV NA BELOW -27C (-16F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CYS VORTAC ON AIRWAY RADIAL 154.

CITY AND STATE CHEYENNE, WY	ELEVATION: 6160 TDZE: 6121 AIRPORT NAME: CHEYENNE REGIONAL/JERRY OLSON FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 27, ORIG-B AUG 30 2007	SUP: AMDT: ORIG-A DATED 5/12/05
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES CONT.

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HAMER (IAF)	COLLA (NOPT) (FB)	355.28 / 5.42	7800
COLLA (IF/IAF)	TORJU (FB)	265.48 / 7.91	7800

CITY AND STATE

CHEYENNE, WY

ELEVATION: 6160 TDZE: 6121

AIRPORT NAME:

CHEYENNE REGIONAL/JERRY OLSON FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO / AMDT NO.:

RNAV (GPS) RWY 27, ORIG-B

AUG 30 2007

SUP:

AMDT: ORIG-A

DATED: 5/12/05

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

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

0
0
KCYS
RW27
0
0
W27A
410916.5080N
1044724.3085W
+18429
410924.3275N
1044916.1475W
00055.0
F
03.00
106.75
0000
40.0
50.0

CRC REMAINDER

8F2B6F6A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K1
+18592
+18592

CITY AND STATE
CHEYENNE, WY

ELEVATION: 6156 TDZE: 6121
AIRPORT NAME:
CHEYENNE REGIONAL/JERRY OLSON FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 27, ORIG-B

AUG 30 2007

SUP:
AMDT: ORIG-A
DATED: 5/12/05



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[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCYSK1FR27	ACYS	010CYS	K1D 0V	IF					18000		A JS	
SUSAP	KCYSK1FR27	ACYS	020COLLAK1EA0E	A 020TF			10060130	+ 08600				A JS	
SUSAP	KCYSK1FR27	ACYS	030COLLAK1EA0EE	CR HF			26550060	+ 07800				A JS	
SUSAP	KCYSK1FR27	AEGBER	010EGBERK1EA0E	A IF						18000		A JS	
SUSAP	KCYSK1FR27	AEGBER	020COLLAK1EA0EE	010TF			24570114	+ 07800				A JS	
SUSAP	KCYSK1FR27	AHAMER	010HAMERK1EA0E	A IF						18000		A JS	
SUSAP	KCYSK1FR27	AHAMER	020COLLAK1EA0EE	010TF			35530054	+ 07800				A JS	
SUSAP	KCYSK1FR27	APOGTE	010POGTEK1EA0E	IF						18000		A JS	
SUSAP	KCYSK1FR27	APOGTE	020FERBUK1EA0E	A 020TF			14240099	+ 08000				A JS	
SUSAP	KCYSK1FR27	APOGTE	030COLLAK1EA0EE	R010TFY			17550060	+ 07800				A JS	
SUSAP	KCYSK1FR27	AVIDEE	010VIDEEK1EA0E	IF						18000		A JS	
SUSAP	KCYSK1FR27	AVIDEE	020FERBUK1EA0E	A 020TF			15100065	+ 08000				A JS	
SUSAP	KCYSK1FR27	AVIDEE	030COLLAK1EA0EE	R010TFY			17550060	+ 07800				A JS	

CITY AND STATE CHEYENNE, WY	ELEVATION: 6156 TDZE: 6121 AIRPORT NAME: CHEYENNE REGIONAL/JERRY OLSON FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.:	SUP:
			RNAV (GPS) RWY 27, ORIG-B	AMDT: ORIG-A
			AUG 30 2007	DATED: 5/12/05



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SUSAP	KCYSK1FR27	R	010COLLAK1EA0E	I	IF		+ 08600	18000			A JS
SUSAP	KCYSK1FR27	R	020TORJUK1EA0E	F	051TF	26550079	+ 07800		RW27	K1PGA	JS
SUSAP	KCYSK1FR27	R	030RW27	K1PG0GY	M 031TF	26540051	06155		-300		A JS
SUSAP	KCYSK1FR27	R	040AYIYUK1EA0E		010DF						A JS
SUSAP	KCYSK1FR27	R	050SENSEK1EA0EY		010TF	2911	+ 10300				A JS
SUSAP	KCYSK1FR27	R	060SENSEK1EA0EE		HL020HM	09040070	+ 10300				A JS

[illegible]

SUSAP KCYSK1GRW27 0085922653 N41091651W104472431+0600 06100067555150

[illegible]

SUSAP	KCYSK1PR27	RW27	001	0000W27A0N4109165080W10447243085+184290300N4109243275W10449161475106750000000550F4005008F2B6F6A
SUSAP	KCYSK1PR27	RW27	002	+18592+18592W27A 70307 000

[illegible]

SUSAP KCYSK1SRW27 K1PG 0 25180103 M

SUP:	
AMDT:	ORIG-A
DATED:	5/12/05

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CYS	CYS	010		IF		FB				
	CYS	COLLA	020	IAF	TF		FB	2.0	100.6 (111T)	013.0	08600
	CYS	COLLA	030		HF	R	FB		265.5 (276T)	006.0	07800
	EGBER	EGBER	010	IAF	IF		FB				
	EGBER	COLLA	020		TF		FB	1.0	245.7 (256T)	011.4	07800
	HAMER	HAMER	010	IAF	IF		FB				
	HAMER	COLLA	020		TF		FB	1.0	355.3 (005T)	005.4	07800
	POGTE	POGTE	010		IF		FB				
	POGTE	FERBU	020	IAF	TF		FB	2.0	142.4 (152T)	009.9	08000
	POGTE	COLLA	030		TF	R	FB	1.0	175.5 (186T)	006.0	07800
	VIDEE	VIDEE	010		IF		FB				
	VIDEE	FERBU	020	IAF	TF		FB	2.0	151.0 (161T)	006.5	08000
	VIDEE	COLLA	030		TF	R	FB	1.0	175.5 (186T)	006.0	07800
		COLLA	010	FACF	IF		FB				07800
		TORJU	020	FAF	TF		FB	0.5	265.5 (276T)	007.9	07800
		RW27	030	MAP	TF		FO	0.3	265.4 (275T)	005.1	06155

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AYIYU	040		DF		FB	1.0			
	SENSE	050		TF		FO	1.0	291.1 (301T)		10300
	SENSE	060		HM	L	FO	2.0	090.4 (100T)	007.0	10300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CYS	N411239.43	W1044622.48	N4112.657	W10446.375
	AYIYU	N410928.67	W1045018.32	N4109.478	W10450.305
	COLLA	N410803.20	W1043016.61	N4108.053	W10430.277
	EGBER	N411052.20	W1041541.64	N4110.870	W10415.694
	FERBU	N411401.55	W1042931.07	N4114.026	W10429.518
	HAMER	N410239.20	W1043056.20	N4102.653	W10430.937
	POGTE	N412249.50	W1043537.20	N4122.825	W10435.620
	SENSE	N411447.98	W1050201.06	N4114.800	W10502.018
	TORJU	N410848.09	W1044041.82	N4108.802	W10440.697
	VIDEE	N412012.74	W1043220.46	N4120.212	W10432.341
	RW27	N410916.51	W1044724.31	N4109.275	W10447.405

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH

CITY AND STATE

CHEYENNE, WY

ELEVATION: 6156 TDZE: 6121

AIRPORT NAME:

CHEYENNE REGIONAL/JERRY OLSON FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO / AMDT NO.:

RNAV (GPS) RWY 27, ORIG-B

AUG 30 2007

SUP:

AMDT: ORIG-A

DATED: 5/12/05

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.

RW27 06100

55

CITY AND STATE
CHEYENNE, WY

ELEVATION: 6156 TDZE: 6121
AIRPORT NAME:
CHEYENNE REGIONAL/JERRY OLSON FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO.:
RNAV (GPS) RWY 27, ORIG-B

AUG 30 2007

SUP:
AMDT: ORIG-A
DATED: 5/12/05

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.			
TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNNAV: RW31 CLIMB TO 10300 DIRECT IVUCI AND VIA 287 TRACK TO SENSE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10300. ADDITIONAL FLIGHT DATA: HOLD W, LT, 090.37 INBOUND. CHART FAS OBST: 6331 TOWER 410705N/1044711W CHART VDP AT 1.40 MILES TO RW31. LORYI TO RW31: 3.05/55. CHART: ASR/PAR CHART AIRPORT ELEVATION 6160.			
CYS VORTAC	ZORIS (FB)	142.46 / 12.92	8600				
CIKNU (IAF)	ZORIS (NOPT) (FB)	028.74 / 4.02	7800				
HAMER (IAF)	ZORIS (NOPT) (FB)	245.64 / 5.89	7800				
ZORIS (IF/IAF)	LORYI (FB)	305.39 / 6.09	7800				
THIS IS A-CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 07-16							
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE ZORIS, RT, 305.39 INBOUND, 7800 FT. IN LIEU OF PT (IAF) 3. FAC: 305.33 FAF: LORYI <u> </u> DIST FAF TO MAP: 5.01 THLD: 5.01 4. MIN. ALT: ZORIS 7800, LORYI 7800 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW31 10300							
				MAG VAR: 10E EPOCH YEAR: 2005			
MINIMUMS							
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD		
CATEGORY ==>	A		B		C		D
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA
LNNAV MDA	6600	1	456	6600	1	456	6600
CIRCLING	6660	1	500	6660	1	500	6720
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.							
CITY AND STATE		ELEVATION: 6160 TDZE: 6144		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO.:	
CHEYENNE, WY		AIRPORT NAME: CHEYENNE REGIONAL/JERRY OLSON FIELD				RNAV (GPS) RWY 31, ORIG-A	
						AUG 30 2007	
						SUP: AMDT: ORIG	
						DATED 03/17/2005	

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

[illegible]

SUP:	
AMDT:	ORIG
DATED:	03-17-2005



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

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

SUSAP KCYSK1GRW31 0055313053 N41090515W104484789+0500 06125116055150

SUSAP KCYSK1SRW31 K1PG 0 25180103 M

SUP:	
AMDT:	ORIG
DATED:	03-17-2005



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 424-15

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CIKNU	CIKNU	010	IAF	IF		FB				
	CIKNU	ZORIS	020		TF		FB	1.0	028.7 (039T)	004.0	07800
	CYS	CYS	010		IF		FB				
	CYS	ZORIS	020		TF		FB	2.0	142.5 (153T)	012.9	08600
	CYS	ZORIS	030		HF	R	FB		305.4 (315T)	006.0	07800
	HAMER	HAMER	010	IAF	IF		FB				
	HAMER	ZORIS	020		TF		FB	1.0	245.6 (256T)	005.9	07800
		ZORIS	010	FACF	IF		FB				07800
		LORYI	020	FAF	TF		FB	0.5	305.4 (315T)	006.1	07800
		RW31	030	MAP	TF		FB	0.3	305.3 (315T)	005.0	06180

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	305.3 (315T)		06556
	IVUCI	050		DF		FB	1.0			
	SENSE	060		TF		FO	1.0	287.0 (297T)		10300
	SENSE	070		HM	L	FO	2.0	090.4 (100T)	007.0	10300

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CYS	N411239.43	W1044622.48	N4112.657	W10446.375
	CIKNU	N405803.16	W1044147.97	N4058.053	W10441.800
	HAMER	N410239.20	W1043056.20	N4102.653	W10430.937
	IVUCI	N411030.45	W1045039.71	N4110.508	W10450.662
	LORYI	N410531.20	W1044407.96	N4105.520	W10444.133
	SENSE	N411447.98	W1050201.06	N4114.800	W10502.018
	ZORIS	N410111.18	W1043828.78	N4101.186	W10438.480
	RW31	N410905.15	W1044847.89	N4109.086	W10448.798

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW31	06125	55

CITY AND STATE

CHEYENNE, WY

ELEVATION: 6156 TDZE: 6144

AIRPORT NAME:

CHEYENNE REGIONAL/JERRY OLSON FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO.:

RNAV (GPS) RWY 31, ORIG-A

AUG 30 2007

SUP:

AMDT: ORIG

DATED: 03-17-2005



[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30562 Amdt. No.3229]

Standard Instrument Approach Procedures, Weather Takeoff
Minimums; Miscellaneous Amendments

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final rule.

SUMMARY: This amendment establishes, amends, suspends, or
revokes Standard Instrument Approach Procedures (SIAPs) and/or
Weather Takeoff Minimums 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, addition of new obstacles, or changes in
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 and/or
Weather Takeoff Minimums 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.

For Purchase- Individual SIAP and Weather Takeoff Minimums 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.

By Subscription- Copies of all SIAPs and Weather Takeoff Minimums mailed once every 2 weeks, are for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

FOR FURTHER INFORMATION CONTACT: Donald P. Pate, 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 amendment to Title 14 of the Code of Federal Regulations, Part 97 (14 CFR part 97), establishes, amends, suspends, or revokes SIAPs and/or Weather Takeoff Minimums. The complete regulatory description of each SIAP and/or Weather Takeoff Minimums is contained in official 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 identified as FAA Forms 8260-3, 8260-4, 8260-5 and 8260-15A. Materials incorporated by reference are available for examination or purchase as stated above.

The large number of SIAPs and/or Weather Takeoff Minimums, 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 and/or Weather Takeoff Minimums but refer to their 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 and/or Weather Takeoff Minimums contained in FAA form documents is unnecessary. The provisions of this amendment state the affected CFR sections, with the types and effective dates of the SIAPs and/or Weather Takeoff Minimums. This amendment also identifies the airport, its location, the procedure identification and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP and/or Weather Takeoff Minimums as contained in the transmittal. Some SIAP and/or Weather Takeoff Minimums amendments may have been previously issued 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/or Weather Takeoff Minimums amendments may require making them effective in less than 30 days. For the remaining SIAPs and/or Weather Takeoff Minimums, an effective date at least 30 days after publication is provided.

Further, the SIAPs and/or Weather Takeoff Minimums 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/or Weather Takeoff Minimums, 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 and/or Weather Takeoff Minimums and safety in air commerce, I find that notice and public procedure before adopting these SIAPs and/or Weather Takeoff Minimums are impracticable and contrary to the public interest and, where applicable, that good cause exists for making some SIAPs and/or Weather Takeoff Minimums 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 July 27, 2007

A handwritten signature in cursive script, reading "James J. Ballough".

James J. Ballough
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

Accordingly, pursuant to the authority delegated to me, under 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 Weather Takeoff Minimums effective at 0901 UTC on the dates specified, as follows:

Part 97-- Standard Instrument Approach Procedures

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

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

2. Part 97 is amended to read as follows:

Effective 30 AUG 2007

Grand Canyon, AZ, Grand Canyon National Park, Takeoff Minimums and Obstacle DP, Orig
Phoenix, AZ, Phoenix Deer Valley, RNAV (GPS)-B, Orig-A
Phoenix, AZ, Phoenix Deer Valley, RNAV (GPS) RWY 25L, Orig-B
Sylvania, GA, Plantation Airpark, NDB RWY 23, Amdt 2
Westfield/Springfield, MA, Barnes Muni, ILS OR LOC RWY 20, Amdt 6
Westfield/Springfield, MA, Barnes Muni, RNAV (GPS) RWY 20, Orig
Westfield/Springfield, MA, Barnes Muni, GPS RWY 20, Orig-A, CANCELLED
Lee's Summit, MO, Lee's Summit Municipal, Takeoff Minimums and Obstacle DP, Orig
Aberdeen/Amory, MS, Monroe County, RNAV (GPS) RWY 18, Orig
Aberdeen/Amory, MS, Monroe County, RNAV (GPS) RWY 36, Orig
Aberdeen/Amory, MS, Monroe County, Takeoff Minimums and Obstacle DP, Orig
Erwin, NC, Harnett County, Takeoff Minimums and Obstacle DP, Orig
Laconia, NH, Laconia, Muni, NDB RWY 8, Amdt 9
Laconia, NH, Laconia, Muni, ILS OR LOC RWY 8, Amdt 1
Laconia, NH, Laconia, Muni, RNAV (GPS) RWY 8, Orig
Laconia, NH, Laconia, Muni, RNAV (GPS) RWY 26, Orig
Laconia, NH, Laconia, Muni, GPS RWY 26, Orig-A, CANCELLED
New York, NY, LaGuardia, ILS OR LOC RWY 4, Amdt 35
New York, NY, LaGuardia, RNAV (RNP) Z RWY 4, Orig
New York, NY, LaGuardia, RNAV (RNP) Z RWY 22, Orig
New York, NY, LaGuardia, RNAV (GPS) Y RWY 4, Amdt 2
New York, NY, LaGuardia, RNAV (GPS) Y RWY 22, Amdt 2
Sioux Falls, SD, Joss Foss Field, Takeoff Minimums and Obstacle DP, Amdt 7
Houston, TX, Houston Executive, RNAV (GPS) RWY 18, Orig
Houston, TX, Houston Executive, RNAV (GPS) RWY 36, Orig
Houston, TX, Houston Executive, Takeoff Minimums and Obstacle DP, Orig
Menomonie, WI, Menomonie Municipal-Score Field, RNAV (GPS) RWY 27, Orig
Menomonie, WI, Menomonie Municipal-Score Field, RNAV (GPS) RWY 9, Orig
Norfolk, VA, Hampton Roads Executive, NDB RWY 2, Amdt 7
Norfolk, VA, Hampton Roads Executive, RNAV (GPS) RWY 10, Orig
Norfolk, VA, Hampton Roads Executive, RNAV (GPS) RWY 28, Orig
Norfolk, VA, Hampton Roads Executive, GPS RWY 10, Orig-A, CANCELLED
Norfolk, VA, Hampton Roads Executive, GPS RWY 28, Orig-A, CANCELLED
Norfolk, VA, Hampton Roads Executive, Takeoff Minimums and Obstacle DP, Amdt 1

Effective 27 SEP 2007

Chicago, IL, Chicago-O'Hare Intl, RNAV (GPS) RWY 32L, Amdt 2A

The FAA published several Amendments in Docket No. 30558, Amdt No. 3225 to Part 97 Of the Federal Aviation Regulations (Vol. 72, FR No. 135, Page 38755; dated Monday, July 16, 2007) under section 97.33, effective 30 August 2007, which is hereby RESCINDED as follows:

Miami, FL, Miami Intl, RNAV (RNP) Y RWY 9, Orig
Miami, FL, Miami Intl, RNAV (GPS) Z RWY 9, Amdt 1
Miami, FL, Miami Intl, ILS OR LOC RWY 9, Amdt 10

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 3, NA - ENVIRONMENTAL

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 21 - USE GRAND DEPARTURE.

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

(5) City, State

GRAND CANYON, AZ

(6) Airport

GRAND CANYON NATIONAL PARK

(7) Effective Date

AUG 30 2007

(8) Amdt. No.

ORIG



U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
RADOM (40E)	SOQSY (TF) (FB) (40E) (43A)	178.92/8.22	7500	LNAV: MIKSY											
SOQSY (IAF) (40E) (43A)	JAFBY (TF) (FB) (40E) (42S)	178.89/4.00	5800	CLIMB TO 6000 DIRECT CEBEM AND VIA 314.13 TRACK TO HEVRO, AND RIGHT TURN VIA 072.17 TRACK TO BANYO AND HOLD.											
JAFBY (40E)	KNOBB (TF) (FB) (40E) (41E)	178.89/6.00	4600												
KNOBB (IF) (40E) (43I)	JERGI (TF) (FB) (40E) (43F)	253.66/6.00	3100	ADDITIONAL FLIGHT DATA: HOLD SE, LT, 336.00 INBOUND CHART FAS OBST: 2107 ANTENNA 334049N/1120240W ROUTE TYPE DESCRIPTION: A, R APPROACH ROUTE QUALIFIER 2: C JERGI TO RW25L: 6.80/40											
MIKSY (MAP) (40E) (41Y) (43M)	1878 MSL (CA) (42M)	253.59													
1878 MSL	CEBEM (DF) (FB) (40E)														
CEBEM (40E)	HEVRO (TF) (FB) (40E)	314.13/10.07													
HEVRO (40E)	BANYO (TF) (FO) (40E) (41E) (43H)	072.17/16.99	6000												
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)															
2. PROFILE STARTS AT KNOBB															
3. FAC: 253.59 FAF: JERGI DIST FAF TO MAP: 2.03 THLD:															
4. MIN. ALT: KNOBB 4600, JERGI 3100															
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: MIKSY 7400				MAG VAR: 12E EPOCH YEAR: 00											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	#										
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
CIRCLING	2400	1 1/4	922	2420	1 1/4	942	2420	2 3/4	942		NA				
NOTES: CHART NOTES: DME/DME RNP-0.3 NA. CHART NOTES: WHEN VGSI INOP, CIRCLING TO RWY 25R NA AT NIGHT. CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHOENIX SKY HARBOR INTL ALTIMETER SETTING AND INCREASE ALL MDAs 100 FEET. CIRCLING NA AT NIGHT N OR RWY 7R-25L.						# CAT A, B 1000-2, CAT C 1000-2 3/4 # NA WHEN LOCAL WEATHER NOT AVAILABLE									
CITY AND STATE		ELEVATION: 1478 TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:		SUP:							
PHOENIX, AZ		AIRPORT NAME: PHOENIX DEER VALLEY		RNAV		RNAV (GPS)-B, ORIG-A		AMDT: ORIG							
								DATE MAY 12 2005							



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV: RW25L CLIMB TO 6000 DIRECT BOLES, AND VIA 313.89 TRACK TO HEVRO, AND RIGHT TURN VIA 072.17 TRACK TO BANYO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, LT, 336.00 INBOUND. CHART FAS OBST: 2107 POLE 334049N/1120240W WAAS CHANNEL # 90117 REFERENCE PATH ID: W25A CHART VDP AT 2.65 MILES TO RW25L* *LNAV ONLY DISTANCE TO THLD FROM 375 HAT: 1.05 NM							
BANYO		CIPLU (FB)		105.10 / 17.73				6300									
POURS		CIPLU (FB)		146.34 / 23.23				8200									
PXR VORTAC		CIPLU (FB)		020.88 / 19.48				6300									
CIPLU (IF/IAF)		DUYAC (FB)		254.19 / 4.21				5100									
DUYAC		FEGEV (FB)		254.15 / 1.79				4700									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E CIPLU, LT, 259.00 INBOUND, 5600 FT. IN LIEU OF PT (IAF) 3. FAC: <u>254.13</u> FAF: FEGEV DIST FAF TO MAP: <u>9.73</u> THLD: <u>9.73</u> 4. MIN. ALT: CIPLU 5600, DUYAC 5100, FEGEV 4700, GIGEC/4.42 NM TO RW25L 2940 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>4700</u> GS ALT AT: FEGEV OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: RW25L 7400														MAG VAR: 12E		EPOCH YEAR: 2000	
MINIMUMS																	
TAKEOFF: ☒ STANDARD		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A		LPV: #		LNAV: @							
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	1850	1 1/4	375	1850	1 1/4	375	1850	1 1/4	375	1850	1 1/4	375					
LNAV MDA	2360	1 1/4	885	2360	1 1/4	885	2360	2 3/4	885	2360	3	885					
CIRCLING	2400	1 1/4	922	2420	1 1/4	942	2420	2 3/4	942	2420	3	942					
NOTES: CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 25R NA AT NIGHT. CHART NOTE: CIRCLING NA N OF RWY 7R-25L AT NIGHT. CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHOENIX SKY HARBOR INTL ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 100 FEET. SEE 8260-10																	
CITY AND STATE		ELEVATION: 1478 TDZE: 1475				FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO.:				SUP:					
PHOENIX, AZ		AIRPORT NAME:				RNAV		RNAV (GPS) RWY 25L, ORIG-B				AMDT: ORIG-A					
		PHOENIX DEER VALLEY						AUG 30 2007				DATED 07/07/2005					



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

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

NOTES CONT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART NOTE: VDP NA WHEN USING PHOENIX SKY HARBOR INTL ALTIMETER SETTING

CHART NOTE: * LNAV ONLY

CITY AND STATE

PHOENIX, AZ

ELEVATION: 1478 TDZE: 1475

AIRPORT NAME:

PHOENIX DEER VALLEY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 25L, ORIG-B

AUG 30 2007

SUP:

AMDT: ORIG-A

DATED: 07/07/2005



**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 KDVT
RUNWAY RW25L
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W25A
LTP/FTP LATITUDE 334117.6100N
LTP/FTP LONGITUDE 1120420.6500W
LTP/FTP ELLIPSOIDAL HEIGHT +04204
FPAP LATITUDE 334111.4000N
FPAP LONGITUDE 1120607.1700W
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 0536
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

9814E05C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K2
LTP ORTHOMETRIC HEIGHT +04497
FPAP ORTHOMETRIC HEIGHT +04497

CITY AND STATE

PHOENIX, AZ

ELEVATION: 1478 TDZE: 1475

AIRPORT NAME:

PHOENIX DEER VALLEY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 25L, ORIG-B

AUG 30 2007

SUP:

AMDT: ORIG-A

DATED: 07-07-2005



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

[illegible]

PAGE 4 OF 6 PAGES



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

[illegible]

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A
APPROVED

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 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BANYO	BANYO	010		IF		FB				
	BANYO	CIPLU	020	IAF	TF		FB	2.0	105.1 (117T)	017.7	06300
	BANYO	CIPLU	030		HF	L	FB		259.0 (271T)	005.0	05600
	POURS	POURS	010		IF		FB				
	POURS	CIPLU	020	IAF	TF		FB	2.0	146.3 (158T)	023.2	08200
	POURS	CIPLU	030		HF	L	FB		259.0 (271T)	005.0	05600
	PXR	PXR	010		IF		FB				
	PXR	CIPLU	020	IAF	TF		FB	2.0	020.9 (033T)	019.5	06300
	PXR	CIPLU	030		HF	L	FB		259.0 (271T)	005.0	05600
		CIPLU	010	FACF	IF		FB				05600
		DUYAC	011	SDF	TF		FB	0.5	254.2 (266T)	004.2	05100
		FEGEV	020	FAF	TF		FB	0.5	254.2 (266T)	001.8	04700
		GIGEC	021	SDF	TF		FB	0.3	254.1 (266T)	005.3	02940
		RW25L	030	MAP	TF		FO	0.3	254.1 (266T)	004.4	01515

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BOLES	040		DF		FB	1.0			
	HEVRO	050		TF		FB	1.0	313.9 (326T)		
	BANYO	060		TF	R	FO	1.0	072.2 (084T)		06000
	BANYO	070		HM	L	FO	2.0	336.0 (348T)	005.0	06000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	PXR	N332558.87	W1115812.72	N3325.981	W11158.212
	BANYO	N335028.63	W1120427.13	N3350.477	W11204.452
	BOLES	N334029.05	W1121800.87	N3340.484	W11218.015
	CIPLU	N334221.80	W1114532.08	N3342.363	W11145.535
	DUYAC	N334204.90	W1115034.18	N3342.082	W11150.570
	FEGEV	N334157.66	W1115242.62	N3341.961	W11152.710
	GIGEC	N334135.92	W1115903.85	N3341.599	W11159.064
	HEVRO	N334846.55	W1122444.69	N3348.776	W11224.745
	POURS	N340359.85	W1115548.63	N3403.998	W11155.811
	RW25L	N334117.61	W1120420.65	N3341.294	W11204.344

RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW25L	01475	40

CITY AND STATE

PHOENIX, AZ

ELEVATION: 1478 TDZE: 1475

AIRPORT NAME:

PHOENIX DEER VALLEY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 25L, ORIG-B

AUG 30 2007

SUP:

AMDT: ORIG-A

DATED: 07-07-2005



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: JYL NDB
SAV VORTAC	JYL NDB	332.42 / 36.19	2000	CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 2000 DIRECT JYL NDB AND HOLD.
MILEN INT	JYL NDB	181.09 / 15.09	2500	
LOTTIS INT	JYL NDB	039.34 / 22.93	2500	
				ADDITIONAL FLIGHT DATA: HOLD NE, RT, 243.09 INBOUND. CHART FAS OBST: 349 TREE 324042N/0813417W FAC CROSSES RWY C/L EXTENDED 3002 FROM THLD.

1. PT R SIDE OF COURSE 066.37 OUTBOUND 2000 FT WITHIN 10 MILES OF JYL NDB (IAF)
 2. _____
 3. FAC 246.37 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT _____
 8. MSA FROM: JYL NDB 1900

MAG VAR: 4W

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-23		700	1	512	700	1	512	700	1 1/2	512	700	1 3/4	512			
CIRCLING		700	1	512	700	1	512	700	1 1/2	512	740	2	552			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAVANNAH ALTIMETER SETTING AND INCREASE ALL MDAS 120 FEET.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE SYLVANIA, GA	ELEVATION: 188	TDZE: 188	FACILITY IDENTIFIER: JYL	PROCEDURE NO./AMDT NO.: NDB RWY 23, AMDT 2 AUG 30 2007	SUP NDB OR GPS RWY
	AIRPORT NAME: PLANTATION ARPK	23			
		AMDT			1A
		DATE			01/02/1992

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												
BAF VORTAC	LEADS INT/BAF VORTAC 12.94 DME	024.49 / 12.94	3500	ILS: DA LOC: 5.21 MILES AFTER WESIE INT/BAF VORTAC 6.29 DME OR AT AGACO/BAF VORTAC 1.08 DME FIX CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 4000 DIRECT CTR VOR/DME AND HOLD, CONTINUE CLIMB-IN- HOLD TO 4000; OR WHEN DIRECTED BY ATC, CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 4000 VIA CEF R-240 TO CEF VORTAC AND HOLD NE, RT, 240.00 INBOUND, CONTINUE CLIMB-IN- HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD E, RT, 275.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NE CEF VORTAC, RT, 240.00 INBOUND. CHART FAS OBST: 535 TREE 421205N/0724201W CHART IN PLANVIEW: CEF VORTAC. CHART PROFILE NOTE: ILS UNUSEABLE FROM 0.6 NM TO THRESHOLD											
CTR VOR/DME	LEADS INT/BAF VORTAC 12.94 DME	081.61 / 13.67	3500												
GDM VOR/DME (IAF)	LEADS INT/BAF VORTAC 12.94 DME (NOPT)	263.21 / 28.78	3500												
EEN VORTAC (IAF)	LEADS INT/BAF VORTAC 12.94 DME (NOPT)	227.28 / 30.11	3500												
LEADS INT/BAF VORTAC 12.94 DME (IF/IAF)	WESIE INT/BAF VORTAC 6.29 DME	204.22 / 6.65 (I-BAF)	2200												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE LEADS, RT, 204.22 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: 204.22 FAF: WESIE INT/BAF VORTAC 6.29 DME DIST FAF TO MAP: 5.21 THLD: 5.81 4. MIN. ALT: LEADS 3500, WESIE 2200 5. DIST TO THLD FROM OM: 5.81 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 947 6. MIN GS INCPT: 2200 GS ALT AT: WESIE 2200 OM: - MM: - IM: - 7. GS ANGLE: 3.00 TCH: 49.9 8. MSA FROM: BAF VORTAC 010-190 3100, 190-010 3600				MAG VAR: 14W EPOCH YEAR: 1980											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ X	SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A		ILS: #		LOC: @								
CATEGORY =====>	A		B		C		D	E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 20	521	4000	250	521	4000	250	521	4000	250	521	4000	250			
S-LOC 20	800	4000	529	800	4000	529	800	5000	529	800	6000	529			
CIRCLING	1160	1 1/4	889	1160	1 1/4	889	1160	2 3/4	889	1160	3	889			
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC 20 CATS A AND B VISIBILITY TO RVR 5000. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 20. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. SEE 8260-10															
CITY AND STATE		ELEVATION: 271 TDZE: 271		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO.:				SUP: ILS RWY 20					
WESTFIELD/SPRINGFIELD, MA		AIRPORT NAME:		I-BAF		ILS OR LOC RWY 20, AMDT 6				AMDT: 5C					
		BARNES MUNI				AUG 30 2007				DATED 03/02/2006					



**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: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE BRADLEY INTL ALTIMETER SETTING AND INCREASE ILS DA TO 566 AND INCREASE ALL MDAS 60 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT GDM VOR/DME ON AIRWAY RADIALS 209 CW 298.

ALTERNATE MINIMUM NOTES CONT.

**# CAT A, B 900-2, CAT C 900-2 3/4, CAT D
900-3**

**@ CAT A, B 900-2, CAT C 900-2 3/4, CAT D
900-3**

@ NA WHEN CONTROL TOWER CLOSED.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE

WESTFIELD/SPRINGFIELD, MA

ELEVATION: 271 TDZE: 271

AIRPORT NAME:

BARNES MUNI

FACILITY
IDENTIFIER:
I-BAF

PROCEDURE NO./AMDT NO.:

ILS OR LOC RWY 20, AMDT 6

AUG 30 2007

SUP:

AMDT: 5C

DATED: 03/02/2006



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		LPV: DA LNAV/VNAV: DA LNAV: RW20 CLIMB TO 4000 DIRECT ADOCO AND VIA 282.37 TRACK TO ZUXUX AND VIA 005.58 TRACK TO CTR VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 275.00 INBOUND. CHART FAS OBST: 455 TREE 421124N/0724218W CHART FAS OBST: 535 TREE 421205N/0724201W WAAS CHANNEL # 86405 REFERENCE PATH ID: W20A CHART VDP AT 1.98 MILES TO RW20**LNAV ONLY DISTANCE TO THLD FROM 349 HAT: 0.95 NM							
WHATE (IAF)		LEADS (NOPT) (FB)		144.35 / 5.74				3500									
LEADS (IF/IAF)		WESIE (FB)		204.25 / 6.65				2200									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE LEADS, RT, 204.25 INBOUND, 3500 FT. IN LIEU OF PT (IF/IAF) 3. FAC: 204.24 FAF: WESIE DIST FAF TO MAP: 5.81 THLD: 5.81 4. MIN. ALT: LEADS 3500, WESIE 2200 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2200 GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 49.9 34:1 IS NOT CLEAR 8. MSA FROM: RW20 3600										MAG VAR: 14W		EPOCH YEAR: 1980					
MINIMUMS																	
TAKEOFF: _____		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		@					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	620	4000	349	620	4000	349	620	4000	349	620	4000	349					
LNAV/VNAV DA	928	1 3/4	657	928	1 3/4	657	928	1 3/4	657	928	1 3/4	657					
LNAV MDA	940	4000	669	940	4000	669	940	6000	669	940	1 1/2	669					
CIRCLING	1160	1 1/4	889	1160	1 1/4	889	1160	2 3/4	889	1160	3	889					
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 WESTFIELD/SPRINGFIELD, MA				ELEVATION: 271 TDZE: 271 AIRPORT NAME: BARNES MUNI				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 20, ORIG AUG 30 2007				SUP: AMDT: NONE DATED	



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

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

NOTES CONT.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV VISIBILITY TO RVR 6000 ALL CATS, INCREASE LNAV CATS A AND B VISIBILITY TO RVR 5000.

CHART NOTE: BARO-VNAV NA WHEN USING BRADLEY INTL ALTIMETER SETTING

CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE BRADLEY INTL ALTIMETER SETTING AND INCREASE LPV DA TO 665, LNAV/VNAV DA TO 973, AND ALL MDAS 60 FEET

CHART NOTE: VDP NA WHEN USING BRADLEY INTL ALTIMETER SETTING

CHART PLANVIEW NOTE: HOLDING REQUIRED FOR ARRIVALS AT LEADS VIA V39 NORTHEAST BOUND

CITY AND STATE

WESTFIELD/SPRINGFIELD, MA

ELEVATION: 271 TDZE: 271

AIRPORT NAME:

BARNES MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO / AMDT NO.:

RNAV (GPS) RWY 20, ORIG

AUG 30 2007

SUP:

AMDT: NONE

DATED:



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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBAF
RUNWAY RW20
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W20A
LTP/FTP LATITUDE 421010.5800N
LTP/FTP LONGITUDE 0724246.5500W
LTP/FTP ELLIPSOIDAL HEIGHT +00524
FPAP LATITUDE 420843.0800N
FPAP LONGITUDE 0724307.7500W
THRESHOLD CROSSING HEIGHT (TCH) 00049.9
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

9BE3D537

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +00814
FPAP ORTHOMETRIC HEIGHT +00814

CITY AND STATE

WESTFIELD/SPRINGFIELD, MA

ELEVATION: 271 TDZE: 271

AIRPORT NAME:

BARNES MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 20, ORIG

AUG 30 2007

SUP:

AMDT: NONE

DATED:



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

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[illegible]

CITY AND STATE WESTFIELD/SPRINGFIELD, MA	ELEVATION: 271 TDZE: 271 AIRPORT NAME: BARNES MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) RWY 20, ORIG AUG 30 2007	SUP:
				AMDT: NONE
				DATED:



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

[illegible]

SUP:	
AMDT:	NONE
DATED:	

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

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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	LEADS	LEADS	010		HF	R	FB		204.3 (190T)	005.0	03500
	WHATE	WHATE	010	IAF	IF		FB				
	WHATE	LEADS	020		TF		FB	1.0	144.4 (130T)	005.7	03500
		LEADS	010	FACF	IF		FB				03500
		WESIE	020	PAF	TF		FB	0.5	204.3 (190T)	006.7	02200
		RW20	030	MAP	TF		FO	0.3	204.2 (190T)	005.8	00317

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ADOCO	040		DF		FB				
	ZUXUX	050		TF		FB		282.4 (268T)		
	CTR	060		TF		FO		005.6 (352T)		04000
	CTR	070		HM	R	FO	2.0	275.0 (261T)	005.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CTR	N421728.75	W0725657.82	N4217.479	W07256.964
	ADOCO	N420545.86	W0724350.60	N4205.764	W07243.843
	LEADS	N422226.65	W0723947.57	N4222.444	W07239.793
	WESIE	N421554.00	W0724123.19	N4215.900	W07241.387
	WHATE	N422610.03	W0724541.96	N4226.167	W07245.699
	ZUXUX	N420531.73	W0725434.81	N4205.529	W07254.580
	RW20	N421010.58	W0724246.55	N4210.176	W07242.776

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW20	00267	50

CITY AND STATE
WESTFIELD/SPRINGFIELD, MA

ELEVATION: 271 TDZE: 271
AIRPORT NAME:
BARNES MUNI

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO / AMDT NO.:
RNAV (GPS) RWY 20, ORIG
AUG 30 2007

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.

FAA FORM 8260-5 / December 2002 (computer generated)

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, 11, 29 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, MULTIPLE TREES BEGINNING 13' FROM DER, 116' LEFT OF CENTERLINE, UP TO 63' AGL/1062' MSL.

NOTE: RWY 36, POLE 77' FROM DER, 316' RIGHT OF CENTERLINE, 11' AGL/1010' MSL. POST 39' FROM DER, 461' RIGHT OF CENTERLINE, 8' AGL/1007' MSL. MULTIPLE TREES BEGINNING 206' FROM DER, 241' RIGHT OF CENTERLINE, UP TO 39' AGL/1028' MSL. MULTIPLE TREES BEGINNING 241' FROM DER, 93' LEFT OF CENTERLINE, UP TO 36' AGL/1015' MSL.

NOTE: RWY 11, BUILDING 140' FROM DER, 388' LEFT OF CENTERLINE, 24' AGL/1023' MSL. MULTIPLE BUILDINGS 169' FROM DER, 334' RIGHT OF CENTERLINE, 26' AGL/1019' MSL. MULTIPLE TREES BEGINNING 233' FROM DER, 182' LEFT OF CENTERLINE, UP TO 40' AGL/1039' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

LEE'S SUMMIT, MO

(6) Airport

LEE'S SUMMIT MUNICIPAL

(7) Effective Date

AUG 30 2007

(8) Amdt. No.

ORIG



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

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

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 29, MULTIPLE ANTENNAS AND POLES 402' FROM DER, 408' RIGHT OF CENTERLINE, UP TO 35' AGL/1024' MSL. TANK 344' FROM DER, 419' RIGHT OF CENTERLINE, 13' AGL/1002' MSL. MULTIPLE TREES BEGINNING 648' FROM DER, 73' LEFT OF CENTERLINE, UP TO 67' AGL/1036' MSL.

City, State LEE'S SUMMIT, MO		Airport LEE'S SUMMIT MUNICIPAL		Effective Date AUG 30 2007	Amdt. No. ORIG
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date AUG 30 2007



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WIDRA (IAF)	VEPPU (NOPT) (FB)	095.14 / 5.00	2000
ZAGOS (IAF)	VEPPU (NOPT) (FB)	275.26 / 5.00	2000
VEPPU (IF/IAF)	PIYIG (FB)	185.20 / 6.10	1900

LPV: DA
LNAV/VNAV: DA
LNAV: RW18

CLIMB TO 2000 DIRECT BOLYA AND LEFT TURN VIA 085.19
TRACK TO CACTA AND LEFT TURN 344.86 TRACK TO ZAGOS AND
HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 275.26 INBOUND.
CHART FAS OBST: 419 TREE 335703N/0882729W
CHART FAS OBST: 320 TREE 335255N/0882907W
CHART 589 TOWER 335729N/0882701W.
WAAS CHANNEL # 56604
REFERENCE PATH ID: W18A
CHART: A-440
DISTANCE TO THLD FROM 334 HAT: 0.92 NM

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N VEPPU, RT, 185.20 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 185.20 FAF: PIYIG DIST FAF TO MAP: 5.05 THLD: 5.05
4. MIN. ALT: VEPPU 2000, PIYIG 1900
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 1900 GS ALT AT: PIYIG OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 1E

EPOCH YEAR: 1985

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	560	1 1/4	334	560	1 1/4	334	560	1 1/4	334	560	1 1/4	334			
LNAV/VNAV DA	590	1 1/4	364	590	1 1/4	364	590	1 1/4	364	590	1 1/4	364			
LNAV MDA	640	1	414	640	1	414	640	1 1/4	414	640	1 1/4	414			
CIRCLING	660	1	434	680	1	454	680	1 1/2	454	780	2	554			

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING GOLDEN TRIANGLE REGIONAL ALTIMETER SETTING.
CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE GOLDEN TRIANGLE REGIONAL ALTIMETER
SETTING AND INCREASE ALL DAS/MDAS 80 FT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
SEE 8260-10

CITY AND STATE ABERDEEN/AMORY, MS	ELEVATION: 226 TDZE: 226 AIRPORT NAME: MONROE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 18, ORIG AUG 30 2007	SUP: AMDT: NONE DATED
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RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

TAA	FROM	TO	ALT
1.	095/30 CW 275/30 (NOPT)	095/6 CW 275/6 (FB)	2500
2.	095/6 CW 275/6	VEPPU (IF/IAF) (FB)	2000
3.	275/30 CW 005/30	275/6 CW 005/6 (FB)	2300
4.	275/6 CW 005/6	ZAGOS (IAF) (FB)	2000
5.	005/30 CW 095/30	005/6 CW 095/6 (FB)	3300
6.	005/6 CW 095/6	WIDRA (IAF) (FB)	2000

CITY AND STATE

ABERDEEN/AMORY, MS

ELEVATION: 226

TDZE: 226

AIRPORT NAME:

MONROE COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO.:

RNAV (GPS) RWY 18, ORIG

AUG 30 2007

SUP:

AMDT:

DATED:

NONE

A

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	M40
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	335250.0785N
LTP/FTP LONGITUDE	0882919.6370W
LTP/FTP ELLIPSOIDAL HEIGHT	+00401
FPAP LATITUDE	335121.3400N
FPAP LONGITUDE	0882931.1800W
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

E0F23AD9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00678
FPAP ORTHOMETRIC HEIGHT	+00678

CITY AND STATE

ABERDEEN/AMORY, MS

ELEVATION: 226

TDZE: 226

AIRPORT NAME:

MONROE COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 18, ORIG

AUG 30 2007

SUP:

AMDT:

DATED:

NONE

A

APPROVED

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KM40K7FR18	AVEPPU	010VEPPUK7EA0EE	CR	HF			18520050	+ 02000		18000		A JS	
SUSAP KM40K7FR18	AWIDRA	010WIDRAK7EA0E	A	IF						18000		A JS	
SUSAP KM40K7FR18	AWIDRA	020VEPPUK7EA0EE		010TF			09510050	+ 02000				A JS	
SUSAP KM40K7FR18	AZAGOS	010ZAGOSK7EA0E	A	IF						18000		A JS	
SUSAP KM40K7FR18	AZAGOS	020VEPPUK7EA0EE		010TF			27530050	+ 02000				A JS	
SUSAP KM40K7FR18	R	010VEPPUK7EA0E	I	IF				+ 02000		18000		A JS	
SUSAP KM40K7FR18	R	020PIYIGK7EA0E	F	051TF			18520061	+ 01900				A JS	
SUSAP KM40K7FR18	R	030RW18 K7PGOGY	M	031TF			18520051		00268		-300	A JS	
SUSAP KM40K7FR18	R	040BOLYAK7EA0E		010DF								A JS	
SUSAP KM40K7FR18	R	050CACTAK7EA0E		L010TFY			0852					A JS	
SUSAP KM40K7FR18	R	060ZAGOSK7EA0EY		L010TFY			3449	+ 02000				A JS	
SUSAP KM40K7FR18	R	070ZAGOSK7EA0EE		HR020HM			27530040	+ 02000				A JS	

[illegible][illegible]

CITY AND STATE ABERDEEN/AMORY, MS	ELEVATION: 226 TDZE: 226 AIRPORT NAME: MONROE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) RWY 18, ORIG AUG 30 2007	SUP:
				AMDT: NONE
				DATED: 

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

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SUSAP KM40K7PR18 RW18 001 0000W18A0N3352500785W08829196370+004010300N3351213400W08829311800106751224000450F400500A3067BD3
SUSAP KM40K7PR18 RW18 002 +00678+00678W18A 56604 000

CITY AND STATE
ABERDEEN/AMORY, MS

ELEVATION: 226 TDZE: 226
AIRPORT NAME:
MONROE COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO.:
RNAV (GPS) RWY 18, ORIG
AUG 30 2007

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 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	VEPPU	VEPPU	010		HF	R	FB		185.2 (186T)	005.0	02000
	WIDRA	WIDRA	010	IAF	IF		FB				
	WIDRA	VEPPU	020		TF		FB	1.0	095.1 (096T)	005.0	02000
	ZAGOS	ZAGOS	010	IAF	IF		FB				
	ZAGOS	VEPPU	020		TF		FB	1.0	275.3 (276T)	005.0	02000
		VEPPU	010	FACF	IF		FB				02000
		PIYIG	020	FAF	TF		FB	0.5	185.2 (186T)	006.1	01900
		RW18	030	MAP	TF		FO	0.3	185.2 (186T)	005.1	00268

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BOLYA	040		DF		FB	1.0			
	CACTA	050		TF	L	FB	1.0	085.2 (086T)		
	ZAGOS	060		TF	L	FO	1.0	344.9 (346T)		02000
	ZAGOS	070		HM	R	FO	2.0	275.3 (276T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BOLYA	N334751.29	W0882958.46	N3347.855	W08829.974
	CACTA	N334832.59	W0881724.06	N3348.543	W08817.401
	PIYIG	N335751.92	W0882840.35	N3357.865	W08828.673
	VEPPU	N340356.36	W0882752.81	N3403.939	W08827.880
	WIDRA	N340428.67	W0883351.85	N3404.478	W08833.864
	ZAGOS	N340323.76	W0882153.84	N3403.396	W08821.897
	RW18	N335250.08	W0882919.64	N3352.835	W08829.327

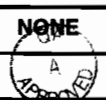
RUNWAY DATA	THRESHOLD	
RWY	ELEVATION	TCH
RW18	00223	45

CITY AND STATE
 ABERDEEN/AMORY, MS

ELEVATION: 226 TDZE: 226
 AIRPORT NAME:
 MONROE COUNTY

FACILITY
 IDENTIFIER:
 RNAV

PROCEDURE NO./AMDT NO.:
 RNAV (GPS) RWY 18, ORIG
 AUG 30 2007

SUP:
 AMDT: NONE
 DATED: 

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW36
GANTT	PINOC (FB)	176.46 / 43.69	2000	
CLOUT	PINOC (FB)	042.13 / 19.16	2000	CLIMB TO 2000 DIRECT VEPPI AND HOLD.
HAB VORTAC	NOGOE (FB)	212.94 / 35.81	2300	
MINIM	NOGOE (FB)	295.78 / 20.86	2300	ADDITIONAL FLIGHT DATA: HOLD N, RT, 185.20 INBOUND. CHART FAS OBST: 333 TREE 335205N/0882936W CHART 524 TOWER 334823N/0882757W. MERLE TO RW36: 3.03/45. CHART: A-440
PINOC (IAF)	GUGLE (FB)	095.12 / 5.00	2000	
NOGOE (IAF)	GUGLE (FB)	275.24 / 5.00	2000	
GUGLE (IF)	MERLE (FB)	005.18 / 6.10	1400	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT GUGLE
3. FAC: 005.19 FAF: MERLE DIST FAF TO MAP: 3.51 THLD: 3.51
4. MIN. ALT: GUGLE 2000, MERLE 1400
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW36 3400

MAG VAR: 1E

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	X										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	600	1	374	600	1	374	600	1	374	600	1 1/4	374			
CIRCLING	660	1	434	680	1	454	680	1 1/2	454	780	2	554			

NOTES:
CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE GOLDEN TRIANGLE REGIONAL ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

CITY AND STATE ABERDEEN/AMORY, MS	ELEVATION: 226 TDZE: 226 AIRPORT NAME: MONROE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 36, ORIG AUG 30 2007	SUP: AMDT: NONE DATED
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**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CLOUT VIA V278 WESTBOUND AND ARRIVALS AT MINIM VIA V245-278 EASTBOUND.

CITY AND STATE

ABERDEEN/AMORY, MS

ELEVATION: 226

TDZE: 226

AIRPORT NAME:

MONROE COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO.:

RNAV (GPS) RWY 36, ORIG

AUG 30 2007

SUP:

AMDT:

NONE

DATED:

4

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KM40K7FP36	ACLOUT	010CLOUTK7EA0E		IF					18000		G	S
SUSAP	KM40K7FP36	ACLOUT	020PINOCK7EA0E	A	020TF		04210192		+	02000		G	S
SUSAP	KM40K7FP36	ACLOUT	030GUGLEK7EA0EE		010TF		09510050		+	02000		G	S
SUSAP	KM40K7FP36	AGANTT	010GANTTK7EA0E		IF					18000		G	S
SUSAP	KM40K7FP36	AGANTT	020PINOCK7EA0E	A	020TF		17650437		+	02000		G	S
SUSAP	KM40K7FP36	AGANTT	030GUGLEK7EA0EE		010TF		09510050		+	02000		G	S
SUSAP	KM40K7FP36	AHAB	010HAB K7D 0V		IF					18000		G	S
SUSAP	KM40K7FP36	AHAB	020NOGOEK7EA0E	A	020TF		21290358		+	02300		G	S
SUSAP	KM40K7FP36	AHAB	030GUGLEK7EA0EE		010TF		27520050		+	02000		G	S
SUSAP	KM40K7FP36	AMINIM	010MINIMK7EA0E		IF					18000		G	S
SUSAP	KM40K7FP36	AMINIM	020NOGOEK7EA0E	A	020TF		29580209		+	02300		G	S
SUSAP	KM40K7FP36	AMINIM	030GUGLEK7EA0EE		010TF		27520050		+	02000		G	S
SUSAP	KM40K7FP36	P	010GUGLEK7EA0E	I	IF					18000		G	S
SUSAP	KM40K7FP36	P	020MERLEK7EA0E	F	051TF		00520061		+	01400		RW36	K7PGG S

CITY AND STATE ABERDEEN/AMORY, MS	ELEVATION: 226 TDZE: 226 AIRPORT NAME: MONROE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) RWY 36, ORIG AUG 30 2007	SUP:
				AMDT: NONE
				DATED: 

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

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

SUSAP KM40K7FP36	P	030RW36 K7PG0GY M 031TF	00520035	00270	-303	G S
SUSAP KM40K7FP36	P	040 0 M 010CA	0052	+ 00600		G S
SUSAP KM40K7FP36	P	050VEPPUK7EA0EY 010DF		+ 02000		G S
SUSAP KM40K7FP36	P	060VEPPUK7EA0EE HR020HM	18520050	+ 02000		G S

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

SUSAP KM40K7GRW36	0049990052	N33520091W088292603-0100	00225000045075											

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

SUSAP KM40K7SRW36 K7PG	0	25180034	M											

CITY AND STATE ABERDEEN/AMORY, MS	ELEVATION: 226 TDZE: 226	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) RWY 36, ORIG AUG 30 2007	SUP:
	AIRPORT NAME: MONROE COUNTY			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 424-15

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CLOUT	CLOUT	010		IF		FB				
	CLOUT	PINOC	020	IAF	TF		FB	2.0	042.1 (043T)	019.2	02000
	CLOUT	GUGLE	030		TF		FB	1.0	095.1 (096T)	005.0	02000
	GANTT	GANTT	010		IF		FB				
	GANTT	PINOC	020	IAF	TF		FB	2.0	176.5 (178T)	043.7	02000
	GANTT	GUGLE	030		TF		FB	1.0	095.1 (096T)	005.0	02000
	HAB	HAB	010		IF		FB				
	HAB	NOGOE	020	IAF	TF		FB	2.0	212.9 (214T)	035.8	02300
	HAB	GUGLE	030		TF		FB	1.0	275.2 (276T)	005.0	02000
	MINIM	MINIM	010		IF		FB				
	MINIM	NOGOE	020	IAF	TF		FB	2.0	295.8 (297T)	020.9	02300
	MINIM	GUGLE	030		TF		FB	1.0	275.2 (276T)	005.0	02000
		GUGLE	010	FACF	IF		FB				02000
		MERLE	020	FAF	TF		FB	0.5	005.2 (006T)	006.1	01400
		RW36	030	MAP	TF		FO	0.3	005.2 (006T)	003.5	00270

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	005.2 (006T)		00600
	VEPPU	050		DF		FO	1.0			02000
	VEPPU	060		HM	R	FO	2.0	185.2 (186T)	005.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	HAB	N341142.36	W0880045.12	N3411.706	W08800.752
	CLOUT	N332859.30	W0885220.20	N3328.988	W08852.337
	GANTT	N342642.26	W0883857.39	N3426.704	W08838.957
	GUGLE	N334226.62	W0883040.56	N3342.444	W08830.676
	MERLE	N334831.15	W0882953.28	N3348.519	W08829.888
	MINIM	N333231.14	W0880223.62	N3332.519	W08802.394
	NOGOE	N334154.12	W0882443.07	N3341.902	W08824.718
	PINOC	N334258.83	W0883638.12	N3342.981	W08836.635
	VEPPU	N340356.36	W0882752.81	N3403.939	W08827.880
	RW36	N335200.91	W0882926.03	N3352.015	W08829.434

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW36	00225		45

CITY AND STATE ABERDEEN/AMORY, MS	ELEVATION: 226 TDZE: 226	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 36, ORIG AUG 30 2007	SUP:
	AMDT:			NONE
	DATED:			

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:
RWY 18, 36 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, POLE 460' FROM DER, 365' LEFT OF CENTERLINE, 25' AGL/254' MSL. TREES BEGINNING 7' FROM DER, 61' LEFT OF CENTERLINE, UP TO 100' AGL/310' MSL. TREES BEGINNING 839' FROM DER, 83' RIGHT OF CENTERLINE, UP TO 116' AGL/316' MSL.

NOTE: RWY 36, TREES BEGINNING 241' FROM DER, 490' LEFT OF CENTERLINE, UP TO 83' AGL/303' MSL. TREES BEGINNING 27' FROM DER, 426' RIGHT OF CENTERLINE, UP TO 92' AGL/312' MSL. TREE 3078' FROM DER, 276' RIGHT OF CENTERLINE, 81' AGL/301' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

ABERDEEN/AMORY, MS

(6) Airport

MONROE COUNTY

(7) Effective Date

AUG 30 2007

(8) Amdt. No.

ORIG



TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 5, 23 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 5, MULTIPLE TREES BEGINNING 1529' FROM DER, 16' LEFT OF CENTERLINE, UP TO 96' AGL / 297' MSL. MULTIPLE TREES BEGINNING 2775' FROM DER, 111' RIGHT OF CENTERLINE, UP TO 76' AGL / 282' MSL. MULTIPLE POLES BEGINNING 303' FROM DER, 445' LEFT OF CENTERLINE, UP TO 17' AGL / 239' MSL. POLE BEGINNING 671' FROM DER, 610' RIGHT OF CENTERLINE, UP TO 38' AGL / 239' MSL.

NOTE: RWY 23, TREES BEGINNING 94' FROM DER, 206' RIGHT OF CENTERLINE, UP TO 64' AGL / 252' MSL. TREES BEGINNING 5' FROM DER, 296' RIGHT OF CENTERLINE. UP TO 59' AGL / 247' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

ERWIN, NC

(6) Airport

HARNETT COUNTY

(7) Effective Date

AUG 30 2007

(8) Amdt. No.

ORIG



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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 4.57 MILES AFTER LC LOM
BILLS INT	LC LOM	126.35 / 15.65	4700	CLIMBING LEFT TURN TO 4300 DIRECT LC LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4300.
GRUMP INT	LC LOM	277.92 / 6.43	4400	
CON VORTAC (IAF)	HUSKI INT (NOPT)	352.43 / 16.86	4000	ADDITIONAL FLIGHT DATA: HOLD W, LT, 083.16 INBOUND. CHART FAS OBST: 1141 TREE 433245N/0712554W LC LOM TO RW08: 3.50/40.
HUSKI INT (IF)	JILBU INT	083.15 / 4.85 (LCI BRG-263)	3100	
JILBU INT	LC LOM	083.15 / 3.99	2500	

1. PT R SIDE OF COURSE 263.16 OUTBOUND 4300 FT WITHIN 10 MILES OF LC LOM (IAF)
 2. _____
 3. FAC 083.16 FAF LC LOM DIST FAF TO MAP 4.57 THLD 5.16
 4. MIN. ALT JILBU 3100, LC LOM 2500
 8. MSA FROM: LC LOM 045-135 4800, 135-315 4400, 315-045 5600

MAG VAR: 16W EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		@				
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-8	1460	3/4	915	1460	3/4	915	1460	2 1/4	915	1460	2 3/4	915			
CIRCLING	1460	1 1/4	915	1600	1 1/2	1055	1600	3	1055	2160	3	1615			

NOTES:

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-8 CATS A/B VISIBILITY TO 1 1/4.
 CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE CONCORD ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

@ CAT A 1000-2, CAT B 1100-2, CAT C 1100-3,
 CAT D 1700-3
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE LACONIA, NH	ELEVATION: 545 TDZE: 545 AIRPORT NAME: LACONIA MUNI	FACILITY IDENTIFIER: LC	PROCEDURE NO./AMDT NO.: NDB RWY 8, AMDT 9 AUG 30 2007	SUP NDB OR GPS RWY 8 AMDT 8A DATE 08/14/2000
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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.

CITY AND STATE
LACONIA, NH

ELEVATION: 545 TDZE: 545
AIRPORT NAME:
LACONIA MUNI

FACILITY
IDENTIFIER:
LC

PROCEDURE NO./AMDT NO.:
NDB RWY 8, AMDT 9
AUG 30 2007

SUP: NDB OR GPS RWY 8
AMDT: 8A 0A
DATED: 08/14/2000

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: 5.16 MILES AFTER BLNAP LOM/LCI 6.26 DME OR AT I-LCI 1.11 DME FIX CLIMB TO 1200 THEN CLIMBING LEFT TURN TO 5000 VIA HEADING 264 AND LEB VOR/DME R-117 TO ANIER INT/LEB 25.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 116.70 INBOUND. CHART FAS OBST: 779 TREE 433341N/0712817W CHART 879 TREE 433217N/0713215W CHART VDP AT 2.54 DME; DISTANCE VDP TO THLD 1.43 MILES. CHART PLANVIEW NOTE: TRANSITIONS TO NILUW MAY REQUIRE USE OF CON R-353 AND LEB R-133 TO IDENTIFY INTERSECTION. LEB R-133 IS A FLIGHT CHECK VALUE.							
CON VORTAC (IAF)		NILUW INT/I-LCI 14.92 DME		353.07 / 16.94				4200									
LEB VOR/DME (IAF)		NILUW INT/I-LCI 14.92 DME		133.00 / 24.65				4200									
NILUW INT (IF)		BLNAP LOM/I-LCI 6.26 DME		083.54 / 8.65 (I-LCI)				2500*									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT NILUW 3. FAC: <u>083.54</u> FAF: <u>BLNAP LOM/I-LCI 6.26 DME</u> DIST FAF TO MAP: <u>5.16</u> THLD: <u>5.16</u> 4. MIN. ALT: <u>NILUW 4200, BLNAP LOM/I-LCI 6.26 DME 2500*</u> 5. DIST TO THLD FROM OM: <u>5.16</u> MM: <u>0.59</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>935</u> 6. MIN GS INCPT: <u>3100</u> GS ALT AT: <u>GS INTCP</u> OM: <u>2256</u> MM: <u>776</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>44.3</u> 8. MSA FROM: <u>CON VORTAC 4200</u>										MAG VAR: 16W		EPOCH YEAR: 1995					
MINIMUMS																	
TAKEOFF: <u> </u>		STANDARD ☐ X ☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: <u>NA</u>		ILS: # <u> </u>		LOC: @ <u> </u>					
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
S-ILS 8	825	1/2	280	825	1/2	280	825	1/2	280	825	1/2	280					
S-LOC 8	1040	1/2	495	1040	1/2	495	1040	3/4	495	1040	1	495					
CIRCLING	1420	1	875	1600	1 1/2	1055	1600	3	1055	2160	3	1615					
NOTES: CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 8 ALL CATS VISIBILITY TO 1 MILE. CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE CONCORD ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 80 FEET. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CONCORD VORTAC VIA V322 SOUTHBOUND. SEE 8260-10																	
CITY AND STATE LACONIA, NH				ELEVATION: 545 TDZE: 545 AIRPORT NAME: LACONIA MUNI				FACILITY IDENTIFIER: I-LCI				PROCEDURE NO./AMDT NO.: ILS OR LOC RWY 8, AMDT 1 AUG 30 2007				SUP: ILS RWY 8 AMDT: ORIG-B DATED 07/15/1999	

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.

NOTES CONT.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

*LOC ONLY

CHART NOTE: VDP NA WHEN USING CONCORD ALTIMETER SETTING.

CITY AND STATE

LACONIA, NH

ELEVATION: 545 TDZE: 545

AIRPORT NAME:

LACONIA MUNI

FACILITY
IDENTIFIER:
I-LCI

PROCEDURE NO./AMDT NO.:

ILS OR LOC RWY 8, AMDT 1

AUG 30 2007

SUP: ILS RWY 8

AMDT: ORIG-B

DATED: 07/15/1999

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	
GRUMP	TUYUC (FB)	269.83 / 14.98	4400	LPV: DA LNAV: RW08 CLIMB TO 3000 DIRECT KOSHI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, LT, 263.74 INBOUND. CHART FAS OBST: 1083 TOWER 433302N/0712557W CHART VDP AT 2.50 MILES TO RW08* *LNAV ONLY. WAAS CHANNEL # 73003 REFERENCE PATH ID: W08A DISTANCE TO THLD FROM 433 HAT: 1.22 NM
KERSY (IAF)	TUYUC (NOPT) (FB)	032.67 / 7.59	4400	
BILLS (IAF)	TUYUC (NOPT) (FB)	158.43 / 10.99	4400	
TUYUC (IF/IAF)	OSPEE (FB)	083.34 / 6.10	3100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD W TUYUC, LT, 083.34 INBOUND, 4400 FT. IN LIEU OF PT (IAF)
- FAC: 083.43 FAF: OSPEE DIST FAF TO MAP: 7.71 THLD: 7.71
- MIN. ALT: TUYUC 4400, OSPEE 3100, TUBUY/4.00 NM TO RW08 1860*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 3100 GS ALT AT: OSPEE OM: MM: IM:
- GS ANGLE: 3.00 TCH: 44.3 34:1 IS CLEAR
- MSA FROM: RW08 5600

MAG VAR: 16W EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: NA	@				
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	978	1	433	978	1	433	978	1	433	978	1	433			
LNAV MDA	1380	1/2	835	1380	3/4	835	1380	2	835	1380	2 1/4	835			
CIRCLING	1420	1	875	1600	1 1/2	1055	1600	3	1055	2160	3	1615			

NOTES:
 CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO 1 1/2 MILES.
 CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE CONCORD ALTIMETER SETTING AND INCREASE ALL DAS/MDAS 80 FEET.
 CHART NOTE: DME/DME RNP-0.3 NA.
 SEE 8260-10

@ CAT A 900-2, CAT B 1100-2, CAT C 1100-3,
 CAT D 1700-3
 @ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE LACONIA, NH	ELEVATION: 545 TDZE: 545 AIRPORT NAME: LACONIA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 8, ORIG AUG 30 2007	SUP: AMDT: NONE DATED
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: VDP NA WHEN USING CONCORD ALTIMETER SETTING.

CITY AND STATE

LACONIA, NH

ELEVATION: 545 TDZE: 545

AIRPORT NAME:

LACONIA MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 8, ORIG

AUG 30 2007

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KLCI
RUNWAY RW08
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W08A
REFERENCE PATH IDENTIFIER (APPROACH ID) 433411.8400N
LTP/FTP LATITUDE 0712541.2000W
LTP/FTP LONGITUDE +01388
LTP/FTP ELLIPSOIDAL HEIGHT 433434.0600N
FPAP LATITUDE 0712427.2600W
FPAP LONGITUDE 00044.3
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0000
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 50.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

8C3B808B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +01660
FPAP ORTHOMETRIC HEIGHT +01660

CITY AND STATE

LACONIA, NH

ELEVATION: 545 TDZE: 545

AIRPORT NAME:

LACONIA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 8, ORIG

AUG 30 2007

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 PACKET - 424-17

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEAENRT	BILLS K60	W	L	N43373666W071522529				E0157	NAR		BILLS		
SUSAEAENRT	GRUMP K60	W	L	N43330583W071232786				E0159	NAR		GRUMP		
SUSAEAENRT	KERSY K60	W	L	N43213758W071461259				E0156	NAR		KERSY		
SUSAEAENRT	KOSHI K60	W	L	N43391963W071083156				E0161	NAR		KOSHI		
SUSAEAENRT	OSPEE K60	W	L	N43311459W071352903				E0158	NAR		OSPEE		
SUSAEAENRT	TUBUY K60	W	L	N43324002W071304616				E0158	NAR		TUBUY		
SUSAEAENRT	TUYUC K60	W	L	N43285381W071431323				E0157	NAR		TUYUC		

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KLCIK6ALCI	0	058YHN43342180W071250800W016000545				1800018000C	MNAR		LACONIA MUNI			

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KLCIK6FR08	ABILLS	010BILLSK6EA0E	A	IF					18000		A	JS
SUSAP	KLCIK6FR08	ABILLS	020TUYUCK6EA0EE		010TF		15840110		+ 04400			A	JS
SUSAP	KLCIK6FR08	AGRUMP	010GRUMPK6EA0E		IF					18000		A	JS
SUSAP	KLCIK6FR08	AGRUMP	020TUYUCK6EA0E	A	020TF		26980150		+ 04400			A	JS
SUSAP	KLCIK6FR08	AGRUMP	030TUYUCK6EA0EE	CL	HF		08330050		+ 04400			A	JS
SUSAP	KLCIK6FR08	AKERSY	010KERSYK6EA0E	A	IF					18000		A	JS
SUSAP	KLCIK6FR08	AKERSY	020TUYUCK6EA0EE		010TF		03270076		+ 04400			A	JS
SUSAP	KLCIK6FR08	R	010TUYUCK6EA0E	I	IF				+ 04400	18000		A	JS
SUSAP	KLCIK6FR08	R	020OSPEEK6EA0E	F	051TF		08330061		+ 03100		RW08	K6PGA	JS
SUSAP	KLCIK6FR08	R	021TUBUYK6EA0E	S	031TF		08340037		V 0186001878		-300		A
SUSAP	KLCIK6FR08	R	030RW08	K6PGOGY	M 031TF		08340040		00589		-300		A
SUSAP	KLCIK6FR08	R	040KOSHIK6EA0EYM		010DF				+ 03000				A
SUSAP	KLCIK6FR08	R	050KOSHIK6EA0EE	HL020HM			26370050		+ 03000				A

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KLCIK6GRW08	0058900835	N43341184W071254120-0500				00545000044100						

CITY AND STATE
LACONIA, NH

ELEVATION: 545 TDZE: 545
 AIRPORT NAME:
 LACONIA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
 RNAV (GPS) RWY 8, ORIG
 AUG 30 2007

SUP:
 AMDT: NONE
 DATED: 8

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

SUSAP	KLCIK6PR08	RW08	001	0000W08A0N4334118400W07125412000+013880300N4334340600W07124272600106750000000443F4005008C3B808B
SUSAP	KLCIK6PR08	RW08	002	+01660+01660W08A 73003 000

[illegible]

SUP: _____
AMDT: **NONE**
DATED: _____

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

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

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BILLS	BILLS	010	IAF	IF		FB				
	BILLS	TUYUC	020		TF		FB	1.0	158.4 (142T)	011.0	04400
	GRUMP	GRUMP	010		IF		FB				
	GRUMP	TUYUC	020	IAF	TF		FB	2.0	269.8 (254T)	015.0	04400
	GRUMP	TUYUC	030		HF	L	FB		083.3 (067T)	005.0	04400
	KERSY	KERSY	010	IAF	IF		FB				
	KERSY	TUYUC	020		TF		FB	1.0	032.7 (017T)	007.6	04400
		TUYUC	010	FACF	IF		FB				04400
		OSPEE	020	FAF	TF		FB	0.5	083.3 (067T)	006.1	03100
		TUBUY	021	SDF	TF		FB	0.3	083.4 (067T)	003.7	01860
		RW08	030	MAP	TF		FO	0.3	083.4 (067T)	004.0	00589

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	KOSHI	040		DF		FO	1.0			03000
	KOSHI	050		HM	L	FO	2.0	263.7 (248T)	005.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BILLS	N433736.66	W0715225.29	N4337.611	W07152.422
	GRUMP	N433305.83	W0712327.86	N4333.097	W07123.464
	KERSY	N432137.58	W0714612.59	N4321.626	W07146.210
	KOSHI	N433919.63	W0710831.56	N4339.327	W07108.526
	OSPEE	N433114.59	W0713529.03	N4331.243	W07135.484
	TUBUY	N433240.02	W0713046.16	N4332.667	W07130.769
	TUYUC	N432853.81	W0714313.23	N4328.897	W07143.221
	RW08	N433411.84	W0712541.20	N4334.197	W07125.687

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION TCH
RW08	00545 44	

CITY AND STATE
LACONIA, NH

ELEVATION: 545 TDZE: 545
AIRPORT NAME:
LACONIA MUNI

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 8, ORIG
AUG 30 2007

SUP:
AMDT: NONE
DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CON VORTAC	DOJEN (FB)	059.95 / 29.96	4000	LNAV: RW26
GRUMP	KOSHI (FB)	076.06 / 12.51	4000	
DOJEN (IAF)	KOSHI (NOPT) (FB)	353.77 / 5.00	3000	
LIMER (IAF)	KOSHI (NOPT) (FB)	276.52 / 10.22	3000	CLIMB TO 4400 DIRECT TUYUC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4400.
KOSHI (IF/IAF)	ZUROT (FB)	263.74 / 4.15	2900	
ZUROT	REZDI (FB)	263.74 / 3.38	2200	
				ADDITIONAL FLIGHT DATA: HOLD W, LT, 083.34 INBOUND. CHART FAS OBST: 1238 ROD ON OL POLE 433415N/0712221W CHART TDZE: 533. REZDI TO RW26: 3.08/40.

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E KOSHI, LT, 263.74 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 263.64 FAF: REZDI DIST FAF TO MAP: 5.02 THLD: 5.02
- MIN. ALT: KOSHI 3000, ZUROT 2900, REZDI 2200
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW26 5600

MAG VAR: 16W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	⑥										
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	1420	1 1/4	887	1420	1 1/4	887	1420	2 3/4	887	1420	3	887			
CIRCLING	1420	1 1/4	875	1600	1 1/2	1055	1600	3	1055	2160	3	1615			

NOTES:

CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE CONCORD ALTIMETER SETTING AND INCREASE ALL MDAS 80 FEET.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

SEE 8260-10

⑥ CAT A 900-2, CAT B 1100-2, CAT C 1100-3,
CAT D 1700-3
⑥ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE LACONIA, NH	ELEVATION: 545 TDZE: 533 AIRPORT NAME: LACONIA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 26, ORIG AUG 30 2007	SUP: AMDT: NONE DATED
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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CON VORTAC VIA V322 SOUTHWEST BOUND AND V93 WEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GRUMP VIA V496 NORTHWEST BOUND AND V322 SOUTHWEST BOUND.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CITY AND STATE

LACONIA, NH

ELEVATION: 545 TDZE: 533

AIRPORT NAME:

LACONIA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO / AMDT NO.:

RNAV (GPS) RWY 26, ORIG

AUG 30 2007

SUP:

AMDT: NONE

DATED:

B

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

[illegible]

CITY AND STATE LACONIA, NH	ELEVATION: 545 TDZE: 533 AIRPORT NAME: LACONIA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) RWY 26, ORIG AUG 30 2007	SUP:
				AMDT: NONE
				DATED: 8

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 LACONIA, NH	ELEVATION: 545 TDZE: 533 AIRPORT NAME: LACONIA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) RWY 26, ORIG AUG 30 2007	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 424-15

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CON	CON	010		IF		FB				
	CON	DOJEN	020	IAF	TF		FB	2.0	060.0 (044T)	030.0	04000
	CON	KOSHI	030		TF		FB	1.0	353.8 (338T)	005.0	03000
	GRUMP	GRUMP	010		IF		FB				
	GRUMP	KOSHI	020		TF		FB	2.0	076.1 (060T)	012.5	04000
	GRUMP	KOSHI	030		HF	L	FB		263.7 (248T)	005.0	03000
	LIMER	LIMER	010	IAF	IF		FB				
	LIMER	KOSHI	020		TF		FB	1.0	276.5 (261T)	010.2	03000
		ZUROT	010		IF		FB				02900
		REZDI	020	FAF	TF		FB	0.5	263.7 (248T)	003.4	02200
		ZUROT	021	SDF	TF	L	FB	0.5	263.7 (248T)	004.2	02900
		RW26	030	MAP	TF		FO	0.3	263.6 (248T)	006.5	00557

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	263.6 (248T)		00945
	TUYUC	050		DF		FO	1.0			04400
	TUYUC	060		HM	L	FO	2.0	083.3 (067T)	005.0	04400

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CON	N431311.19	W0713431.66	N4313.187	W07134.528
	DOJEN	N433441.92	W0710555.22	N4334.699	W07105.920
	GRUMP	N433305.83	W0712327.86	N4333.097	W07123.464
	KOSHI	N433919.63	W0710831.56	N4339.327	W07108.526
	LIMER	N434101.40	W0705438.77	N4341.023	W07054.646
	REZDI	N433628.04	W0711807.03	N4336.467	W07118.117
	TUYUC	N432853.81	W0714313.23	N4328.897	W07143.221
	ZUROT	N433745.13	W0711348.96	N4337.752	W07113.816
	RW26	N433433.14	W0712430.32	N4334.552	W07124.505

RUNWAY DATA	THRESHOLD
RWY	ELEVATION TCH
RW26	00517 40

CITY AND STATE
LACONIA, NH

ELEVATION: 545 TDZE: 533
 AIRPORT NAME:
LACONIA MUNI

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO.:
RNAV (GPS) RWY 26, ORIG

AUG 30 2007

SUP:
 AMDT: **NONE**
 DATED: **B**

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

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TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE									
																ADDITIONAL FLIGHT DATA:	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. _____ 3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: _____										MAG VAR: _____		EPOCH YEAR: _____					
TAKEOFF: ☐ STANDARD ☐ SEE FAA FORM 8260-15A FOR THIS AIRPORT ☐ ALTERNATE: N/A ☐																	
CATEGORY =====>		A		B		C		D		E							
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
NOTES: PROCEDURE CANCELED EFFECTIVE <u>AUG 30 2007</u>																	
CITY AND STATE LACONIA, NH				ELEVATION: 545 TDZE: 533 AIRPORT NAME: LACONIA MUNI				FACILITY IDENTIFIER: GPS				PROCEDURE NO./AMDT NO.: GPS RWY 26, ORIG-A APR 20 2000				SUP AMDT ORIG DATE 04/23/98	



U.S. Department of Transportation Federal Aviation Administration		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 5.04 MILES AFTER DNNIS OR AT LGA VOR/DME 1.12 DME. CLIMB TO 2000 VIA LGA VOR/DME R-043 TO GREKO INT/LGA 5.71 DME AND HOLD, OR WHEN DIRECTED BY ATC, CLIMB TO 2000 VIA HEADING 054 AND CRI VOR/DME R-026 TO GREKO INT/CRI 15.72 DME AND HOLD NE, LT, 206.12 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 222.80 INBOUND CHART FAS OBST: 302 TOWER 404438N/0735427W CHART ALTERNATE MA HOLDING, HOLD NE GREKO, LT, 206.12 INBOUND.											
GRENE INT/LGA 11.10 DME (IF)	DNNIS INT/LGA 6.16 DME	044.13/4.94 (I-LGA)	1700												
1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT GRENE 3. FAC: 044.13 FAF: DNNIS DIST FAF TO MAP: 5.04 THLD: 5.04 4. MIN. ALT: GRENE 2700, DNNIS 1700, WARIN INT/LGA 3.62 DME 860* *LOC ONLY 5. DIST TO THLD FROM OM: 5.04 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1102 6. MIN GS INCPT: 1700 GS ALT AT: DNNIS 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 51.8 8. MSA FROM: LGA VOR/DME 2600				MAG VAR: 12W EPOCH YEAR: 1980											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: #	LOC: STANDARD @									
CATEGORY >>>>>	A		B		C		D		E						
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
S-ILS 4	305	5000	284	305	5000	284	305	5000	284	305	5000	284			
S-LOC 4	560	5000	539	560	5000	539	560	5000	539	560	6000	539			
CIRCLING	640	1	619	640	1	619	640	1 3/4	619	700	2 1/4	679			
NOTES: CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 4 PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE: RADAR REQUIRED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 4 ALL CATS OR S-LOC 4 CAT A/B. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 21 TDZE: 21		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:					
NEW YORK, NY		AIRPORT NAME: LA GUARDIA		I-LGA		AUG 30 2007 ILS OR LOC RWY 4, AMDT 35				AMDT: 34C					
										DATE 04/18/2002					



NOTES (CONTINUED FROM PAGE 1):

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

CITY AND STATE

NEW YORK, NY

ELEVATION:

21 TDZE:

21

AIRPORT NAME:

LA GUARDIA

FACILITY

IDENTIFIER:

I-LGA

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

AUG 30 2007

ILS OR LOC RWY 4, AMDT 35

SUP:

AMDT:

34C

DATED:

04/18/2002



U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: DA											
GRITY (IAF) (40E) (43A)	TICKL (TF) (FB) (RNP 1.00) (40E) (41E)	084.91/10.75	3000	CLIMB TO 2000 VIA 044.14 TRACK TO GREKO AND HOLD.											
MINKS (IAF) (40E) (43A)	RENUE (TF) (FB) (RNP 1.00) (40E)	056.14/12.02	3000												
RENUE (40E)	TICKL (TF) (FB) (RNP 1.00) (40E) (41E)	044.85/3.54	3000	ADDITIONAL FLIGHT DATA: HOLD NE, LT, 223.00 INBOUND CHART FAS OBST: 102 BLDG 404552N/0735319W 174 TANK 404519N/0735306W											
TICKL (IF) (40E) (43I)	DNNIS (TF) (FB) (RNP 1.00) (40E) (43F)	044.62/9.25	1700												
DNNIS (FAF) (40E) (43F)	RW04 (TF) (FO) (40G) (41Y) (43M)	044.09/5.04													
RW04 (MAP) (40G) (41Y) (43M)	GREKO (TF) (FO) (RNP 1.00) (40E) (41E) (43H)	044.14/6.82	2000												
1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)				CHART: 49 BLDG 404600N/0735305W											
2. PROFILE STARTS AT TICKL				CHART: 82 BLDG 404552N/0735312W											
3. FAC: 044.09 FAF: _____ DIST FAF TO MAP: _____ THLD: _____				CHART: 147 BLDG 404520N/0735351W											
4. MIN. ALT: TICKL 3000				DISTANCE TO THLD FROM 316 HAT: 0.83 NM											
5. DIST TO THLD FROM OM: 5.04 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____				ROUTE TYPE: A, R											
6. MIN GS INCPT: 1700 GS ALT AT: DNNIS 1700 OM: _____ MM: _____ IM: _____				ROUTE TYPE QUALIFIER 1: P											
7. GS ANGLE: 3.00 TCH: 51.8# 34:1 IS NOT CLEAR				ROUTE TYPE QUALIFIER 2: A, S											
8. MSA FROM: RW04 2600				#TCH 72.4 MSL (DO NOT CHART)											
				MAG VAR: 12W EPOCH YEAR: 1980											
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
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.18 DA	337	5000	316	337	5000	316	337	5000	316	337	5000	316			
RNP 0.30 DA	474	5000	453	474	5000	453	474	5000	453	474	5000	453			
NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (11F) OR ABOVE 48C (118F). INOPERATIVE TABLE DOES NOT APPLY TO RNP 0.18. FOR INOPERATIVE MALSR, INCREASE RNP 0.30 VISIBILITY TO 1 1/2. VISIBILITY REDUCTION BY HELICOPTERS NA.															
CHART PLANVIEW NOTE: RADAR REQUIRED.															
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.															
CITY AND STATE	ELEVATION: 21 TDZE: 21		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:						
NEW YORK, NY	AIRPORT NAME: LA GUARDIA		RNAV		AUG 30 2007 RNAV (RNP) Z RWY 4, ORIG				AMDT: NONE						
								DATE							

U.S. Department of Transportation
Federal Aviation Administration

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
HAARP (IAF) (40E) (43A) CASLE (IF) (40E) (43I) KUZZZ (FAF) (40E) (43F) PARGS (40E) KYLIE (40E) RW22 (MAP) (40G) (41Y) (43M) JEDNO (40E)	CASLE (TF) (FB) (RNP 1.00) (40E) (41E)	216.54/13.87	3000	MAP: DA											
	KUZZZ (TF) (FB) (RNP 0.80) (40E) (43F)	234.49/5.30	1600	CLIMB TO 2700 VIA 224.15 TRACK TO JEDNO AND 224.39 TRACK TO PROUD AND HOLD.											
	PARGS (TF) (FB) (40E)	249.16/2.01		ADDITIONAL FLIGHT DATA:											
	KYLIE (RF) (FB) (40E)	(1.73 NM RADIUS CCW OYIRE)/0.75		HOLD SW, LT, 045.00 INBOUND											
	RW22 (TF) (FO) (40G) (41Y) (43M)	224.15/2.00		CHART: 280 STACK 404653N/0735347W											
	JEDNO (TF) (FB) (RNP 1.00) (40E)	224.15/5.27	2700	DISTANCE TO THLD FROM 301 HAT: 0.78 NM											
	PROUD (TF) (FO) (RNP 1.00) (40E) (41E) (43H)	224.39/5.77		ROUTE TYPE: A, R											
				ROUTE TYPE QUALIFIER 1: P											
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				ROUTE TYPE QUALIFIER 2: A, S											
2. PROFILE STARTS AT CASLE				#TCH 63.4 MSL (DO NOT CHART)											
3. FAC: <u> # </u> FAF: <u> # </u> SEE TERMINAL ROUTES FROM KUZZZ DIST FAF TO MAP: <u> </u> THLD: <u> </u>				MAG VAR: 12W EPOCH YEAR: 1980											
4. MIN. ALT: CASLE 3000															
5. DIST TO THLD FROM OM: <u> 4.76 </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>															
6. MIN GS INCPT: <u> 1600 </u> GS ALT AT: <u>KUZZZ 1600, PARGS 947, KYLIE 704</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u> 3.00 </u> TCH: <u> 51.9# </u> <u> 34:1 IS CLEAR </u>															
8. MSA FROM: <u>RW22 2600</u>															
MINIMUMS															
TAKEOFF:	☐ STANDARD	☒ X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	☒ X										
CATEGORY <u>=====</u>	A		B		C		D	E							
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30* DA	313	2400	301	313	2400	301	313	2400	301	313	2400	301			
RNP 0.30 DA	393	4000	381	393	4000	381	393	4000	381	393	4000	381			
NOTES: CHART NOTES: RF AND GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -12C (11F) OR ABOVE 48C (119F). *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 310 FEET PER NM TO 700. FOR INOPERATIVE ALSF, INCREASE RNP 0.30* VISIBILITY TO RVR 5000 AND RNP 0.30 TO RVR 6000.															
CHART PLANVIEW NOTE AT HAARP: (RNP 0.80)															
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.															
CITY AND STATE		ELEVATION: <u> 21 </u> TDZE: <u> 12 </u>		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:					
NEW YORK, NY		AIRPORT NAME: <u> LA GUARDIA </u>		RNAV		RNAV (RNP) Z RWY 22, ORIG				AMDT: <u> NONE </u>					
										DATE					



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
PONAE (IF)	DNNIS (FB)	044.06 / 6.96	1700	LPV: DA LNAV/VNAV: DA LNAV: RW04 CLIMB TO 2000 DIRECT GREKO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 223.00 INBOUND. CHART FAS OBST: 261 BLDG 404442N/0735309W CHART FAS OBST: 302 TOWER 404438N/0735427W CHART 360 TOWER 404420N/0735552W. WAAS CHANNEL # 60918 REFERENCE PATH ID: W04A DISTANCE TO THLD FROM 302 HAT: 0.79 NM

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT PONAE
- FAC: 044.09 FAF: DNNIS DIST FAF TO MAP: 5.04 THLD: 5.04
- MIN. ALT: PONAE 3000, DNNIS 1700, WARIN/2.50 NM TO RW04 860*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 1700 GS ALT AT: DNNIS OM: MM: IM:
- GS ANGLE: 3.00 TCH: 51.8 34:1 IS NOT CLEAR
- MSA FROM: RW04 2600

MAG VAR: 12W 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
LPV DA	323	5000	302	323	5000	302	323	5000	302	323	5000	302			
LNAV/VNAV DA	566	1 1/2	545	566	1 1/2	545	566	1 1/2	545	566	1 1/2	545			
LNAV MDA	560	5000	539	560	5000	539	560	5000	539	560	6000	539			
CIRCLING	640	1	619	640	1	619	640	1 1/2	619	700	2 1/4	679			

NOTES:
 CHART NOTE: WHEN VGSi INOP, STRAIGHT-IN/CIRCLING RWY 4 PROCEDURE NA AT NIGHT.
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS OR LNAV CATS A AND B.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 SEE 8260-10

@ CAT D 800-2 1/4

CITY AND STATE NEW YORK, NY	ELEVATION: 21 TDZE: 21 AIRPORT NAME: LA GUARDIA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) Y RWY 4, AMDT 2 AUG 30 2007	SUP: RNAV (GPS) RWY 4 AMDT: 1 DATED
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RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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

NOTES CONT.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PLANVIEW NOTE: RADAR REQUIRED

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CHART PROFILE NOTE: * LNAV ONLY

CITY AND STATE

NEW YORK, NY

ELEVATION: 21 TDZE: 21

AIRPORT NAME:

LA GUARDIA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) Y RWY 4, AMDT 2

AUG 30 2007

SUP: RNAV (GPS) RWY 4

AMDT: 1

DATED:



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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLGA
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	404608.9925N
LTP/FTP LONGITUDE	0735302.8300W
LTP/FTP ELLIPSOIDAL HEIGHT	-00252
FPAP LATITUDE	404707.5700N
FPAP LONGITUDE	0735214.4200W
THRESHOLD CROSSING HEIGHT (TCH)	00051.8
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)	50.0

CRC REMAINDER

F0905E9C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00063
FPAP ORTHOMETRIC HEIGHT	+00063

CITY AND STATE NEW YORK, NY	ELEVATION: 21 TDZE: 21 AIRPORT NAME: LA GUARDIA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) Y RWY 4, AMDT 2 AUG 30 2007	SUP: RNAV (GPS) RWY 4
				AMDT: 1
				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]

CITY AND STATE NEW YORK, NY	ELEVATION: 21 TDZE: 21 AIRPORT NAME: LA GUARDIA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) Y RWY 4, AMDT 2 AUG 30 2007	SUP: RNAV (GPS) RWY 4
				AMDT: 1
				DATED:



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

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CITY AND STATE
NEW YORK, NY

ELEVATION: 21 TDZE: 21
AIRPORT NAME:
LA GUARDIA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) Y RWY 4, AMDT 2
AUG 30 2007

SUP: RNAV (GPS) RWY 4
AMDT: 1
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 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
			010		HF		FB				
		PONAE	010	FACF	IF		FB				
		DNNIS	020	FAF	TF		FB	0.5	044.1 (032T)	007.0	01700
		WARIN	021	SDF	TF		FB	0.3	044.1 (032T)	002.5	00860
		RW04	030	MAP	TF		FO	0.3	044.1 (032T)	002.5	00073

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	GREKO	040		DF		FO	1.0			02000
	GREKO	050		HM	L	FO	2.0	223.0 (211T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DNNIS	N404152.67	W0735634.29	N4041.878	W07356.572
	GREKO	N405155.66	W0734815.87	N4051.928	W07348.265
	PONAE	N403558.64	W0740125.67	N4035.977	W07401.428
	WARIN	N404401.87	W0735447.77	N4044.031	W07354.796
	WARIN	N404401.90	W0735447.80	N4044.032	W07354.797
	RW04	N404608.99	W0735302.83	N4046.150	W07353.047

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW04	00021	52

CITY AND STATE
NEW YORK, NY

ELEVATION: 21 TDZE: 21
 AIRPORT NAME:
 LA GUARDIA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
 RNAV (GPS) Y RWY 4, AMDT 2
 AUG 30 2007

SUP: RNAV (GPS) RWY 4
 AMDT: 1
 DATED:



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
FROGI (IF)	GREKO (FB)	224.24 / 6.29	1900	LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 2700 DIRECT JEDNO AND VIA 224.39 TRACK TO PROUD AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 045.00 INBOUND. CHART FAS OBST: 130 BLDG 404726N/0735228W CHART FAS OBST: 384 BRIDGE 404817N/0734954W CHART 549 ANTENNA 405135N/0734707W. CHART VDP AT 1.57 MILES TO RW22* *LNAV ONLY. WAAS CHANNEL # 70318 REFERENCE PATH ID: W22A DISTANCE TO THLD FROM 250 HAT: 0.62 NM

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT FROGI
- FAC: 224.18 FAF: GREKO DIST FAF TO MAP: 5.67 THLD: 5.67
- MIN. ALT: FROGI 3000, GREKO 1900
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 1900 GS ALT AT: GREKO OM: MM: IM:
- GS ANGLE: 3.00 TCH: 51.9 34:1 IS CLEAR
- MSA FROM: RW22 2600

MAG VAR: 12W EPOCH YEAR: 1980

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	262	2400	250	262	2400	250	262	2400	250	262	2400	250			
LNAV/VNAV DA	527	6000	515	527	6000	515	527	6000	515	527	6000	515			
LNAV MDA	580	2400	568	580	2400	568	580	5000	568	580	6000	568			
CIRCLING	640	1	619	640	1	619	640	1 3/4	619	700	2 1/4	679			

NOTES:
 CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 4 NA AT NIGHT.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 49C (120F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PLANVIEW NOTE: RADAR REQUIRED
 CHART PROFILE NOTE: VGSI AND RNAV GLIDE PATH NOT COINCIDENT.

@ CAT D 800-2 1/4

CITY AND STATE NEW YORK, NY	ELEVATION: 21 TDZE: 12 AIRPORT NAME: LA GUARDIA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) Y RWY 22, AMDT 2 AUG 30 2007	SUP: RNAV (GPS) RWY 22 AMDT: 1 DATED 06/08/2006
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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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	KLGA
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	404707.5735N
LTP/FTP LONGITUDE	0735214.4205W
LTP/FTP ELLIPSOIDAL HEIGHT	-00279
FPAP LATITUDE	404608.9900N
FPAP LONGITUDE	0735302.8300W
THRESHOLD CROSSING HEIGHT (TCH)	00051.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

346EF0CB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00035
FPAP ORTHOMETRIC HEIGHT	+00035

CITY AND STATE
NEW YORK, NY

ELEVATION: 21 TDZE: 12
AIRPORT NAME:
LA GUARDIA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) Y RWY 22, AMDT 2
AUG 30 2007

SUP: RNAV (GPS) RWY 22
AMDT: 1
DATED: 06-08-2006



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

[illegible]

CITY AND STATE NEW YORK, NY	ELEVATION: 21 TDZE: 12 AIRPORT NAME: LA GUARDIA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) Y RWY 22, AMDT 2 AUG 30 2007	SUP: RNAV (GPS) RWY 22
				AMDT: 1
				DATED: 06-08-2006



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

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

CITY AND STATE
NEW YORK, NY

ELEVATION: 21 TDZE: 12
AIRPORT NAME:
LA GUARDIA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) Y RWY 22, AMDT 2
AUG 30 2007

SUP: RNAV (GPS) RWY 22
AMDT: 1
DATED: 06-08-2006



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

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

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
			010		HF		FB				
		FROGI	010	FACF	IF		FB				
		GREKO	020	FAF	TF		FB	0.5	224.2 (212T)	006.3	01900
		RW22	030	MAP	TF		FO	0.3	224.2 (212T)	005.7	00064

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	JEDNO	040		DF		FB	1.0			
	PROUD	050		TF		FO	1.0	224.4 (212T)		02700
	PROUD	060		HM	L	FO	2.0	045.0 (033T)	005.0	02700

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FROGI	N405715.20	W0734350.44	N4057.253	W07343.841
	GREKO	N405155.66	W0734815.87	N4051.928	W07348.265
	JEDNO	N404239.63	W0735555.70	N4042.661	W07355.928
	PROUD	N403747.25	W0735959.12	N4037.788	W07359.985
	RW22	N404707.57	W0735214.42	N4047.126	W07352.240

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22	00012	52

CITY AND STATE
NEW YORK, NY

ELEVATION: 21 TDZE: 12
AIRPORT NAME:
LA GUARDIA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO.:
RNAV (GPS) Y RWY 22, AMDT 2
AUG 30 2007

SUP: RNAV (GPS) RWY 22
AMDT: 1
DATED: 06-08-2006



TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 3, 9, 21, 27 STANDARD.

RWY 15, 200-1 OR STANDARD WITH MINIMUM CLIMB OF 404 FT PER NM TO 1700.

RWY 33, 200-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 343 FT PER NM TO 1700.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 3 - CLIMB HEADING 029.89 TO 2300 BEFORE TURNING EASTBOUND.

RWY 9 - CLIMB HEADING 098.18 TO 2000, THEN LEFT TURN DIRECT FSD VORTAC.

RWY 15 - CLIMB HEADING 149.94 TO 2000, THEN RIGHT TURN DIRECT FSD VORTAC.

RWY 21 - CLIMB HEADING 209.90 TO 2200 BEFORE TURNING EASTBOUND.

RWY 27 - CLIMB HEADING 278.19 TO 2100 BEFORE TURNING EASTBOUND.

RWY 33 - CLIMB HEADING 329.95 TO 2200 BEFORE TURNING EASTBOUND.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, ANTENNA 2,238' FROM DER, 919' RIGHT OF CENTERLINE, 87' AGL/1506' MSL. POLE 1,256' FROM DER, 23' LEFT OF CENTERLINE, 43' AGL/1464' MSL. WINDSOCK 331' FROM DER, 582' RIGHT OF CENTERLINE, 14' AGL/1433' MSL.

NOTE: RWY 15, ANTENNA 3,056' FROM DER, 983' LEFT OF CENTERLINE, 117' AGL/1576' MSL. MULTIPLE TREES BEGINNING 1,211' FROM DER, 471' LEFT OF CENTERLINE, UP TO 38' AGL/1477' MSL. TOWER 3,102' FROM DER, 972' LEFT OF CENTERLINE, 61' AGL/1520' MSL. TREES AND POLE BEGINNING 1,746' FROM DER, 316' RIGHT OF CENTERLINE, UP TO 87' AGL/1516' MSL. (CONTINUED)

(4) CONTROLLING OBSTACLES:

RWY 3, 9, 21, 27: 3426 MSL TOWER 433018.00N/0963323.00W.

RWY 15: 1576 MSL ANT ON BLDG 433400.46N/0964330.13W, 3426 MSL TOWER 433018.00N/0963323.00W.

RWY 33: 1585 MSL ANT ON OL RTR TWR 433604.01N/0964517.73W, 1594 MSL POLE 433619.36N/0964539.72W, 1603 MSL TREE 433617.67N/0964537.10W, 3426 MSL TOWER 433018.00N/0963323.00W.

(5) City, State

SIoux FALLS, SD

(6) Airport

JOE FOSS FIELD

(7) Effective Date

AUG 30 2007

(8) Amdt. No.

7



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		
BIMTE (IAF)	CAGSO (FB)	085.20 / 5.00	2000	LPV: DA LNAV/VNAV: DA LNAV: RW18	
ACECI (IAF)	CAGSO (FB)	265.30 / 5.00	2000	CLIMB TO 2000 DIRECT ZUXUG AND VIA 202.81 TRACK TO EBERE AND HOLD.	
CAGSO (IF)	DILRE (FB)	175.25 / 6.20	2000		
				ADDITIONAL FLIGHT DATA: HOLD S, RT, 022.81 INBOUND. DO NOT CHART. CHART FAS OBST: 546 TOWER 295050N/0955259W CHART FAS OBST: 196 POWER POLE (RELOCATED) 294858N/0955400W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.80 MILES TO RW18* *LNAV ONLY. WAAS CHANNEL # 49004 REFERENCE PATH ID: W18A	
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT CAGSO 3. FAC: <u>175.25</u> FAF: <u>DILRE</u> DIST FAF TO MAP: <u>5.54</u> THLD: <u>5.54</u> 4. MIN. ALT: <u>CAGSO 2000, DILRE 2000</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>2000</u> GS ALT AT: <u>DILRE</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW18 3100</u>					
				MAG VAR: 4E 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
LPV DA	418	1	250	418	1	250	418	1	250	418	1	250			
LNAV/VNAV DA	708	2	540	708	2	540	708	2	540	708	2	540			
LNAV MDA	780	1	612	780	1	612	780	1 3/4	612	780	2	612			
CIRCLING	820	1	652	820	1	652	820	1 3/4	652	860	2 1/4	692			

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

CITY AND STATE HOUSTON, TX	ELEVATION: 168 TDZE: 168 AIRPORT NAME: HOUSTON EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 18, ORIG AUG 30 2007	SUP: AMDT: NONE DATED
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RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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

NOTES CONT.

CHART NOTE: VDP NA WHEN USING DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING.

CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING AND INCREASE LPV DA TO 475 FEET, LNAV/VNAV DA TO 950 FEET; INCREASE ALL MDAS 60 FEET.

CITY AND STATE

HOUSTON, TX

ELEVATION: 168

TDZE: 168

AIRPORT NAME:

HOUSTON EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 18, ORIG

AUG 30 2007

SUP:

AMDT:

NONE

DATED:

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTME
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W18A
REFERENCE PATH IDENTIFIER (APPROACH ID)	294850.8400N
LTP/FTP LATITUDE	0955352.8700W
LTP/FTP LONGITUDE	+00236
LTP/FTP ELLIPSOIDAL HEIGHT	294721.5300N
FPAP LATITUDE	0955351.5300W
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	1208
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER

5E04389C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00511
FPAP ORTHOMETRIC HEIGHT	+00511

CITY AND STATE

HOUSTON, TX

ELEVATION: 168

TDZE: 168

AIRPORT NAME:

HOUSTON EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 18, ORIG

AUG 30 2007

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.

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KTMEK4FR18	AACECI	010ACECIK4EA0E	A	IF						18000		A JS	
SUSAP KTMEK4FR18	AACECI	020CAGSOK4EA0EE		010TF		26530050		+ 02000				A JS	
SUSAP KTMEK4FR18	ABIMTE	010BIMTEK4EA0E	A	IF						18000		A JS	
SUSAP KTMEK4FR18	ABIMTE	020CAGSOK4EA0EE		010TF		08520050		+ 02000				A JS	
SUSAP KTMEK4FR18	R	010CAGSOK4EA0E	I	IF				+ 02000		18000		A JS	
SUSAP KTMEK4FR18	R	020DILREK4EA0E	F	051TF		17530062		+ 02000			RW18	K4PGA JS	
SUSAP KTMEK4FR18	R	030RW18 K4PGOGY	M	031TF		17530055		00208		-300		A JS	
SUSAP KTMEK4FR18	R	040ZUXUGK4EA0E	M	010DF								A JS	
SUSAP KTMEK4FR18	R	050EBEREK4EA0EY		010TF		2028		+ 02000				A JS	
SUSAP KTMEK4FR18	R	060EBEREK4EA0EE		HR020HM		02280040		+ 02000				A JS	

[illegible]

SUP:	
AMDT:	NONE
DATED:	APR 1964

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	KIMEK4SRW18	K4PG	0 25180031					M						

CITY AND STATE
HOUSTON, TX

ELEVATION: 168 TDZE: 168
AIRPORT NAME:
HOUSTON EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 18, ORIG
AUG 30 2007

SUP:
AMDT: NONE
DATED: 5 8

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 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ACECI	ACECI	010	IAF	IF		FB				
	ACECI	CAGSO	020		TF		FB	1.0	265.3 (269T)	005.0	02000
	BIMTE	BIMTE	010	IAF	IF		FB				
	BIMTE	CAGSO	020		TF		FB	1.0	085.2 (089T)	005.0	02000
		CAGSO	010	FACF	IF		FB				02000
		DILRE	020	FAF	TF		FB	0.5	175.3 (179T)	006.2	02000
		RW18	030	MAP	TF		FO	0.3	175.3 (179T)	005.5	00208

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ZUXUG	040		DF		FB	1.0			
	EBERE	050		TF		FO	1.0	202.8 (207T)		02000
	EBERE	060		HM	R	FO	2.0	022.8 (027T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ACECI	N300040.70	W0954817.98	N3000.678	W09548.300
	BIMTE	N300032.83	W0955948.99	N3000.547	W09559.817
	CAGSO	N300036.89	W0955403.49	N3000.615	W09554.058
	DILRE	N295423.96	W0955357.88	N2954.399	W09553.965
	EBERE	N293610.12	W0955925.64	N2936.169	W09559.427
	ZUXUG	N294550.35	W0955350.17	N2945.839	W09553.836
	RW18	N294850.84	W0955352.87	N2948.847	W09553.881

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00168	40

CITY AND STATE
HOUSTON, TXELEVATION: 168 TDZE: 168
AIRPORT NAME:
HOUSTON EXECUTIVEFACILITY
IDENTIFIER:
RNAVPROCEDURE NO./ AMDT NO.:
RNAV (GPS) RWY 18, ORIG

AUG 30 2007

SUP:

AMDT: NONE

DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
EBERE (IAF)	TIDUY (FB)	085.20 / 5.00	2000	LPV: DA LNAV/VNAV: DA LNAV: RW36	
CAROG (IAF)	TIDUY (FB)	265.30 / 5.00	2000	CLIMB TO 2000 DIRECT AGAXE AND VIA 327.66 TRACK TO BIMTE AND HOLD.	
TIDUY (IF)	ZATBA (FB)	355.25 / 6.20	2000		
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 147.66 INBOUND. DO NOT CHART. CHART FAS OBST: 359 AAO 294442N/0955402W DISTANCE TO THLD FROM 250 HAT: 0.67 NM. CHART VDP AT 1.30 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 97504 REFERENCE PATH ID: W36A	
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT TIDUY 3. FAC: <u>355.25</u> FAF: <u>ZATBA</u> DIST FAF TO MAP: <u>5.55</u> THLD: <u>5.55</u> 4. MIN. ALT: <u>TIDUY 2000, ZATBA 2000</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>2000</u> GS ALT AT: <u>ZATBA</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW36 3100</u>					
				MAG VAR: 4E 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
LPV DA	417	1	250	417	1	250	417	1	250	417	1	250			
LNAV/VNAV DA	683	1 3/4	516	683	1 3/4	516	683	1 3/4	516	683	1 3/4	516			
LNAV MDA	620	1	453	620	1	453	620	1 1/4	453	620	1 1/2	453			
CIRCLING	820	1	652	820	1	652	820	1 3/4	652	860	2 1/4	692			

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
 CHART NOTE: DME/DME RNP-0.3 NA.

SEE 8260-10	CITY AND STATE HOUSTON, TX	ELEVATION: 168 TDZE: 167 AIRPORT NAME: HOUSTON EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 36, ORIG AUG 30 2007	SUP: AMDT: NONE DATED
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RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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

NOTES CONT.

CHART NOTE: VDP NA WHEN USING DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING.

CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE DAVID WAYNE HOOKS MEMORIAL ALTIMETER SETTING AND INCREASE LPV DA TO 474 FEET, LNAV/VNAV DA TO 949 FEET; INCREASE ALL MDAS 60 FEET.

CITY AND STATE

HOUSTON, TX

ELEVATION: 168

TDZE: 167

AIRPORT NAME:

HOUSTON EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 36, ORIG

AUG 30 2007

SUP:

AMDT:

DATED:

NONE

B

APPROVED

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 KTME
RUNWAY RW36
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W36A
LTP/FTP LATITUDE 294800.8500N
LTP/FTP LONGITUDE 0955352.1200W
LTP/FTP ELLIPSOIDAL HEIGHT +00229
FPAP LATITUDE 294930.1600N
FPAP LONGITUDE 0955353.4600W
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 1208
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

B608B389

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +00504
FPAP ORTHOMETRIC HEIGHT +00504

CITY AND STATE

HOUSTON, TX

ELEVATION: 168

TDZE: 167

AIRPORT NAME:

HOUSTON EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 36, ORIG

AUG 30 2007

SUP:

AMDT:

NONE

DATED:

B

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KTMEK4FR36	ACAROG	010CAROGK4EA0E	A	IF					18000		A	JS
SUSAP	KTMEK4FR36	ACAROG	020TIDUYK4EA0EE		010TF		26530050	+	02000			A	JS
SUSAP	KTMEK4FR36	AEBERE	010EBEREK4EA0E	A	IF					18000		A	JS
SUSAP	KTMEK4FR36	AEBERE	020TIDUYK4EA0EE		010TF		08520050	+	02000			A	JS
SUSAP	KTMEK4FR36	R	010TIDUYK4EA0E	I	IF					18000		A	JS
SUSAP	KTMEK4FR36	R	020ZATBAK4EA0E	F	051TF		35530062	+	02000		RW36	K4PGA	JS
SUSAP	KTMEK4FR36	R	030RW36	K4PGOGY	M	031TF	35530056		00205	-300		A	JS
SUSAP	KTMEK4FR36	R	040AGAXEK4EA0E	M	010DF							A	JS
SUSAP	KTMEK4FR36	R	050BIMTEK4EA0EY		010TF		3277	+	02000			A	JS
SUSAP	KTMEK4FR36	R	060BIMTEK4EA0EE		HR020HM		14770040	+	02000			A	JS

[illegible]

SUP:	
AMDT:	NONE
DATED:	04 8

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

[illegible]

SUP:	
AMDT:	NONE
DATED:	04/04/2014

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 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CAROG	CAROG	010	IAF	IF		FB				
	CAROG	TIDUY	020		TF		FB	1.0	265.3 (269T)	005.0	02000
	EBERE	EBERE	010	IAF	IF		FB				
	EBERE	TIDUY	020		TF		FB	1.0	085.2 (089T)	005.0	02000
		TIDUY	010	FACF	IF		FB				02000
		ZATBA	020	FAF	TF		FB	0.5	355.3 (359T)	006.2	02000
		RW36	030	MAP	TF		FO	0.3	355.3 (359T)	005.6	00205

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	AGAXE	040		DF		FB	1.0			
	BIMTE	050		TF		FO	1.0	327.7 (332T)		02000
	BIMTE	060		HM	R	FO	2.0	147.7 (152T)	004.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AGAXE	N295101.48	W0955354.84	N2951.025	W09553.914
	BIMTE	N300032.83	W0955948.99	N3000.547	W09559.817
	CAROG	N293617.99	W0954757.41	N2936.300	W09547.957
	EBERE	N293610.12	W0955925.64	N2936.169	W09559.427
	TIDUY	N293614.18	W0955341.53	N2936.236	W09553.692
	ZATBA	N294227.27	W0955347.12	N2942.455	W09553.785
	RW36	N294800.85	W0955352.12	N2948.014	W09553.869

RUNWAY DATA	RWY	THRESHOLD	TCH
		ELEVATION	
	RW36	00165	40

CITY AND STATE

HOUSTON, TX

ELEVATION: 168 TDZE: 167
AIRPORT NAME:

HOUSTON EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 36, ORIG

AUG 30 2007

SUP:

AMDT:

DATED:

NONE

B

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:

RWY 36 - CLIMB HEADING 355.25 TO 700 BEFORE TURNING EAST.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 36, POWER POLES FROM LEFT TO RIGHT BEGINNING 703' FROM DER, 623' LEFT TO 685' RIGHT OF CENTERLINE, UP TO 32' AGL/196' MSL.

(4) CONTROLLING OBSTACLES:

RWY 36: 546 MSL TOWER 295050.00N/0955259.00W.

(5) City, State

HOUSTON, TX

(6) Airport

HOUSTON EXECUTIVE

(7) Effective Date

AUG 30 2007

(8) Amdt. No.

ORIG

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	
EAU VORTAC (IAF)	OJYAB (NOPT) (FB)	265.15 / 4.30	2800	LPV: DA LNAV/VNAV: DA LNAV: RW27
OJYAB (IF/IAF)	EQNAC (FB)	268.57 / 6.10	2800	CLIMB TO 2800 DIRECT HATEL AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD W, RT, 088.15 INBOUND. CHART FAS OBST: 939 ANT ON BLDG 445322N/0915119W CHART 1279 TREE 445433N/0914311W. DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.15 MILES TO RW27* *LNAV ONLY. WAAS CHANNEL # 97604 REFERENCE PATH ID: W27A CHART TDZ ELEVATION 894
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E OJYAB, RT, 268.57 INBOUND, 2800 FT. IN LIEU OF PT (IAF) 3. FAC: 268.46 FAF: EQNAC DIST FAF TO MAP: 5.77 THLD: 5.77 4. MIN. ALT: OJYAB 2800, EQNAC 2800, PENIY/2.00 NM TO RW27 1560* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2800 GS ALT AT: EQNAC OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW27 3200				MAG VAR: 1E EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:		STANDARD	X	SEE FAA FORM	8260-15A	FOR THIS AIRPORT	ALTERNATE: N A		STANDARD @							
CATEGORY ==>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	1144	1	250	1144	1	250	1144	1	250		NA					
LNAV/VNAV DA	1430	2	536	1430	2	536	1430	2	536		NA					
LNAV MDA	1300	1	406	1300	1	406	1300	1 1/4	406		NA					
CIRCLING	1440	1	545	1440	1	545	1520	1 3/4	625		NA					

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING CHIPPEWA VALLEY REGIONAL ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE MENOMONIE, WI	ELEVATION: 895 TDZE: 894	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 27, ORIG AUG 30 2007	SUP:
	AIRPORT NAME: MENOMONIE MUNICIPAL-SCORE FIELD			AMDT: NONE
				DATED

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

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

NOTES CONT.***LNAV ONLY**

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EAU VORTAC ON AIRWAY RADIALS 254 CW 322.

CHART NOTE: VDP NA WHEN USING CHIPPEWA VALLEY REGIONAL ALTIMETER SETTING.

CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHIPPEWA VALLEY REGIONAL ALTIMETER SETTING AND INCREASE ALL DAS 41 FEET AND ALL MDAS 60 FEET.

CITY AND STATE
MENOMONIE, WI

ELEVATION: 895 TDZE: 894
AIRPORT NAME:
MENOMONIE MUNICIPAL-SCORE FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 27, ORIG
AUG 30 2007

SUP:
AMDT: NONE
DATED:

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	LUM
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	445327.5230N
LTP/FTP LONGITUDE	0915126.4080W
LTP/FTP ELLIPSOIDAL HEIGHT	+02415
FPAP LATITUDE	445326.5200N
FPAP LONGITUDE	0915331.7300W
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	1200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

BEA16B93

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02721
FPAP ORTHOMETRIC HEIGHT	+02721

CITY AND STATE

MENOMONIE, WI

ELEVATION: 895

TDZE: 894

AIRPORT NAME:

MENOMONIE MUNICIPAL-SCORE FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 27, ORIG

AUG 30 2007

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]

CITY AND STATE MENOMONIE, WI	ELEVATION: 895 TDZE: 894 AIRPORT NAME: MENOMONIE MUNICIPAL-SCORE FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) RWY 27, ORIG AUG 30 2007	SUP:
				AMDT: NONE
				DATED: 

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

[illegible]

SUP:	
AMDT:	NONE
DATED:	

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

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

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	EAU	EAU	010	IAF	IF		FB				
	EAU	OJYAB	020		TF		FB	1.0	265.2 (266T)	004.3	02800
	OJYAB	OJYAB	010		HF	R	FB		268.6 (270T)	005.0	02800
		OJYAB	010	FACF	IF		FB				02800
		EQNAC	020	FAF	TF		FB	0.5	268.6 (270T)	006.1	02800
		PENIY	021	SDF	TF		FB	0.3	268.5 (270T)	003.8	01560
		RW27	030	MAP	TF		FO	0.3	268.5 (270T)	002.0	00933

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HATEL	040		DF		FO	1.0			02800
	HATEL	050		HM	R	FO	2.0	088.2 (089T)	005.0	02800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EAU	N445351.60	W0912842.80	N4453.860	W09128.713
	EQNAC	N445331.04	W0914319.72	N4453.517	W09143.329
	HATEL	N445317.67	W0920917.75	N4453.295	W09209.296
	OJYAB	N445334.13	W0913444.62	N4453.569	W09134.744
	PENIY	N445328.80	W0914837.62	N4453.480	W09148.627
	RW27	N445327.52	W0915126.41	N4453.459	W09151.440

RUNWAY DATA	THRESHOLD	ELEVATION	TCH
RWY			
RW27	00893		40

CITY AND STATE
MENOMONIE, WI

ELEVATION: 895 TDZE: 894
 AIRPORT NAME:
MENOMONIE MUNICIPAL-SCORE FIELD

FACILITY
 IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 27, ORIG
AUG 30 2007

SUP:
 AMDT: **NONE**
 DATED:

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
EAU VORTAC	HATEL (FB)	268.12 / 28.85	2800	LPV: DA LNAV/VNAV: DA LNAV: RW09 CLIMB TO 2800 DIRECT OJYAB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 268.57 INBOUND. CHART FAS OBST: 1019 TREE 445316N/0915301W CHART FAS OBST: 1135 TOWER 445233N/0915428W CHART 1262 TOWER 445314N/0915638W. DISTANCE TO THLD FROM 299 HAT: 0.81 NM. WAAS CHANNEL # 40304 REFERENCE PATH ID: W09A
ELPAS (IAF)	HATEL (NOPT) (FB)	044.40 / 10.24	2800	
BITLR (IAF)	HATEL (NOPT) (FB)	086.94 / 7.22	2800	
HATEL (IF/IAF)	ANILE (FB)	088.15 / 6.10	2800	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD W HATEL, RT, 088.15 INBOUND, 2800 FT. IN LIEU OF PT (IAF)**
- FAC: 088.25 FAF: ANILE DIST FAF TO MAP: 5.76 THLD: 5.76
- MIN. ALT: **HATEL 2800, ANILE 2800, WIBAM/2.20 NM TO RW09 1640***
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2800 GS ALT AT: ANILE OM: MM: IM:
- GS ANGLE: 3.00 TCH: 43.0 **34:1 IS NOT CLEAR**
- MSA FROM: **RW09 3200**

MAG VAR: 1E EPOCH YEAR: 2000

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1193	1	299	1193	1	299	1193	1	299		NA				
LNAV/VNAV DA	1279	1 1/4	385	1279	1 1/4	385	1279	1 1/4	385		NA				
LNAV MDA	1360	1	466	1360	1	466	1360	1 1/4	466		NA				
CIRCLING	1440	1	545	1440	1	545	1520	1 3/4	625		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.

*LNAV ONLY

SEE 8260-10

CITY AND STATE MENOMONIE, WI	ELEVATION: 895 TDZE: 894 AIRPORT NAME: MENOMONIE MUNICIPAL-SCORE FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 9, ORIG AUG 30 2007	SUP: AMDT: NONE DATED
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**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated..
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NOTES CONT.**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BITLR VIA V510 NORTHWEST BOUND.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EAU VORTAC ON AIRWAY RADIALS 286 CW 322.****CHART NOTE: LNAV/VNAV MINIMUMS NA WHEN USING CHIPPEWA VALLEY REGIONAL ALTIMETER SETTING.****CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHIPPEWA VALLEY REGIONAL ALTIMETER SETTING AND INCREASE LPV DA 41 FEET AND ALL MDAS 60 FEET.**

CITY AND STATE

MENOMONIE, WI

ELEVATION: 895 TDZE: 894

AIRPORT NAME:

MENOMONIE MUNICIPAL-SCORE FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 9, ORIG

AUG 30 2007

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	LUM
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	445326.9590N
LTP/FTP LONGITUDE	0915236.8850W
LTP/FTP ELLIPSOIDAL HEIGHT	+02413
FPAP LATITUDE	445327.9500N
FPAP LONGITUDE	0915031.5700W
THRESHOLD CROSSING HEIGHT (TCH)	00043.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1200
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

E4E66032

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02719
FPAP ORTHOMETRIC HEIGHT	+02719

CITY AND STATE
MENOMONIE, WI

ELEVATION: 895 TDZE: 894
AIRPORT NAME:
MENOMONIE MUNICIPAL-SCORE FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO.:
RNAV (GPS) RWY 9, ORIG
AUG 30 2007

SUP:
AMDT: NONE
DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP LUM K5FR09	ABITLR	010BITLRK5EA0E	A	IF					18000			A JS	I
SUSAP LUM K5FR09	ABITLR	020HATELK5EA0EE		010TF		08690072		+ 02800				A JS	I
SUSAP LUM K5FR09	AEAU	010EAU K5D 0V		IF					18000			A JS	I
SUSAP LUM K5FR09	AEAU	020HATELK5EA0E		020TF		26810289		+ 02800				A JS	I
SUSAP LUM K5FR09	AEAU	030HATELK5EA0EE	CR	HF		08820050		+ 02800				A JS	I
SUSAP LUM K5FR09	AELPAS	010ELPASK5EA0E	A	IF					18000			A JS	I
SUSAP LUM K5FR09	AELPAS	020HATELK5EA0EE		010TF		04440102		+ 02800				A JS	I
SUSAP LUM K5FR09	R	010HATELK5EA0E	I	IF				+ 02800	18000			A JS	I
SUSAP LUM K5FR09	R	020ANILEK5EA0E	F	051TF		08820061		+ 02800			RW09 K5PGA	JS	I
SUSAP LUM K5FR09	R	021WIBAMK5EA0E	S	031TF		08830036		V 0164001641		-300		A JS	I
SUSAP LUM K5FR09	R	030RW09 K5PG0GY	M	031TF		08830022		00935		-300		A JS	I
SUSAP LUM K5FR09	R	040OJYABK5EA0EYM		010DF				+ 02800				A JS	I
SUSAP LUM K5FR09	R	050OJYABK5EA0EE		HR020HM		26860050		+ 02800				A JS	I

[illegible]

CITY AND STATE MENOMONIE, WI	ELEVATION: 895 TDZE: 894 AIRPORT NAME: MENOMONIE MUNICIPAL-SCORE FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO.: RNAV (GPS) RWY 9, ORIG AUG 30 2007	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.

I

SUSAP	LUM	K5PR09	RW09	001	0000W09A0N4453269590W09152368850+024130300N4453279500W09150315700106751200000430F400500E4E66032I
SUSAP	LUM	K5PR09	RW09	002	+02719+02719W09A 40304 000 I

SUSAP LUM K5SRW09 K5PG 0 25180032 M I

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 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BITLR	BITLR	010	IAF	IF		FB				
	BITLR	HATEL	020		TF		FB	1.0	086.9 (088T)	007.2	02800
	EAU	EAU	010		IF		FB				
	EAU	HATEL	020		TF		FB	2.0	268.1 (269T)	028.9	02800
	EAU	HATEL	030		HF	R	FB		088.2 (089T)	005.0	02800
	ELPAS	ELPAS	010	IAF	IF		FB				
	ELPAS	HATEL	020		TF		FB	1.0	044.4 (045T)	010.2	02800
		HATEL	010	FACF	IF		FB				02800
		ANILE	020	FAF	TF		FB	0.5	088.2 (089T)	006.1	02800
		WIBAM	021	SDF	TF		FB	0.3	088.3 (089T)	003.6	01640
		RW09	030	MAP	TF		FO	0.3	088.3 (089T)	002.2	00935

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	OJYAB	040		DF		FO	1.0			02800
	OJYAB	050		HM	R	FO	2.0	268.6 (270T)	005.0	02800

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	EAU	N445351.60	W0912842.80	N4453.860	W09128.713
	ANILE	N445322.75	W0920042.92	N4453.379	W09200.715
	BITLR	N445302.57	W0921926.55	N4453.043	W09219.443
	ELPAS	N444606.70	W0921933.27	N4446.112	W09219.555
	HATEL	N445317.67	W0920917.75	N4453.295	W09209.296
	OJYAB	N445334.13	W0913444.62	N4453.569	W09134.744
	WIBAM	N445325.42	W0915542.55	N4453.424	W09155.709
	RW09	N445326.96	W0915236.89	N4453.449	W09152.615

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00892	43

CITY AND STATE
MENOMONIE, WI

ELEVATION: 895 TDZE: 894
AIRPORT NAME:
MENOMONIE MUNICIPAL-SCORE FIELD

**FACILITY
 IDENTIFIER:**
RNAV

PROCEDURE NO./ AMDT NO.:
RNAV (GPS) RWY 9, ORIG
AUG 30 2007

SUP:
AMDT: NONE
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH											
FROM			TO			COURSE AND DISTANCE				ALTITUDE			MAP: PVG NDB								
CVI VORTAC			PVG NDB			049.03 / 31.93				2300			CLIMB TO 2300 VIA 047 BEARING FROM PVG NDB TO AYUYO INT, THEN RIGHT TURN VIA PVG NDB 256 COURSE TO PVG NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 032.08 INBOUND. CHART FAS OBST: 178 TOWER 364612N/0762815W CHART 2300 PRIOR TO PVG NDB IN PROFILE. CHART ORF R-257 AT AYUYO FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.								
1. PT <u>R</u> SIDE OF COURSE <u>212.08</u> OUTBOUND <u>1600</u> FT WITHIN <u>10</u> MILES OF <u>PVG NDB</u> (IAF) 2. _____ 3. FAC <u>032.08</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: <u>PVG NDB 2300</u>										MAG VAR: 10W EPOCH YEAR: 2000											
MINIMUMS																					
TAKEOFF:		STANDARD		☒ X		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA		☒ X							
CATEGORY =====>		A			B			C			D			E							
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA					
S-2		580	1	559	580	1	559		NA			NA									
CIRCLING		580	1	557	580	1	557		NA			NA									
NOTES: CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORFOLK INTL ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.																					
CITY AND STATE NORFOLK, VA				ELEVATION: 23 TDZE: 21 AIRPORT NAME: HAMPTON ROADS EXECUTIVE				FACILITY IDENTIFIER: PVG		PROCEDURE NO./AMDT NO.: NDB RWY 2, AMDT 7 AUG 30 2007						SUP NDB OR GPS RWY 2 AMDT 6B DATE 04/22/1999					



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

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

TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW10							
FKN VORTAC (IAF)		SEZJY (FB)		084.64 / 16.55				2100		CLIMBING RIGHT TURN TO 2100 DIRECT DRONE AND HOLD.							
DRONE (IAF)		SEZJY (FB)		008.14 / 15.45				2100									
SEZJY (IF)		PEFOC (FB)		102.27 / 6.10				1600									
										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 053.39 INBOUND. CHART FAS OBST: 179 TOWER 364602N/0763155W PEFOC TO RW10: 3.04/40.							
1. PT <u>NA</u> SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. PROFILE STARTS AT SEZJY																	
3. FAC: <u>102.34</u> FAF: <u>PEFOC</u> DIST FAF TO MAP: <u>4.77</u> THLD: <u>4.77</u>																	
4. MIN. ALT: <u>SEZJY 2100, PEFOC 1600</u>																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: _____ TCH: <u>34:1</u> IS NOT CLEAR																	
8. MSA FROM: <u>RW10 2300</u>																	
MAG VAR: 10W EPOCH YEAR: 2000																	
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		440	1	420	440	1	420		NA			NA					
CIRCLING		500	1	477	500	1	477		NA			NA					
NOTES: CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORFOLK INTL ALTIMETER SETTING AND INCREASE ALL MDAS 40 FT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.																	
CITY AND STATE NORFOLK, VA				ELEVATION: 23 TDZE: 20 AIRPORT NAME: HAMPTON ROADS EXECUTIVE				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 10, ORIG AUG 30 2007				SUP: AMDT: NONE DATED	

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

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

CITY AND STATE
NORFOLK, VA

ELEVATION: 23 TDZE: 20
AIRPORT NAME:
HAMPTON ROADS EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 10, ORIG
AUG 30 2007

SUP:
AMDT: NONE
DATED:



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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KPVGK6FP10	ADP	010	DRONEK7EA0E	A	IF				18000		G	S
SUSAP	KPVGK6FP10	ADP	020	SEZJYK6EA0EE		010TF	00810155	+	02100			G	S
SUSAP	KPVGK6FP10	AFKN	010	PKN K6D 0V	A	IF				18000		G	S
SUSAP	KPVGK6FP10	AFKN	020	SEZJYK6EA0EE		010TF	08460166	+	02100			G	S
SUSAP	KPVGK6FP10	P	010	SEZJYK6EA0E	I	IF				18000		G	S
SUSAP	KPVGK6FP10	P	020	PEFOCK6EA0E	F	051TF	10230061	+	01600		RW10	K6PGG	S
SUSAP	KPVGK6FP10	P	030	RW10 K6PG0GY	M	031TF	10230048		00060	-304		G	S
SUSAP	KPVGK6FP10	P	040		0	M 010CA	1023	+	00423			G	S
SUSAP	KPVGK6FP10	P	050	DRONEK7EA0EY		R010DF			02100			G	S
SUSAP	KPVGK6FP10	P	060	DRONEK7EA0EE		HR020HM	05340050	+	02100			G	S

[illegible][illegible]

SUP: _____
AMDT: **NONE**
DATED: _____

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

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SUSAP KPVGK6SRW10 K6PG

0 25180023

M

CITY AND STATE
NORFOLK, VA

ELEVATION: 23 TDZE: 20
AIRPORT NAME:
HAMPTON ROADS EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 10, ORIG
AUG 30 2007

SUP:
AMDT: NONE
DATED: 04 8 12 2007

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 424-15

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	DRONE	DRONE	010	IAF	IF		FB				
	DRONE	SEZJY	020		TF		FB	1.0	008.1 (358T)	015.5	02100
	FKN	FKN	010	IAF	IF		FB				
	FKN	SEZJY	020		TF		FB	1.0	084.6 (075T)	016.6	02100
		SEZJY	010	FACF	IF		FB				02100
		PEFOC	020	FAF	TF		FB	0.5	102.3 (092T)	006.1	01600
		RW10	030	MAP	TF		FO	0.3	102.3 (092T)	004.8	00060

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	102.3 (092T)		00423
	DRONE	050		DF	R	FO	1.0			02100
	DRONE	060		HM	R	FO	2.0	053.4 (043T)	005.0	02100

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FKN	N364251.24	W0770044.27	N3642.854	W07700.738
	DRONE	N363145.23	W0764015.05	N3631.754	W07640.251
	PEFOC	N364658.19	W0763317.22	N3646.970	W07633.287
	SEZJY	N364712.92	W0764052.53	N3647.215	W07640.876
	RW10	N364646.34	W0762721.31	N3646.772	W07627.355

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW10	00020	40

CITY AND STATE
NORFOLK, VA

ELEVATION: 23 TDZE: 20
 AIRPORT NAME:
 HAMPTON ROADS EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
 RNAV (GPS) RWY 10, ORIG
 AUG 30 2007

SUP:
 AMDT: NONE
 DATED: 

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CVI VORTAC	VIYET (FB)	069.22 / 34.17	2000	LNAV: WEFPY
VIYET (IAF)	UGAVY (FB)	022.52 / 5.00	2000	CLIMBING LEFT TURN TO 2000 DIRECT VIYET AND HOLD.
UGAVY (IF)	SOZUB (FB)	292.53 / 6.10	1300	
				ADDITIONAL FLIGHT DATA: HOLD W, RT, 069.22 INBOUND. CHART FAS OBST: 516 TOWER 364520N/0762306W SOZUB TO RW28: 3.05/40. FAC CROSSES RWY C/L EXTENDED 2977 FROM THLD.

1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)
2. **PROFILE STARTS AT UGAVY**
3. FAC: 292.46 FAF: SOZUB DIST FAF TO MAP: 3.36 THLD: 3.84
4. MIN. ALT: UGAVY 2000, SOZUB 1300
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: WEFPY 2300

MAG VAR: 10W

EPOCH YEAR: 2000

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	820	1	800	820	1 1/4	800		NA			NA				
CIRCLING	820	1	797	820	1 1/4	797		NA			NA				

NOTES:
 CHART NOTE: IF LOCAL ALTIMETER SETTING NOT RECEIVED, USE NORFOLK INTL ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

CITY AND STATE NORFOLK, VA	ELEVATION: 23 TDZE: 20 AIRPORT NAME: HAMPTON ROADS EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 28, ORIG AUG 30 2007	SUP: AMDT: NONE DATED
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**RNAV (GPS) - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33**

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NOTES CONT.**CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CVI VORTAC ON AIRWAY RADIALS 055 CW 086.**

CITY AND STATE

NORFOLK, VA

ELEVATION: 23

TDZE: 20

AIRPORT NAME:

HAMPTON ROADS EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 28, ORIG

AUG 30 2007

SUP:

AMDT: NONE

DATED:

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

[illegible]

SUP: _____
AMDT: **NONE**
DATED: _____

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

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

SUSAP KPVGK6SWEFPYK6EA

0 25180023

M

CITY AND STATE

NORFOLK, VA

ELEVATION: 23

TDZE: 20

AIRPORT NAME:

HAMPTON ROADS EXECUTIVE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 28, ORIG

AUG 30 2007

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 424-15

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
	CVI	CVI	010		IF		FB				
	CVI	VIYET	020	IAF	TF		FB	2.0	069.2 (059T)	034.2	02000
	CVI	UGAVY	030		TF		FB	1.0	022.5 (013T)	005.0	02000
		UGAVY	010	FACF	IF		FB				02000
		SOZUB	020	FAF	TF		FB	0.5	292.5 (283T)	006.1	01300
		WEFPY	030	MAP	TF		FO	0.3	292.5 (283T)	003.4	00215

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE
		040		CA		FB	1.0	292.5 (283T)		00423
	VIYET	050		DF	L	FO	1.0			02000
	VIYET	060		HM	R	FO	2.0	069.2 (059T)	005.0	02000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CVI	N362222.49	W0765217.56	N3622.375	W07652.293
	SOZUB	N364600.01	W0762152.34	N3646.000	W07621.872
	UGAVY	N364440.71	W0761427.68	N3644.679	W07614.461
	VIYET	N363947.46	W0761548.58	N3639.791	W07615.810
	WEFPY	N364643.50	W0762557.38	N3646.725	W07625.956
	RW28	N364644.74	W0762633.94	N3646.746	W07626.566

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00016	40

CITY AND STATE
NORFOLK, VA

ELEVATION: 23 TDZE: 20
AIRPORT NAME:
HAMPTON ROADS EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 28, ORIG

AUG 30 2007

SUP:
AMDT: NONE
DATED:

FLIGHT STANDARDS SERVICE - FAR PART 97.33

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

TERMINAL ROUTES						MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE	ALTITUDE										
						ADDITIONAL FLIGHT DATA:									
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)						MAG VAR: _____ EPOCH YEAR: _____									
2. _____															
3. FAC ____ FAF ____ DIST FAF TO MAP ____ THLD ____															
8. MSA FROM: _____															
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 AUG 30 2007															
CITY AND STATE NORFOLK, VA		ELEVATION: 23 TDZE: AIRPORT NAME: HAMPTON ROADS EXECUTIVE		FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMD T NO.: GPS RWY 10, ORIG-A 03/16/1999						SUP AMDT ORIG DATE 03/27/1997			



GPS STANDARD INSTRUMENT APPROACH PROCEDURE

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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: _____

EPOCH YEAR:

[illegible]

NOTES:

PROCEDURE CANCELED EFFECTIVE AUG 30 2007

CITY AND STATE NORFOLK, VA	ELEVATION: 23	TDZE:	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO.: GPS RWY 28, ORIG-A 03/16/1999	SUP	
	AIRPORT NAME:				AMDT	ORIG
	HAMPTON ROADS EXECUTIVE				DATE	03/27/1997



TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 2, 20, 28, STANDARD.

RWY 10, STANDARD WITH MINIMUM CLIMB OF 217 FT PER NM TO 700, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2100 FT PRIOR TO DEPARTURE END OF RUNWAY OR 1700-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 2 - CLIMB HEADING 018.69 TO 1600 BEFORE TURNING WEST.

RWY 10 - CLIMB HEADING 102.40 TO 900 BEFORE PROCEEDING ON COURSE, OR FOR CLIMB IN VISUAL CONDITIONS, CROSS HAMPTON ROADS EXECUTIVE AIRPORT AT OR ABOVE 1600 BEFORE PROCEEDING ON COURSE.

RWY 20 - CLIMB HEADING 198.69 TO 1000 BEFORE TURNING NORTH.

RWY 28 - CLIMB HEADING 282.41 TO 1500 BEFORE TURNING NORTH.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 2, MULTIPLE TREES BEGINNING 693' FROM DER, 286' LEFT OF CENTERLINE, UP TO 100' AGL/124' MSL. MULTIPLE TREES BEGINNING 917' FROM DER, 422' RIGHT OF CENTERLINE, UP TO 100' AGL/124' MSL. NOTE: RWY 10, TREES 688' FROM DER, 374' LEFT OF CENTERLINE, 61' AGL/85' MSL. VEHICLE ON ROAD AND MULTIPLE TREES BEGINNING 750' FROM DER, 359' RIGHT OF CENTERLINE, UP TO 100' AGL/124' MSL. TOWER 1.1 NM FROM DER, 1,424' LEFT OF CENTERLINE, 175' AGL/192' MSL. NOTE: RWY 20, VEHICLE ON ROAD AND MULTIPLE TREES BEGINNING 199' FROM DER, 250' LEFT OF CENTERLINE, UP TO 100' AGL/124' MSL. VEHICLE ON ROAD AND MULTIPLE TREES BEGINNING 595' FROM DER, 8' RIGHT OF CENTERLINE, UP TO 100' AGL/124' MSL. (CONTINUED ON PAGE 2)

(4) CONTROLLING OBSTACLES:

RWY 2: 1249 MSL TOWERS 364901.00N/0762805.00W.

RWY 10: 1249 MSL TOWERS 364901.00N/0762805.00W. 461 MSL TOWER 364632.80N/0762309.60W.

RWY 10 (VCOA): 1282 MSL TOWER 364831.78N/0763011.30W.

RWY 20: 1249 MSL TOWERS 364901.00N/0762805.00W.

RWY 28: 1282 MSL TOWER 364831.78N/0763011.30W.

(5) City, State

NORFOLK, VA

(6) Airport

HAMPTON ROADS EXECUTIVE

(7) Effective Date

AUG 30 2007

(8) Amdt. No.

1



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE		
CGT VORTAC	KEMRE (FB)	354.78 / 11.51	7000##	LPV: DA LNAV/VNAV: DA LNAV: RW32L	
BEARZ	KEMRE (FB)	302.41 / 17.15	7000##	CLIMB TO 4000 DIRECT FEPUP AND LEFT TURN VIA 246.75 TRACK TO DPA VOR/DME AND HOLD.	
KEMRE (IAF)	PCASO (FB)	323.19 / 5.80	5000##		
PCASO (IF)	CIPIT (FB)	323.13 / 3.85	4000##		
CIPIT	JOCKY (FB)	323.13 / 5.36	2500		
				ADDITIONAL FLIGHT DATA: HOLD W, RT, 070.00 INBOUND. CHART FAS OBST: 815 ROD 415628N/0875343W CHART FAS OBST: 894 TOWER 415430N/0875209W DISTANCE TO THLD FROM 280 HAT: 0.74 NM. CHART VDP AT 1.51 MILES TO RW32L* *LNAV ONLY. WAAS CHANNEL # 77904 REFERENCE PATH ID: W32B CHART CHICAGO MIDWAY AIRPORT.	
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT KEMRE 3. FAC: <u>323.04</u> FAF: <u>JOCKY</u> DIST FAF TO MAP: <u>5.57</u> THLD: <u>5.57</u> 4. MIN. ALT: <u>KEMRE 7000##, PCASO 5000##, CIPIT 4000##, JOCKY 2500</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2500</u> GS ALT AT: <u>JOCKY</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>49.1</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW32L 3400</u>					
				MAG VAR: 3W EPOCH YEAR: 2010	

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM	8260-15A	FOR THIS AIRPORT	ALTERNATE: N A		STANDARD							
CATEGORY	====>	A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA		934	5000	280	934	5000	280	934	5000	280	934	5000	280			
LNAV/VNAV DA		1103	1 1/2	449	1103	1 1/2	449	1103	1 1/2	449	1103	1 1/2	449			
LNAV MDA		1180	5000	526	1180	5000	526	1180	1 1/2	526	1180	1 3/4	526			
CIRCLING		1220	1	552	1220	1	552	1220	1 1/2	552	1220	2	552			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F).
CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CGT VORTAC VIA V7 SOUTHBOUND.
##2500 WHEN AUTHORIZED BY ATC

CITY AND STATE CHICAGO, IL	ELEVATION: 668 TDZE: 654 AIRPORT NAME: CHICAGO-O'HARE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO.: RNAV (GPS) RWY 32L, AMDT 2A SEP 27 2007	SUP: AMDT: 2 DATED 07/05/2007
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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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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KORD
RUNWAY	RW32L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W32B
REFERENCE PATH IDENTIFIER (APPROACH ID)	415747.2200N
LTP/FTP LATITUDE	0875408.6300W
LTP/FTP LONGITUDE	+01644
LTP/FTP ELLIPSOIDAL HEIGHT	415925.5700N
FPAP LATITUDE	0875559.3000W
FPAP LONGITUDE	00049.1
THRESHOLD CROSSING HEIGHT (TCH)	F
TCH UNITS SELECTOR (METERS OR FEET USED)	03.00
GLIDEPATH ANGLE (GPA)	106.75
COURSE WIDTH AT THRESHOLD	0000
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER

72FF2A2F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01979
FPAP ORTHOMETRIC HEIGHT	+01979

CITY AND STATE

CHICAGO, IL

ELEVATION: 668 TDZE: 654
AIRPORT NAME:
CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:

RNAV (GPS) RWY 32L, AMDT 2A

SEP 27 2007

SUP:

AMDT: 2

DATED: 07-05-2007

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[illegible][illegible]

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
SUSAP KORDK5AORD	0	130YHN41584297W087541743W003000668					18000018000C	MNAR	CHICAGO-O'HARE INTL				

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KORDK5FR32L	ABEARZ	010BEARZK5EA0E	IF							18000		A JS	
SUSAP KORDK5FR32L	ABEARZ	020KEMREK5EA0E	A 020TF			30240172	+ 07000					A JS	
SUSAP KORDK5FR32L	ABEARZ	030PCASOK5EA0EE	010TF			32320058	+ 05000					A JS	
SUSAP KORDK5FR32L	ACGT	010CGT K5D 0V	IF				A			18000		A JS	
SUSAP KORDK5FR32L	ACGT	020KEMREK5EA0E	A 020TF			35480115	+A07000					A JS	
SUSAP KORDK5FR32L	ACGT	030PCASOK5EA0EE	010TF			32320058	+ 05000					A JS	
SUSAP KORDK5FR32L	R	010PCASOK5EA0E	I IF				+ 05000			18000		A JS	
SUSAP KORDK5FR32L	R	011CIPITK5EA0E	S 051TF			32310039	+ 04000					A JS	
SUSAP KORDK5FR32L	R	020JOCKYK5EA0E	F 051TF			32310054	+ 02500				RW32L K5PGA	JS	
SUSAP KORDK5FR32L	R	030RW32LK5PGOGY	M 031TF			32300056	00698			-300		A JS	
SUSAP KORDK5FR32L	R	040FEPUPK5EA0E	M 010DF									A JS	
SUSAP KORDK5FR32L	R	050DPA K5D 0VY	L010TFY			2468	+ 04000					A JS	
SUSAP KORDK5FR32L	R	060DPA K5D 0VE	HR020HM			07000050	+ 04000					A JS	

1	2	3	4	5	6	7	8	9	0	1	2	3
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SUP:	
AMDT:	2
DATED:	07-05-2007

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

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RUNWAY 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012

SUSAP KORDK5GRW32L 0130003230 N41574722W087540863+0100 00649000049200

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

SUSAP KORDK5PR32L RW32L001 0000W32B0N4157472200W08754086300+016440300N4159255700W08755593000106750000000491F40050072FF2A2F
SUSAP KORDK5PR32L RW32L002 +01979+01979W32B 77904 000

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

SUSAP KORDK5SRW32LK5PG 0 25180034 M

CITY AND STATE
CHICAGO, IL

ELEVATION: 668 TDZE: 654
AIRPORT NAME:
CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO. / AMDT NO.:
RNAV (GPS) RWY 32L, AMDT 2A

SEP 27 2007

SUP:
AMDT: 2
DATED: 07-05-2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
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ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-17

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BEARZ	BEARZ	010		IF		FB				
	BEARZ	KEMRE	020	IAF	TF		FB	2.0	302.4 (299T)	017.2	07000
	BEARZ	PCASO	030		TF		FB	1.0	323.2 (320T)	005.8	05000
	CGT	CGT	010		IF		FB				
	CGT	KEMRE	020	IAF	TF		FB	2.0	354.8 (352T)	011.5	07000
	CGT	PCASO	030		TF		FB	1.0	323.2 (320T)	005.8	05000
		PCASO	010	FACF	IF		FB				05000
		CIPIT	011	SDF	TF		FB	0.5	323.1 (320T)	003.9	04000
		JOCKY	020	FAF	TF		FB	0.5	323.1 (320T)	005.4	02500
		RW32L	030	MAP	TF		FO	0.3	323.0 (320T)	005.6	00698

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FEPUP	040		DF		FB	1.0			
	DPA	050		TF	L	FO	1.0	246.8 (244T)		04000
	DPA	060		HM	R	FO	2.0	070.0 (067T)	005.0	04000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CGT	N413036.02	W0873417.56	N4130.600	W08734.293
	DPA	N415325.30	W0882100.60	N4153.422	W08821.010
	BEARZ	N413336.28	W0871632.86	N4133.605	W08716.548
	CIPIT	N414924.45	W0874444.87	N4149.408	W08744.748
	FEPUP	N420143.45	W0875834.68	N4201.724	W08758.578
	JOCKY	N415331.21	W0874921.14	N4153.520	W08749.352
	KEMRE	N414200.11	W0873629.36	N4142.002	W08736.489
	PCASO	N414627.30	W0874127.01	N4146.455	W08741.450
	RW32L	N415747.22	W0875408.63	N4157.787	W08754.144

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION
	RW32L	00649

CITY AND STATE
CHICAGO, IL

ELEVATION: 668 TDZE: 654
 AIRPORT NAME:
 CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO.:
RNAV (GPS) RWY 32L, AMDT 2A

SEP 27 2007

SUP:
AMDT: 2
DATED: 07-05-2007

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30563; Amdt. No. 3230]

Standard Instrument Approach Procedures;

Miscellaneous Amendments

AGENCY: Federal Aviation Administration (FAA), DOT

ACTION: Final rule

SUMMARY: This amendment amends Standard Instrument Approach Procedures (SIAPs) for operations at certain airports. These regulatory actions are needed because of changes occurring in the National Airspace System, such as the commissioning of new navigational facilities, addition of new obstacles, or changes in 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 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 Ave, SW., Washington, DC 20591;
2. The FAA Regional Office of the region in which affected airport is located; or
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.

For Purchase- Individual SIAP 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.

By Subscription- Copies of all SIAPs, mailed once every 2 weeks, are for sale by the Superintendent of Documents, US Government Printing Office, Washington, DC 20402.

FOR FURTHER INFORMATION CONTACT: Donald P. Pate, 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 amendment to Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) amends Standard Instrument Approach Procedures (SIAPs). The complete regulatory description of each SIAP is contained in the appropriate FAA Form 8260, as modified by the the National Flight Data Center (FDC)/Permanent Notice to Airmen (P-NOTAM), which is incorporated by reference in the amendment under 5 U.S.C. 552(a), 1 CFR part 51, and § 97.20 of the Code of Federal Regulations. Materials incorporated by reference are available for examination or purchase as stated above.

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. The provisions of this amendment state the affected CFR sections, with the types and effective dates of the SIAPs. This amendment also identifies the airport, its location, the procedure identification 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 chart changes to SIAPs, the TERPS criteria were applied to only these 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.

Further, the SIAPs contained in this amendment are based on the criteria contained in TERPS. 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 July 27, 2007.

A handwritten signature in cursive script, reading "James J. Ballough".

James J. Ballough
Director, Flight Standards Service

[illegible]

FDC 7/9231 CHD FI/P CHANDLER MUNI, CHANDLER, AZ TAKE OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG NOTE: RWY 4L, MULTIPLE TOWERS AND BUILDINGS BEGINNING 69 FEET FROM DEPARTURE END OF RWY, 397 FEET LEFT OF CENTERLINE, UP TO 80 FEET AGL/1319 FEET MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG-A.

FDC 7/9592 LGB FI/P LONG BEACH/DAUGHERTY FIELD, LONG BEACH, CA TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES...TAKEOFF MINIMUMS: RWY 16L 400-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 321 FEET PER NM TO 500. RWY 16R 400-1 OR STANDARD WITH MINIMUM CLIMB OF 518 FEET PER NM TO 500. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 4A.

FDC 7/9605 CPU FI/P CALAVERAS CO-MAURY RASMUSSEN FIELD, SAN ANDREAS, CA. TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES...DEPARTURE PROCEDURE: RWY 31 CLIMB VIA HEADING 311 TO 3000, THEN CLIMBING LEFT TURN VIA LINDEN (LIN) VORTAC R-029 TO LIN VORTAC. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG A.

FDC 7/9761 MIT FI/P SHAFTER-MINTER FIELD, SHAFTER, CA. TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES...CHANGE ALL REFERENCE TO RWY 16/34 TO RWY 17/35. DELETE "WIE UNTIL UFN". ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A.

FDC 7/9626 3JC FI/P FREEMAN FIELD, JUNCTION CITY, KS. NDB OR GPS B, AMDT 4...CIRCLING MDA 2140 / HAA 1039, CATS A/B/C. THIS IS NDB OR GPS B, AMDT 4A.