

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 10-16

June 25, 2010

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

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

**The following are corrected copies of procedures that were previously published in
TL 10-12, 10-13, 10-14 and 10-15:**

Atka, AK, Atka, ATKA RNAV ONE Graphic Obstacle DP, CANCELLED
Atka, AK, Atka, EIVRS ONE Graphic Obstacle DP, CANCELLED
Muscle Shoals, AL, Northwest Alabama Rgnl, RNAV (GPS) RWY 29, Amdt 1
Benton, AR, Saline County Rgnl, ILS OR LOC/DME RWY 2, ORrig
Mesa, AZ, Falcon Fld, NDB-A, Amdt 1
Milledgeville, GA, Baldwin County, NDB RWY 28, Amdt 3
Millen, GA, Millen, RNAV (GPS) RWY 35, Orig
Lewiston, ID, Lewiston-Nez Perce County, RNAV (RNP) RWY 30, Orig
Lewiston, ID, Lewiston-Nez Perce County, RNAV (RNP) Z RWY 8, Orig
Lewiston, ID, Lewiston-Nez Perce County, RNAV (RNP) Z RWY 12, Orig
Lewiston, ID, Lewiston-Nez Perce County, RNAV (RNP) Z RWY 26, Orig
Williston, ND, Sloulin Fld Intl, VOR RWY 11, Amdt 13
Carson City, NV, Carson, RNAV (GPS)-A, Amdt 1
North Bend, OR, Southwest Oregon Rgnl, ILS OR LOC RWY 4, Amdt 7
Morristown, TN, Moore-Murrell, Takeoff Minimums and Obstacle DP, Amdt 6
Corpus Christi, TX, Corpus Christi Intl, RNAV (GPS) RWY 35, Amdt 1
Kingsville, TX, Kleberg County, RNAV (GPS) RWY 13, Orig

GRAPHIC DEPARTURE PROCEDURE (DP)



OBSTACLE



SID



RNAV

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

(1) DP Route Description:

29 JUL 2010

PROCEDURE CANCELED

(2) Transition Routes (Graphic Depiction Only)

(a) Transition Name	(b) Transition Computer Codes	(c) From FIX/NAVAID	(d) To FIX/NAVAID	(e) Course / Distance	(f) MEA / MOCA	(g) Crossing Altitudes/Fixes
This is a corrected copy of a procedure published in TL 10-15.						

(3) Procedural Data Notes / Takeoff Minimums:

(4) Takeoff Obstacle Notes:

(5) Controlling Obstacles:

(6) Fixes and/or NAVAID'S :

(7) DP Name ATKA RNAV DEPARTURE	(8) Number ONE	(9) DP Computer Code ATKA1.ATKA	(10) Superseded Number NONE	(11) Dated	(12) Effective Date FEB 24 2000

(13) Airports Served					
➔	Airport Name ATKA	City/State ATKA, AK			
	Airport Name	City/State			
	Airport Name	City/State			
	Airport Name	City/State			
	Airport Name	City/State			
	Airport Name	City/State			
	Airport Name	City/State			
(14) Lost Communications Procedures:					
(15) Communications:					
(16) Additional Flight Data:					
(17) Continuation:					
(7) DP Name ATKA RNAV DEPARTURE	(8) Number ONE	(9) DP Computer Code ATKA1.ATKA	(10) Superseded Number NONE	(11) Dated	(12) Effective Date FEB 24 2000

QUALITY
CHECKED

GRAPHIC DEPARTURE PROCEDURE (DP)



OBSTACLE



SID



RNAV

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

(1) DP Route Description:

29 JUL 2010

PROCEDURE CANCELED

(2) Transition Routes (Graphic Depiction Only)

(a) Transition Name	(b) Transition Computer Codes	(c) From FIX/NAVAID	(d) To FIX/NAVAID	(e) Course / Distance	(f) MEA / MOCA	(g) Crossing Altitudes/Fixes
This is a corrected copy of a procedure published in TL 10-15						

(3) Procedural Data Notes / Takeoff Minimums:

(4) Takeoff Obstacle Notes:

(5) Controlling Obstacles:

(6) Fixes and/or NAVAID'S :

QUALITY
&
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(7) DP Name EIVRS DEPARTURE	(8) Number ONE	(9) DP Computer Code EIVRS1.EIVRS	(10) Superseded Number NONE	(11) Dated	(12) Effective Date FEB 24 2000

(13) Airports Served					
Airport Name ATKA		City/State ATKA, AK			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
Airport Name		City/State			
(14) Lost Communications Procedures:					
(15) Communications:					
(16) Additional Flight Data:					
(17) Continuation:					
(7) DP Name EIVRS DEPARTURE	(8) Number ONE	(9) DP Computer Code EIVRS1.EIVRS	(10) Superseded Number NONE	(11) Dated	(12) Effective Date FEB 24 2000

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JINWO (IAF)	HUPOK (NOPT) (FB)	024.22 / 5.00	2700
TJLU (IAF)	HUPOK (NOPT) (FB)	204.26 / 5.00	2700
HUPOK (IF/IAF)	TICVU (FB)	294.24 / 8.27	2000

This is a corrected copy of the procedure published in TL 10-14.
Fix changed FROM CRIMP TO JINWO.

LPV: DA
LNAV/VNAV: DA
LNAV: RW29

CLIMB TO 3000 DIRECT JOBTA AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 113.98 INBOUND.
CHART FAS OBST: 688 TRMSN TWR 344442N/0873442W
CHART FAS OBST: 689 TREE 344443N/0873517W
DISTANCE TO THLD FROM 200 HAT: 0.44 NM.
CHART VDP AT 1.16 MILES TO RW29* *LNAV ONLY.
WAAS CHANNEL # 40000
REFERENCE PATH ID: W29A
CHART COLUMBUS 2/4 MOA.

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE HUPOK, RT, 294.24 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
- FAC: 294.16 FAF: TICVU DIST FAF TO MAP: 4.31 THLD: 4.31
- MIN. ALT: HUPOK 2700, TICVU 2000, DIXL/2.50 NM TO RW29 1400*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: TICVU 2000 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 59.1 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 0E

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM	8260-15A	FOR THIS AIRPORT	ALTERNATE: N/A			STANDARD @						
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LPV DA	751	1/2	200	751	1/2	200	751	1/2	200	751	1/2	200				
LNAV/VNAV DA	975	1	424	975	1	424	975	1	424	975	1	424				
LNAV MDA	980	1/2	429	980	1/2	429	980	3/4	429	980	1	429				

CIRCLING	1040	1	489	1040	1	489	1040	1 1/2	489	1120	2	569			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

*LNAV ONLY

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

F).

SEE 8260-10

CITY AND STATE	ELEVATION: 551 TDZE: 551	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
MUSCLE SHOALS, AL	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 29, AMDT 1	AMDT: ORIG
	NORTHWEST ALABAMA RGNL		29 JUL 2010	DATED 04/15/2004

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

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE DECATUR ALTIMETER SETTING AND INCREASE ALL DA 83 FEET AND ALL MDA 100 FEET; INCREASE LNAV/VNAV ALL CATS AND LNAV CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 18 NA AT NIGHT.

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

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

CHART NOTE: VDP NA WITH DECATUR ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	204/30 CW 024/30 (NOPT)	204/20 CW 024/20	3200
2.	204/20 CW 024/20	HUPOK (IF/IAF) (FB)	2700
3.	024/30 CW 114/30	JINWO (IAF) (FB)	2700
4.	114/30 CW 204/30	114/15 CW 204/15	3200
5.	114/15 CW 204/15	TIJLU (IAF) (FB)	2700

QUALITY
CHECKED

CITY AND STATE

MUSCLE SHOALS, AL

ELEVATION: 551 TDZE: 551

AIRPORT NAME:

NORTHWEST ALABAMA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 29, AMDT 1

29 JUL 2010

SUP:

AMDT:

ORIG

DATED:

04/15/2004

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMSL
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	344429.3900N
LTP/FTP LONGITUDE	0873548.0210W
LTP/FTP ELLIPSOIDAL HEIGHT	+01407
FPAP LATITUDE	344456.4300N
FPAP LONGITUDE	0873701.2400W
THRESHOLD CROSSING HEIGHT (TCH)	00059.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	100.50
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER 11E3B47E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01677
FPAP ORTHOMETRIC HEIGHT	+01677

QUALITY
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CITY AND STATE MUSCLE SHOALS, AL	ELEVATION: 551 TDZE: 551 AIRPORT NAME: NORTHWEST ALABAMA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 1 29 JUL 2010	SUP: AMDT: ORIG DATED: 04/15/2004

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

[illegible]

QUALITY
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CITY AND STATE MUSCLE SHOALS, AL	ELEVATION: 551 TDZE: 551 AIRPORT NAME: NORTHWEST ALABAMA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 04/15/2004

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QUALITY
CHECKED

CITY AND STATE MUSCLE SHOALS, AL	ELEVATION: 551 TDZE: 551 AIRPORT NAME: NORTHWEST ALABAMA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 04/15/2004

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: I-SUZ 1.32 DME FIX CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2300 VIA LIT VORTAC R-250 TO BEGAN INT/LIT 21.98 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 070.44 INBOUND. CHART FAS OBST: 499 TREE 343338N/0922913W CHART: 599 TREE 343252N/0923013W CHART IN PLANVIEW: USE OF LIT R-225 AND PBF R-284 MAY BE NECESSARY TO LOCATE REMBE INTERSECTION.							
LIT VORTAC REMBE INT/I-SUZ 12.27 DME (IF/IAF)		REMBE INT/I-SUZ 12.27 DME AXALE/I-SUZ 6.17 DME		224.71 / 24.54 018.98 / 6.10 (I-SUZ)		2800 2000									
This is a corrected copy of a procedure published in TL 10-15															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)								MAG VAR: 1E EPOCH YEAR: 2010							
2. HOLD S REMBE, RT, 018.98 INBOUND, 2800 FT. IN LIEU OF PT (IAF)															
3. FAC: 018.98 FAF: AXALE/I-SUZ 6.17 DME DIST FAF TO MAP: _____ THLD: 4.85															
4. MIN. ALT: REMBE 2800, AXALE 2000, COXES/I-SUZ 3.42 DME 1100*															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1000															
6. MIN GS INCPT: 2000 GS ALT AT: AXALE/I-SUZ 6.17 DME 2000 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.00 TCH: 44.5															
8. MSA FROM: LIT VORTAC 3300															
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
S-ILS 2	693	1	303	693	1	303	693	1	303	693	1	303			
S-LOC 2	820	1	430	820	1	430	820	1 1/4	430	820	1 1/2	430			
CIRCLING	1040	1	650	1140	1 1/4	750	1140	2 1/4	750	1140	2 1/2	750			
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. *LOC ONLY CHART NOTE: USE LITTLE ROCK/ADAMS FIELD ALTIMETER SETTING; WHEN NOT RECEIVED, USE HOT SPRINGS SEE 8260-10															
CITY AND STATE BENTON, AR				ELEVATION: 390 TDZE: 390 AIRPORT NAME: SALINE COUNTY RGNL				FACILITY IDENTIFIER: I-SUZ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 2, ORIG 29 JUL 2010				SUP: AMDT: NONE DATED	

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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NOTES CONT.

ALTIMETER SETTING AND INCREASE ALL DA 41 FEET AND ALL MDA 60 FEET. INCREASE S-ILS 2 ALL CATS
VISIBILITY 1/4 MILE.

QUALITY
5
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CITY AND STATE

BENTON, AR

ELEVATION: 390 TDZE: 390

AIRPORT NAME:

SALINE COUNTY RGNL

FACILITY
IDENTIFIER:

I-SUZ

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 2, ORIG

29 JUL 2010

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										MISSSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: FFZ NDB							
AVENT INT (IAF)		AZCAF INT		079.00 / 1.82 (HDG) & 123.82 / 6.09 (FFZ BRG-304)				6000		CLIMBING RIGHT TURN TO 5000 VIA HEADING 210 AND PXR R-143 TO SACAT INT/PXR 11.63 DME AND HOLD. CONTINUE CLIMB-IN-HOLD TO 5000.							
AZCAF INT (IF)		LYNET INT		123.82 / 6.25 (FFZ BRG-304)				4200									
LYNET INT		TOXIE INT		123.82 / 3.46 (FFZ BRG-304)				3200									
THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL10-15.										ADDITIONAL FLIGHT DATA: HOLD SE, LT, 323.44 INBOUND. FAS OBST: 1519 AAO 333051N/1114516W 1619 AAO 333127N/1114545W FAC CROSSES MID POINT OF RWY 04L-22R. CHART (NERPE) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE.							
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT AZCAF 3. FAC <u>123.82</u> FAF <u>TOXIE INT</u> <u> </u> DIST FAF TO MAP <u> </u> THLD <u> </u> 4. MIN. ALT <u>AZCAF 6000, LYNET 4200, TOXIE 3200</u> 8. MSA FROM: <u>FFZ NDB 360-110 8900, 110-200 5600, 200-360 6100</u>														MAG VAR: 12E		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			
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
CIRCLING		1900	1	506	1900	1	506	1900	1 1/2	506		NA					
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PHOENIX SKY HARBOR INTL ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.																	
CITY AND STATE MESA, AZ				ELEVATION: 1394 TDZE: AIRPORT NAME: FALCON FLD				FACILITY IDENTIFIER: FFZ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-A, AMDT 1 29 JUL 2010				SUP NDB OR GPS-A			
														AMDT ORIG			
														DATE 12/31/2020			

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: 3.67 MILES AFTER NDB
BEYLO INT	UMB NDB	203.80 / 9.82	2400	CLIMB TO 1400 THEN CLIMBING LEFT TURN TO 2400 DIRECT UMB NDB AND HOLD.
HADOC INT	UMB NDB	289.69 / 6.93	2400	
RIPPI INT	UMB NDB	035.56 / 17.30	2400	
SINCA INT	UMB NDB	083.44 / 22.84	2400	
Changed line 4 data from 10 NM 1600 to UMB .. NOB 1600. CORRECTED COPY PREVIOUSLY PUBLISHED IN TL 10-14				ADDITIONAL FLIGHT DATA: HOLD E, RT, 275.97 INBOUND. CHART FAS OBST: 609 TREE 331008N/0831326W 769 AAO 330820N/0830953W UMB NDB TO RW28 3.07/44.

1. PT L SIDE OF COURSE 085.97 OUTBOUND 2400 FT WITHIN 10 MILES OF UMB NDB (IAF)
 2. _____
 3. FAC 275.97 FAF UMB NDB DIST FAF TO MAP 3.67 THLD 3.67
 4. MIN. ALT UMB NDB 1600
 8. MSA FROM: UMB NDB 2400

MAG VAR: 4W EPOCH YEAR: 2000

MINIMUMS																
TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE:	N	☐	A	☒				
CATEGORY	=====	A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
B-28		900	1	581	900	1	581		NA			NA				
CIRCLING		900	1	575	900	1	575		NA			NA				

NOTES:
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIDDLE GEORGIA REGIONAL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET.

QUALITY
1
CHECKED

CITY AND STATE MILLEDGEVILLE, GA	ELEVATION: 385 TDZE: 379 AIRPORT NAME: BALDWIN COUNTY	FACILITY IDENTIFIER: UMB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 28, AMDT 3 29 JUL 2010	SUP AMDT 2 DATE 12/20/2007

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	
KEZMO (IAF)	MOHON (NOPT) (FB)	082.55 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 3000 DIRECT TORRO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 172.55 INBOUND. CHART FAS OBST: 317 TREE 325222N/0815714W CHART FAS OBST: 333 TREE 325332N/0815811W CHART BULLDOG MOA. DISTANCE TO THLD FROM 329 HAT: 0.93 NM. WAAS CHANNEL # 53718 REFERENCE PATH ID: W35A
JOBRU (IAF)	MOHON (NOPT) (FB)	262.65 / 5.00	3000	
MOHON (IF/IAF)	OKJEJ (FB)	352.60 / 6.01	1900	
THIS IS A CORRECTED COPY PREVIOUSLY PUBLISHED IN TL 10-14. REPLACED FIX YASSA WITH OKJEJ				

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD **S MOHON, RT, 352.60 INBOUND, 3000 FT. IN LIEU OF PT (IAF)**
- FAC: 352.58 FAF: OKJEJ DIST FAF TO MAP: 5.08 THLD: 5.08
- MIN. ALT: **MOHON 3000, OKJEJ 1900, KEPIA/2.70 NM TO RW35 1120***
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 1900 GS ALT AT: OKJEJ 1900 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 37.1 **34:1 IS NOT CLEAR**
- MSA FROM:

MAG VAR: **5W** 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
LPV DA	556	1 1/4	329	556	1 1/4	329	556	1 1/4	329	556	1 1/4	329			
LNAV/VNAV DA	692	1 3/4	465	692	1 3/4	465	692	1 3/4	465	692	1 3/4	465			
LNAV MDA	680	1	453	680	1	453	680	1 1/4	453	680	1 1/2	453			
CIRCLING	760	1	523	760	1	523	760	1 1/2	523	800	2	563			

NOTES:
CHART NOTE: CIRCLING NA EAST OF RWY 17-35.
CHART NOTE: BARO-VNAV NA.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
SEE 8260-10

QUALITY
CHECKED

CITY AND STATE MILLEN, GA	ELEVATION: 237 TDZE: 227 AIRPORT NAME: MILLEN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

*LNAV ONLY

CHART NOTE: USE AUGUSTA REGIONAL AT BUSH FIELD ALTIMETER SETTING, WHEN NOT RECEIVED, USE PLANTATION AIRPARK ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	263/30 CW 083/30 (NOPT)	MOHON (IF/IAF) (FB)	3000
2.	083/30 CW 173/30	KEZMO (IAF) (FB)	3000
3.	173/30 CW 263/30	JOBRU (IAF) (FB)	3000

QUALITY
CHECKED

CITY AND STATE

MILLEN, GA

ELEVATION: 237

TDZE: 227

AIRPORT NAME:

MILLEN

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER 2J5
RUNWAY RW35
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W35A
LTP/FTP LATITUDE 325317.4710N
LTP/FTP LONGITUDE 0815750.2425W
LTP/FTP ELLIPSOIDAL HEIGHT +00379
FPAP LATITUDE 325444.6500N
FPAP LONGITUDE 0815813.0200W
THRESHOLD CROSSING HEIGHT (TCH) 00037.1
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1528
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

AAF46AEC

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY
A
CHECKED

CITY AND STATE MILLEN, GA	ELEVATION: 237 TDZE: 227 AIRPORT NAME: MILLEN	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 2J5 K7FR35	AJOB RU	010JOB RU K7EA0E	A	IF						18000		A JS	G
SUSAP 2J5 K7FR35	AJOB RU	020MOHONK7EA0EE	B	010TF		26270050		+ 03000				A JS	G
SUSAP 2J5 K7FR35	AKEZMO	010KEZMOK7EA0E	A	IF						18000		A JS	G
SUSAP 2J5 K7FR35	AKEZMO	020MOHONK7EA0EE	B	010TF		08260050		+ 03000				A JS	G
SUSAP 2J5 K7FR35	AMOHON	010MOHONK7EA0EE	AR	HF		35260040		+ 03000		18000		A JS	G
SUSAP 2J5 K7FR35	R	010MOHONK7EA0E	I	IF				+ 03000		18000		A JS	G
SUSAP 2J5 K7FR35	R	020OKJEJK7EA1E	F	051TF		35260060		+ 01900				A JS	G
SUSAP 2J5 K7FR35	R	020OKJEJK7EA2WALPV			ALNAV/VNAV	ALNAV						JS	G
SUSAP 2J5 K7FR35	R	021KEPIAK7EA0E	S	031TF		35260024		V 0112001127		-300		A JS	G
SUSAP 2J5 K7FR35	R	030RW35 K7PG0GY	M	031TF		35260027		00260		-300		A JS	G
SUSAP 2J5 K7FR35	R	040	0	M 010CA		3526		+ 00556				A JS	G
SUSAP 2J5 K7FR35	R	050TORROK7EA0EY		010DF				+ 03000				A JS	G
SUSAP 2J5 K7FR35	R	060TORROK7EA0EE		R020HM		17260040		+ 03000				A JS	G

[illegible]

SUP:	
AMDT:	NONE
DATED:	

PAGE 4 OF 5 PAGES

QUALITY
A
CHECKED

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QUALITY
A
CHECKED

SUP:	
AMDT:	NONE
DATED:	

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											
ALW VOR/DME (40V)	LEZLE (TF)(FB)(RNP 2.00)(40E) (43A)	070.51/47.53	8700	CLIMB TO 6000 VIA TRACK 296.63 TO HERAG AND VIA LEFT TURN TO VESZY AND VIA LEFT TURN TO ISEKE AND VIA TRACK 019.64 TO MQG VOR/DME AND HOLD.											
LEZLE (IAF)(40E)(43A)	FESEX (TF)(FB)(RNP 1.00)(40E)	072.78/21.85	6900												
FESEX (40E)	OHAXI (RF)(FB)(RNP 1.00)(40E)	(6.30 NM RADIUS CCW AXYUT)/7.46	6200	ADDITIONAL FLIGHT DATA: HOLD NE, RT, 230 INBOUND. DIST THLD FROM 318 HAT: 0.85 NM											
OXLEY (IAF)(40E)(43A)	OHAXI (TF)(FB)(RNP 1.00)(40E)	005.29/20.67	6500												
OHAXI (40E)	EZHUS (RF)(FB)(RNP 1.00)(40E)	(5.40 NM RADIUS CCW CMGAP)/4.91	5400	ROUTE TYPE: A,R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S											
FERDI (IAF)(40E)(43A)	EZHUS (TF)(FB)(RNP 1.00)(40E)	313.45/11.04	6100												
EZHUS (40E)	UDAGE (RF)(FB)(RNP 1.00)(40E) (41E)	(4.80 NM RADIUS CCW AWVIJ)/5.40	5300	#TCH 1488.6 MSL (DO NOT CHART)											
OFINO (IAF)(40E)(43A) (CONTINUED ON PAGE 2)	UDAGE (TF)(FB)(RNP 1.00)(40E) (41E)	225.09/21.70	5300												
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)				THIS IS A CORRECTED COPY OF A PROC PUBLISHED IN TL 10-12. MISSING ARINC PAGES MAG VAR: 15E EPOCH YEAR: 2010											
2. PROFILE STARTS AT UDAGE															
3. FAC: ** FAF: **SEE TERMINAL ROUTES FROM SEGHA DIST FAF TO MAP: THLD:															
4. MIN. ALT: UDAGE 5300, LIMBY 4900															
5. DIST TO THLD FROM OM: 7.42 MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 3900 GS ALT AT: SEGHA 3900, ZEBEL 3468, ILVEC 2646 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 47.0 # 34:1 IS CLEAR															
8. MSA FROM: RW12 7700															
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY >>>>>	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30	1760	1	318	1760	1	318	1760	1	318	1760	1				
NOTES: CHART NOTES: GPS AND RF REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16C @ NA WHEN LOCAL WEATHER NOT AVAILABLE (4F) OR ABOVE 46C (114F). MISSED APPROACH REQUIRES RNP LESS THAN RNP 1.00. CHART PLANVIEW NOTES: AT ODTIF, COSFU, EZHUS, OHAXI, AND FESEX: MAX 210 KIAS. AT ALW, OXLEY, FERDI, OFINO, PUW, JETTS (RNP 0.30).															
CITY AND STATE		ELEVATION: 1442 TDZE: 1442		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP:					
LEWISTON, ID		LEWISTON-NEZ PERCE COUNTY		RNAV		03 JUN 2010 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)

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PUW VOR/DME (IAF) (40V)(43A)	ODTIF (TF)(FB)(RNP 1.00) (40E)	095.28/27.40	5300
ODTIF (40E)	COSFU (RF)(FB)(RNP 1.00) (40E)	(6.00 NM RADIUS CW AYEXE)/6.29	5300
JETTS (IAF) (40E)(43A)	COSFU (TF)(FB)(RNP 1.00) (40E)	155.77/32.45	6600
COSFU (40E)	UDAGE (RF)(FB)(RNP 1.00) (40E)(41E)	(5.00 NM RADIUS CW CLYMN)/8.11	5300
UDAGE (IF) (40E)(43I)	LIMBY (TF)(FB)(RNP 0.50) (40E)(42S)	248.87/4.00	4900
LIMBY (40E)(42S)	SEGHA (TF)(FB)(RNP 0.30) (40E)(43F)	248.80/6.00	3900
SEGHA (FAF) (40E)(43F)	ZEBEL (TF)(FB) (40E)	248.70/1.30	
ZEBEL (40E)	ILVEC (RF)(FB) (40E)	(3.00 NM RADIUS CW CEXEB)/2.52	
ILVEC (40E)	RW30 (TF)(FO) (40G)(41Y)(43M)	296.68/3.60	
RW30 (MAP) (40G)(41Y)(43M)	HERAG (TF)(FB)(RNP 0.30) (40E)(42M)	296.63/0.82	
HERAG (40E)(42M)	VESZY (RF)(FB)(RNP 0.50) (40E)	(6.00 NM RADIUS CCW XIWVA)/4.18	
VESZY (40E)	ISEKE (RF)(FB)(RNP 1.00) (40E)	(6.00 NM RADIUS CCW XIWVA)/12.88	
ISEKE (40E)	MQG VOR/DME (RF)(FB) (RNP 1.00)(40E)(41Y)	019.64/9.59	6000

CITY AND STATE

LEWISTON, ID

ELEVATION:

1442 TDZE:

1442

AIRPORT NAME:

LEWISTON-NEZ PERCE COUNT

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

03 JUN 2010

RNAV (RNP) RWY 30, ORIG

SUP:

AMDT:

NONE

DATED:

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

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ARINC FLIGHT INSPECTION SUMMARY – VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	ALW	ALW	010		IF		FB				
	ALW	LEZLE	020	IAF	TF		FB	2.0	070.5 (086T)	047.5	08700
	ALW	FESEX	030		TF		FB	1.0	072.8 (088T)	021.9	06900
	ALW	OHAXI	040		RF	L	FB	1.0		007.5	06200
	ALW	EZHUS	050		RF	L	FB	1.0		004.9	05400
	ALW	UDAGE	060	IF	RF	L	FB	1.0		005.4	05300
	FERDI	FERDI	010	IAF	IF		FB				
	FERDI	EZHUS	020		TF		FB	1.0	313.5 (328T)	011.0	06100
	FERDI	UDAGE	030	IF	RF	L	FB	1.0		005.4	05300
	JETTS	JETTS	010	IAF	IF		FB				
	JETTS	COSFU	020		TF		FB	1.0	155.8 (171T)	032.5	06600
	JETTS	UDAGE	030	IF	RF	R	FB	1.0		008.1	05300
	OFINO	OFINO	010	IAF	IF		FB				
	OFINO	UDAGE	020	IF	TF		FB	1.0	225.1 (240T)	021.7	05300
	OXLEY	OXLEY	010	IAF	IF		FB				
	OXLEY	OHAXI	020		TF		FB	1.0	005.3 (020T)	020.7	06500
	OXLEY	EZHUS	030		RF	L	FB	1.0		004.9	05400
	OXLEY	UDAGE	040	IF	RF	L	FB	1.0		005.4	05300
	PUW	PUW	010	IAF	IF		FB				
	PUW	ODTIF	020		TF		FB	1.0	095.3 (110T)	027.4	05300
	PUW	COSFU	030		RF	R	FB	1.0		006.3	05300
	PUW	UDAGE	040	IF	RF	R	FB	1.0		008.1	05300
		UDAGE	010	FACF	IF		FB				
		LIMBY	011	SDF	TF		FB	0.5	248.9 (264T)	004.0	04900
		SEGHA	020	FAF	TF		FB	0.3	248.8 (264T)	006.0	03900
		ZEBEL	021	SDF	TF		FB	0.3	248.7 (264T)	001.3	
		ILVEC	022	SDF	RF	R	FB	0.3		002.5	
		RW30	030	MAP	TF		FB	0.3	296.7 (312T)	003.6	01489 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	HERAG	040		TF		FB	0.3	296.6 (312T)	000.8	
	VESZY	050		RF	L	FB	0.5		004.2	
	ISEKE	060		RF	L	FB	1.0		012.9	
	MQG	070		TF		FO	1.0	019.6 (035T)	009.6	06000
	MQG	070		HM	R	FO	2.0	230.0 (245T)	005.0	06000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALW	N460513.11	W1181733.13	N4605.219	W11817.552
	AWVIJ	N461540.92	W1163619.66	N4615.682	W11636.328
	AXYUT	N461539.99	W1163816.76	N4615.667	W11638.279
	AYEXE	N462515.30	W1163915.76	N4625.255	W11639.263
	CEXEB	N462212.50	W1165345.56	N4622.208	W11653.759
	CLYMN	N462525.36	W1163750.25	N4625.423	W11637.838
	CMGAP	N461521.70	W1163703.53	N4615.362	W11637.059

(CONTINUED ON PAGE 4)

CITY AND STATE	ELEVATION: 1442 TDZE: 1442	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LEWISTON, ID	AIRPORT NAME: LEWISTON-NEZ PERCE COUNTY	RNAV	RNAV (RNP) RWY 30, ORIG 03 JUN 2010	AMDT: NONE
				DATED:

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

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ARINC FLIGHT INSPECTION SUMMARY – VERSION 424-18

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	COSFU	N462612.70	W1163041.97	N4626.212	W11630.700
	EZHUS	N461811.74	W1163025.95	N4618.196	W11630.433
	FERDI	N460847.89	W1162206.12	N4608.798	W11622.102
	FESEX	N460922.30	W1163759.42	N4609.372	W11637.990
	HERAG	N462254.44	W1170124.73	N4622.907	W11701.412
	ILVEC	N461958.14	W1165638.41	N4619.969	W11656.640
	ISEKE	N461500.59	W1170002.66	N4615.010	W11700.044
	JETTS	N465813.78	W1163813.28	N4658.230	W11638.221
	LEZLE	N460835.95	W1170923.97	N4608.599	W11709.400
	LIMBY	N462001.43	W1164248.35	N4620.024	W11642.806
	MQG	N462253.61	W1165210.24	N4622.894	W11652.171
	ODTIF	N463051.84	W1163611.31	N4630.864	W11636.189
	OFINO	N463119.36	W1160954.90	N4631.323	W11609.915
	OHAXI	N461328.45	W1162946.20	N4613.474	W11629.770
	OXLEY	N455406.11	W1164005.45	N4554.102	W11640.091
	PUW	N464027.50	W1171324.60	N4640.458	W11713.410
	SEGHA	N461922.26	W1165124.76	N4619.371	W11651.413
	UDAGE	N462027.18	W1163703.96	N4620.453	W11637.066
	VESZY	N462424.97	W1170654.94	N4624.416	W11706.916
	XIWVA	N461825.24	W1170709.60	N4618.421	W11707.160
	RW30	N462221.65	W1170031.41	N4622.361	W11700.524

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	30	1442	47

QUALITY
CHECKED

CITY AND STATE LEWISTON, ID	ELEVATION: 1442 TDZE: 1442	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) RWY 30, ORIG 03 JUN 2010	SUP:
	AIRPORT NAME: LEWISTON-NEZ PERCE COUNTY			AMDT: NONE
				DATED:

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			
BIDDY (IAF) (43A) (40E)	EVOYU (TF)(FB) (RNP 1.00) (40E)(41E)	142.44/10.88	4300	CLIMB TO 6000 VIA TRACK 083.79 TO FEVNI AND VIA TRACK 056.60 TO OFINO AND HOLD.			
SEVER (IAF) (43A) (40E)	EVOYU (TF)(FB) (RNP 1.00) (40E)(41E)	54.47/8.90	5300				
EVOYU (IF) (40E)(43I)	OZWAL (TF)(FB)(RNP 0.50) (40E)	083.58/5.08	3700	ADDITIONAL FLIGHT DATA: HOLD SW, LT, 058.65 INBOUND CHART: 1428 ANTENNA 462227N/1170139W DISTANCE TO THLD FROM 312 HAT: 0.85NM ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S TCH 1482.1 MSL (DO NOT CHART)			
OZWAL (40E)	CENEV (TF)(FB) (RNP 0.30) (40E)(43F)	083.67/1.00	3400				
CENEV (FAF) (43F)(40E)	RW08 (TF)(FO) (40G)(41Y)(43M)	083.69/5.92					
RW08 (MAP) (40G)(41Y)(43M)	FEVNI (TF)(FB) (RNP 1.00) (40E)(42M)	083.79/5.92					
FEVNI (40E)(42M)	OFINO (TF)(FO) (40E)(41Y)	056.60/31.51	6000				

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. PROFILE STARTS AT EVOYU
 3. FAC: 083.69 FAF: DIST FAF TO MAP: THLD:
 4. MIN. ALT: EVOYU 4300, OZWAL 3700
 5. DIST TO THLD FROM OM: 5.92 MM: IM: 150 HAT: 100 HAT: GS ANT:
 6. MIN GS INCPT: 3400 GS ALT AT: CENEV 3400 OM: MM: IM:
 7. GS ANGLE: 3.00 TCH: 55.0# 34:1 IS CLEAR
 8. MSA FROM: RW08 7700

THIS IS A CORRECTED COPY OF A PROC PUBLISHED IN TL 10-12.
 MISSING ARINC PAGES
 MAG VAR: 15E 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

SPECIAL AIRCRAFT AND CREW AUTHORIZATION REQUIRED															
RNP 0.30 DA	1752	1	312	1752	1	312	1752	1	312	1752	1	312			

NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16C (3F) OR @ NA WHEN LOCAL WEATHER NOT AVAILABLE. ABOVE 46C (115F). VGSI AND RNAV GLIDEPATH NOT COINCIDENT. WHEN VGSI INOP, PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE AT BIDDY, SEVER: (RNP 0.30). CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SEVER VIA V187 WESTBOUND.

CITY AND STATE LEWISTON, ID	ELEVATION: 1442 TDZE: 1440	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 03 JUN 2010 RNAV (RNP) Z RWY 8, ORIG	SUP:
	AIRPORT NAME: LEWISTON-NEZ PERCE COUNTY			AMDT: NONE
	DATE			

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KLWSK1FR08-Z ABIDDDY 010BIDDDYK1EA0E A IF										18000		A PS	
SUSAP KLWSK1FR08-Z ABIDDDY 020EVOYUK1EA0EE B 010TF							14240109	+ 04300				A PS	
SUSAP KLWSK1FR08-Z ASEVER 010SEVERK1EA0E A IF										18000		A PS	
SUSAP KLWSK1FR08-Z ASEVER 020EVOYUK1EA0EE B 010TF							05450089	+ 05300				A PS	
SUSAP KLWSK1FR08-Z R 010EVOYUK1EA0E I IF								+ 04300		18000		A PS	
SUSAP KLWSK1FR08-Z R 0110ZWALK1EA0E S 051TF							08360051	+ 03700				A PS	
SUSAP KLWSK1FR08-Z R 020CENEVK1EA1E F 031TF							08370010	+ 03400			RW08 BK1PGA	PS	
SUSAP KLWSK1FR08-Z R 020CENEVK1EA2W									A031			PS	
SUSAP KLWSK1FR08-Z R 030RW08 K1PGOGY M 031TF							08370059	01482		-300		A PS	
SUSAP KLWSK1FR08-Z R 040FEVNIK1EA0E M 010TF							08380059					A PS	
SUSAP KLWSK1FR08-Z R 0500FINOK1EA0EY 010TF							05660315	+ 06000				A PS	
SUSAP KLWSK1FR08-Z R 0600FINOK1EA0EE L020HM							05870050	+ 06000				A PS	

[illegible][illegible]

QUALITY
4
CHECKED

FAA FORM 8260 - 10 / April 2006 (Computer Generated)

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

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

ARINC FLIGHT INSPECTION SUMMARY - 424-18 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BIDDY	BIDDY	010	IAF	IF		FB				
	BIDDY	EVOYU	020		TF		FB	1.0	142.4 (157T)	010.9	AA 04300
	SEVER	SEVER	010	IAF	IF		FB				
	SEVER	EVOYU	020		TF		FB	1.0	054.5 (070T)	008.9	AA 05300
		EVOYU	010	FACF	IF		FB				AA 04300
		OZWAL	011	SDF	TF		FB	0.5	083.6 (099T)	005.1	AA 03700
		CENEV	020	FAF	TF		FB	0.3	083.7 (099T)	001.0	AA 03400
		RW08	030	MAP	TF		FO	0.3	083.7 (099T)	005.9	AT 01482

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FEVNI	040			TF	FB	1.0	083.8 (099T)	005.9	
	OFINO	050			TF	FO	1.0	056.6 (072T)	031.5	AA 06000
	OFINO	060		HM	L	FO	2.0	058.7 (074T)	005.0	AA 06000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BIDDY	N463417.17	W1172449.45	N4634.286	W11724.824
	CENEV	N462319.53	W1171006.81	N4623.326	W11710.114
	EVOYU	N462414.24	W1171847.49	N4624.237	W11718.792
	FEVNI	N462130.97	W1165312.45	N4621.516	W11653.208
	OFINO	N463119.36	W1160954.90	N4631.323	W11609.915
	OZWAL	N462328.54	W1171132.08	N4623.476	W11711.535
	SEVER	N462107.69	W1173050.17	N4621.128	W11730.836
	RW08	N462225.54	W1170139.28	N4622.426	W11701.655

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW08	01427	45

QUALITY
4
CHECKED

CITY AND STATE LEWISTON, ID	ELEVATION: 1442	TDZE: 1440	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Z RWY 8, ORIG 03 JUN 2010	SUP:
	AIRPORT NAME: LEWISTON-NEZ PERCE COUNTY				AMDT: NONE
					DATED:

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	ILS: AT THE DH.											
MQG VOR/DME (IAF)(40V)(43A)	FOWBO (TF)(FB)(RNP 1.00)(40E)	318.75/13.25	5000	CLIMB TO 6000 VIA TRACK 116.62 TO VOSKY AND VIA LEFT TURN TO EVHOG AND VIA TRACK 049.82 TO OFINO AND HOLD. THIS IS A CORRECTED COPY OF A PROC PUBLISHED IN TL 10-12. MISSING ARINC PAGES ADDITIONAL FLIGHT DATA: HOLD SW, LT, 058.65 INBOUND. CHART: 1390 TREE 462259N/1170133W CHART: 1393 TREE 462301N/1170134W DIST THLD FROM 268 HAT: 0.78 NM											
FOWBO (40E)	WANEY (RF)(FB)(RNP 1.00)(40E)	(5.30 NM RADIUS CCW CUGEM)/5.07	5000												
OFINO (IAF)(40E)(43A)	WANEY (TF)(FB)(RNP 1.00)(40E)	264.57/39.45	5300												
WANEY (40E)	TIZHO (RF)(FB)(RNP 1.00)(40E)	(4.70 NM RADIUS CCW RENLE)/5.23	5000												
TIZHO (40E)	HILUR (RF)(FB)(RNP 1.00)(40E)	(4.00 NM RADIUS CCW HEPEL)/3.49	5000												
PUW VOR/DME (IAF)(40V)(43A)	HILUR (TF)(FB)(RNP 1.00)(40E)	167.12/8.09	5000												
HILUR (IF)(40E)	JENAS (TF)(FB)(RNP 0.50)(40E)	150.02/2.66	4400												
JENAS (40E) (CONTINUED ON PAGE 2)	NILDE (RF)(FB)(RNP 0.50)(40E) (41E)(43F)	(4.40 NM RADIUS CCW KEDGY)/3.34	3900												
1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)				ROUTE TYPE: A, R ROUTE TYPE QUALIFIER 1: P ROUTE TYPE QUALIFIER 2: S #TCH 1425.9 MSL (DO NOT CHART) MAG VAR: 15E EPOCH YEAR: 2010											
2. PROFILE STARTS AT NILDE															
3. FAC: ** FAF: **SEE TERMINAL ROUTES FROM NILDE DIST FAF TO MAP: _____ THLD: _____															
4. MIN. ALT: _____															
5. DIST TO THLD FROM OM: 7.37 MM: _____ IM: 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 3900 GS ALT AT: NILDE 3900, ONLAW 2659, IYTAM 2254 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.10 TCH: 56.00# 34:1 IS NOT CLEAR															
8. MSA FROM: RW12 7700															
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY ==>	A			B			C			D			E		
	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA
SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED															
RNP 0.30 DA*	1683	1	268	1683	1	268	1683	1	268	1683	1	268			
RNP 0.30 DA	1887	1 3/4	472	1887	1 3/4	472	1887	1 3/4	472	1887	1 3/4	472			
NOTES: CHART NOTES: GPS AND RF REQUIRED. CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16C (3F) OR ABOVE 36C (98F). *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 260 FEET PER NM TO 3400. PROCEDURE NA AT NIGHT. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART PLANVIEW NOTES: AT FOWBO, WANEY, AND HILUR: MAX 210 KIAS. AT MQG, OFINO, PUW, AND BIDDY: (RNP 0.50).															
CITY AND STATE		ELEVATION: 1442 TDZE: 1415		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 03 JUN 2010 RNAV (RNP) Z RWY 12, ORIG				SUP: AMDT: NONE DATE					
LEWISTON, ID		LEWISTON-NEZ PERCE COUNTY													

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>
BIDY (IAF) (40E)(43A)	FOJJO (TF)(FB)(RNP 0.50) (40E)	112.70/6.46	4300
FOJJO (IF) (40E)	HOBOP (TF)(FB)(RNP 0.50) (40E)	106.44/3.33	4300
HOBOP (40E)	NILDE (TF)(FB)(RNP 0.50) (40E)(41E)(43F)	106.49/2.67	3900
NILDE (FAF) (40E)(43F)	ONLAW (TF)(FB) (40E)	106.53/3.66	
ONLAW (40E)	IYTAM (RF)(FB) (40E)	(7.00 NM RADIUS CW SAWJE)/1.22	
IYTAM (40E)	RW12 (TF)(FO) (40G)(41Y)(43M)	116.59/2.50	
RW12 (MAP) (40G)(41Y)(43M)	VOSKY (TF)(FB)(RNP 1.00) (40E)(42M)	116.62/4.45	
VOSKY (40E)(42M)	EVHOG (RF)(FB)(RNP 1.00) (40E)	(5.50 NM RADIUS CCW CODUT)/6.41	
EVHOG (40E)	OFINO (TF)(FO)(RNP 1.00) (40E)(41Y)	049.82/29.03	6000

CITY AND STATE LEWISTON, ID	ELEVATION: 1442 TDZE: 1415	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 03 JUN 2010 RNAV (RNP) Z RWY 12, ORIG	SUP:
	AIRPORT NAME: LEWISTON-NEZ PERCE COUNT			AMDT: NONE
				DATED:

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

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ARINC FLIGHT INSPECTION SUMMARY – VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	BIDDY	BIDDY	010	IAF	IF		FB				
	BIDDY	FOJJO	020	IF	TF		FB	0.5	112.7 (128T)	006.5	04300
	BIDDY	HOBOP	030		TF		FB	0.5	106.4 (121T)	003.3	04300
	BIDDY	NILDE	040	FAF	TF		FB	0.5	106.5 (122T)	002.7	03900
	MQG	MQG	010	IAF	IF		FB				
	MQG	FOWBO	020		TF		FB	1.0	318.8 (334T)	013.3	05000
	MQG	WANEY	030		RF	L	FB	1.0		005.1	05000
	MQG	TIZHO	040		RF	L	FB	1.0		005.2	05000
	MQG	HILUR	050	IF	RF	L	FB	1.0		003.5	05000
	MQG	JENAS	060		TF		FB	0.5	150.0 (165T)	002.7	04400
	MQG	NILDE	070	FAF	RF	L	FB	0.5		003.3	03900
	OFINO	OFINO	010	IAF	IF		FB				
	OFINO	WANEY	020		TF		FB	1.0	254.6 (279T)	039.5	05300
	OFINO	TIZHO	030		RF	L	FB	1.0		005.2	05000
	OFINO	HILUR	040	IF	RF	L	FB	1.0		003.5	05000
	OFINO	JENAS	050		TF		FB	0.5	150.0 (165T)	002.7	04400
	OFINO	NILDE	060	FAF	RF	L	FB	0.5		003.3	03900
	PUW	PUW	010	IAF	IF		FB				
	PUW	HILUR	020	IF	TF		FB	1.0	167.1 (182T)	008.1	05000
	PUW	JENAS	030		TF		FB	0.5	150.0 (165T)	002.7	04400
	PUW	NILDE	040	FAF	RF	L	FB	0.5		003.3	03900
		NILDE	020	FAF	IF		FB				
		ONLAW	021	SDF	TF		FB	0.3	106.5 (122T)	003.7	
		IYTAM	022	SDF	RF	R	FB	0.3		001.2	
		RW12	030	MAP	TF		FO	0.3	116.6 (132T)	002.5	1426MAN
MISSED APPROACH		FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		VOSKY	040		TF		FB	1.0	116.6 (132T)	004.5	
		EVHOG	050		RF	L	FB	1.0		006.4	
		OFINO	060		TF		FO	1.0	049.2 (065T)	029.0	06000
		OFINO	060		HM	L	FO	2.0	058.7 (077T)	005.0	06000
POINT DATA		WAYPOINT		LAT IN SECS		LONG IN SECS		LAT IN MINS		LONG IN MINS	
		BIDDY		N463417.17		W1172449.45		N4634.286		W11724.824	
		CODUT		N462403.61		W1165120.07		N4624.060		W11651.335	
		CUGEM		N463224.86		W1170732.95		N4632.414		W11707.549	
		EVHOG		N461905.06		W1164757.38		N4619.084		W11647.956	
		FOJJO		N463020.14		W1171725.82		N4630.336		W11717.430	
		FOWBO		N463445.79		W1170039.89		N4634.763		W11700.665	
		HEPEL		N463324.75		W1170814.60		N4633.413		W11708.243	
		HILUR		N463222.87		W1171350.56		N4632.381		W11713.843	
		HOBOP		N462835.78		W1171318.91		N4628.596		W11713.315	
		IYTAM		N462434.00		W1170406.79		N4624.567		W11704.113	
		JENAS		N462948.75		W1171250.84		N4629.813		W11712.847	

(CONTINUED ON PAGE 4)

CITY AND STATE LEWISTON, ID	ELEVATION: 1442 TDZE: 1415 AIRPORT NAME: LEWISTON-NEZ PERCE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 12, ORIG 03 JUN 2010	SUP:
				AMDT: NONE
				DATED:

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

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ARINC FLIGHT INSPECTION SUMMARY – VERSION 424-18

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	KEDGY	N463057.08	W1170641.67	N4630.951	W11706.695
	MOG	N462253.61	W1165210.24	N4622.894	W11652.171
	NILDE	N462712.19	W1171001.58	N4627.203	W11710.026
	OFINO	N463119.36	W1160954.90	N4631.323	W11609.915
	ONLAW	N462517.30	W1170531.03	N4625.288	W11705.517
	PUW	N464027.50	W1171324.60	N4640.458	W11713.410
	RENLE	N463300.42	W1170725.00	N4633.007	W11707.417
	SAWJE	N461919.77	W1171049.03	N4619.330	W11710.817
	TIZHO	N463542.32	W1171259.62	N4635.705	W11712.994
	VOSKY	N461957.06	W1165636.68	N4619.951	W11656.611
	WANEY	N463738.92	W1170621.77	N4637.649	W11706.363
	RW12	N462254.44	W1170124.73	N4622.907	W11701.412

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	12	1370	56

QUALITY
CHECKED

CITY AND STATE LEWISTON, ID	ELEVATION: 1442 TDZE: 1415 AIRPORT NAME: LEWISTON-NEZ PERCE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 12, ORIG 03 JUN 2010	SUP:
				AMDT: NONE
				DATED:

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
FERDI (IAF) (43A)(40E)	NEKTE (TF)(FB) (RNP 1.00)(40E)	294.09/11.91	6100
NEKTE (40E)	HORET (TF)(FB) (RNP 1.00) (40E)(41E)	293.92/6.50	5300
OFINO (IAF) (43A)(40E)	HORET (TF)(FB) (RNP 1.00) (40E)(41E)	229.44/25.20	5300
HORET (IF) (43I)(40E)	CUBLU (TF)(FB) (RNP 0.50) (43F)(40E)	264.02/6.28	3400
CUBLU (FAF) (43F)(40E)	RW26 (TF)(FO) (40G)(41Y)(43M)	263.91/5.92	
RW26 (MAP) (40G)(41Y)(43M)	CENEV (TF)(FB) (RNP 1.00) (40E)(42M)	263.81/7.00	
CENEV (40E)(42M)	SEVER (TF)(FO) (40E)(41Y)	246.42/14.52	7000

MISSED APPROACH

MAP DA

CLIMB TO 7000 VIA TRACK 263.81 TO CENEV AND VIA TRACK 246.42 TO SEVER AND HOLD, CONTINUE CLIMB-IN-HOLD TO 7000.

ADDITIONAL FLIGHT DATA:

HOLD W, LT, 071.46 INBOUND
CHART FAS OBST: 1660 TOWER 462228N/1165757W
DISTANCE TO THLD FROM 273 HAT: 0.72NM
ROUTE TYPE: A, R
ROUTE TYPE QUALIFIER 1: P
ROUTE TYPE QUALIFIER 2: S
#TCH 1484.9 MSL (DO NOT CHART)

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT HORET
3. FAC: 263.91 FAF: DIST FAF TO MAP: THLD:
4. MIN. ALT: HORET 5300
5. DIST TO THLD FROM OM: 5.92 MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 3400 GS ALT AT: CUBLU 3400 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 51.4# 34:1 IS CLEAR
8. MSA FROM: RW26 7700

THIS IS A CORRECTED COPY OF A
PROC PUBLISHED
IN TL 10-12. MISSING ARINC PAGES

MAG VAR: 15E 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

SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED

RNP 0.20 DA	1715	1/2	273	1715	1/2	273	1715	1/2	273	1715	1/2	273			
RNP 0.30 DA	2003	1 1/2	561	2003	1 1/2	561	2003	1 1/2	561	2003	1 1/2	561			

NOTES: CHART NOTES: GPS REQUIRED. FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -16C (3F) OR @ NA WHEN LOCAL WEATHER NOT AVAILABLE. ABOVE 46C (115F). CHART PLANVIEW NOTE: AT FERDI, OFINO: (RNP 0.50). PROCEDURE NA FOR ARRIVALS AT FERDI VIA V520 SOUTHWEST BOUND. PROCEDURE NA FOR ARRIVALS AT OFINO VIA V187 NORTHEAST BOUND. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE RNP 0.20 VISIBILITY ALL CATS TO 1 MILE AND RNP 0.30 VISIBILITY ALL CATS TO 2 MILES.

CITY AND STATE	ELEVATION: 1442 TDZE: 1442	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: 03 JUN 2010 RNAV (RNP) Z RWY 26, ORIG	SUP:
LEWISTON, ID	AIRPORT NAME: LEWISTON-NEZ PERCE COUNTY			AMDT: NONE
				DATE

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KLWSK1FR26-Z	AFERDI	010FERDIK1EA0E	A	IF					18000		A	PS
SUSAP	KLWSK1FR26-Z	AFERDI	020NEKTEK1EA0E		010TF		29410119		+ 06100			A	PS
SUSAP	KLWSK1FR26-Z	AFERDI	030HORETK1EA0EE	B	010TF		29390065		+ 05300			A	PS
SUSAP	KLWSK1FR26-Z	AOFINO	010OPINOK1EA0E	A	IF					18000		A	PS
SUSAP	KLWSK1FR26-Z	AOFINO	020HORETK1EA0EE	B	010TF		22940252		+ 05300			A	PS
SUSAP	KLWSK1FR26-Z	R	010HORETK1EA0E	I	IF				+ 05300	18000		A	PS
SUSAP	KLWSK1FR26-Z	R	020CUBLUK1EA1E	F	051TF		26400063		+ 03400			RW26 BK1PGA	PS
SUSAP	KLWSK1FR26-Z	R	020CUBLUK1EA2W						A031A021				PS
SUSAP	KLWSK1FR26-Z	R	030RW26 K1PG0GY	M	031TF		26390059		01485	-300		A	PS
SUSAP	KLWSK1FR26-Z	R	040CENEVK1EA0E	M	010TF		26380070					A	PS
SUSAP	KLWSK1FR26-Z	R	050SEVERK1EA0EY		010TF		24640145		+ 07000			A	PS
SUSAP	KLWSK1FR26-Z	R	060SEVERK1EA0EE		L020HM		07150070		+ 07000			A	PS

[illegible]

Page 2 of 3 Pages

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

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

ARINC FLIGHT INSPECTION SUMMARY - VERSION 424-18

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	FERDI	FERDI	010	IAF	IF		FB				
	FERDI	NEKTE	020	SDF	TF		FB	1.0	294.1 (309T)	011.9	06100
	FERDI	HORET	030	IF	TF		FB	1.0	293.9 (309T)	006.5	05300
	OFINO	OFINO	010	IAF	IF		FB				
	OFINO	HORET	020	IF	TF		FB	1.0	229.4 (244T)	025.2	05300
		HORET	010	FACF	IF						03400
		CUBLU	020	FAF	TF		FB	0.5	264.0 (279T)	006.3	03400
		RW26	030	MAP	TF		FO	0.3	263.9 (279T)	005.9	01485 MAN

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CENEV	040		TF		FB	1.0	263.8 (279T)	007.0	
	SEVER	050		TF		FO	1.0	246.4 (261T)	014.5	07000
	SEVER	060		HM	L	FO	2.0	071.5 (086T)	007.0	07000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	FERDI	N460847.89	W1162206.12	N4608.798	W11622.102
	NEKTE	N461617.68	W1163526.03	N4616.295	W11635.434
	OFINO	N463119.36	W1160954.90	N4631.323	W11609.915
	HORET	N462022.37	W1164243.99	N4620.373	W11642.733
	CUBLU	N462121.05	W1165141.05	N4621.351	W11651.684
	RW26	N462215.71	W1170007.52	N4622.262	W11700.125
	CENEV	N462319.53	W1171006.81	N4623.326	W11710.114
	SEVER	N462107.69	W1173050.17	N4621.128	W11730.836

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	26	1434	51

CITY AND STATE LEWISTON, ID	ELEVATION: 1442 TDZE: 1442	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: LEWISTON-NEZ PERCE COUNTY		RNAV (RNP) Z RWY 26, ORIG	AMDT: NONE
	03 JUN 2010		DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 5.67 MILES AFTER ISN VORTAC OR AT ISN 5.67 DME FIX CLIMB TO 3000 THEN CLIMBING LEFT TURN TO 4000 DIRECT ISN VORTAC AND HOLD.						
OFET/ISN 7.00 DME CW (IAF)		ONNOC/ISN 7.00 DME		7.00 DME ARC (ISN LR-288)				4300		ADDITIONAL FLIGHT DATA: HOLD NW, RT, 125.00 INBOUND. CHART FAS OBST: 2309 TREE 481224N/1034120W CHART 2359 TREE 481249N/1034223W. 2549 AAO 481456N/1034443W CHART ISN R-192 AT OFETI. ISN VORTAC TO RW11: 3.11/45.						
ONNOC/ISN 7.00 DME (IF)		ISN VORTAC		125.00 / 7.00				3900								
This is a corrected copy of a procedure published in TL 10-13. ** Fix Name changed FROM 'Older' TO 'Onnoc'. **																
1. PT <u> L </u> SIDE OF COURSE <u> 305.15 </u> OUTBOUND <u> 4100 </u> FT WITHIN <u> 10 </u> MILES OF <u> ISN VORTAC </u> (IAF) 2. _____ 3. FAC <u> 125.15 </u> FAF <u> ISN VORTAC </u> DIST FAF TO MAP <u> 5.67 </u> THLD <u> 5.67 </u> 4. MIN. ALT <u> ISN VORTAC 3900, WALIV/ISN 3.47 DME 2620* </u> 8. MSA FROM: <u> ISN VORTAC 4300 </u>																
										MAG VAR: 12E				EPOCH YEAR: 1985		
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @						
CATEGORY >>>>>		A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-11	2620	1	638	2620	1	638	2620	1 3/4	638	2620	2	638				
CIRCLING	2620	1	638	2620	1	638	2620	1 3/4	638	2620	2	638				
WALIV FIX MINIMUMS																
S-11	2560	1	578	2560	1	578	2560	1 1/2	578	2560	1 3/4	578				
CIRCLING	2560	1	578	2580	1	598	2600	1 3/4	618	2620	2	638				
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SIDNEY ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-11 AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE, INCREASE WALIV FIX (SEE FORM 8260-10) @ NA WHEN LOCAL WEATHER NOT AVAILABLE. QUALITY 5 CHECKED																
CITY AND STATE WILLISTON, ND				ELEVATION: 1982 TDZE: 1982 AIRPORT NAME: SLOULIN FLD INTL				FACILITY IDENTIFIER: ISN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 11, AMDT 13 29 JUL 2010				SUP VOR OR GPS RWY 11 AMDT 12B DATE 06/15/2000		

**VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.23**

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

NOTES, (CONT.):**MINIMUMS S-11 CATS C AND D VISIBILITY 1/2 MILE AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.***** 2720 WHEN USING SIDNEY ALTIMETER SETTING.**

QUALITY
CHECKED

CITY AND STATE WILLISTON, ND	ELEVATION: 1982 TDZE: 1982 AIRPORT NAME: SLOULIN FLD INTL	FACILITY IDENTIFIER: ISN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 11, AMDT 13 29 JUL 2010	SUP: VOR OR GPS RWY 11
				AMDT: 12B
				DATED: 06/15/2000

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: FEVAD							
MARRI (IAF)		JUTBA (FB)		342.44 / 12.63		9700		CLIMBING RIGHT TURN TO 13000 DIRECT MARRI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 13000.							
JUTBA (IF)		PUNIC (FB)		342.42 / 7.00		7900									
THIS IS A CORRECTED COPY OF THIS PROCEDURE PUBLISHED IN TL10-15 TO CHANGE FIX NAME "HELIR" TO "JUTBA".								ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. FAS OBST: 5824 AAO 390736N/1194316W FAC CROSSES MID POINT OF RWY 9-27.							
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)								MAG VAR: 14E EPOCH YEAR: 2010							
2. PROFILE STARTS AT JUTBA															
3. FAC: 342.42 FAF: PUNIC DIST FAF TO MAP: 5.30 THLD:															
4. MIN. ALT: JUTBA 9700, PUNIC 7900															
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: FEVAD 12100															
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A X									
CATEGORY	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
CIRCLING	6380	1 1/4	1675	6380	1 1/2	1675	6380	3	1675	6440	3	1735			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MARRI VIA V165 SOUTHBOUND. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RENO/TAHOE INTL ALTIMETER SETTING AND INCREASE ALL MDA 540 FT.															
CITY AND STATE				ELEVATION: 4705 TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
CARSON CITY, NV				AIRPORT NAME:		RNAV		RNAV (GPS)-A, AMDT 1				AMDT: ORIG			
				CARSON				29 JUL 2010				DATED 11/20/2008			

4
 CHECKED

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.			
TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA ILS: DA LOC: 2.48 MILES AFTER EMIRE LOM CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2300 DIRECT EMIRE LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2300; OR WHEN DIRECTED BY ATC, CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3600 DIRECT OTH VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600, HOLD W, RT, 74.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 042.74 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD W OTH VORTAC, RT, 074.00 INBOUND. CHART FAS OBST: 140 SHIP ON WATER 432422N/1241642W CHART OTH R-005 AT RARES. CHART OTH R-164 AT LUPCI. CHART IN PLANVIEW: OTH VORTAC. CHART: MAX 6000 AT EMIRE LOM.			
OTH VORTAC	EMIRE LOM/OTH 6.32 DME	240.68 / 6.32	3000				
RARES/OTH 16.00 DME CCW (IAF)	MITUE/OTH 16.00 DME (NOPT)	16.00 DME ARC (OTH LR-238)	2600				
LUPCI/OTH 16.00 DME CW (IAF)	MITUE/OTH 16.00 DME (NOPT)	16.00 DME ARC (OTH LR-222)	2400				
MITUE/OTH 16.00 DME (IF)	LEAST/OTH 8.75 DME	042.66 / 7.35 (I-OTH)	1300				
LEAST/OTH 8.75 DME	EMIRE LOM/OTH 6.32 DME	042.66 / 2.52 (I-OTH)	1000				
THIS IS AN CORRECTED COPY Previously published in TL 10-15. 1. ADDED "###" ON FIRST ILS LINE OF MINIMA TO MATCH CLIMB GRADIENT NOTE. 2. CORRECTED ITEM IN CHANGES BLOCK. FROM: 4. RAISED ILS DA FROM 200 TO 305.: TO: 4.							
1. PT <u>L</u> SIDE OF COURSE <u>222.66</u> OUTBOUND <u>2000</u> FT WITHIN <u>10</u> MILES OF <u>EMIRE LOM</u> (IAF) 2. _____ 3. FAC: <u>042.66</u> FAF: <u>EMIRE LOM/OTH 6.32 DME</u> DIST FAF TO MAP: <u>2.48</u> THLD: <u>2.48</u> 4. MIN. ALT: <u>LEAST 1300, EMIRE LOM 1000</u> 5. DIST TO THLD FROM OM: <u>2.48</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1001</u> 6. MIN GS INCPT: <u>1000</u> GS ALT AT: <u>GS INTCP</u> OM: <u>861</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.7</u> 8. MSA FROM: <u>OT OM 040-130 4300, 130-220 3400, 220-310 2000, 310-040 3400</u>				CC: RAISED ILS HAT FROM 200 TO 305. MAG VAR: 18E EPOCH YEAR: 1995			
MINIMUMS							
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	ILS: #	LOC: STANDARD @	
CATEGORY =====>	A		B		C		D
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA
S-ILS 4 ##	216	1/2	200	216	1/2	200	216
S-ILS 4	321	1/2	305	321	1/2	305	321
S-LOC 4	420	1/2	404	420	1/2	404	420
CIRCLING	740	1	723	740	1	723	820
							2 1/4
							803
							1060
							3
							1043
NOTES: CHART NOTE: CIRCLING TO RWY 22 NA AT NIGHT. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 4 VISIBILITY TO 1 MILE ALL CATS. CHART NOTE: ADF REQUIRED. CHART PLANVIEW NOTE: ADF OR DME REQUIRED. CHART PLANVIEW NOTE: ## MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 271 FEET PER NM TO 1200.							
CITY AND STATE		ELEVATION: 17 TDZE: 16		FACILITY IDENTIFIER: I-OTH		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
NORTH BEND, OR		AIRPORT NAME: SOUTHWEST OREGON RGNL				ILS OR LOC RWY 4, AMDT 7	
						29 JUL 2010	
						SUP: 6B	
						DATED 04/10/2008	

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐	AAT ☐	ALPA ☐	APA ☐	AOPA ☐	NBAA ☐	OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:
 CHANGES CONT.
 14. ADDED DME TO ADF REQUIRED PLANVIEW NOTE.
 15. ADDED NOTE ADF REQUIRED.

REASONS:
 REASONS CONT.

THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/05/2009.

1. CHANGED MISSED APPROACH LOC MAP FROM: LOC: RWY04; TO: LOC: 2.48 MILES AFTER EMIRE LOM
2. REMOVED "MITUE 2400" FROM LINE 4.
3. UPDATED AIRPORT NAME FROM: SOUTHWEST OREGON REGIONAL; TO: SOUTHWEST OREGON RGNL
4. ADDED NOTE: CIRCLING TO RWY 22 NA AT NIGHT, PER AFS-460.

THIS IS AN CORRECTED COPY OF THE FORM DEVELOPED ON 05/24/2010.

1. ADDED "##" ON FIRST ILS LINE OF MINIMA TO MATCH CLIMB GRADIENT NOTE.
2. CORRECTED ITEM IN CHANGES BLOCK, FROM: 4. RAISED ILS DA FROM 200 TO 305.; TO: 4. RAISED ILS HAT FROM 200 TO 305.
3. CORRECTED SPELLING OF "REQUIRED" IN #14 OF REASONS BLOCK.

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 5, STANDARD WITH MINIMUM CLIMB OF 354 FEET PER NM TO 2500 OR 1000-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.
RWY 23, STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 5: FOR CLIMB IN VISUAL CONDITIONS CROSS MOORE-MURRELL AIRPORT AT OR ABOVE 2200 THEN VIA VXV VORTAC R-060 INBOUND TO 4000 BEFORE PROCEEDING ON COURSE.

RWY 23: CLIMB HEADING 233.43 AND VXV VORTAC R-060 INBOUND TO 4000 BEFORE PROCEEDING ON COURSE.

This is a corrected copy of a procedure published in TL 10-13, on 14 May 2010.

** Amendment Number corrected FROM 3 TO 6. **

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 05: POLE 2187' FROM DER, 517' RIGHT OF CENTERLINE, UP TO 16' AGL/1356' MSL. VEHICLE ON ROAD 2019' FROM DER, 1018' LEFT OF CENTERLINE, UP TO 17' AGL/1337' MSL. WINDSOCK 66' FROM DER, 189' LEFT OF CENTERLINE, UP TO 8' AGL/1282' MSL. RAILROAD AT DER, 295' RIGHT OF CENTERLINE, UP TO 15' AGL/1288' MSL. TREES BEGINNING 1065' FROM DER, 464' LEFT OF CENTERLINE, UP TO 54' AGL/1414' MSL. TREES BEGINNING 191' FROM DER, 274' RIGHT OF CENTERLINE, UP TO 51' AGL/1311' MSL.

NOTE: RWY 23, POLE 1442' FROM DER, 451' RIGHT OF CENTERLINE, UP TO 54' AGL/1367' MSL. VEHICLE ON ROAD 23' FROM DER, 337' LEFT OF CENTERLINE, UP TO 17' AGL/1367' MSL. VEHICLE ON ROAD 1246' FROM DER, 113' RIGHT OF CENTERLINE, UP TO 17' AGL/1369' MSL. (CONT'D)

(4) CONTROLLING OBSTACLES:

RWY 23: 6821 MSL AAO 354218.00N/0831527.00W

RWY 05: 2116 MSL TOWER 361342.34N/0831955.62W, 2139 MSL AAO 361348.03N/0831948.22W

RWY 05 (VCOA): 1855 MSL TREE 361257.40N/0832055.17W

(5) City, State

MORRISTOWN, TN

(6) Airport

MOORE-MURRELL

(7) Effective Date

29 JUL 2010

(8) Amdt. No.

6

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

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

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

TREES BEGINNING 1774' FROM DER, 753' RIGHT OF CENTERLINE, UP TO 100' AGL/1460' MSL. BUILDINGS 1583' FROM DER, 690' RIGHT OF CENTERLINE, UP TO 30' AGL/1370' MSL.

City, State MORRISTOWN, TN		Airport MOORE-MURRELL		Effective Date 29 JUL 2010		Amdt. No. 6		
DP Name		Number	DP Computer Code	Superseded Number	Dated		Effective Date	

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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
SOLON (IAF)	HADON (FB)	328.41 / 8.24	2000
HADON (IF)	OSSOE (FB)	352.11 / 6.19	2000

This is a corrected copy of a procedure published in TL 10-14.

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

CLIMB TO 2000 DIRECT FEKEL AND ON TRACK 302.42 TO ATHIS AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 107.00 INBOUND.
CHART FAS OBST: 181 ANT 274539N/0973011W
DISTANCE TO THLD FROM 200 HAT: 0.45 NM.
WAAS CHANNEL # 69617
REFERENCE PATH ID: W35A
CHART: CABANISS FIELD NOLF
CHART: CUDDIHY FIELD (PRIVATE)

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT HADON
- FAC: 352.11 FAF: OSSOE DIST FAF TO MAP: 5.88 THLD: 5.88
- MIN. ALT: HADON 2000, OSSOE 2000, COKNU/1.30 NM TO RW35 500*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: OSSOE 2000 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 57.1 34:1 IS CLEAR
- MSA FROM: RW35 2100

MAG VAR: 7E

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM	8260-15A	FOR THIS AIRPORT	ALTERNATE: N A			STANDARD @					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	240	2400	200	240	2400	200	240	2400	200	240	2400	200	240	2400	200
LNAV/VNAV DA	558	6000	518	558	6000	518	558	6000	518	558	6000	518	558	6000	518
LNAV MDA	440	2400	400	440	2400	400	440	2400	400	440	5000	400	440	5000	400
CIRCLING	500	1	456	520	1	476	580	1 1/2	536	740	2 1/4	696	860	3	816

NOTES:
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO RVR 4000. LNAV/VNAV CAT E VISIBILITY TO 1 3/4, LNAV CAT D VISIBILITY TO RVR 6000, AND CAT E VISIBILITY TO 1 1/2 MILES.
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.
SEE 8260-10

@ CAT D 800-2 1/4, CAT E 900-3

QUALITY
4
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 40 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1 29 JUL 2010	SUP: AMDT: ORIG DATED 07/10/2003

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KCRPK4FR35	ASOLON	010SOLONK4EA0E	A	IF						18000		A JS	G
SUSAP KCRPK4FR35	ASOLON	020HADONK4EA0EE	B	010TF			32840082	+	02000			A JS	G
SUSAP KCRPK4FR35	R	010HADONK4EA0E	I	IF				+	02000	18000		A JS	G
SUSAP KCRPK4FR35	R	020OSSOEK4EA1E	F	051TF			35210062	+	02000		RW35	K4PGA JS	G
SUSAP KCRPK4FR35	R	020OSSOEK4EA2WALPV			ALNAV/VNAV	ALNAV						JS	G
SUSAP KCRPK4FR35	R	021COKNUK4EA0E	S	031TF			35210046	V	0050000512		-300	A JS	G
SUSAP KCRPK4FR35	R	030RW35 K4PGOGY	M	031TF			35210013		00096		-300	A JS	G
SUSAP KCRPK4FR35	R	040		0 M 010CA			3521	+	00240			A JS	G
SUSAP KCRPK4FR35	R	050FEKELK4EA0E		010DF								A JS	G
SUSAP KCRPK4FR35	R	060ATHISK4EA0EY		010TF			3024	+	02000			A JS	G
SUSAP KCRPK4FR35	R	070ATHISK4EA0EE		R020HM			10700040	+	02000			A JS	G

[illegible][illegible]

QUALITY
4
CHECKED

CITY AND STATE CORPUS CHRISTI, TX	ELEVATION: 44 TDZE: 40 AIRPORT NAME: CORPUS CHRISTI INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 1	SUP:
				AMDT: ORIG
				DATED: 07/10/2003

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

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

SUSAP KCRPK4PR35 RW35 002E +00120+00120LPV 69617 G

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

SUSAP KCRPK4SRW35 K4PG 0 18018002125 M G

QUALITY
A
CHECKED

CITY AND STATE
CORPUS CHRISTI, TX

ELEVATION: 44 TDZE: 40
AIRPORT NAME:
CORPUS CHRISTI INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 35, AMDT 1
29 JUL 2010

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

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES												MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 2000 DIRECT OREAN AND HOLD. WHEN AUTHORIZED BY ATC, CLIMB-IN-HOLD TO 2500. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 314.06 INBOUND. CHART FAS OBST: 174 TREE 273334N/0980304W CHART FAS OBST: 184 TREE 273435N/0980336W CHART A-632A. CHART A-632C. CHART KINGSVILLE 2 MOA. DISTANCE TO THLD FROM 250 HAT: 0.65 NM. CHART VDP AT 0.85 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 86618 REFERENCE PATH ID: W13A CHART TDZE 130. CHART AIRPORT ELEVATION 130.									
CRP VORTAC		PUNVE (FB)		247.57 / 36.45				2000											
PUNVE (IAF)		IHPOP (NOPT) (FB)		223.98 / 4.00				2000											
IHPOP (IF/IAF)		JOYRY (FB)		133.95 / 6.01				1500											
THIS IS A CORRECTED COPY OF THE PROCEDURE PUBLISHED IN TL 10-14, CHANGED MISSED APPROACHED FROM:...DIRECT STACI...TO:...OREAN. (8260-10 CHANGES ALL REFEREFENCES TO STACI CHANGED TO OREAN)																			
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NW IHPOP, RT, 133.95 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>133.99</u> FAF: <u>JOYRY</u> DIST FAF TO MAP: <u>4.12</u> THLD: <u>4.12</u> 4. MIN. ALT: <u>IHPOP 2000, JOYRY 1500, ZUNIK/1.70 NM TO RW13 700*</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>1500</u> GS ALT AT: <u>JOYRY 1500</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>42.4</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW13 2100</u>																MAG VAR: 6E		EPOCH YEAR: 2000	
MINIMUMS																			
TAKEOFF: <u> </u>		☐ STANDARD ☒ X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A ☐ X ☐											
CATEGORY =====>		A			B			C			D			E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LPV DA	380	3/4	250	380	3/4	250	380	3/4	250	380	3/4	250							
LNAV/VNAV DA	444	1	314	444	1	314	444	1	314	444	1	314							
LNAV MDA	440	1	310	440	1	310	440	1	310	440	1	310							
CIRCLING	500	1	370	580	1	450	580	1 1/2	450	680	2	550							
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 KINGSVILLE, TX				ELEVATION: 130 TDZE: 130 AIRPORT NAME: KLEBERG COUNTY				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010				SUP: AMDT: NONE DATED					

QUALITY
1
CHECKED

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

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

NOTES CONT.***LNAV ONLY**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALICE ALTIMETER SETTING AND INCREASE ALL DA 33 FEET AND ALL MDA 40 FEET AND LPV ALL CATS, LNAV/VNAV ALL CATS, AND LNAV CAT D VISIBILITY 1/4 MILE.

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

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CRP VORTAC AIRWAY RADIAL 287.

QUALITY
1
CHECKED

CITY AND STATE

KINGSVILLE, TX

ELEVATION: 130 TDZE: 130

AIRPORT NAME:

KLEBERG COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KIKG
RUNWAY RW13
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W13A
LTP/FTP LATITUDE 273325.8420N
LTP/FTP LONGITUDE 0980212.7465W
LTP/FTP ELLIPSOIDAL HEIGHT +00135
FPAP LATITUDE 273217.3800N
FPAP LONGITUDE 0980108.3400W
THRESHOLD CROSSING HEIGHT (TCH) 00042.4
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0920
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

2626F781

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +00397
FPAP ORTHOMETRIC HEIGHT +00397

QUALITY
CHECKED

CITY AND STATE

KINGSVILLE, TX

ELEVATION: 130

TDZE: 130

AIRPORT NAME:

KLEBERG COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

29 JUL 2010

SUP:

AMDT:

NONE

DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KIKGK4FR13	ACRP	010CRP	K4D 0V	IF					18000		A JS	G	
SUSAP KIKGK4FR13	ACRP	020PUNVEK4EA0E	A 020TF			24760365	+ 02000				A JS	G	
SUSAP KIKGK4FR13	ACRP	030IHPOPK4EA0EE	B 010TF			22400040	+ 02000				A JS	G	
SUSAP KIKGK4FR13	AIHPOP	010IHPOPK4EA0EE	AR HF			13400040	+ 02000	18000			A JS	G	
SUSAP KIKGK4FR13	R	010IHPOPK4EA0E	I IF				+ 02000	18000			A JS	G	
SUSAP KIKGK4FR13	R	020JOYRYK4EA1E	F 051TF			13400060	+ 01500			RW13	K4PGA JS	G	
SUSAP KIKGK4FR13	R	020JOYRYK4EA2WALPV		ALNAV/VNAV ALNAV							JS	G	
SUSAP KIKGK4FR13	R	021ZUNIKK4EA0E	S 031TF			13400024	V 0070000717		-300		A JS	G	
SUSAP KIKGK4FR13	R	030RW13 K4PG0GY	M 031TF			13400017	00173		-300		A JS	G	
SUSAP KIKGK4FR13	R	040	0 M 010CA			1340	+ 00380				A JS	G	
SUSAP KIKGK4FR13	R	050OREANK4EA0EY	010DF				+ 02000				A JS	G	
SUSAP KIKGK4FR13	R	060OREANK4EA0EE	R020HM			31410040	+ 02000				A JS	G	

[illegible]

QUALITY
4
CHECKED

SUP:	
AMDT:	NONE
DATED:	

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

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

	SUSAP KIKGK4PR13	RW13	001	0000W13A0N2733258420W09802127465+001350300N2732173800W09801083400106750920000424F4005002626F781G									
	SUSAP KIKGK4PR13	RW13	002E	+00397+00397LPV	86618								G

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

	SUSAP KIKGK4SRW13	K4PG	0	18018002125								M	G

QUALITY
4
CHECKED

CITY AND STATE KINGSVILLE, TX	ELEVATION: 130 TDZE: 130	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: KLEBERG COUNTY			AMDT: NONE
				DATED:

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. 30731 ; Amdt. No. 3380]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

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

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

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

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

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

For Examination-

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

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

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

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

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

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

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

THE RULE

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

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

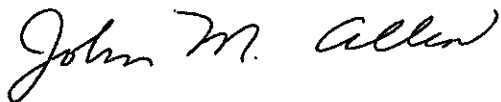
CONCLUSION

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on June 25, 2010.

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

John M. Allen
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

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

Part 97—Standard Instrument Approach Procedures

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

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

2. Part 97 is amended to read as follows:

Effective 29 JUL 2010

Anchorage, AK, Ted Stevens Anchorage Intl, ILS OR LOC/DME RWY 7L, ILS RWY 7L (CAT II), Amdt 1
Jackson, AL, Jackson Muni, RNAV (GPS) RWY 1, Orig
Jackson, AL, Jackson Muni, RNAV (GPS) RWY 19, Orig
Troy, AL, Troy Muni, ILS OR LOC RWY 7, Amdt 9
Troy, AL, Troy Muni, RNAV (GPS) RWY 7, Amdt 1
Troy, AL, Troy Muni, RNAV (GPS) RWY 25, Amdt 1
Vernon, AL, Lamar County, RNAV (GPS) RWY 17, Orig
Vernon, AL, Lamar County, RNAV (GPS) RWY 35, Orig
Vernon, AL, Lamar County, VOR/DME-A, Amdt 3
Blytheville, AR, Arkansas Intl, ILS OR LOC/DME RWY 18, Amdt 1
Blytheville, AR, Arkansas Intl, RNAV (GPS) RWY 18, Amdt 1
Blytheville, AR, Arkansas Intl, RNAV (GPS) RWY 36, Amdt 1
Carlisle, AR, Carlisle Muni, RNAV (GPS) RWY 9, Amdt 1
Marianna, AR, Marianna/Lee County-Steve Edwards Field, RNAV (GPS) RWY 18, Orig
Marianna, AR, Marianna/Lee County-Steve Edwards Field, RNAV (GPS) RWY 36, Orig
Marianna, AR, Marianna/Lee County-Steve Edwards Field, Takeoff Minimums and Obstacle DP, Orig
Bakersfield, CA, Meadows Field, ILS OR LOC/DME RWY 30R, Amdt 30
Bakersfield, CA, Meadows Field, RNAV (GPS) RWY 12L, Amdt 1
Bakersfield, CA, Meadows Field, RNAV (GPS) RWY 30R, Amdt 1
Daggett, CA, Barstow-Daggett, RNAV (GPS) RWY 22, Amdt 2
Daggett, CA, Barstow-Daggett, RNAV (GPS) RWY 26, Amdt 2
Daggett, CA, Barstow-Daggett, Takeoff Minimums and Obstacle DP, Amdt 3
Daggett, CA, Barstow-Daggett, VOR OR TACAN RWY 22, Amdt 10
San Jose, CA, Reid-Hillview of Santa Clara, RNAV (GPS) RWY 13L, Orig
San Jose, CA, Reid-Hillview of Santa Clara, RNAV (GPS) Y RWY 31R, Orig
San Jose, CA, Reid-Hillview of Santa Clara, RNAV (GPS) Z RWY 31R, Amdt 1
Tulare, CA, Mefford Field, RNAV (GPS) RWY 13, Orig
Tulare, CA, Mefford Field, VOR/DME RWY 13, Amdt 1
Longmont, CO, Vance Brand, RNAV (GPS) RWY 29, Amdt 1
Washington, DC, Washington Dulles Intl, ILS OR LOC RWY 19L, Amdt 15
Washington, DC, Washington Dulles Intl, ILS OR LOC/DME RWY 1C, Amdt 2
Marianna, FL, Marianna Muni, GPS RWY 18, Amdt 1, CANCELLED
Marianna, FL, Marianna Muni, NDB-C, Amdt 4
Marianna, FL, Marianna Muni, RNAV (GPS) RWY 18, Orig
Marianna, FL, Marianna Muni, VOR-A, Amdt 12
Marianna, FL, Marianna Muni, VOR-B, Amdt 5
Titusville, FL, NASA Shuttle Landing Facility, RNAV (GPS) RWY 15, Orig
Titusville, FL, NASA Shuttle Landing Facility, RNAV (GPS) RWY 33, Orig
Titusville, FL, NASA Shuttle Landing Facility, TACAN RWY 15, Orig
Titusville, FL, NASA Shuttle Landing Facility, TACAN RWY 33, Orig

Titusville, FL, NASA Shuttle Landing Facility, Takeoff Minimums and Obstacle DP, Amdt 1
Homerville, GA, Homerville, NDB RWY 14, Amdt 2
Homerville, GA, Homerville, RNAV (GPS) RWY 14, Orig
Homerville, GA, Homerville, RNAV (GPS) RWY 32, Orig
Homerville, GA, Homerville, Takeoff Minimums and Obstacle DP, Orig
Homerville, GA, Homerville, VOR/DME-A, Amdt 4
McRae, GA, Telfair-Wheeler, RNAV (GPS) RWY 21, Amdt 1
McRae, GA, Telfair-Wheeler, Takeoff Minimums and Obstacle DP, Amdt 1
Honolulu, HI, Honolulu Intl, LOC RWY 8L, Orig-A
Council Bluffs, IA, Council Bluffs Muni, RNAV (GPS) RWY 14, Amdt 2
Council Bluffs, IA, Council Bluffs Muni, RNAV (GPS) RWY 36, Amdt 1
Casey, IL, Casey Muni, GPS RWY 22, Orig-A, CANCELLED
Casey, IL, Casey Muni, NDB RWY 4, Amdt 8
Casey, IL, Casey Muni, NDB RWY 22, Amdt 5
Casey, IL, Casey Muni, RNAV (GPS) RWY 4, Orig
Casey, IL, Casey Muni, RNAV (GPS) RWY 22, Orig
Chicago, IL, Chicago-O'Hare Intl, ILS OR LOC RWY 32L, Amdt 2B, CANCELLED
Chicago, IL, Chicago-O'Hare Intl, RNAV (GPS) RWY 14R, Amdt 2
Chicago, IL, Chicago-O'Hare Intl, RNAV (GPS) RWY 32L, Amdt 2C, CANCELLED
Chicago, IL, Chicago-O'Hare Intl, Takeoff Minimums and Obstacle DP, Amdt 17
Chicago/Romeoville, IL, Lewis University, RNAV (GPS) RWY 2, Amdt 2
Kokomo, IN, Kokomo Muni, ILS OR LOC RWY 23, Amdt 9
Kokomo, IN, Kokomo Muni, RNAV (GPS) RWY 5, Orig
Kokomo, IN, Kokomo Muni, RNAV (GPS) RWY 23, Orig
Kokomo, IN, Kokomo Muni, Takeoff Minimums and Obstacle DP, Orig
Kokomo, IN, Kokomo Muni, VOR RWY 23, Amdt 20
Kokomo, IN, Kokomo Muni, VOR RWY 32, Amdt 20
Kokomo, IN, Kokomo Muni, VOR/DME RNAV OR GPS RWY 5, Amdt 5A, CANCELLED
Atwood, KS, Atwood-Rawlins County City-County, NDB RWY 16, Amdt 2
Atwood, KS, Atwood-Rawlins County City-County, RNAV (GPS) RWY 16, Orig
Coffeyville, KS, Coffeyville Muni, Takeoff Minimums and Obstacle DP, Amdt 1
Georgetown, KY, Georgetown Scott County-Marshall Fld, , RNAV (GPS) RWY 3, Amdt 2
Georgetown, KY, Georgetown Scott County-Marshall Fld, RNAV (GPS) Y RWY 21, Orig
Georgetown, KY, Georgetown Scott County-Marshall Fld, RNAV (GPS) Z RWY 21, Amdt 2
Richmond, KY, Madison, RNAV (GPS) RWY 18, Orig
Richmond, KY, Madison, RNAV (GPS) RWY 36, Orig
Richmond, KY, Madison, Takeoff Minimums and Obstacle DP, Orig
Richmond, KY, Madison, VOR/DME RWY 18, Amdt 6
Richmond, KY, Madison, VOR/DME RNAV OR GPS RWY 36, Amdt 6, CANCELLED

Gardner, MA, Gardner Muni, RNAV (GPS)-B, Orig
Gardner, MA, Gardner Muni, VOR-A, Amdt 6
Pittsfield, MA, Pittsfield Muni, LOC RWY 26, Amdt 8
Biddeford, ME, Biddeford Muni, GPS RWY 6, Orig-A, CANCELLED
Biddeford, ME, Biddeford Muni, RNAV (GPS) RWY 6, Orig
Dowagiac, MI, Dowagiac Muni, RNAV (GPS) RWY 9, Orig
Dowagiac, MI, Dowagiac Muni, RNAV (GPS) RWY 27, Orig
Dowagiac, MI, Dowagiac Muni, VOR-A, Amdt 10
Dowagiac, MI, Dowagiac Muni, VOR/DME RNAV OR GPS RWY 27, Amdt 6, CANCELLED
Drummond Island, MI, Drummond Island, GPS RWY 8, Orig, CANCELLED
Drummond Island, MI, Drummond Island, GPS RWY 26, Orig, CANCELLED
Drummond Island, MI, Drummond Island, RNAV (GPS) RWY 8, Orig
Drummond Island, MI, Drummond Island, RNAV (GPS) RWY 26, Orig
Grayling, MI, Grayling AAF, VOR RWY 14, Amdt 2
Lansing, MI, Capital Region Intl, RNAV (GPS) RWY 6, Orig
Lansing, MI, Capital Region Intl, VOR RWY 6, Amdt 25
Newberry, MI, Luce County, RNAV (GPS) RWY 11, Orig
Newberry, MI, Luce County, RNAV (GPS) RWY 29, Orig
Newberry, MI, Luce County, VOR RWY 11, Amdt 12
Newberry, MI, Luce County, VOR RWY 29, Amdt 12
Valley City, ND, Barnes County Muni, RNAV (GPS) RWY 13, Orig
Valley City, ND, Barnes County Muni, RNAV (GPS) RWY 31, Orig
Las Vegas, NV, McCarran Intl, Takeoff Minimums and Obstacle DP, Amdt 6
Reno, NV, Reno/Stead, RNAV (GPS) RWY 32, Amdt 1
Hamilton, NY, Hamilton Muni, RNAV (GPS) RWY 35, Orig
Ithaca, NY, Ithaca Tompkins Rgnl, ILS OR LOC RWY 32, Amdt 6
Ithaca, NY, Ithaca Tompkins Rgnl, RNAV (GPS) RWY 32, Orig
Shawnee, OK, Shawnee Rgnl, RNAV (GPS) RWY 35, Orig
Barnwell, SC, Barnwell Rgnl, RNAV (GPS) RWY 17, Amdt 2
Austin, TX, Austin Executive, RNAV (GPS) RWY 13, Orig
Austin, TX, Austin Executive, RNAV (GPS) RWY 31, Orig
Austin, TX, Austin Executive, Takeoff Minimums and Obstacle DP, Orig
Henderson, TX, Rusk County, NDB-B, Amdt 1
Odessa, TX, Odessa-Schlemeyer Field, VOR-A, Amdt 7
Louisa, VA, Louisa County/Freeman Field, LOC/DME RWY 27, Amdt 3
Louisa, VA, Louisa County/Freeman Field, RNAV (GPS) RWY 27, Amdt 1
Louisa, VA, Louisa County/Freeman Field, Takeoff Minimums and Obstacle DP, Amdt 1
East Troy, WI, East Troy Muni, Takeoff Minimums and Obstacle DP, Orig

On June 09, 2010 (75 FR 32654) the FAA published an Amendment in Docket No. 30727, Amdt 3376 to Part 97 of the Federal Aviation Regulations under section 97.23 and 97.33. The following entries, effective 29 July 2010, are hereby changed to be effective on 23 September 2010:

Marshalltown, IA, Marshalltown Muni, GPS RWY 12, Orig-B, CANCELLED
Marshalltown, IA, Marshalltown Muni, RNAV (GPS) RWY 13, Orig
Marshalltown, IA, Marshalltown Muni, RNAV (GPS) RWY 31, Orig
Marshalltown, IA, Marshalltown Muni, Takeoff Minimum and Obstacle DP, Orig
Marshalltown, IA, Marshalltown Muni, VOR RWY 13, Amdt 2
Marshalltown, IA, Marshalltown Muni, VOR RWY 31, Amdt 2

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: I-TGN 1.92 DME FIX CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2500 VIA HEADING 200 AND ANC VOR/DME R-173 TO NAPTO INT/ANC 21.80 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2000 VIA HEADING 280 DIRECT BOB NDB AND HOLD. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD N, RT, 173.00 INBOUND. CHART ARRIVAL HOLDING AT ANC VOR/DME: HOLD SW, RT, 053.00 INBOUND, 3000. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W BOB NDB, RT, 069 INBOUND. CHART FAS OBST: 256 TREE 610954N/1500233W CHART VDP AT 2.76 DME*: *LOC ONLY. DISTANCE VDP TO THLD 0.85 MILES. CHART IN PLANVIEW: BOB NDB.											
ANC VOR/DME	WEBBI INT/I-TGN 6.32 DME	025.41 / 1.77	1600												
ENA VOR/DME (IAF)	AINKK INT/I-TGN 16.83 DME (NOPT)	005.38 / 38.72	2000												
AINKK INT/I-TGN 16.83 DME (IF)	WEBBI INT/I-TGN 6.32 DME	070.88 / 10.51 (I-TGN)	1600												
1. PT <u>L</u> SIDE OF COURSE <u>250.88</u> OUTBOUND <u>1600</u> FT WITHIN <u>10</u> MILES OF <u>WEBBI</u> (IAF) 2. _____ 3. FAC: <u>070.88</u> FAF: <u>WEBBI INT/I-TGN 6.32 DME</u> DIST FAF TO MAP: _____ THLD: <u>4.40</u> 4. MIN. ALT: <u>WEBBI 1600</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: <u>893</u> GS ANT: <u>973</u> 6. MIN GS INCPT: <u>1600</u> GS ALT AT: <u>WEBBI INT/I-TGN 6.32 DME 1600</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>53.5</u> 8. MSA FROM: <u>ANC VOR/DME 025-160 8200, 160-265 2300, 265-025 5600</u>				MAG VAR: <u>19E</u> EPOCH YEAR: <u>2010</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 7L	328	1800	200	328	1800	200	328	1800	200	328	1800	200	328	2400	200
S-LOC 7L	460	2400	332	460	2400	332	460	2400	332	460	4000	332	460	4000	332
CIRCLING	740	1	588	740	1	588	740	1 1/2	588	800	2	648	920	2 1/2	768
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 7L: CAT A, B, C, D RA 108, RVR 1200, DA 228 MSL, HAT/HAT 100. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 7L CAT E VISIBILITY TO RVR 4000, S-LOC 7L CAT D SEE 8260-10															
CITY AND STATE ANCHORAGE, AK		ELEVATION: 152 TDZE: 128 AIRPORT NAME: TED STEVENS ANCHORAGE INTL		FACILITY IDENTIFIER: I-TGN		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC/DME RWY 7L, AMDT 1 ILS RWY 7L (CAT II) 29 JUL 2010				SUP:					
										AMDT:		ORIG-A			
										DATED		09/25/2008			

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

VISIBILITY TO RVR 5000 AND CAT E VISIBILITY TO RVR 6000.

CHART PROFILE NOTE: PROCEDURE TURN NA FOR CAT E AIRCRAFT.

CHART NOTE: RVR PREDICATED ON RWY 7R MIDFIELD TRANSMISSOMETER.

CHART PLANVIEW NOTE: AIRCRAFT ARRIVING AT ANC VOR/DME MAY REQUIRE DESCENT TO 3600 IN THE ANC

VOR/DME HOLDING PATTERN BEFORE COMMENCING APPROACH.

CHART NOTE: PROCEDURE DOES NOT MEET ICAO STANDARDS FOR ALSF TDZ/CL LIGHTING SYSTEMS. AUTHORIZATION TO CONDUCT THIS APPROACH REQUIRES SPECIFIC OPS SPEC APPROVAL OR LOA FOR THIS RUNWAY.

QUALITY
1
CHECKED

CITY AND STATE

ANCHORAGE, AK

ELEVATION: 152 TDZE: 128

AIRPORT NAME:

TED STEVENS ANCHORAGE INTL

FACILITY
IDENTIFIER:

I-TGN

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 7L, AMDT 1
ILS RWY 7L (CAT II)

29 JUL 2010

SUP:

AMDT: ORIG-A

DATED: 09/25/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
YARBO	INYAG (FB)	118.98 / 22.37	2000	CLIMB TO 2000 DIRECT CEXUK AND RIGHT TURN ON TRACK 120.81 TO PUVNE AND RIGHT TURN ON TRACK 224.75 TO WAKVA AND HOLD. ADDITIONAL FLIGHT DATA: FAS OBST: 459 AAO 312407N/0875335W CHART EVERGREEN ASOS. CHART PINE HILL WEST MOA, CAMDEN RIDGE MOA. FOVID TO RW01: 3.05/42.											
MVC VORTAC	JIBIK (FB)	245.04 / 28.01	2000												
INYAG (IAF)	WAKVA (NOPT) (FB)	100.72 / 5.00	2000												
JIBIK (IAF)	WAKVA (NOPT) (FB)	280.82 / 5.00	2000												
WAKVA (IF/IAF)	FOVID (FB)	010.77 / 6.54	2000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S WAKVA, RT, 010.77 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 010.78 FAF: FOVID DIST FAF TO MAP: 5.86 THLD: 5.86 4. MIN. ALT: WAKVA 2000, FOVID 2000 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: RW01 2100				MAG VAR: 2W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X										
CATEGORY =====>	A		B		C		D		E						
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	900	1	838	900	1 1/4	838	900	2 1/2	838	900	2 3/4	838			
CIRCLING	980	1 1/4	918	980	1 1/4	918	980	2 3/4	918	1000	3	938			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT YARBO ON V209 NORTHBOUND. SEE 8260-10															
CITY AND STATE		ELEVATION: 62 TDZE: 62		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
JACKSON, AL		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 1, ORIG				AMDT: NONE					
		JACKSON MUNI				29 JUL 2010				DATED					

QUALITY
CHECKED

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

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

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MVC VORTAC AIRWAY RADIALS 212 CW 246.

CHART NOTE: USE EVERGREEN ALTIMETER SETTING, WHEN NOT RECEIVED, USE MOBILE REGIONAL ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.

QUALITY
CHECKED

CITY AND STATE

JACKSON, AL

ELEVATION: 62 TDZE: 62

AIRPORT NAME:

JACKSON MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 1, ORIG
29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

QUALITY
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CHECKED

PAGE 3 OF 4 PAGES

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

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

SUSAP 4R3 K7FR01 R 080WAKVAK7EA0EE R020HM 01080040 + 02000 B JS

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

SUSAP 4R3 K7GRW01 0050020108 N31274955W087534966-0600 -0009000062000042080R

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

SUSAP 4R3 K7SRW01 K7PG 0 18018002125 M

QUALITY
1
CHECKED

CITY AND STATE JACKSON, AL	ELEVATION: 62 TDZE: 62	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 1, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: JACKSON MUNI			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									
MVC VORTAC	NENRE (FB)	303.28 / 24.46	2000	LNAV: RW19 CLIMB TO 2000 DIRECT WAKVA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 010.77 INBOUND. FAS OBST: 559 AAO 313153N/0875231W CHART 921 TOWER 313431N/0875310W. CHART 756 TOWER 313216N/0875223W. CHART EVERGREEN ASOS. CHART PINE HILL WEST MOA, CAMDEN RIDGE MOA. ITCIB TO RW19: 3.35/39.								
YARBO	JIBEL (FB)	059.21 / 28.24	2000									
NENRE (IAF)	ETIBY (FB)	280.86 / 5.00	2000									
JIBEL (IAF)	ETIBY (FB)	100.76 / 5.00	2000									
ETIBY (IF)	CEXUK (FB)	190.81 / 6.55	2000									
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 ETIBY 3. FAC: <u>190.80</u> FAF: <u>CEXUK</u> DIST FAF TO MAP: <u>5.95</u> THLD: <u>5.95</u> 4. MIN. ALT: <u>ETIBY 2000, CEXUK 2000, ITCIB/3.50 NM TO RW19 1320</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW19 2100</u>				MAG VAR: <u>2W</u> EPOCH YEAR: <u>2010</u>								
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
LNAV MDA	1000	1 1/4	961	1000	1 1/2	961	1000	3	961	1000	3	961
CIRCLING	1000	1 1/4	938	1000	1 1/2	938	1000	3	938	1000	3	938
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. SEE 8260-10												
CITY AND STATE			ELEVATION: 62 TDZE: 39		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:		
JACKSON, AL			AIRPORT NAME:		RNAV		RNAV (GPS) RWY 19, ORIG			AMDT: NONE		
			JACKSON MUNI				29 JUL 2010			DATED		

QUALITY
CHECKED

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

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

NOTES CONT.**CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT YARBO ON V209 SOUTHBOUND.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT MVC VORTAC ON V70 NORTHEAST BOUND.****CHART NOTE: USE EVERGREEN ALTIMETER SETTING, WHEN NOT RECEIVED, USE MOBILE REGIONAL ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.**

QUALITY
CHECKED

CITY AND STATE JACKSON, AL	ELEVATION: 62 TDZE: 39 AIRPORT NAME: JACKSON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 19, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

QUALITY
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CHECKS

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

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

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

SUSAP 4R3 K7GRW19	0050021908	N31283848W087534083+0600	-0017600034000039080R											

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

SUSAP 4R3 K7SRW19 K7PG	0	18018002125	M											

QUALITY
1
CHECKED

CITY AND STATE
JACKSON, AL

ELEVATION: 62 TDZE: 39
 AIRPORT NAME:
 JACKSON MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 19, ORIG
 29 JUL 2010

SUP:
 AMDT: NONE
 DATED:

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet VR.			
TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.62 MILES AFTER BLOOD LOM OR AT I-TOI 0.87 DME FIX CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 2200 DIRECT BLOOD LOM AND HOLD; OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2400 ON HEADING 070 AND MGM VORTAC R-126 TO BANBI INT AND HOLD SE, RT, 305.96 INBOUND. ADDITIONAL FLIGHT DATA: CHART: ALTERNATE MA HOLDING, HOLD SE BANBI INT, RT, 305.96 INBOUND. CHART FAS OBST: 619 TREE 315045N/0860508W CHART 669 TREE 315040N/0860548W. CHART A-211. CHART (JAPAP) AT INTERSECTION OF DR LEG AND INTERMEDIATE COURSE. CHART IN PLANVIEW LEAD DME ON MGM R-168 AT 24.26 DME CHART VDP AT 2.17 DME; DISTANCE VDP TO THLD 1.30 MILES. CHART: ASR/PAR MAG VAR: 1W EPOCH YEAR: 1990			
BANBI INT	BLOOD LOM	270.19 / 17.71	2200				
MGM VORTAC (IAF)	MAKEY INT/I-TOI 12.75 DME (NOPT)	168.00 / 26.26 (TO LBRG-089)	2600				
RUTEL INT (IAF)	MAKEY INT (NOPT)	030.00 / 2.94 (HDG) & 070.48 / 5.08	2600				
MAKEY INT (IF)	BLOOD LOM/I-TOI 5.49 DME	070.48 / 7.25	2000				

1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)	
2. HOLD W BLOOD LOM, LT, 070.48 INBOUND, 2100 FT. IN LIEU OF PT (IAF)	
3. FAC: <u>070.48</u> FAF: BLOOD LOM	DIST FAF TO MAP: <u>4.62</u> THLD: <u>4.62</u>
4. MIN. ALT: BLOOD LOM 2000	
5. DIST TO THLD FROM OM: <u>4.62</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1033</u>	
6. MIN GS INCPT: <u>2000</u> GS ALT AT GS INTC: <u> </u> OM: <u>1936</u> MM: <u>-</u> IM: <u>-</u>	
7. GS ANGLE: <u>3.00</u> TCH: <u>54.4</u>	
8. MSA FROM: TO LOM 3500	

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 7	600	3/4	208	600	3/4	208	600	3/4	208	600	3/4	208			
S-LOC 7	880	1	488	880	1	488	880	1 1/4	488	880	1 1/2	488			
CIRCLING	940	1	542	940	1	542	940	1 1/2	542	980	2	582			

NOTES:
 CHART NOTE: ADF REQUIRED.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON MGM VORTAC AIRWAY RADIALS 126 CW 226.
 CHART NOTE: VDP NA WHEN USING MONTGOMERY RGNL (DANNELLY FIELD) ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTGOMERY RGNL (DANNELLY FIELD)
 SEE 8260-10

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

CITY AND STATE	ELEVATION: 398 TDZE: 392	FACILITY IDENTIFIER: I-TOI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TROY, AL	AIRPORT NAME: TROY MUNI		ILS OR LOC RWY 7, AMDT 9 29 JUL 2010	AMDT: 8
				DATED 01/15/2009

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.

ALTIMETER SETTING AND INCREASE ALL DA TO 701 AND ALL MDA 120 FEET; INCREASE S-ILS 7 VISIBILITY ALL CATS 1/4 MILE, S-LOC 7 CATS C/D VISIBILITY 1/2 MILE AND CIRCLING CATS C/D 1/4 MILE.

QUALITY
1
CHECKED

CITY AND STATE

TROY, AL

ELEVATION: 398 TDZE: 392

AIRPORT NAME:

TROY MUNI

FACILITY
IDENTIFIER:

I-TOI

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 7, AMDT 9
29 JUL 2010

SUP:

AMDT: 8

DATED: 01/15/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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	
RUTTO (IAF)	ZAXEM (NOPT) (FB)	160.35 / 5.00	2600	LPV: DA LNAV/VNAV: DA LNAV: RW07 CLIMB TO 3000 DIRECT PABSE AND TRACK 116.59 TO BANBI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 331.00 INBOUND. CHART FAS OBST: 477 TREE 315136N/0860122W CHART FAS OBST: 669 TREE 315040N/0860548W 743 AAO 315044N/0860705W CHART ASR/PAR CHART A-211. DISTANCE TO THLD FROM 208 HAT: 0.49 NM. CHART VDP AT 1.50 MILES TO RW07** *LNAV ONLY. WAAS CHANNEL # 82006 REFERENCE PATH ID: W07A
PICIT (IAF)	ZAXEM (NOPT) (FB)	340.39 / 5.00	2600	
ZAXEM (IF/IAF)	UCASI (FB)	070.37 / 6.10	2000	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD W ZAXEM, RT, 070.37 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
- FAC: 070.43 FAF: UCASI DIST FAF TO MAP: 4.82 THLD: 4.82
- MIN. ALT: ZAXEM 2600, UCASI 2000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2000 GS ALT AT: UCASI 2000 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 54.4 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 1W EPOCH YEAR: 1990

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	600	3/4	208	600	3/4	208	600	3/4	208	600	3/4	208			
LNAV/VNAV DA	727	1 1/4	335	727	1 1/4	335	727	1 1/4	335	727	1 1/4	335			
LNAV MDA	920	1	528	920	1	528	920	1 1/2	528	920	1 3/4	528			
CIRCLING	940	1	542	940	1	542	940	1 1/2	542	980	2	582			

NOTES:
 CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTGOMERY RGNL (DANNELLY FIELD)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
1
CHECKED

CITY AND STATE <u>TROY, AL</u>		ELEVATION: 398 TDZE: 392 AIRPORT NAME: <u>TROY MUNI</u>	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 1 29 JUL 2010	SUP: AMDT: ORIG DATED 01/15/2009

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

ALTIMETER SETTING AND INCREASE ALL DA 101 FEET, AND ALL MDA 120 FEET; INCREASE LPV AND LNAV/VNAV

ALL CATS VISIBILITY 1/4 MILE, LNAV AND CIRCLING VISIBILITY CATS C AND D 1/4 MILE.

CHART NOTE: VDP AND BARO-VNAV NA WHEN USING MONTGOMERY RGNL (DANNELLY FIELD) ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	340/30 CW 160/30 (NOPT)	ZAXEM (IF/IAF) (FB)	2600
2.	160/30 CW 250/30	160/5 CW 250/5	3500
	160/5 CW 250/5	RUTTO (IAF) (FB)	2600
3.	250/30 CW 340/30	PICIT (IAF) (FB)	2600

QUALITY
1
CHECKED

CITY AND STATE

TROY, AL

ELEVATION: 398 TDZE: 392

AIRPORT NAME:

TROY MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 01/15/2009

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTOI
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	315131.4900N
LTP/FTP LONGITUDE	0860118.8000W
LTP/FTP ELLIPSOIDAL HEIGHT	+00918
FPAP LATITUDE	315148.8600N
FPAP LONGITUDE	0860024.4100W
THRESHOLD CROSSING HEIGHT (TCH)	00054.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	80.00
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

BC62D9E3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01185
FPAP ORTHOMETRIC HEIGHT	+01185

QUALITY
1
CHECKED

CITY AND STATE TROY, AL	ELEVATION: 398 TDZE: 392	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: TROY MUNI			AMDT: ORIG
	DATED: 01/15/2009			

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KTOIK7FR07	APICIT	010PICITK7EA0E	A	IF						18000		A JS	
SUSAP KTOIK7FR07	APICIT	020ZAXEMK7EA0EE	B	010TF		34040050		+ 02600				A JS	
SUSAP KTOIK7FR07	ARUTTO	010RUTTOK7EA0E	A	IF						18000		A JS	
SUSAP KTOIK7FR07	ARUTTO	020ZAXEMK7EA0EE	B	010TF		16040050		+ 02600				A JS	
SUSAP KTOIK7FR07	AZAXEM	010ZAXEMK7EA0EE	AR	HF		07040040		+ 02600		18000		A JS	
SUSAP KTOIK7FR07	R	010ZAXEMK7EA0E	I	IF				+ 02600		18000		A JS	
SUSAP KTOIK7FR07	R	020UCASIK7EA1E	F	051TF		07040061		+ 02000				A JS	
SUSAP KTOIK7FR07	R	020UCASIK7EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KTOIK7FR07	R	030RW07 K7PG0GY	M	031TF		07040048		00443		-300		A JS	
SUSAP KTOIK7FR07	R	040	0	M 010CA		0704		+ 00600				A JS	
SUSAP KTOIK7FR07	R	050PABSEK7EA0E		010DF								A JS	
SUSAP KTOIK7FR07	R	060BANBIK7EA0EY		010TF		1166		+ 03000				A JS	
SUSAP KTOIK7FR07	R	070BANBIK7EA0EE		R020HM		33100040		+ 03000				A JS	

[illegible]

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

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[illegible]

QUALITY
CHECK 4

CITY AND STATE TROY, AL	ELEVATION: 398 TDZE: 392 AIRPORT NAME: TROY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 01/15/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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		
RACOK (IAF)	FEPEN (NOPT) (FB)	340.63 / 5.00	2600	LNAV: RW25 CLIMB TO 3000 DIRECT ZAXEM AND LEFT TURN ON TRACK 139.00 TO ESUNE AND TRACK 063.40 TO BANBI AND HOLD.	
SALUE (IAF)	FEPEN (NOPT) (FB)	160.59 / 5.00	2600		
FEPEN (IF/IAF)	PABSE (FB)	250.61 / 6.15	2200		
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 331.00 INBOUND. CHART FAS OBST: 579 TREE 315338N/0855721W CHART A-211. PABSE TO RW25: 3.04/45. CHART ASR/PAR	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E FEPEN, RT, 250.61 INBOUND, 2600 FT. IN LIEU OF PT (IAF)
- FAC: 250.53 FAF: PABSE DIST FAF TO MAP: 5.45 THLD: 5.45
- MIN. ALT: FEPEN 2600, PABSE 2200, JANVU/3.00 NM TO RW25 1400
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 1W EPOCH YEAR: 1990

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	840	1	446	840	1	446	840	1 1/4	446	840	1 1/2	446			
CIRCLING	940	1	542	940	1	542	940	1 1/2	542	980	2	582			

NOTES:
 CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT.
 CHART NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 25 PROCEDURE NA AT NIGHT.
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
CHECKED

CITY AND STATE TROY, AL	ELEVATION: 398 TDZE: 394 AIRPORT NAME: TROY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010	SUP: AMDT: ORIG DATED 02/14/2008

**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 NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTGOMERY RGNL (DANNELLY FIELD)

ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET; INCREASE LNAV AND CIRCLING VISIBILITY CATS C AND D 1/4 MILE.

TAA

	FROM	TO	ALT
1.	161/30 CW 341/30 (NOPT)	FEPEN (IF/IAF) (FB)	2600
2.	341/30 CW 071/30	RACOK (IAF) (FB)	2600
3.	071/30 CW 161/30	071/10 CW 161/10	3500
	071/10 CW 161/10	SALUE (IAF) (FB)	2600

QUALITY
CHECKED

CITY AND STATE

TROY, AL

ELEVATION: 398

TDZE: 394

AIRPORT NAME:

TROY MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 02/14/2008

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

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

ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAEAENRT	BANBI K70	C	L	N31500430W085453530				NAR		BANBI		
	SUSAEAENRT	ESUNE K70	W		N31405434W086061101				NAR		ESUNE		
	SUSAEAENRT	FEPEN K70	W		N31555155W085474170				NAR		FEPEN		
	SUSAEAENRT	JANVU K70	W		N31525096W085570985				NAR		JANVU		
	SUSAEAENRT	PABSE K70	W		N31534247W085542820				NAR		PABSE		
	SUSAEAENRT	RACOK K70	W		N31510973W085453898				NAR		RACOK		
	SUSAEAENRT	SALUE K70	W		N32003333W085494463				NAR		SALUE		
	SUSAEAENRT	ZAXEM K70	W		N31474076W086131880				NAR		ZAXEM		

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KTOIK7ATOI	0	050YHN31513750W086004370W001000398					1800018000C	MNAR	TROY MUNI			

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KTOIK7FR25	AFEPEN 010FEPENK7EA0EE AR	HF					25060040	+ 02600	18000		B JS	
	SUSAP KTOIK7FR25	ARACOK 010RACOKK7EA0E A	IF							18000		B JS	
	SUSAP KTOIK7FR25	ARACOK 020FEPENK7EA0EE B 010TF						34060050	+ 02600			B JS	
	SUSAP KTOIK7FR25	ASALUE 010SALUEK7EA0E A	IF							18000		B JS	
	SUSAP KTOIK7FR25	ASALUE 020FEPENK7EA0EE B 010TF						16060050	+ 02600			B JS	
	SUSAP KTOIK7FR25	R 010FEPENK7EA0E I	IF						+ 02600	18000		B JS	
	SUSAP KTOIK7FR25	R 020PABSEK7EA1E F 051TF						25060062	+ 02200			B JS	
	SUSAP KTOIK7FR25	R 020PABSEK7EA2WN		N	ALNAV							JS	
	SUSAP KTOIK7FR25	R 021JANVUK7EA0E S 031TF						25050025	V 0140001415	-304		B JS	
	SUSAP KTOIK7FR25	R 030RW25 K7PG0GY M 031TF						25050030	00439	-304		B JS	
	SUSAP KTOIK7FR25	R 040 0 M 010CA						2505	+ 00798			B JS	
	SUSAP KTOIK7FR25	R 050ZAXEMK7EA0E 010DF										B JS	
	SUSAP KTOIK7FR25	R 060ESUNEK7EA0E L010TFY						1390				B JS	
	SUSAP KTOIK7FR25	R 070BANBIK7EA0EY 010TF						0634	+ 03000			B JS	
	SUSAP KTOIK7FR25	R 080BANBIK7EA0EE R020HM						33100040	+ 03000			B JS	

QUALITY
CHECKED

CITY AND STATE TROY, AL	ELEVATION: 398 TDZE: 394	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: TROY MUNI			AMDT: ORIG
	DATED: 02/14/2008			

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

QUALITY
4
CHECKED

CITY AND STATE TROY, AL	ELEVATION: 398 TDZE: 394 AIRPORT NAME: TROY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 02/14/2008

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW17 CLIMBING LEFT TURN TO 2600 DIRECT HOOTS AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 599 TREE 335058N/0880717W HARNN TO RW17: 3.04/40. CHART COLUMBUS 1 MOA CHART COLUMBUS AFB ATIS								
WIDUR (IAF)	HOOTS (NOPT) (FB)	077.52 / 5.00	2600									
JUPSI (IAF)	HOOTS (NOPT) (FB)	257.62 / 5.00	2600									
HOOTS (IF/IAF)	HARNN (FB)	167.57 / 6.10	2100									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N HOOTS, RT, 167.57 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC: 167.59 FAF: HARNN _____ DIST FAF TO MAP: 4.95 THLD: 4.95 4. MIN. ALT: HOOTS 2600, HARNN 2100, MUFFN/1.70 NM TO RW17 1040 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: _____				MAG VAR: 2W EPOCH YEAR: 2010								
MINIMUMS												
TAKEOFF: ☐ STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N/A ☒												
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	960	1	497	960	1	497	960	1 1/4	497	960	1 1/2	497
CIRCLING	1100	1	637	1100	1	637	1100	1 3/4	637	1100	2	637
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: USE COLUMBUS AFB ALTIMETER SETTING; WHEN NOT RECEIVED, USE GOLDEN TRIANGLE RGNL ALTIMETER SETTING AND INCREASE ALL MDA 40 FT. LNAV CAT D VISIBILITY 1/4 MILE.												
CITY AND STATE		ELEVATION: 463 TDZE: 463		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:				
VERNON, AL		AIRPORT NAME: LAMAR COUNTY		RNAV		RNAV (GPS) RWY 17, ORIG 29 JUL 2010		AMDT: NONE				
								DATED				



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

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

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	078/30 CW 258/30 (NOPT)	HOOTS (IF/IAF) (FB)	2600
2.	258/30 CW 348/30	JUPSI (IAF) (FB)	2600
3.	348/30 CW 078/30	WIDUR (IAF) (FB)	2600

CITY AND STATE

VERNON, AL

ELEVATION: 463 TDZE: 463

AIRPORT NAME:

LAMAR COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, ORIG
29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

QUALITY
A
CHECKED

CITY AND STATE VERNON, AL	ELEVATION: 463 TDZE: 463 AIRPORT NAME: LAMAR COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG 29 JUL 2010	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		
WENPO (IAF)	IXMIX (NOPT) (FB)	077.58 / 5.00	2400	LNAV: RW35	
YIKUL (IAF)	IXMIX (NOPT) (FB)	257.68 / 5.00	2400	CLIMBING RIGHT TURN TO 2400 DIRECT IXMIX AND HOLD.	
IXMIX (IF/IAF)	HOTOW (FB)	347.63 / 6.10	2100	ADDITIONAL FLIGHT DATA: CHART FAS OBST: 659 TREE 335007N/0880641W CHART COLUMBUS 1 MOA. HOTOW TO RW35: 3.04/40. CHART COLUMBUS AFB ATIS	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S IXMIX, RT, 347.63 INBOUND, 2400 FT. IN LIEU OF PT (IAF)
- FAC: 347.61 FAF: HOTOW DIST FAF TO MAP: 4.97 THLD: 4.97
- MIN. ALT: IXMIX 2400, HOTOW 2100, JIVAR/2.00 NM TO RW35 1120
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 2W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	☒											
CATEGORY	=====>	A			B			C			D			E			
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA		1000	1	537	1000	1	537	1000	1 1/2	537	1000	1 3/4	537				
CIRCLING		1100	1	637	1100	1	637	1100	1 3/4	637	1100	2	637				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: USE COLUMBUS AFB ALTIMETER SETTING; WHEN NOT RECEIVED USE GOLDEN TRIANGLE RGNL
ALTIMETER SETTING AND INCREASE ALL MDA 40 FT AND CIRCLING CATS C/D VISIBILITY 1/4 MILE.

CITY AND STATE VERNON, AL	ELEVATION: 463 TDZE: 463 AIRPORT NAME: LAMAR COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED



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

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

TAA

	FROM	TO	ALT
1.	258/30 CW 078/30 (NOPT)	IXMIX (IF/IAF) (FB)	2400
2.	078/30 CW 168/30	WENPO (IAF) (FB)	2400
3.	168/30 CW 258/30	YIKUL (IAF) (FB)	2400

QUALITY
A
CHECKED

CITY AND STATE
VERNON, AL

ELEVATION: 463 TDZE: 463
AIRPORT NAME:
LAMAR COUNTY

FACILITY
IDENTIFIER:
RNAV

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

SUP:
AMDT: NONE
DATED:

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

[illegible]

QUALITY
4
CHECKED

CITY AND STATE VERNON, AL	ELEVATION: 463 TDZE: 463 AIRPORT NAME: LAMAR COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HAB VORTAC (IAF)	DROIT/HAB 9.00 DME	191.83 / 9.00	2400
IVMEC/HAB 9.00 DME CW (IAF)	DROIT/HAB 9.00 DME	9.00 DME ARC	2400
IXBOL/HAB 9.00 DME CCW (IAF)	DROIT/HAB 9.00 DME	9.00 DME ARC	2400
DROIT/HAB 9.00 DME (IF)	SULKY/HAB 15.00 DME	191.83 / 6.00 (HAB R-192)	2200

MISSED APPROACH

MAP: MAGC/HAB 21.00 DME FIX

CLIMBING LEFT TURN TO 2200 VIA HAB VORTAC R-192 TO SULKY/HAB 15.00 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, LT, 192.00 INBOUND.
 CHART FAS OBST: 729 TOWER 335330N/0880621W
 779 AAO 335323N/0880403W.
 CHART COLUMBUS 1 MOA.
 CHART HAB R-293 AT IXBOL.
 CHART HAB R-117 AT IVMEC.
 FAC CROSSES MIDPOINT OF RWY 17-35.
 CHART COLUMBUS AFB ATIS.

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. **PROFILE STARTS AT DROIT/HAB 9.00 DME**
 3. FAC 191.83 FAF SULKY/HAB 15.00 DME DIST FAF TO MAP THLD
 4. MIN. ALT DROIT 2400, SULKY 2200, JELCY/HAB 19.00 DME 1320
 8. MSA FROM: **HAB VORTAC 2700**

MAG VAR: 2E

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			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
CIRCLING	1100	1	637	1100	1 1/4	637	1100	1 3/4	637	1100	2	637							

NOTES:

CHART NOTE: USE COLUMBUS AFB ALTIMETER SETTING; WHEN NOT RECEIVED USE GOLDEN TRIANGLE RGNL ALTIMETER SETTING AND INCREASE ALL MDA 40 FT AND CAT C/D VISIBILITY 1/4 MILE.

QUALITY
CHECKED

CITY AND STATE VERNON, AL	ELEVATION: 463 TDZE: AIRPORT NAME: LAMAR COUNTY	FACILITY IDENTIFIER: HAB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME-A, AMDT 3 29 JUL 2010	SUP AMDT 2 DATE 09/28/2006

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: I-BYH 2.20 DME FIX CLIMB TO 2000 THEN LEFT TURN VIA HEADING 320 AND I-BYH NORTH COURSE TO GURLY/I-BYH 7.45 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2000 THEN LEFT TURN DIRECT GOJ VOR AND HOLD. ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N, GOJ VOR, RT, 174.37 INBOUND. CHART FAS OBST: 359 TREE 355923N/0895651W CHART IN PLANVIEW: GOJ VOR. CHART IN PLANVIEW: USE OF DYR R-273 AND GOJ R-358 MAY BE NECESSARY TO LOCATE GURLY.											
DYR VORTAC	GURLY/I-BYH 7.45 DME	272.72 / 30.62	2000												
MAW VORTAC (IAF)	OLVEE/I-BYH 15.00 DME (NOPT)	181.17 / 21.70	2000												
OLVEE/I-BYH 15.00 DME (IF)	GURLY/I-BYH 7.45 DME	179.00 / 7.55	2000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 1E EPOCH YEAR: 1995											
2. HOLD N GURLY, RT, 179.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF)															
3. FAC: <u>179.00</u> FAF: <u>GURLY/I-BYH 7.45 DME</u> DIST FAF TO MAP: <u> </u> THLD: <u>5.25</u>															
4. MIN. ALT: <u>GURLY 2000, HUFVE/I-BYH 3.60 DME 740*</u>															
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u>1050</u>															
6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>GURLY/I-BYH 7.45 DME 2000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u>															
7. GS ANGLE: <u>3.00</u> TCH: <u>54.0</u>															
8. MSA FROM: <u>GOJ VOR 2300</u>															
MINIMUMS															
TAKEOFF:	☐ STANDARD	☒ 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
S-ILS 18	450	3/4	200	450	3/4	200	450	3/4	200	450	3/4	200			
S-LOC 18	620	1	370	620	1	370	620	1	370	620	1 1/4	370			
CIRCLING	700	1	446	720	1	466	720	1 1/2	466	820	2	566			
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: CIRCLING NA E OF RWY 18-36. *LOC ONLY CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE BLYTHEVILLE MUNI SEE 8260-10															
CITY AND STATE		ELEVATION: 254 TDZE: 250		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP: ILS RWY 18							
BLYTHEVILLE, AR		AIRPORT NAME:		I-BYH		ILS OR LOC/DME RWY 18, AMDT 1		AMDT: ORIG							
		ARKANSAS INTL				29 JUL 2010		DATED 09/28/2006							

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.

ALTIMETER SETTING AND INCREASE ALL DA 14 FEET AND ALL MDA 20 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAW VORTAC ON AIRWAY RADIALS 198 CW 239.

CHART PLANVIEW NOTE: DME REQUIRED.

CITY AND STATE

BLYTHEVILLE, AR

ELEVATION: 254 TDZE: 250

AIRPORT NAME:

ARKANSAS INTL

FACILITY
IDENTIFIER:

I-BYH

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 18, AMDT 1

29 JUL 2010

SUP: ILS RWY 18

AMDT: ORIG

DATED: 09/28/2006

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 2500 DIRECT HABSI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 359.00 INBOUND. CHART FAS OBST: 364 TREE 355934N/0895713W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. WAAS CHANNEL # 58306 REFERENCE PATH ID: W18A								
ELULE (IAF)	CEDVA (NOPT) (FB)	269.06 / 5.00	2500									
FALIL (IAF)	CEDVA (NOPT) (FB)	088.94 / 5.00	2500									
CEDVA (IF/IAF)	GURLY (FB)	179.00 / 6.01	2000									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N CEDVA, RT, 179.00 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>179.00</u> FAF: <u>GURLY</u> DIST FAF TO MAP: <u>5.25</u> THLD: <u>5.25</u> 4. MIN. ALT: <u>CEDVA 2500, GURLY 2000, HUFVE/1.40 NM TO RW18 740*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>GURLY 2000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.0</u> 34:1 IS CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 1E EPOCH YEAR: 1995								
MINIMUMS												
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	450	3/4	200	450	3/4	200	450	3/4	200	450	3/4	200
LNAV/VNAV DA	665	1 1/2	415	665	1 1/2	415	665	1 1/2	415	665	1 1/2	415
LNAV MDA	620	1	370	620	1	370	620	1	370	620	1 1/4	370
CIRCLING	700	1	446	720	1	466	720	1 1/2	466	820	2	566
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: CIRCLING NA E OF RWY 18-36. CHART NOTE: BARO-VNAV NA WHEN USING BLYTHEVILLE MUNI ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). SEE 8260-10												
CITY AND STATE			ELEVATION: 254 TDZE: 250		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:		
BLYTHEVILLE, AR			AIRPORT NAME:				RNAV (GPS) RWY 18, AMDT 2			AMDT: 1		
			ARKANSAS INTL				29 JUL 2010			DATED 04/10/2008		

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART NOTE: DME/DME RNP-0.3 NA.

*LNAV ONLY

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

ALTIMETER SETTING AND INCREASE ALL DA 14 FEET AND ALL MDA 20 FEET.

TAA

	FROM	TO	ALT
1.	089/30 CW 269/30 (NOPT)	CEDVA (IF/IAF) (FB)	2500
2.	269/30 CW 359/30	ELULE (IAF) (FB)	2500
3.	359/30 CW 089/30	FALIL (IAF) (FB)	2500

CITY AND STATE

BLYTHEVILLE, AR

ELEVATION: 254

TDZE: 250

AIRPORT NAME:

ARKANSAS INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 2

29 JUL 2010

SUP:

AMDT:

1

DATED:

04/10/2008

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBYH
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	355849.0015N
LTP/FTP LONGITUDE	0895638.2330W
LTP/FTP ELLIPSOIDAL HEIGHT	+00481
FPAP LATITUDE	355646.4500N
FPAP LONGITUDE	0895638.2300W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	107.00
LENGTH OFFSET	0240
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	A5C49064

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00763
FPAP ORTHOMETRIC HEIGHT	+00763

CITY AND STATE BLYTHEVILLE, AR	ELEVATION: 254 TDZE: 250 AIRPORT NAME: ARKANSAS INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 2 29 JUL 2010	SUP:
				AMDT: 1
				DATED: 04/10/2008

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBYHK4FR18	ACEDVA	010CEDVAK3EA0EE	AR	HF			17900060	+	02500	18000		A	JS
SUSAP KBYHK4FR18	AELULE	010ELULEK3EA0E	A	IF						18000		A	JS
SUSAP KBYHK4FR18	AELULE	020CEDVAK3EA0EE	B	010TF			26910050	+	02500			A	JS
SUSAP KBYHK4FR18	AFALIL	010FALILK3EA0E	A	IF						18000		A	JS
SUSAP KBYHK4FR18	AFALIL	020CEDVAK3EA0EE	B	010TF			08890050	+	02500			A	JS
SUSAP KBYHK4FR18	R	010CEDVAK3EA0E	I	IF				+	02500	18000		A	JS
SUSAP KBYHK4FR18	R	020GURLYK3EA1E	F	051TF			17900060	+	02000			A	JS
SUSAP KBYHK4FR18	R	020GURLYK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KBYHK4FR18	R	021HUFVEK3EA0E	S	031TF			17900039	V	0074000752		-300	A	JS
SUSAP KBYHK4FR18	R	030RW18	K4PG0GY	M	031TF		17900014		00304		-300	A	JS
SUSAP KBYHK4FR18	R	040		M	010CA		1790	+	00450			A	JS
SUSAP KBYHK4FR18	R	050HABSIK4EA0EY		010DF				+	02500			A	JS
SUSAP KBYHK4FR18	R	060HABSIK4EA0EE		R020HM			35900060	+	02500			A	JS

[illegible]

QUALITY
4
CHECKED

CITY AND STATE BLYTHEVILLE, AR	ELEVATION: 254 TDZE: 250 AIRPORT NAME: ARKANSAS INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 2 29 JUL 2010	SUP:
				AMDT: 1
				DATED: 04/10/2008

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

[illegible]

SUP:	
AMDT:	1
DATED:	04/10/2008

PAGE 5 OF 5 PAGES

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 2500 DIRECT CEDVA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 179.00 INBOUND. CHART FAS OBST: 359 TREE 355552N/0895553W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. WAAS CHANNEL # 78318 REFERENCE PATH ID: W36A											
JAKDA (IAF)	HABSI (NOPT) (FB)	269.06 / 5.00	2500												
MOMAE (IAF)	HABSI (NOPT) (FB)	088.94 / 5.00	2500												
HABSI (IF/IAF)	GENRE (FB)	359.00 / 6.01	2000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S HABSI, RT, 359.00 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>359.00</u> FAF: <u>GENRE</u> DIST FAF TO MAP: <u>5.25</u> THLD: <u>5.25</u> 4. MIN. ALT: <u>HABSI 2500, GENRE 2000, TETOE/1.40 NM TO RW36 740*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>GENRE 2000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>51.0</u> <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u> </u>				MAG VAR: 1E EPOCH YEAR: 1995											
MINIMUMS															
TAKEOFF: <u> </u>	☐ STANDARD	☒ 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
LPV DA	504	1	250	504	1	250	504	1	250	504	1	250			
LNAV/VNAV DA	822	2	568	822	2	568	822	2	568	822	2	568			
LNAV MDA	620	1	366	620	1	366	620	1	366	620	1 1/4	366			
CIRCLING	700	1	446	720	1	466	720	1 1/2	466	820	2	566			
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: CIRCLING NA EAST OF RWY 18-36. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 254 TDZE: 254		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BLYTHEVILLE, AR		AIRPORT NAME:				RNAV (GPS) RWY 36, AMDT 2				AMDT: 1					
		ARKANSAS INTL				29 JUL 2010				DATED 04/10/2008					

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

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

NOTES CONT.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

*LNAV ONLY

CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF; WHEN NOT RECEIVED, USE BLYTHEVILLE MUNI
ALTIMETER SETTING AND INCREASE ALL DA 14 FEET AND ALL MDA 20 FEET.

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

TAA

	FROM	TO	ALT
1.	269/30 CW 089/30 (NOPT)	HABSI (IF/IAF) (FB)	2500
2.	089/30 CW 179/30	MOMAE (IAF) (FB)	2500
3.	179/30 CW 269/30	JAKDA (IAF) (FB)	2500

CITY AND STATE

BLYTHEVILLE, AR

ELEVATION: 254 TDZE: 254

AIRPORT NAME:

ARKANSAS INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 2

29 JUL 2010

SUP:

AMDT: 1

DATED: 04/10/2008

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBYH
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	355654.2740N
LTP/FTP LONGITUDE	0895638.2375W
LTP/FTP ELLIPSOIDAL HEIGHT	+00487
FPAP LATITUDE	355849.0000N
FPAP LONGITUDE	0895638.2300W
THRESHOLD CROSSING HEIGHT (TCH)	00051.0
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

9EAC401A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00768
FPAP ORTHOMETRIC HEIGHT	+00768

CITY AND STATE

BLYTHEVILLE, AR

ELEVATION: 254 TDZE: 254

AIRPORT NAME:

ARKANSAS INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 2

29 JUL 2010

SUP:

AMDT: 1

DATED: 04/10/2008

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

[illegible][illegible]

QUALITY
4
CHECKED

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

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 BLYTHEVILLE, AR	ELEVATION: 254 TDZE: 254 AIRPORT NAME: ARKANSAS INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 2 29 JUL 2010	SUP:
				AMDT: 1
				DATED: 04/10/2008

PAGE 5 OF 5 PAGES

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW09 CLIMB TO 2500 DIRECT NOLRE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 268.22 INBOUND. CHART FAS OBST: 403 TOWER 344746N/0914443W FAS OBST: 449 AAO 344926N/0914917W DISTANCE TO THLD FROM 286 HAT: 0.75 NM. WAAS CHANNEL # 93918 REFERENCE PATH ID: W09A CHART STUTTGART AWOS-3.											
DUMPI (IAF)	CIVAY (NOPT) (FB)	174.75 / 7.72	2500												
QITXO (IAF)	CIVAY (NOPT) (FB)	351.72 / 8.84	2500												
CIVAY (IF/IAF)	TAXJU (FB)	087.97 / 6.20	2000												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD W CIVAY, RT, 087.97 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>088.04</u> FAF: <u>TAXJU</u> DIST FAF TO MAP: <u>5.30</u> THLD: <u>5.30</u> 4. MIN. ALT: <u>CIVAY 2500, TAXJU 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>TAXJU 2000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>48.4</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW09 2500</u>				MAG VAR: 3E EPOCH YEAR: 1985											
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	526	1	286	526	1	286		NA			NA				
LNAV/VNAV DA	788	2	548	788	2	548		NA			NA				
LNAV MDA	780	1	540	780	1	540		NA			NA				
CIRCLING	840	1	599	840	1	599		NA			NA				
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: USE STUTTGART ALTIMETER SETTING; WHEN NOT RECEIVED, USE LITTLE ROCK ADAMS FIELD SEE 8260-10															
CITY AND STATE				ELEVATION: 241 TDZE: 240		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
CARLISLE, AR				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 9, AMDT 1				AMDT: ORIG			
				CARLISLE MUNI				29 JUL 2010				DATED 06/05/2008			

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

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

NOTES CONT.

ALTIMETER SETTING AND INCREASE ALL DA 27 FEET AND ALL MDA 40 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DUMPI ON V305 NORTHEAST BOUND.

QUALITY
5
CHECKED

CITY AND STATE

CARLISLE, AR

ELEVATION: 241 TDZE: 240

AIRPORT NAME:

CARLISLE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 06/05/2008

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE
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
4M3
RW09
0
0
W09A
344821.7770N
0914321.0020W
+00460
344820.0500N
0914132.8200W
00048.4
F
03.00
106.75
1376
40.0
50.0

CRC REMAINDER

BB10098B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K4
+00728
+00728

QUALITY
5
CHECKED

CITY AND STATE
CARLISLE, AR

ELEVATION: 241 TDZE: 240
AIRPORT NAME:
CARLISLE MUNI

FACILITY
IDENTIFIER:
RNAV

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

SUP:
AMDT: ORIG
DATED: 06/05/2008

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

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

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

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

SUSAP 4M3 K4GRW09	0045010881 N34482178W091432100+0000				+0046000239000048075R								

[illegible]

4
CHECKED

CITY AND STATE
CARLISLE, AR

ELEVATION: 241 TDZE: 240
AIRPORT NAME:
CARLISLE MUNI

FACILITY IDENTIFIER:
RNAV

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

SUP:	
AMDT:	ORIG
DATED:	06/05/2008

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

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

SUSAP 4M3 K4PR09 RW09 002E +00728+00728LPV 93918

[illegible]

QUALITY
&
CHECKED

CITY AND STATE
CARLISLE, AR

ELEVATION: 241 TDZE: 240
AIRPORT NAME:
CARLISLE MUNI

FACILITY IDENTIFIER:
RNAV

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

SUP:	
AMDT:	ORIG
DATED:	06/05/2008

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

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

TERMINAL ROUTES										MISSED APPROACH						
FROM		TO			COURSE AND DISTANCE			ALTITUDE		LNAV: RW18						
UJM VOR/DME		HESMO (FB)			356.42 / 23.90			1900		CLIMB TO 1900 DIRECT HEMBU AND HOLD.						
AGOTE		JITGA (FB)			063.90 / 7.74			1900								
GQE VOR/DME (IAF)		FOVIS (NOPT) (FB)			215.97 / 27.53			1900								
HESMO (IAF)		FOVIS (NOPT) (FB)			271.02 / 5.00			1900								
JITGA (IAF)		FOVIS (NOPT) (FB)			090.90 / 5.00			1900								
FOVIS (IF/IAF)		JERSA (FB)			180.96 / 6.10			1900		ADDITIONAL FLIGHT DATA: HOLD S, RT, 000.96 INBOUND. CHART FAS OBST: 334 TREE 344828N/0904858W JERSA TO RW18: 3.04/45.						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. HOLD N FOVIS, RT, 180.96 INBOUND, 1900 FT. IN LIEU OF PT (IAF)																
3. FAC: 180.96 FAF: JERSA _____ DIST FAF TO MAP: 5.07 THLD: 5.07																
4. MIN. ALT: FOVIS 1900, JERSA 1900, COPUN/2.00 NM TO RW18 900																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																
8. MSA FROM: RW18 1900																
MAG VAR: 0W EPOCH YEAR: 2010																
MINIMUMS																
TAKEOFF: ☐ STANDARD ☒ X SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ☐ X																
CATEGORY =====>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA		660	1	441	660	1	441	660	1 1/4	441	660	1 1/2	441			
CIRCLING		700	1	481	700	1	481	700	1 1/2	481	940	2 1/4	721			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: USE TUNICA ALTIMETER SETTING; WHEN NOT RECEIVED USE WEST MEMPHIS ALTIMETER SETTING AND SEE 8260-10																
CITY AND STATE		ELEVATION: 219 TDZE: 219					FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 29 JUL 2010					SUP: NONE		
MARIANNA, AR		MARIANNA/LEE COUNTY-STEVE EDWARDS FIELD												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.**INCREASE ALL MDA 40 FEET AND CIRCLING CAT D VISIBILITY 1/4 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GQE VOR/DME VIA V124 NORTHEAST BOUND.**

CITY AND STATE

MARIANNA, AR

ELEVATION: 219 TDZE: 219

AIRPORT NAME:

MARIANNA/LEE COUNTY-STEVE EDWARDS
FIELDFACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 6M7 K4FR18	AAGOTE	010AGOTEK4EA0E	IF							18000		B JS	
SUSAP 6M7 K4FR18	AAGOTE	020JITGAK4EA0E	A 020TF			06390077		+ 01900				B JS	
SUSAP 6M7 K4FR18	AAGOTE	030FOVISK4EA0EE	B 010TF			09090050		+ 01900				B JS	
SUSAP 6M7 K4FR18	AFOVIS	010FOVISK4EA0EE	AR HF			18100040		+ 01900		18000		B JS	
SUSAP 6M7 K4FR18	AGQE	010GQE K4D 0V	A IF							18000		B JS	
SUSAP 6M7 K4FR18	AGQE	020FOVISK4EA0EE	B 010TF			21600275		+ 01900				B JS	
SUSAP 6M7 K4FR18	AUJM	010UJM K4D 0V	IF							18000		B JS	
SUSAP 6M7 K4FR18	AUJM	020HESMOK4EA0E	A 020TF			35640239		+ 01900				B JS	
SUSAP 6M7 K4FR18	AUJM	030FOVISK4EA0EE	B 010TF			27100050		+ 01900				B JS	
SUSAP 6M7 K4FR18	R	010FOVISK4EA0E	I IF					+ 01900		18000		B JS	
SUSAP 6M7 K4FR18	R	020JERSAK4EA1E	F 051TF			18100061		+ 01900			RW18 K4PGB	JS	
SUSAP 6M7 K4FR18	R	020JERSAK4EA2WN		N		ALNAV						JS	
SUSAP 6M7 K4FR18	R	021COPUNK4EA0E	S 031TF			18100031		V 0090000904		-304		B JS	
SUSAP 6M7 K4FR18	R	030RW18 K4PGOGY	M 031TF			18100020		00264		-304		B JS	

QUALITY
6
CHECKED

CITY AND STATE MARIANNA, AR	ELEVATION: 219 TDZE: 219 AIRPORT NAME: MARIANNA/LEE COUNTY-STEVE EDWARDS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

QUALITY
6
CHECKED

PAGE 4 OF 4 PAGES

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW36 CLIMB TO 1900 DIRECT FOVIS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 180.96 INBOUND. FAS OBST: 429 AAO 344323N/0904749W CIXIR TO RW36: 3.04/45.											
KIYEL	ZAZET (FB)	062.02 / 25.04	1900												
CARYA (IAF)	HEMBU (NOPT) (FB)	351.89 / 18.61	1900												
UJM VOR/DME (IAF)	HEMBU (NOPT) (FB)	277.81 / 6.97	1900												
ZAZET (IAF)	HEMBU (NOPT) (FB)	090.90 / 5.00	1900												
HEMBU (IF/IAF)	CIXIR (FB)	000.96 / 6.10	1900												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S HEMBU, RT, 000.96 INBOUND, 1900 FT. IN LIEU OF PT (IAF) 3. FAC: 000.96 FAF: CIXIR _____ DIST FAF TO MAP: 5.07 THLD: 5.07 4. MIN. ALT: HEMBU 1900, CIXIR 1900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW36 1900				MAG VAR: 0W EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	740	1	521	740	1	521	740	1 1/2	521	740	1 3/4	521			
CIRCLING	740	1	521	740	1	521	740	1 1/2	521	940	2 1/4	721			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART NOTE: USE TUNICA ALTIMETER SETTING; WHEN NOT RECEIVED USE WEST MEMPHIS ALTIMETER SETTING AND SEE 8260-10															
CITY AND STATE				ELEVATION: 219 TDZE: 219		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
MARIANNA, AR				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 36, ORIG				AMDT: NONE			
				MARIANNA/LEE COUNTY-STEVE EDWARDS FIELD				29 JUL 2010				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.

INCREASE ALL MDA 40 FEET AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT UJM VOR/DME VIA V54 EASTBOUND.

QUALITY
6
CHECKED

CITY AND STATE

MARIANNA, AR

ELEVATION: 219 TDZE: 219

AIRPORT NAME:

MARIANNA/LEE COUNTY-STEVE EDWARDS
FIELDFACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

QUALITY
6
CHECKED

CITY AND STATE MARIANNA, AR	ELEVATION: 219 TDZE: 219 AIRPORT NAME: MARIANNA/LEE COUNTY-STEVE EDWARDS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 29 JUL 2010	SUP:	
				AMDT:	NONE
				DATED:	

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

SUSAP 6M7 K4GRW36 0040200010 N34463803W090483627+0000 +0039900219000045075R

SUSAP 6M7 K4SRW36 K4PG 0 18018001925

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, NUMEROUS POLES BEGINNING 85' FROM DER, 372' RIGHT OF CENTERLINE, UP TO 52' AGL/269' MSL. TREES 1161' FROM DER, 530' RIGHT OF CENTERLINE, UP TO 63' AGL/280' MSL.

NOTE: RWY 36, TREES BEGINNING AT DER, 483' LEFT OF CENTERLINE, UP TO 55' AGL/276' MSL. TREES 717' FROM DER, 682' RIGHT OF CENTERLINE, UP TO 52' AGL/266' MSL.

(4) CONTROLLING OBSTACLES:



(5) City, State

MARIANNA, AR

(6) Airport

MARIANNA/LEE COUNTY-STEVE EDWARDS FIELD

(7) Effective Date

29 JUL 2010

(8) Amdt. No.

ORIG

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: I-BFL 1.29 DME FIX CLIMB TO 3000 VIA EHF VORTAC R-145 TO EHF VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 4000 VIA TTE VOR/DME R-172 INBOUND TO IVECU INT/TTE 15.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 143.64 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N IVECU INT/TTE 15.00 DME, RT, 172.30 INBOUND. FAS OBST: 689 AAO 352332N/1185929W CHART IN PLANVIEW: IVECU INT/TTE 15.00 DME. CHART OM IN HALF-TONE. CHART VDP AT 2.59 DME; *LOC ONLY. DISTANCE VDP TO THLD 1.30 MILES.								
EHF VORTAC		JUPEX/I-BFL 7.36 DME		125.39 / 9.85			3100										
GMN VORTAC (IAF)		LEBEC INT/GMN 13.61 DME (NOPT)		343.99 / 13.61			9000										
LEBEC INT/GMN 13.61 DME		FASTO INT/I-BFL 14.72 DME		343.99 / 14.44 (GMN R-344)			4500										
AMONT/I-BFL 22.15 DME (IAF)		FASTO INT/I-BFL 14.72 DME (NOPT)		301.32 / 7.43 (I-BFL)			4500										
FASTO INT/I-BFL 14.72 DME (IF)		JUPEX/I-BFL 7.36 DME		301.32 / 7.36 (I-BFL)			2500										
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE JUPEX, LT, 301.32 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: <u>301.32</u> FAF: JUPEX/I-BFL 7.36 DME DIST FAF TO MAP: <u> </u> THLD: <u>6.08</u> 4. MIN. ALT: JUPEX 2500 5. DIST TO THLD FROM OM: <u>6.08</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>923</u> 6. MIN GS INCPT: <u>2500</u> GS ALT AT: JUPEX/I-BFL 7.36 DME 2500 OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.7</u> 8. MSA FROM: EHF VORTAC 360-150 8800, 150-360 3700										MAG VAR: 14E EPOCH YEAR: 1985							
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 30R	693	1800	200	693	1800	200	693	1800	200	693	1800	200					
S-LOC 30R	960	2400	467	960	2400	467	960	4000	467	960	5000	467					
CIRCLING	960	1	450	960	1	450	960	1 1/2	450	1060	2	550					
NOTES: CHART NOTE: CIRCLING NA NE OF RWY 12L-30R. CHART PROFILE NOTE: USE I-BFL DME WHEN ON THE LOCALIZER COURSE. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORTERVILLE ALTIMETER SETTING AND SEE 8260-10 # @ NA WHEN CONTROL TOWER CLOSED. # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.																	
CITY AND STATE				ELEVATION: 510 TDZE: 493				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
BAKERSFIELD, CA				AIRPORT NAME: MEADOWS FIELD				I-BFL				ILS OR LOC/DME RWY 30R, AMDT 30 29 JUL 2010				AMDT: 29	
																DATED 01/18/2007	

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

INCREASE ALL DA 92 FEET, MDA 100 FEET, AND INCREASE S-LOC-30R CAT C VISIBILITY TO RVR 5000 AND CAT D TO RVR 6000.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING PORTERVILLE ALTIMETER SETTING, INCREASE S-ILS 30R ALL CATS VISIBILITY TO RVR 5000.

CHART NOTE: VDP NA WHEN USING PORTERVILLE ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT AMONT ON V459 SOUTHEAST BOUND AND ARRIVALS AT GMN VORTAC ON V137 SOUTHEAST BOUND.

QUALITY
6
CHECKED

CITY AND STATE

BAKERSFIELD, CA

ELEVATION: 510

TDZE: 493

AIRPORT NAME:

MEADOWS FIELD

FACILITY
IDENTIFIER:

I-BFL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 30R, AMDT 30

29 JUL 2010

SUP:

AMDT: 29

DATED: 01/18/2007

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	
MARIC	HOTIL (FO)	349.46 / 21.07	3400	LPV: DA LNAV/VNAV: DA LNAV: RW12L CLIMB TO 3000 DIRECT ULEYE AND RIGHT TURN ON TRACK 222.95 TO MARIC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 221.00 INBOUND. CHART FAS OBST: 650 TOWER 352727N/1190457W CHART FAS OBST: 668 TRMSN TWR 352727N/1190428W DISTANCE TO THLD FROM 250 HAT: 0.62 NM. WAAS CHANNEL # 78418 REFERENCE PATH ID: W12A
EHF VORTAC	HOTIL (FO)	297.05 / 9.50	3400	
COREZ (IAF)	HOTIL (NOPT) (FB)	066.68 / 11.91	3400	
PONDD (IAF)	HOTIL (NOPT) (FB)	161.11 / 14.15	3400	
HOTIL (IF/IAF)	JIBOP (FB)	121.21 / 6.01	2500	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. **HOLD NW HOTIL, RT, 121.21 INBOUND, 3400 FT. IN LIEU OF PT (IAF)**
3. FAC: **121.26** FAF: **JIBOP** DIST FAF TO MAP: **5.99** THLD: **5.99**
4. MIN. ALT: **HOTIL 3400, JIBOP 2500, FNWAY/2.80 NM TO RW12L 1440***
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: **2500** GS ALT AT: **JIBOP 2500** OM: MM: IM:
7. GS ANGLE: **3.00** TCH: **52.0** **34:1 IS NOT CLEAR**
8. MSA FROM: **RW12L 8800**

MAG VAR: 14E

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY >>>>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	760	1	250	760	1	250	760	1	250	760	1	250			
LNAV/VNAV DA	1073	2	563	1073	2	563	1073	2	563	1073	2	563			
LNAV MDA	920	1	410	920	1	410	920	1 1/4	410	920	1 1/4	410			
CIRCLING	940	1	430	960	1	450	960	1 1/2	450	1060	2	550			

NOTES:

CHART NOTE: CIRCLING NA NE OF RWY 12L/30R.

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

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 48C (118F).

CHART NOTE: DME/DME RNP-0.3 NA.

SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
4
CHECKED

CITY AND STATE BAKERSFIELD, CA	ELEVATION: 510 TDZE: 510 AIRPORT NAME. MEADOWS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12L, AMDT 1 29 JUL 2010	SUP: AMDT: ORIG-A DATED 08/28/2008

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

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NOTES CONT.**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.*****LNAV ONLY****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORTERVILLE ALTIMETER SETTING AND INCREASE ALL DA 92 FEET, ALL MDA 100 FEET, INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS AND LNAV CATS C/D VISIBILITY 1/4 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EHF VORTAC ON V165 SOUTHBOUND.**

QUALITY
1
CHECKED

CITY AND STATE

BAKERSFIELD, CA

ELEVATION: 510 TDZE: 510

AIRPORT NAME:

MEADOWS FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 12L, AMDT 1

29 JUL 2010

SUP:

AMDT: **ORIG-A**DATED: **08/28/2008**

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBFL
RUNWAY	RW12L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	352646.8190N
LTP/FTP LONGITUDE	1190416.5750W
LTP/FTP ELLIPSOIDAL HEIGHT	+01221
FPAP LATITUDE	352530.4900N
FPAP LONGITUDE	1190244.3400W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
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
<u>CRC REMAINDER</u>	4D594742

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+01553
FPAP ORTHOMETRIC HEIGHT	+01553

CITY AND STATE BAKERSFIELD, CA	ELEVATION: 510 TDZE: 510 AIRPORT NAME: MEADOWS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12L, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG-A
				DATED: 08/28/2008

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[illegible]

CITY AND STATE BAKERSFIELD, CA	ELEVATION: 510 TDZE: 510 AIRPORT NAME: MEADOWS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12L, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG-A
				DATED: 08/28/2008

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KBFLK2FR12L R	040	0 M	010CA			1213		+ 00760			A JS	
	SUSAP KBFLK2FR12L R	050ULEYEK2EA0E	010DF									A JS	
	SUSAP KBFLK2FR12L R	060MARICK2EA0EY	R010TFY			2230			+ 03000			A JS	
	SUSAP KBFLK2FR12L R	070MARICK2EA0EE	R020HM			22100040			+ 03000			A JS	
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KBFLK2GRW12L	0108551213	N35264682W119041658-0300			+0122100510000052150R							
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KBFLK2PR12L	RW12L001	0000W12A0N3526468190W11904165750+012210300N3525304900W11902443400106750000000520F4005004D594742										
	SUSAP KBFLK2PR12L	RW12L002E	+01553+01553LPV	78418									
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KBFLK2SRW12LK2PG	0	18018008825									M	

QUALITY
CHECKED

CITY AND STATE BAKERSFIELD, CA	ELEVATION: 510 TDZE: 510	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12L, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: MEADOWS FIELD			AMDT: ORIG-A
				DATED: 08/28/2008

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM LOPES GRAPE LEBEC (IAF) FASTO (IF)	TO LEBEC (FB) LEBEC (FB) FASTO (FB) JUPEX (FB)	COURSE AND DISTANCE 255.76 / 7.88 020.96 / 4.79 345.99 / 14.44 301.43 / 7.36	ALTITUDE 8000 8000 3500 2500	LPV: DA LNAV/VNAV: DA LNAV: RW30R CLIMB TO 3000 DIRECT ROLIE AND ON TRACK 327.61 TO EHF VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 143.64 INBOUND. CHART FAS OBST: 629 TREE 352551N/1190211W CHART FAS OBST: 649 TREE 352617N/1190246W CHART 774 TWR 352208N/1190017W. DISTANCE TO THLD FROM 200 HAT: 0.50 NM. CHART VDP AT 1.43 MILES TO RW30R* *LNAV ONLY. WAAS CHANNEL # 58118 REFERENCE PATH ID: W30A	
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 FASTO 3. FAC: <u>301.37</u> FAF: <u>JUPEX</u> DIST FAF TO MAP: <u>6.08</u> THLD: <u>6.08</u> 4. MIN. ALT: <u>FASTO 3500, JUPEX 2500, HOYMI/2.10 NM TO RW30R 1200*</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>JUPEX 2500</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>50.7</u> <u>34:1 IS CLEAR</u> 8. MSA FROM: <u>RW30R 8800</u>				MAG VAR: <u>14E</u> EPOCH YEAR: <u>1985</u>	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @
CATEGORY ==>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LPV DA	693	2400	200	693	2400
LNAV/VNAV DA	966	6000	473	966	6000
LNAV MDA	1000	2400	507	1000	2400
CIRCLING	1000	1	490	1000	1
	1000	1 1/2	490	1060	2
	550				
NOTES: CHART NOTE: CIRCLING NA NE OF RWY 12L-30R. CHART NOTE: BARO-VNAV NA WHEN USING PORTERVILLE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 48C (118F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10					
CITY AND STATE		ELEVATION: 510 TDZE: 493		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
BAKERSFIELD, CA		AIRPORT NAME:		RNAV (GPS) RWY 30R, AMDT 1	
		MEADOWS FIELD		29 JUL 2010	
		FACILITY IDENTIFIER: RNAV		SUP:	
				AMDT: ORIG	
				DATED 10/30/2003	

 QUALITY
3
CHECKED

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

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

NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORTERVILLE ALTIMETER SETTING AND INCREASE ALL DA 92 FEET, ALL MDA 100 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 1/2 MILES, LNAV CAT C VISIBILITY TO RVR 6000, AND LNAV CAT D VISIBILITY TO 1 1/2 MILES.

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

CHART NOTE: VDP NA WHEN USING PORTERVILLE ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GRAPE ON V23 SOUTHEAST BOUND.

QUALITY
3
CHECKED

CITY AND STATE BAKERSFIELD, CA	ELEVATION: 510 TDZE: 493 AIRPORT NAME: MEADOWS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30R, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 10/30/2003

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	KBFL
RUNWAY	RW30R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W30A
LTP/FTP LATITUDE	352554.5810N
LTP/FTP LONGITUDE	1190313.4430W
LTP/FTP ELLIPSOIDAL HEIGHT	+01137
FPAP LATITUDE	352646.8200N
FPAP LONGITUDE	1190416.5800W
THRESHOLD CROSSING HEIGHT (TCH)	00050.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

012F70DF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+01469
FPAP ORTHOMETRIC HEIGHT	+01469

QUALITY
6
CHECKED

CITY AND STATE

BAKERSFIELD, CA

ELEVATION: 510 TDZE: 493

AIRPORT NAME:

MEADOWS FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 30R, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 10/30/2003

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]

QUALITY
4
CHECKED

CITY AND STATE BAKERSFIELD, CA	ELEVATION: 510 TDZE: 493 AIRPORT NAME: MEADOWS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30R, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 10/30/2003

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KBFLK2GRW30R	0108553013 N35255458W119031344+0300 +01137004823426511501												
PP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KBFLK2PR30R	RW30R001 0000W30A0N3525545810W11903134430+011370300N3526468200W11904165800106750000000507F400350012F70DF												
SUSAP KBFLK2PR30R	RW30R002E +01469+01469LPV 58118												
MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KBFLK2SRW30RK2PG	0 18018008825 M												

QUALITY
4
CHECKED

CITY AND STATE BAKERSFIELD, CA	ELEVATION: 510 TDZE: 493 AIRPORT NAME: MEADOWS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 30R, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 10/30/2003

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.			
TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: CUTNO CLIMB TO 8000 DIRECT CIKVI AND ON TRACK 275.21 TO BINTE AND TRACK 192.06 TO NULMN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 067.40 INBOUND. FAS OBST: 2062 AAO 345351N/1164326W CHART VDP AT 1.67 MILES TO CUTNO. FALBA TO RW22: 3.04/40.			
HEC VORTAC	ADIRE (FB)	315.46 / 8.00	6000				
ADIRE (IAF)	BILKE (FB)	305.55 / 5.00	5000				
DISBE (IAF)	BILKE (FB)	217.55 / 14.01	5000				
TEELE (IAF)	BILKE (FB)	233.30 / 12.92	5000				
BILKE (IF)	FALBA (FB)	215.60 / 6.20	3500				

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2. PROFILE STARTS AT BILKE
 3. FAC: 215.56 FAF: FALBA DIST FAF TO MAP: 3.80 THLD: 4.80
 4. MIN. ALT: BILKE 5000, FALBA 3500
 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
 6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
 7. GS ANGLE: TCH: 34:1 IS NOT CLEAR
 8. MSA FROM: CUTNO 7600

MAG VAR: 15E
EPOCH YEAR: 1975

MINIMUMS															
TAKEOFF:	STANDARD	☒	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
LNAV MDA	2800	1 1/4	882	2800	1 1/4	882	2800	2 3/4	882	2800	3	882			
CIRCLING	2800	1 1/4	870	2800	1 1/4	870	2860	2 3/4	930	2860	3	930			

NOTES:

CHART NOTE: CIRCLING NA FOR CAT D S OF RWY 8-26.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VICTORVILLE ALTIMETER SETTING AND SEE 8260-10

@ CAT A, B 900-2, CAT C 1000-2 3/4, CAT D 1000-3

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE

DAGGETT, CA

ELEVATION: 1930 TDZE: 1918

AIRPORT NAME:

BARSTOW-DAGGETT

FACILITY IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, AMDT 2

29 JUL 2010

SUP:

AMDT: 1

DATED 10/22/2009

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

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

NOTES CONT.

INCREASE ALL MDA 220 FEET. INCREASE LNAV AND CIRCLING CAT B/C VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING VICTORVILLE ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HEC VORTAC ON V12-210 EASTBOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DISBE ON V394 NORTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TEELE ON V587 NORTHEAST BOUND.

QUALITY
CHECKED

CITY AND STATE DAGGETT, CA	ELEVATION: 1930 TDZE: 1918 AIRPORT NAME: BARSTOW-DAGGETT	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 2 29 JUL 2010	SUP:
				AMDT: 1
				DATED: 10/22/2009

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

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

QUALITY
CHECKER

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

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KDAGK2FR22	R		060BINTEK2EA0E	010TF			2752					B JS	
SUSAP KDAGK2FR22	R		070NULMNK2EA0EY	010TF			1921	+ 08000				B JS	
SUSAP KDAGK2FR22	R		080NULMNK2EA0EE	R020HM			06740070	+ 08000				B JS	
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KDAGK2GRW22		0051232155	N34513954W116464620+0300				+0550401909000040100R						
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KDAGK2SCUTNOK2EA			0	18018007625								M	

QUALITY
 &
 CHECKED

CITY AND STATE DAGGETT, CA	ELEVATION: 1930 TDZE: 1918 AIRPORT NAME: BARSTOW-DAGGETT	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 2 29 JUL 2010	SUP:
				AMDT: 1
				DATED: 10/22/2009

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV: RW26 CLIMB TO 8000 DIRECT AMAKE AND ON TRACK 270.05 TO BINTE AND TRACK 192.06 TO NULMN AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 067.40 INBOUND. CHART ARRIVAL HOLDING AT HEC VORTAC: HOLD E, RT, 255.00 INBOUND CHART FAS OBST: 2339 TREE 344944N/1164322W. DISTANCE TO THLD FROM 299 HAT: 0.80 NM. CHART VDP AT 2.31 MILES TO RW26* *LNAV ONLY. WAAS CHANNEL # 72813 REFERENCE PATH ID: W26A	
DISBE	CILES (FB)	196.06 / 13.79	6000		
TEELE	CILES (FB)	209.71 / 11.36	6000		
CILES (IAF)	DOGSE (FB)	174.19 / 4.34	4700		
HEC VORTAC (IAF)	DOGSE (FB)	295.49 / 5.00	4700		
DOGSE (IF)	CABAM (FB)	255.14 / 6.00	3800		
SEE 8260-10					
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT DOGSE 3. FAC: 255.08 FAF: CABAM DIST FAF TO MAP: 5.68 THLD: 5.68 4. MIN. ALT: DOGSE 4700, CABAM 3800, HITBU/3.30 NM TO RW26 3020* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 3800 GS ALT AT: CABAM 3800 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR 8. MSA FROM: RW26 7600					
				MAG VAR: 15E EPOCH YEAR: 1975	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: NA	STANDARD @
CATEGORY ==>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LPV DA #	2217	1	299	2217	1
LPV DA	2438	1 3/4	520	2438	1 3/4
LNAV MDA	2700	1	782	2700	1 1/4
CIRCLING	2700	1	770	2780	1 1/4
NOTES: CHART NOTE: CIRCLING NA FOR CAT D SOUTH OF RWY 8-26. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DISBE ON V394 NORTHEAST BOUND. SEE 8260-10					
CITY AND STATE		ELEVATION: 1930 TDZE: 1918		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
DAGGETT, CA		AIRPORT NAME:		RNAV (GPS) RWY 26, AMDT 2	
		BARSTOW-DAGGETT		29 JUL 2010	
		FACILITY IDENTIFIER: RNAV		SUP:	
				AMDT: 1	
				DATED 10/22/2009	

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
CABAM (FAF)	HITBU (FB)	255.08 / 2.38	3020
HITBU	RW26 (FO)	255.05/ 3.30	
RW26 (MAP)	2217 MSL (CA)	255.05	
2217 MSL	AMAKE (FB)		
AMAKE	BINTE (FO)	270.05/ 7.98	
BINTE	NULMN (FO)	192.06/ 10.00	8000

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT TEELE ON V587 NORTHEAST BOUND.

*LNAV ONLY

CHART NOTE: VDP NA WHEN USING VICTORVILLE ALTIMETER SETTING.

CHART PLANVIEW NOTE: DESCEND IN HEC HOLDING PATTERN TO 6100 BEFORE CROSSING HEC INBOUND

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VICTORVILLE ALTIMETER SETTING AND INCREASE ALL DA 211 FEET AND ALL MDA 220 FEET. INCREASE LPV DA # CATS A/B/C 1/4 MILE, CAT D 1/2 MILE.

INCREASE LPV DA ALL CATS VISIBILITY 3/4 MILE, LNAV CATS A/B 1/4 MILE, CAT C 3/4 MILE, CAT D 1/2 MILE, CIRCLING CAT A/B/C 1/4 MILE.

CHART NOTE: # MISSED APPROACH REQUIRES MINIMUM CLIMB OF 220 FEET PER NM TO 8000.

QUALITY
CHECKED

CITY AND STATE

DAGGETT, CA

ELEVATION: 1930 TDZE: 1918

AIRPORT NAME:

BARSTOW-DAGGETT

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, AMDT 2

29 JUL 2010

SUP:

AMDT: 1

DATED: 10/22/2009

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KDAG
RUNWAY RW26
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W26A
LTP/FTP LATITUDE 345105.3395N
LTP/FTP LONGITUDE 1164635.4010W
LTP/FTP ELLIPSOIDAL HEIGHT +05504
FPAP LATITUDE 345105.3400N
FPAP LONGITUDE 1164823.6600W
THRESHOLD CROSSING HEIGHT (TCH) 00055.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0800
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

001CF875

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K2
LTP ORTHOMETRIC HEIGHT +05817
FPAP ORTHOMETRIC HEIGHT +05817

QUALITY
6
CHECKED

CITY AND STATE
DAGGETT, CA

ELEVATION: 1930 TDZE: 1918
AIRPORT NAME:
BARSTOW-DAGGETT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 26, AMDT 2
29 JUL 2010

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

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KDAGK2FR26	ADISBE	010DISBEK2EA0E	IF							18000		A JS	
SUSAP KDAGK2FR26	ADISBE	020CILESK2EA0E	A 020TF			19610138		+ 06000				A JS	
SUSAP KDAGK2FR26	ADISBE	030DOGSEK2EA0EE	B 010TF			17420043		+ 04700				A JS	
SUSAP KDAGK2FR26	AHEC	010HEC K2D 0V	A IF							18000		A JS	
SUSAP KDAGK2FR26	AHEC	020DOGSEK2EA0EE	B 010TF			29550050		+ 04700				A JS	
SUSAP KDAGK2FR26	ATEELE	010TEELEK2EA0E	IF							18000		A JS	
SUSAP KDAGK2FR26	ATEELE	020CILESK2EA0E	A 020TF			20970114		+ 06000				A JS	
SUSAP KDAGK2FR26	ATEELE	030DOGSEK2EA0EE	B 010TF			17420043		+ 04700				A JS	
SUSAP KDAGK2FR26	R	010DOGSEK2EA0E	I IF					+ 04700		18000		A JS	
SUSAP KDAGK2FR26	R	020CABAMK2EA1E	F 051TF			25510060		+ 03800			RW26	K2PGA JS	
SUSAP KDAGK2FR26	R	020CABAMK2EA2WALPV		N	ALNAV							JS	
SUSAP KDAGK2FR26	R	021HITBUK2EA0E	S 031TF			25510024		V 0302003025		-300		A JS	
SUSAP KDAGK2FR26	R	030RW26 K2PGOGY	M 031TF			25510033		01964		-300		A JS	

PAGE 4 OF 5 PAGES

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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KDAGK2FR26	R	040	0	M	010CA		2551	+	02217		A	JS
	SUSAP KDAGK2FR26	R	050	AMAKEK2EA0E	010DF							A	JS
	SUSAP KDAGK2FR26	R	060	BINTEK2EA0EY	010TF		2701					A	JS
	SUSAP KDAGK2FR26	R	070	NULMNK2EA0EY	010TF		1921	+	08000			A	JS
	SUSAP KDAGK2FR26	R	080	NULMNK2EA0EE	R020HM		06740070	+	08000			A	JS
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KDAGK2GRW26		0064022550	N34510534W116463540+0300									
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KDAGK2PR26	RW26	001	0000W26A0N3451053395W11646354010+055040300N3451053400W11648236600106750800000550F400500001CF875									
	SUSAP KDAGK2PR26	RW26	002E	+05817+05817LPV	72813								
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
	SUSAP KDAGK2SRW26	K2PG		0	18018007625							M	

QUALITY
CHECKED

CITY AND STATE DAGGETT, CA	ELEVATION: 1930 TDZE: 1918 AIRPORT NAME: BARSTOW-DAGGETT	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, AMDT 2 29 JUL 2010	SUP:
				AMDT: 1
				DATED: 10/22/2009

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

(2) TEXTUAL DEPARTURE PROCEDURE:

USE DAGGETT DEPARTURE.

(3) TAKEOFF OBSTACLE NOTES:

(4) CONTROLLING OBSTACLES:

(5) City, State

DAGGETT, CA

(6) Airport

BARSTOW-DAGGETT

(7) Effective Date

29 JUL 2010

(8) Amdt. No.

3

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
TACAN OR VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
CHRLT/DAG 16.00 DME (IAF)	DAG VORTAC (NOPT)	210.65 / 16.00	5000
TEELE/DAG 12.00 DME (IAF)	DAG VORTAC (NOPT)	226.57 / 12.00	5000
DAG VORTAC (IF/IAF)	NEBER INT/DAG 6.00 DME	223.60 / 6.00	3700

MISSED APPROACH

MAP: 5.64 MILES AFTER NEBER INT/DAG 6.00 DME OR AT DAG 11.65 DME FIX

CLIMBING RIGHT TURN TO 5000 VIA HEADING 090 AND VIA DAG VORTAC R-224 TO DAG VORTAC AND HOLD (TACAN AIRCRAFT CLIMB TO 6000 VIA DAG VORTAC R-047 TO TEELE/DAG 12.00 DME AND HOLD NE, LT, 226.57 INBOUND). WHEN AUTHORIZED BY ATC CLIMB IN HOLDING TO 7500.

ADDITIONAL FLIGHT DATA:

**FAS OBST: 2062 AAO 345351N/1164326W
NEBER TO RW22: 2.93/40.**

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD NE DAG VORTAC, LT, 223.60 INBOUND, 5000 FT. IN LIEU OF PT (IAF)
3. FAC 223.60 FAF NEBER INT/DAG 6.00 DME DIST FAF TO MAP 5.64 THLD 5.64
4. MIN. ALT DAG VORTAC 5000, NEBER 3700
8. MSA FROM: DAG VORTAC 270-090 6300, 090-270 7600

MAG VAR: 15E

EPOCH YEAR: 1975

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
5-22		3160	1 1/4	1242	3440	1 1/2	1522	3440	3	1522	3540	3	1622			
CIRCLING		3160	1 1/4	1230	3440	1 1/2	1510	3440	3	1510	3540	3	1610			

NOTES:

CHART NOTE: CIRCLING NA FOR CAT D SOUTH OF RWY 8-26.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VICTORVILLE ALTIMETER SETTING AND INCREASE ALL MDA 220 FEET.

@ CAT A, B 1700-2, CAT C, D 1700-3

@ NA WHEN LOCAL WEATHER NOT AVAILABLE



CITY AND STATE DAGGETT, CA	ELEVATION: 1930 TDZE: 1918 AIRPORT NAME: BARSTOW-DAGGETT	FACILITY IDENTIFIER: DAG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR TACAN RWY 22, AMDT 10 29 JUL 2010	SUP 9 DATE 10/22/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
DECOT (IAF)	PIYOG (FB)	137.03 / 6.48	3800	LPV: DA LNAV: RW13L			
PIYOG (IF)	HEKUR (FB)	126.78 / 5.06	2800				
HEKUR (FAF)	RW13L (FO)	126.82 / 8.04		CLIMB TO 4600 DIRECT NAZFO AND ON TRACK 129.29 TO GILRO AND HOLD.			
RW13L (MAP)	535 MSL (CA)	126.82					
535 MSL	NAZFO (FB)			ADDITIONAL FLIGHT DATA: HOLD SE, LT, 301.40 INBOUND. FAS OBST: 379 AAO 372304N/1215101W DISTANCE TO THLD FROM 1421 HAT: 4.31 NM. CHART VDP AT 3.98 MILES TO RW13L* *LNAV ONLY. WAAS CHANNEL # 82216 REFERENCE PATH ID: W13A			
NAZFO	GILRO (FO)	129.29 / 18.15	4600				

1. PT NA SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)							
2. PROFILE STARTS AT PIYOG							
3. FAC: 126.82 FAF: HEKUR _____ DIST FAF TO MAP: 8.04 THLD: 8.04							
4. MIN. ALT: PIYOG 3800, HEKUR 2800, JATPI/6.00 NM TO RW13L 2120*							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____							
6. MIN GS INCPT: 2800 GS ALT AT: HEKUR 2800 _____ OM: _____ MM: _____ IM: _____							
7. GS ANGLE: 3.00 TCH: 57.0 34:1 IS NOT CLEAR							
8. MSA FROM: RW13L 5600							

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	1554	3	1421	1554	3	1421		NA			NA				
LNAV MDA	1840	1 1/4	1707	1840	1 1/2	1707		NA			NA				
CIRCLING	1840	1 1/4	1705	1840	1 1/2	1705		NA			NA				

NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING MINIMUMS															
LPV DA		NA			NA			NA			NA				
LNAV MDA	1860	1 1/4	1727	1860	1 1/2	1727		NA			NA				
CIRCLING	1860	1 1/4	1725	1860	1 1/2	1725		NA			NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PLANVIEW AND PROFILE NOTE: FOR LPV FLY VISUAL TO AIRPORT, 127 DEGREES - 4.3 MILES.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
 SEE 8260-10

CITY AND STATE SAN JOSE, CA	ELEVATION: 135 TDZE: 133 AIRPORT NAME: REID-HILLVIEW OF SANTA CLARA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13L, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED

QUALITY
CHECKED

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

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NOTES CONT.***LNAV ONLY****CHART NOTE: WHEN CONTROL TOWER CLOSED, USE NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DECOT VIA V107 NORTHWEST BOUND.****CHART NOTE: CIRCLING E OF RWY 13L-31R NA AT NIGHT.****CHART NOTE: VDP NA WITH NORMAN Y MINETA SAN JOSE INTL ALTIMETER SETTING.**

CITY AND STATE

SAN JOSE, CA

ELEVATION: 135 TDZE: 133

AIRPORT NAME:

REID-HILLVIEW OF SANTA CLARA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13L, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRHV
RUNWAY	RW13L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	372007.5165N
LTP/FTP LONGITUDE	1214917.6385W
LTP/FTP ELLIPSOIDAL HEIGHT	+00052
FPAP LATITUDE	371856.3800N
FPAP LONGITUDE	1214810.2300W
THRESHOLD CROSSING HEIGHT (TCH)	00057.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1960
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	04799D9E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00377
FPAP ORTHOMETRIC HEIGHT	+00377

CITY AND STATE
SAN JOSE, CA

ELEVATION: 135 TDZE: 133
AIRPORT NAME:
REID-HILLVIEW OF SANTA CLARA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13L, ORIG
29 JUL 2010

SUP:
AMDT: NONE
DATED:

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRHVK2FR13L	ADECOT	010DECOTK2EA0E	A	IF					18000		A JS	
SUSAP	KRHVK2FR13L	ADECOT	020PIYOGK2EA0EE	B	010TF		13700065	+	03800			A JS	
SUSAP	KRHVK2FR13L	R	010PIYOGK2EA0E	I	IF			+	03800	18000		A JS	
SUSAP	KRHVK2FR13L	R	020HEKURK2EA1E	F	051TF		12680051	+	02800		RW13L K2PGA	JS	
SUSAP	KRHVK2FR13L	R	020HEKURK2EA2WALPV			N	ALNAV					JS	
SUSAP	KRHVK2FR13L	R	021JATPIK2EA0E	S	031TF		12680020	V	0212002125		-300	A JS	
SUSAP	KRHVK2FR13L	R	030RW13LK2PG0GY	M	031TF		12680060		00181		-300	A JS	
SUSAP	KRHVK2FR13L	R	040		0 M 010CA		1268	+	00535			A JS	
SUSAP	KRHVK2FR13L	R	050NAZFOK2EA0E		010DF							A JS	
SUSAP	KRHVK2FR13L	R	060GILROK2EA0EY		010TF		1293	+	04600			A JS	
SUSAP	KRHVK2FR13L	R	070GILROK2EA0EE		L020HM		30140040	+	04600			A JS	

[illegible]

PAGE 4 OF 5 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]

SUP:	
AMDT:	NONE
DATED:	

PAGE 5 OF 5 PAGES

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW31R CLIMB TO 4000 DIRECT TEBIJ AND ON TRACK 310.06 TO DECOT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 158.00 INBOUND. FAS OBST: 1079 AAO 371643N/1214706W 1645 AAO 371456N/1214308W. UBIPE TO RW31R: 3.56/59.	
CATHE	ZUXOX (FB)	266.65 / 8.54	4900		
ZUXOX (IAF)	ECYON (FB)	266.54 / 8.00	4300		
GILRO (IAF)	ECYON (FB)	312.63 / 7.72	4300		
ECYON (IF)	UBIPE (FB)	301.46 / 6.24	2800		

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 <u>ECYON</u>					
3. FAC: <u>311.94</u> FAF: <u>UBIPE</u> DIST FAF TO MAP: <u>6.90</u> THLD: <u>6.90</u>					
4. MIN. ALT: <u>ECYON 4300, UBIPE 2800, SIKEW/4.20 NM TO RW31R 1760</u>					
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>					
6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>					
7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u>					
8. MSA FROM: <u>RW31R 5600</u>					
			MAG VAR: <u>16E</u> EPOCH YEAR: <u>1975</u>		

MINIMUMS															
TAKEOFF:	☐	STANDARD	☒	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
LNAV MDA	1340	1 1/4	1209	1340	1 1/2	1209		NA			NA				
CIRCLING	1340	1 1/4	1205	1340	1 1/2	1205		NA			NA				

NORMAN Y. MINETA SAN JOSE INTL ALTIMETER SETTING MINIMUMS															
LNAV MDA	1360	1 1/4	1229	1360	1 1/2	1229		NA			NA				
CIRCLING	1360	1 1/4	1225	1360	1 1/2	1225		NA			NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGSi AND DESCENT ANGLES NOT COINCIDENT.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GILRO ON V485 SOUTHEAST BOUND AND FOR ARRIVALS
 SEE 8260-10

CITY AND STATE	ELEVATION: 135 TDZE: 131	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SAN JOSE, CA	AIRPORT NAME:		RNAV (GPS) Y RWY 31R, ORIG	AMDT: NONE
	REID-HILLVIEW OF SANTA CLARA		29 JUL 2010	DATED

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

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NOTES CONT.

AT CATHE ON V107 SOUTHEAST BOUND.

CHART NOTE: CIRCLING E OF RWY 13L-31R NA AT NIGHT.

CHART NOTE: WHEN CONTROL TOWER CLOSED, USE NORMAN Y. MINETA SAN JOSE INTL ALTIMETER SETTING.

CITY AND STATE

SAN JOSE, CA

ELEVATION: 135 TDZE: 131

AIRPORT NAME:

REID-HILLVIEW OF SANTA CLARA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 31R, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRHVK2FR31RY	ACATHE	010CATHEK2EA0E	IF						18000		B JS	
SUSAP	KRHVK2FR31RY	ACATHE	020ZUXOKK2EA0E	A 020TF			26670085	+ 04900				B JS	
SUSAP	KRHVK2FR31RY	ACATHE	030ECYONK2EA0EE	B 010TF			26650080	+ 04300				B JS	
SUSAP	KRHVK2FR31RY	AGILRO	010GILROK2EA0E	A IF						18000		B JS	
SUSAP	KRHVK2FR31RY	AGILRO	020ECYONK2EA0EE	B 010TF			31260077	+ 04300				B JS	
SUSAP	KRHVK2FR31RY	R	010ECYONK2EA0E	I IF				+ 04300		18000		B JS	
SUSAP	KRHVK2FR31RY	R	020UBIPEK2EA1E	F 051TF			30150062	+ 02800			RW31R K2PGB	JS	
SUSAP	KRHVK2FR31RY	R	020UBIPEK2EA2WN		N	ALNAV						JS	
SUSAP	KRHVK2FR31RY	R	021SIKEWK2EA0E	S 031TF			31190027	V 0176001770		-356		B JS	
SUSAP	KRHVK2FR31RY	R	030RW31RK2PG0GY	M 031TF			31190042	00192		-356		B JS	
SUSAP	KRHVK2FR31RY	R	040	0 M 010CA			3119	+ 00535				B JS	
SUSAP	KRHVK2FR31RY	R	050TEBIJK2EA0E	010DF								B JS	
SUSAP	KRHVK2FR31RY	R	060DECOTK2EA0EY	010TF			3101	+ 04000				B JS	
SUSAP	KRHVK2FR31RY	R	070DECOTK2EA0EE	R020HM			15800040	+ 04000				B JS	

[illegible]

CITY AND STATE SAN JOSE, CA	ELEVATION: 135 TDZE: 131	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 31R, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME:			AMDT: NONE
	REID-HILLVIEW OF SANTA CLARA			DATED:

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

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

SUSAP KRHK2SRW31RK2PG	0 18018005625										M		

CITY AND STATE
SAN JOSE, CA

ELEVATION: 135 TDZE: 131
AIRPORT NAME:
REID-HILLVIEW OF SANTA CLARA

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) Y RWY 31R, ORIG
29 JUL 2010

SUP:
AMDT: NONE
DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES								MISSED APPROACH				
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA CLIMB TO 4000 DIRECT CEPEL AND ON TRACK 313.49 TO DECOT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 158.00 INBOUND. DISTANCE TO THLD FROM 379 HAT: 0.85 NM. WAAS CHANNEL # 58316 REFERENCE PATH ID: W31A				
CATHE		ZUXOX (FB)		266.65 / 8.54		4900						
ZUXOX (IAF)		ECYON (FB)		266.54 / 8.00		4300						
GILRO (IAF)		ECYON (FB)		312.63 / 7.72		4300						
ECYON (IF)		OZNUM (FB)		306.99 / 6.19		2800						
OZNUM (FAF)		RW31R (FO)		306.94 / 6.90								
RW31R (MAP)		510 MSL (CA)		306.94								
510 MSL		CEPEL (FB)										
CEPEL		DECOT (FO)		313.49 / 9.91		4000						
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 ECYON 3. FAC: <u>306.94</u> FAF: <u> </u> DIST FAF TO MAP: <u> </u> THLD: <u> </u> 4. MIN. ALT: <u>ECYON 4300, OZNUM 2800</u> 5. DIST TO THLD FROM OM: <u>6.90</u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2800</u> GS ALT AT: <u>OZNUM 2800</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.50</u> TCH: <u>59.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW31R 5600</u>								MAG VAR: 16E EPOCH YEAR: 1975				
MINIMUMS												
TAKEOFF: ☐ STANDARD ☒ 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
LPV DA	510	1	379	510	1	379		NA			NA	
NORMAN Y. MINETA SAN JOSE INTL ALTIMETER SETTING MINIMUMS												
LPV DA	533	1 1/4	402	533	1 1/4	402		NA			NA	
NOTES: 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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GILRO ON V485 SOUTHEAST BOUND AND FOR ARRIVALS SEE 8260-10												
CITY AND STATE		ELEVATION: 135 TDZE: 131		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP: RNAV (GPS) RWY			
SAN JOSE, CA		AIRPORT NAME:		RNAV		RNAV (GPS) Z RWY 31R, AMDT 1			31R			
		REID-HILLVIEW OF SANTA CLARA				29 JUL 2010			AMDT: ORIG-A			
									DATED 08/08/2002			



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.

AT CATHE ON V107 SOUTHEAST BOUND.

CHART NOTE: WHEN CONTROL TOWER CLOSED, USE NORMAN Y. MINETA SAN JOSE INTL ALTIMETER SETTING.



CITY AND STATE SAN JOSE, CA	ELEVATION: 135 TDZE: 131 AIRPORT NAME: REID-HILLVIEW OF SANTA CLARA	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 31R, AMDT 1 29 JUL 2010	SUP: RNAV (GPS) RWY 31R
				AMDT: ORIG-A
				DATED: 08/08/2002

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRHVK2FR31RZ	ACATHE	010CATHEK2EA0E	IF						18000		A JS	G
SUSAP	KRHVK2FR31RZ	ACATHE	020ZUXOXK2EA0E	A 020TF		26670085		+ 04900				A JS	G
SUSAP	KRHVK2FR31RZ	ACATHE	030ECYONK2EA0EE	B 010TF		26650080		+ 04300				A JS	G
SUSAP	KRHVK2FR31RZ	AGILRO	010GILROK2EA0E	A IF						18000		A JS	G
SUSAP	KRHVK2FR31RZ	AGILRO	020ECYONK2EA0EE	B 010TF		31260077		+ 04300				A JS	G
SUSAP	KRHVK2FR31RZ	R	010ECYONK2EA0E	I IF				+ 04300		18000		A JS	G
SUSAP	KRHVK2FR31RZ	R	020OZNUMK2EA1E	F 051TF		30700062		+ 02800			RW31R K2PGA	JS	G
SUSAP	KRHVK2FR31RZ	R	020OZNUMK2EA2WALPV		N		N					JS	G
SUSAP	KRHVK2FR31RZ	R	030RW31RK2PG0GY	M 031TF		30690069		00192		-350		A JS	G
SUSAP	KRHVK2FR31RZ	R	040	0 M 010CA		3069		+ 00510				A JS	G
SUSAP	KRHVK2FR31RZ	R	050CEPELK2EA0E	010DF								A JS	G
SUSAP	KRHVK2FR31RZ	R	060DECOTK2EA0EY	010TF		3135		+ 04000				A JS	G
SUSAP	KRHVK2FR31RZ	R	070DECOTK2EA0EE	R020HM		15800040		+ 04000				A JS	G

[illegible]

SUP:	RNAV (GPS) RWY 31R
AMDT:	ORIG-A
DATED:	08/08/2002

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

[illegible]

QUALITY
4
CHECKED

SUP:	RNAV (GPS) RWY 31R
AMDT:	ORIG-A
DATED:	08/08/2002

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	
LATON (IAF)	VIS VOR/DME (FB)	084.09 / 3.39	2000	LNAV: RW13 CLIMBING RIGHT TURN TO 2000 DIRECT VIS VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 287.70 INBOUND. CHART FAS OBST: 555 TOWER 361202N/1192304W CHART FOOTHILL 2 MOA. CHART PORTERVILLE MOA. CHART LEMOORE A-E MOA'S. NIRFY TO RW13: 3.04/40.
DINUB (IAF)	VIS VOR/DME (FB)	231.10 / 8.49	2000	
VIS VOR/DME (IF)	NIRFY (FB)	135.42 / 9.15	2000	
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>PROFILE STARTS AT VIS VOR/DME</u> 3. FAC: <u>131.93</u> FAF: <u>NIRFY</u> DIST FAF TO MAP: <u>5.25</u> THLD: <u>5.25</u> 4. MIN. ALT: <u>VIS VOR/DME 2000, NIRFY 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> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u>RW13 8700</u>				MAG VAR: 15E EPOCH YEAR: 1985

[illegible]

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VISALIA ALTIMETER SETTING AND INCREASE
SEE 8260-10

CITY AND STATE	ELEVATION: 265 TDZE: 265	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TULARE, CA	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 13, ORIG	AMDT: NONE
	MEFFORD FIELD		29 JUL 2010	DATED

QUALITY
5
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

ALL MDA 40 FEET AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LATON VIA V23 NORTHWEST BOUND.

QUALITY
CHECKED

CITY AND STATE

TULARE, CA

ELEVATION: 265 TDZE: 265

AIRPORT NAME:

MEFFORD FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

QUALITY
4
CHECKED

CITY AND STATE TULARE, CA	ELEVATION: 265 TDZE: 265 AIRPORT NAME: MEFFORD FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

CITY AND STATE TULARE, CA	ELEVATION: 265 TDZE: 265 AIRPORT NAME: MEFFORD FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

QUALITY
4
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
DINUB INT/VISALIA 8.49 DME	VIS VOR/DME	230.00 / 8.49	2200
LATON INT/VISALIA 3.39 DME (IAF)	VIS VOR/DME (NOPT)	083.13 / 3.39	2000
VIS VOR/DME (IF/IAF)	IPZEH/VIS 9.49 DME	133.12 / 9.49	2000

MISSED APPROACH

MAP: VIS 14.39 DME FIX

CLIMBING RIGHT TURN TO 2000 DIRECT VIS VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 286.70 INBOUND.
 CHART FAS OBST: 555 TOWER 361202N/1192304W
 CHART FOOTHILL 2 MOA.
 CHART PORTERVILLE MOA.
 CHART LEMOORE A-E MOA'S.
 IPZEH TO RW13: 3.26/40

1. PT L SIDE OF COURSE 313.12 OUTBOUND 2000 FT WITHIN 10 MILES OF VIS VOR/DME (IAF)
2. _____
3. FAC 133.12 FAF IPZEH/VIS 9.49 DME DIST FAF TO MAP _____ THLD 4.90
4. MIN. ALT VIS VOR/DME 2000, IPZEH 2000
8. MSA FROM: VIS VOR/DME 340-160 5600, 160-250 1700, 250-340 2500

MAG VAR: 16E

EPOCH YEAR: 1975

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A	☒							
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-13	920	1	655	920	1	655	920	1 1/2	655		NA				
CIRCLING	920	1	655	920	1	655	920	1 1/2	655		NA				

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VISALIA ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.
 SEE 8260-10

QUALITY
6
CHECKED

CITY AND STATE TULARE, CA	ELEVATION: 265 TDZE: 265 AIRPORT NAME: MEFFORD FIELD	FACILITY IDENTIFIER: VIS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 13, AMDT 1 29 JUL 2010	SUP VOR/DME OR GPS RWY 13 AMDT ORIG DATE 04/17/2004

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

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

NOTES CONT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LATON VIA V23 NORTHWEST BOUND.

QUALITY
6
CHECKEDCITY AND STATE
TULARE, CAELEVATION: 265 TDZE: 265
AIRPORT NAME:
MEFFORD FIELDFACILITY
IDENTIFIER:
VISPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
VOR/DME RWY 13, AMDT 1
29 JUL 2010SUP: VOR/DME OR GPS
RWY 13
AMDT: ORIG
DATED: 04/17/2004

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW29 CLIMBING RIGHT TURN TO 7400 DIRECT NIWOT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 311.00 INBOUND. FAS OBST: 5329 AAO 400730N/1050515W MELVN TO RW29: 3.05/37.								
FIMUR (IF)	MELVN (FB)	292.79 / 8.09	7000									
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 FIMUR 3. FAC: <u>292.72</u> FAF: <u>MELVN</u> DIST FAF TO MAP: <u>5.97</u> THLD: <u>5.97</u> 4. MIN. ALT: <u>FIMUR 7000, MELVN 7000</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1</u> IS NOT CLEAR 8. MSA FROM: <u>RW29 15500</u>				MAG VAR: <u>10E</u> EPOCH YEAR: <u>2005</u>								
MINIMUMS												
TAKEOFF:	☐ STANDARD	☒ X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: <u>NA</u>	STANDARD ®							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	5680	1	636	5680	1	636	5680	1 3/4	636	5680	2	636
CIRCLING	5680	1	625	5680	1	625	5680	1 3/4	625	5680	2	625
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: RADAR REQUIRED SEE 8260-10												
CITY AND STATE LONGMONT, CO				ELEVATION: 5055 TDZE: 5044 AIRPORT NAME: VANCE BRAND		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 1 29 JUL 2010			SUP: AMDT: ORIG-A DATED 11/25/2004	

QUALITY
 &
 CHECKED

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

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE DENVER INTL ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET, INCREASE ALL CAT B VISIBILITIES 1/4 MILE AND ALL CAT C/D VISIBILITIES 1/2 MILE.

QUALITY
2
CHECKED

CITY AND STATE
LONGMONT, CO

ELEVATION: 5055 TDZE: 5044
AIRPORT NAME:
VANCE BRAND

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 29, AMDT 1
29 JUL 2010

SUP:
AMDT: ORIG-A
DATED: 11/25/2004

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

[illegible]

QUALITY
4
CHECKED

CITY AND STATE LONGMONT, CO	ELEVATION: 5055 TDZE: 5044 AIRPORT NAME: VANCE BRAND	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG-A
				DATED: 11/25/2004

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.20 MILES AFTER DOMSE INT/6.33 DME OR AT 2.13 DME FIX CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 VIA HEADING 010 AND AML VORTAC R-040 TO ASPER INT/AML 14.66 DME AND HOLD; OR AS DIRECTED BY ATC, CLIMB TO 800 THEN CLIMBING LEFT TURN TO 3000 VIA HEADING 030 AND FDK VOR R-176 TO ASPER INT AND HOLD N, RT, 175.82 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 220.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD N ASPER INT, RT, 175.82 INBOUND. CHART FAS OBST: 430 TOWER 385950N/0772627W CHART LOC RWY 19C CHART LOC RWY 19R CHART VDP AT 3.30 DME; DISTANCE VDP TO THLD 1.17 MILES.											
MRB VORTAC (IAF)	IZUMI INT/I-SGC 16.68 DME	127.00 / 22.41	3000												
DADEY/18.68 DME/RADAR (IAF)	IZUMI INT/16.68 DME	190.67 / 2.00 (I-SGC)	3000												
IZUMI INT/16.68 DME (IF)	DOMSE INT/6.33 DME	190.67 / 10.35 (I-SGC)	1700												
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 DADEY/18.68 DME/RADAR 3. FAC: <u>190.67</u> FAF: <u>DOMSE INT/6.33 DME</u> DIST FAF TO MAP: <u>4.20</u> THLD: <u>4.20</u> 4. MIN. ALT: <u>DADEY 3000, IZUMI 3000, DOMSE 1700</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u>1021</u> GS ANT: <u>999</u> 6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>DOMSE INT/6.33 DME 1700</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.3</u> 8. MSA FROM: <u>AML VORTAC 360-180 2500, 180-360 3400</u>				MAG VAR: 10W EPOCH YEAR: 2000											
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 19L	* 502	2400	200	* 502	2400	200	* 502	2400	200	* 502	2400	200			
S-LOC 19L	740	2400	438	740	2400	438	740	4000	438	740	5000	438			
CIRCLING	940	1	628	940	1	628	940	1 3/4	628	940	2	628			
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 19L: DA 402 MSL, 102 RA, RVR 1200; CAT A, B, C, D. # CAT A, B, C, D 700-2 CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 19C OR 19R. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MRB VORTAC VIA AIRWAY RADIALS 088 CW 137. SEE 8260-10															
CITY AND STATE		ELEVATION: 312 TDZE: 302		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:			
WASHINGTON, DC		AIRPORT NAME:		I-SGC		ILS OR LOC RWY 19L, AMDT 15 ILS RWY 19L (CAT II) 29 JUL 2010						AMDT: 14			
		WASHINGTON DULLES INTL										DATED 11/20/2008			



ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

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

CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

QUALITY
CHECKED

CITY AND STATE WASHINGTON, DC	ELEVATION: 312 TDZE: 302 AIRPORT NAME: WASHINGTON DULLES INTL	FACILITY IDENTIFIER: I-SGC	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 19L, AMDT 15 ILS RWY 19L (CAT II) 29 JUL 2010	SUP: AMDT: 14 DATED: 11/20/2008

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
CSN VORTAC	LUSIE INT/AML 15.33 DME/RADAR	089.06 / 19.02	5000	ILS: DA LOC: 6.05 MILES AFTER SKINS/AML 5.79 DME CLIMB TO 3000 VIA HEADING 011 AND FDK VOR R-200 TO FDK VOR AND HOLD ; OR AS DIRECTED BY ATC, CLIMB TO 4000 VIA HEADING 011 AND MRB VORTAC R-127 TO MRB VORTAC AND HOLD E, LT, 289.00 INBOUND. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 220.00 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD E MRB VORTAC, LT, 289.00 INBOUND. CHART FAS OBST: 328 TREE 385549N/0772740W CHART 419 TREE 385322N/0772749W. CHART IN PLANVIEW: MRB VORTAC. CHART LOC RWY 1R CHART LOC RWY 1L											
LUSIE INT/AML 15.33 DME/RADAR (IAF)	PEPRR/AML 11.12 DME	010.65 / 4.21 (I-OSZ)	3900**												
PEPRR/AML 11.12 DME (IF)	CARRY/AML 7.67 DME	010.65 / 3.45 (I-OSZ)	2900**												
CARRY/AML 7.67 DME	SKINS/AML 5.79 DME	010.65 / 1.88 (I-OSZ)	2300												
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT LUSIE INT/AML 15.33 DME/RADAR 3. FAC: 010.65 FAF: SKINS/AML 5.79 DME DIST FAF TO MAP: 6.05 THLD: 6.05 4. MIN. ALT: LUSIE 5000, PEPRR 3900**, CARRY 2900**, SKINS 2300, RCHLE/AML 2.30 DME 1140* 5. DIST TO THLD FROM OM: - MM: 0.46 IM: - 150 HAT: - 100 HAT: 876 GS ANT: 1049 6. MIN GS INCPT: 2300 GS ALT AT: SKINS/AML 5.79 DME 2300 OM: - MM: 486 IM: - 7. GS ANGLE: 3.00 TCH: 53.8 8. MSA FROM: AML VORTAC 360-180 2500, 180-360 3400				MAG VAR: 10W EPOCH YEAR: 2000											
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 1C	^486	2400	200	^486	2400	200	^486	2400	200	^486	2400	200			
S-LOC 1C	580	2400	294	580	2400	294	580	2400	294	580	4000	294			
CIRCLING	940	1	628	940	1	628	940	1 3/4	628	940	2	628			
NOTES: CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS 01C: DA 386 MSL, 96 RA, # CAT A, B, C, D 700-2 RVR 1200, HAT 100; CAT A, B, C, D. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-LOC CAT D VISIBILITY TO RVR 5000. CHART NOTE: DME FROM AML VORTAC. SIMULTANEOUS RECEPTION OF I-OSZ AND AML DME REQUIRED. SEE 8260-10															
CITY AND STATE		ELEVATION: 312 TDZE: 286		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
WASHINGTON, DC		AIRPORT NAME:		I-OSZ		ILS OR LOC/DME RWY 1C, AMDT 2 ILS RWY 1C (CAT II) 29 JUL 2010				AMDT: 1					
		WASHINGTON DULLES INTL								DATED 11/20/2008					

1
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

NOTES CONT.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 1R OR 1L.

CHART NOTE: DME REQUIRED.

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

*LOC ONLY

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

CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN.

CHART NOTE: LOC PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART IN PROFILE: **WHEN ASSIGNED BY ATC, INTERCEPT GLIDEPATH AT 2900 OR 3900.

QUALITY
4
CHECKED

CITY AND STATE

WASHINGTON, DC

ELEVATION: 312

TDZE: 286

AIRPORT NAME:

WASHINGTON DULLES INTL

FACILITY
IDENTIFIER:

I-OSZ

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC/DME RWY 1C, AMDT 2
ILS RWY 1C (CAT II)

29 JUL 2010

SUP:

AMDT:

1

DATED:

11/20/2008

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																				
TERMINAL ROUTES															MISSED APPROACH																																																																															
FROM			TO			COURSE AND DISTANCE					ALTITUDE																																																																																			
ADDITIONAL FLIGHT DATA:																																																																																														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																																																																																														
2. _____																																																																																														
3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____																																																																																														
4. MIN. ALT _____																																																																																														
8. MSA FROM: _____										MAG VAR: _____					EPOCH YEAR: _____																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TAKEOFF: _____</td> <td>STANDARD _____</td> <td colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="3">ALTERNATE: N A _____</td> <td colspan="5"></td> </tr> <tr> <td>CATEGORY =====></td> <td colspan="3" style="text-align: center;">A</td> <td colspan="3" style="text-align: center;">B</td> <td colspan="3" style="text-align: center;">C</td> <td colspan="3" style="text-align: center;">D</td> <td colspan="3" style="text-align: center;">E</td> </tr> <tr> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>															TAKEOFF: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A _____								CATEGORY =====>	A			B			C			D			E				MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																																
TAKEOFF: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A _____																																																																																						
CATEGORY =====>	A			B			C			D			E																																																																																	
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																																																																															
NOTES: 29 JUL 2010 PROCEDURE CANCELED EFFECTIVE _____																																																																																														
CITY AND STATE MARIANNA, FL				ELEVATION: 110 TDZE: 110 AIRPORT NAME: MARIANNA MUNI				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 18, AMDT 1, 09/09/1999					SUP AMDT ORIG DATE 08/13/1998																																																																															

QUALITY
 5
 CHECKED

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: 2.74 MILES AFTER SMY NDB
MAI VORTAC	SMY NDB	314.58 / 7.28	1800	CLIMBING LEFT TURN TO 2500 VIA MAI R-353 TO OALDY INT/RRS 17.15 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMBING LEFT TURN TO 1800 DIRECT SMY NDB AND HOLD, NW, RT, 134.28 INBOUND. CONTINUE CLIMB-IN-HOLD TO 1800.
RRS VORTAC (IAF)	SUSAN INT/MAI 20.00 DME (NOPT)	172.33 / 15.89	2000	
SUSAN INT/MAI 20.00 DME (IF)	SMY NDB	136.53 / 12.72	1800	
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 306.38 INBOUND. CHART: ALTERNATE MA HOLDING, HOLD NW SMY NDB, RT, 134.28 INBOUND. FAS OBST: 249 TREE 305302N/0851239W FAC CROSSES THLDS RWY 8 AND RWY 18.

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD NW SMY NDB, RT, 134.28 INBOUND, 1800 FT. IN LIEU OF PT (IAF)				
3. FAC	134.28	FAF SMY NDB	DIST FAF TO MAP		2.74 THLD
4. MIN. ALT	SMY NDB 1800				
8. MSA FROM:	SMY NDB 3100				

EPOCH YEAR:2000

MINIMUMS

[illegible]

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BRAINBRIDGE ALTIMETER SETTING.

CHART NOTE: PROCEDURE NA FOR ARRIVAL AT RRS VORTAC ON AIRWAY RADIALS 126 CW 230.

QUALITY
5
CHECKED

CITY AND STATE MARIANNA, FL	ELEVATION: 110	TDZE:	FACILITY IDENTIFIER: SMY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-C, AMDT 4 29 JUL 2010	SUP	NDB OR GPS-C
	AIRPORT NAME:				AMDT	3
	MARIANNA MUNI				DATE	09/09/1999

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: RW18 CLIMBING RIGHT TURN TO 2000 DIRECT KUTEE AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 239 TREE 305211N/0851108W ELTOP TO RW18: 3.04/37								
SEELY (IAF)	KUTEE (NOPT) (FB)	091.93 / 5.00	2000									
WALEN (IAF)	KUTEE (NOPT) (FB)	272.03 / 5.00	2000									
KUTEE (IF/IAF)	ELTOP (FB)	181.98 / 6.10	1800									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD N KUTEE, RT, 181.98 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>181.98</u> FAF: <u>ELTOP</u> DIST FAF TO MAP: <u>5.12</u> THLD: <u>5.12</u> 4. MIN. ALT: <u>KUTEE 2000, ELTOP 1800, JUMIG/2.30 NM TO RW18 880</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u> </u> TCH: <u>34:1 IS NOT CLEAR</u> 8. MSA FROM: <u> </u>				MAG VAR: <u>2W</u> EPOCH YEAR: <u>2000</u>								
MINIMUMS												
TAKEOFF:	☐ STANDARD	☒ X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @							
CATEGORY =====>	A		B		C		D		E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	520	1	410	520	1	410	520	1 1/4	410	520	1 1/4	410
CIRCLING	580	1	470	580	1	470	620	1 1/2	510	660	2	550
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BAINBRIDGE ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE LNAV CAT D VISIBILITY 1/4 MILE.												
CITY AND STATE MARIANNA, FL		ELEVATION: 110 TDZE: 110 AIRPORT NAME: MARIANNA MUNI		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 29 JUL 2010		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.

TAA

	FROM	TO	ALT
1.	092/30 CW 272/30 (NOPT)	092/10 CW 272/10	2500
2.	092/10 CW 272/10	KUTEE (IF/IAF) (FB)	2000
3.	272/30 CW 002/30	WALEN (IAF) (FB)	2000
4.	002/30 CW 092/30	002/10 CW 092/10	3100
5.	002/10 CW 092/10	SEELY (IAF) (FB)	2000

QUALITY
5
CHECKED

CITY AND STATE

MARIANNA, FL

ELEVATION: 110 TDZE: 110

AIRPORT NAME:

MARIANNA MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3	
SUSAP	KMAIK7FR18	AKUTEE	010KUTEEK7EA0EE	AR	HF		18200040	+	02000	18000		B	JS	
SUSAP	KMAIK7FR18	ASEELY	010SEELYK7EA0E	A	IF					18000		B	JS	
SUSAP	KMAIK7FR18	ASEELY	020KUTEEK7EA0EE	B	010TF		09190050	+	02000			B	JS	
SUSAP	KMAIK7FR18	AWALEN	010WALENK7EA0E	A	IF					18000		B	JS	
SUSAP	KMAIK7FR18	AWALEN	020KUTEEK7EA0EE	B	010TF		27200050	+	02000			B	JS	
SUSAP	KMAIK7FR18	R	010KUTEEK7EA0E	I	IF			+	02000	18000		B	JS	
SUSAP	KMAIK7FR18	R	020ELTOPK7EA1E	F	051TF		18200061	+	01800			B	JS	
SUSAP	KMAIK7FR18	R	020ELTOPK7EA2WN			N	ALNAV						JS	
SUSAP	KMAIK7FR18	R	021JUMIGK7EA0E	S	031TF		18200028	V	0088000884		-304	B	JS	
SUSAP	KMAIK7FR18	R	030RW18	K7PG0GY	M	031TF	18200023		00147		-304	B	JS	
SUSAP	KMAIK7FR18	R	040		0	M	010CA		1820	+	00510		B	JS
SUSAP	KMAIK7FR18	R	050KUTEEK7EA0EY	R010DF					02000			B	JS	
SUSAP	KMAIK7FR18	R	060KUTEEK7EA0EE	R020HM			18200040	+	02000			B	JS	

[illegible]

QUALITY
4
CHECKED

CITY AND STATE MARIANNA, FL	ELEVATION: 110 TDZE: 110 AIRPORT NAME: MARIANNA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD SE MAI VORTAC, LT, 316.15 INBOUND, 2000 FT. IN LIEU OF PT (IAF)				
3. FAC	316.15	FAF MAI VORTAC	DIST FAF TO MAP		3.96 THLD
4. MIN. ALT	MAI VORTAC 1800				
8. MSA FROM:	MAI VORTAC 2500				
					MAG VAR: 0E EPOCH YEAR: 1980

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

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

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
5
CHECKED

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

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	
MAI VORTAC	SOYYA NDB/MAI 7.28 DME	314.58 / 7.28	1800	MAP: 2.74 MILES AFTER SMY NDB/MAI 7.28 DME OR AT MAFBA/MAI 4.54 DME FIX
RRS VORTAC (IAF)	SUSAN INT/MAI 20.00 DME (NOPT)	172.33 / 15.89	2000	CLIMBING LEFT TURN TO 2500 VIA MAI R-353 TO OALDY INT/RRS 17.15 DME AND HOLD.
SUSAN INT/MAI 20.00 DME (IF)	SOYYA NDB/MAI 7.28 DME	134.58 / 12.72 (MAI R-315)	1800	ADDITIONAL FLIGHT DATA: HOLD SE, RT, 306.38 INBOUND. FAS OBST: 309 AAO 305128N/0851448W FAC CROSSES THLDS RWY 8 AND 18.

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD NW SMY NDB, RT, 134.58 INBOUND, 1800 FT. IN LIEU OF PT (IAF)				
3. FAC	134.58	FAF SOYYA NDB/MAJ 7.28 DME	DIST FAF TO MAP		2.74 THLD
4. MIN. ALT	SOYYA NDB/MAJ 7.28 DME 1800				
8. MSA FROM:	MAJ VORTAC 2500				

EPOCH YEAR:1980

MINIMUMS

[illegible]

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART NOTE: ADF OR DME REQUIRED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BAINBRIDGE ALTIMETER SETTING.

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE MARIANNA, FL	ELEVATION: 110 TDZE: AIRPORT NAME: MARIANNA MUNI	FACILITY IDENTIFIER: MAI	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-B, AMDT 5 29 JUL 2010	SUP	VOR OR GPS-B
				AMDT	4
				DATE	09/09/1999

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
INDIA	COMET (FB)	063.07 / 20.66	14000
COMET	EARTH (FB)	316.72 / 18.99	4600
EARTH (IAF)	ROCIT (FB)	250.33 / 6.03	2500
ROCIT (IF)	STARS (FB)	154.94 / 6.10	1500

LNAV: RW15

CLIMB TO 8000 DIRECT JOMOV AND ON TRACK 070.25 TO COMET AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 270.00 INBOUND.
CHART FAS OBST: 106 TREE 283804N/0804220W
CHART: CAPE CANAVERAL AFS SKID STRIP
CHART R-2932, R-2933, R-2934, R-2935.
CHART VDP AT 0.92 MILES TO RW15.
STARS TO RW15: 3.03/55.

- PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT ROCIT
- FAC: 154.97 FAF: STARS DIST FAF TO MAP: 4.46 THLD: 4.46
- MIN. ALT: ROCIT 2500, STARS 1500, HUMKO/1.50 NM TO RW15 540
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW15 3000

MAG VAR: 5W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT		ALTERNATE: N A				STANDARD @					
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	360	1	350	360	1	350	360	1	350	360	1	350	360	1	350
CIRCLING	420	1	410	460	1	450	460	1 1/2	450	940	3	930	940	3	930

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CATS A/B/C.
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV CATS D/E VISIBILITY TO 1 1/4 MILE.
SEE 8260-10

@ CAT D, E 1000-3
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
4
CHECKED

CITY AND STATE TITUSVILLE, FL	ELEVATION: 10 TDZE: 10 AIRPORT NAME: NASA SHUTTLE LANDING FACILITY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, ORIG 29 JUL 2010	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: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MELBOURNE ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.

CHART NOTE: VDP NA WHEN USING MELBOURNE ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE ALSF WHEN USING MELBOURNE ALTIMETER SETTING, INCREASE LNAV CAT C VISIBILITY TO 1 1/4 MILE AND LNAV CAT E VISIBILITY TO 1 1/2 MILE.

CITY AND STATE

TITUSVILLE, FL

ELEVATION: 10

TDZE: 10

AIRPORT NAME:

NASA SHUTTLE LANDING FACILITY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 15, ORIG

29 JUL 2010

SUP:

AMDT:

NONE

DATED:

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KTTSK7FR15	ACOMET	010COMETK7EA0E	IF							18000		B JS	
SUSAP KTTSK7FR15	ACOMET	020EARTHK7EA0E	A 020TF			31670190		+ 04600				B JS	
SUSAP KTTSK7FR15	ACOMET	030ROCITK7EA0EE	B 010TF			25030060		+ 02500				B JS	
SUSAP KTTSK7FR15	AINDIA	010INDIAK7EA0E	IF							18000		B JS	
SUSAP KTTSK7FR15	AINDIA	020COMETK7EA0E	020TF			06310207		+ 14000				B JS	
SUSAP KTTSK7FR15	AINDIA	030EARTHK7EA0E	AL020TFY			31670190		+ 04600				B JS	
SUSAP KTTSK7FR15	AINDIA	040ROCITK7EA0EE	B 010TF			25030060		+ 02500				B JS	
SUSAP KTTSK7FR15	R	010ROCITK7EA0E	I IF					+ 02500		18000		B JS	
SUSAP KTTSK7FR15	R	020STARSK7EA1E	F 051TF			15490061		+ 01500			RW15	K7PGB JS	
SUSAP KTTSK7FR15	R	020STARSK7EA2WN		N	ALNAV							JS	
SUSAP KTTSK7FR15	R	021HUMKOK7EA0E	S 031TF			15500030		V 0054000548		-303		B JS	
SUSAP KTTSK7FR15	R	030RW15 K7PG0GY	M 031TF			15500015		00063		-303		B JS	
SUSAP KTTSK7FR15	R	040	0 M 010CA			1550		+ 00360				B JS	
SUSAP KTTSK7FR15	R	050JOMOVK7EA0E	010DF									B JS	
SUSAP KTTSK7FR15	R	060COMETK7EA0EY	010TF			0703		+ 08000				B JS	
SUSAP KTTSK7FR15	R	070COMETK7EA0EE	RO20HM			27000070		+ 08000				B JS	

QUALITY
4
CHECKED

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

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

QUALITY
4
CHECKED

PAGE 4 OF 4 PAGES

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES					MISSED APPROACH				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: LEUNA					
INDIA	COMET (FB)	063.07 / 20.66	14000	CLIMB TO 8000 DIRECT MISSL AND RIGHT TURN ON TRACK 079.01 TO BLKHL AND ON TRACK 132.82 TO COMET AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000. ADDITIONAL FLIGHT DATA: HOLD E, RT, 270.00 INBOUND. FAS OBST: 209 AAO 283240N/0803939W CHART: CAPE CANAVERAL AFS SKID STRIP CHART R-2932, R-2933, R-2934, R-2935. CHART VDP AT 1.49 MILES TO RW33. SPACS TO RW33: 3.01/55. FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.					
COMET	MOONS (FB)	168.60 / 14.98	8000						
MOONS (IAF)	ORRBT (FB)	259.11 / 13.00	4800						
ORRBT (IF)	SPACS (FB)	349.04 / 12.99	1500						

1. PT <u>NA</u> SIDE OF COURSE		OUTBOUND		FT WITHIN		MILES OF		(IAF)
2. PROFILE STARTS AT ORRBT								
3. FAC: <u>349.01</u>		FAF: <u>SPACS</u>		DIST FAF TO MAP: <u>4.01</u>		THLD: <u>4.49</u>		
4. MIN. ALT: <u>ORRBT 4800, SPACS 1500</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>LEUNA 3000</u>								

MINIMUMS															
TAKEOFF: _____	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT			ALTERNATE: N A	STANDARD @							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	540	1	530	540	1	530	540	1	530	540	1 1/4	530	540	1 1/4	530
CIRCLING	540	1	530	540	1	530	540	1 1/2	530	940	3	930	940	3	930

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CATS A/B.

CHART NOTE: FOR INOPERATIVE ALSF, INCREASE LNAV CAT E VISIBILITY TO 1 3/4 MILE.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

SEE 8260-10

@ CAT D, E 1000-3

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 10 TDZE: 10	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
TITUSVILLE, FL	AIRPORT NAME:		RNAV (GPS) RWY 33, ORIG	AMDT: NONE
	NASA SHUTTLE LANDING FACILITY		29 JUL 2010	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: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MELBOURNE ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE LNAV CATS C AND D, AND CIRCLING CAT C VISIBILITY 1/4 MILE, INCREASE LNAV CAT E VISIBILITY 1/2 MILE.

CHART NOTE: VDP NA WHEN USING MELBOURNE ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE ALSF WHEN USING MELBOURNE ALTIMETER SETTING, INCREASE LNAV CAT E VISIBILITY TO 1 3/4.

CITY AND STATE

TITUSVILLE, FL

ELEVATION: 10 TDZE: 10

AIRPORT NAME:

NASA SHUTTLE LANDING FACILITY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KTTSK7FR33	ACOMET	010COMETK7EA0E	IF						18000			B JS	
SUSAP KTTSK7FR33	ACOMET	020MOONSK7EA0E	A 020TF			16860150		+ 08000				B JS	
SUSAP KTTSK7FR33	ACOMET	030ORRBTK7EA0EE	BR010TFY			25910130		+ 04800				B JS	
SUSAP KTTSK7FR33	AINDIA	010INDIAK7EA0E	IF						18000			B JS	
SUSAP KTTSK7FR33	AINDIA	020COMETK7EA0E	020TF			06310207		+ 14000				B JS	
SUSAP KTTSK7FR33	AINDIA	030MOONSK7EA0E	AR020TFY			16860150		+ 08000				B JS	
SUSAP KTTSK7FR33	AINDIA	040ORRBTK7EA0EE	BR010TFY			25910130		+ 04800				B JS	
SUSAP KTTSK7FR33	R	010ORRBTK7EA0E	I IF					+ 04800	18000			B JS	
SUSAP KTTSK7FR33	R	020SPACSK7EA1E	F 051TF			34900130		+ 01500			LEUNA K7EAB	JS	
SUSAP KTTSK7FR33	R	020SPACSK7EA2WN		N	ALNAV							JS	
SUSAP KTTSK7FR33	R	030LEUNAK7EA0EY	M 031TF			34900040		00221		-301		B JS	
SUSAP KTTSK7FR33	R	040	0 M 010CA			3490		+ 00410				B JS	
SUSAP KTTSK7FR33	R	050MISSLK7EA0E	010DF									B JS	
SUSAP KTTSK7FR33	R	060BLKHLK7EA0E	R010TFY			0790						B JS	
SUSAP KTTSK7FR33	R	070COMETK7EA0EY	010TF			1328		+ 08000				B JS	
SUSAP KTTSK7FR33	R	080COMETK7EA0EE	R020HM			27000070		+ 08000				B JS	

QUALITY
A
CHECKED

CITY AND STATE TITUSVILLE, FL	ELEVATION: 10 TDZE: 10 AIRPORT NAME: NASA SHUTTLE LANDING FACILITY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

QUALITY
4
CHECKED

CITY AND STATE TITUSVILLE, FL	ELEVATION: 10 TDZE: 10	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: NASA SHUTTLE LANDING FACILITY			AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION 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	MAP: GHOST/TTS 1.00 DME FIX											
HUBLE/13.10 DME/RADAR (IF)	KENNE/7.00 DME/RADAR	140.00 / 6.10 (TTS R-320)	2100	CLIMB TO 2000 ON TTS TACAN R-158 TO SHUTL/7.00 DME/RADAR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 337.99 INBOUND. CHART FAS OBST: 109 TREE 283845N/0804133W CHART R-2932, R-2933, R-2934, R-2935. CHART VDP AT 1.62 DME; DISTANCE VDP TO THLD 0.99 MILES. KENNE TO RW15: 3.02/55. FAC 484L OF RWY C/L EXTENDED 3000 FROM THLD.											
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT HUBLE/13.10 DME/RADAR 3. FAC <u>140.00</u> FAF <u>KENNE/7.00 DME/RADAR</u> DIST FAF TO MAP <u> </u> THLD <u>6.35</u> 4. MIN. ALT <u>HUBLE 2500, KENNE 2100, JOKDU/2.20 DME 560</u> 6. MSA FROM: <u>TTS TACAN 3000</u>					MAG VAR: 0E 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		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-15	380	1	370	380	1	370	380	1	370	380	1	370	380	1	370
CIRCLING	420	1	410	460	1	450	460	1 1/2	450	940	3	930	940	3	930
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-15 CATS A/B/C. CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-15 CATS D/E VISIBILITY TO 1 1/4 MILE. SEE 8260-10															
CITY AND STATE				ELEVATION: 10 TDZE: 10		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP			
TITUSVILLE, FL				AIRPORT NAME:		TTS		TACAN RWY 15, ORIG				AMDT NONE			
				NASA SHUTTLE LANDING FACILITY				29 JUL 2010				DATE			

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.

NOTES CONT.

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

CHART NOTE: VDP NA WHEN USING MELBOURNE ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE ALSF WHEN USING MELBOURNE ALTIMETER SETTING, INCREASE S-15 CAT C VISIBILITY TO 1 1/4 MILE AND CAT E VISIBILITY TO 1 1/2 MILE.

CITY AND STATE

TITUSVILLE, FL

ELEVATION: 10

TDZE: 10

AIRPORT NAME:

NASA SHUTTLE LANDING FACILITY

FACILITY
IDENTIFIER:

TTS

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

TACAN RWY 15, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION 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		MAP: TTS 1.88 DME FIX							
TREKY/13.10 DME/RADAR (IF)		SHUTL/7.00 DME/RADAR		337.99 / 6.10 (TTS R-158)				1700		CLIMB TO 2100 ON TTS TACAN R-320 TO KENNE/7.00 DME/RADAR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 140.00 INBOUND. FAS OBST: 209 AAO 283240N/0803939W CHART 314 TOWER 283106N/0803925W. CHART R-2932, R-2933, R-2934, R-2935. CHART VDP AT 3.56 DME; DISTANCE VDP TO THLD 1.68 MILES. SHUTL TO RW33: 3.01/55. FAC CROSSES RWY C/L EXTENDED 597 FROM THLD.							
1. PT <u>NA</u> SIDE OF COURSE <u>OUTBOUND</u> <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT TREKY/13.10 DME/RADAR 3. FAC <u>337.99</u> FAF <u>SHUTL/7.00 DME/RADAR</u> DIST FAF TO MAP <u> </u> THLD <u>5.12</u> 4. MIN. ALT <u>TREKY 2500, SHUTL 1700</u> 8. MSA FROM: <u>TTS TACAN 3000</u>														MAG VAR: 0E		EPOCH YEAR: 1995	
MINIMUMS																	
TAKEOFF: ☐		STANDARD ☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: <u>NA</u>		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-33	600	1	590	600	1	590	600	1	590	600	1 1/4	590	600	1 1/2	590		
CIRCLING	600	1	590	600	1	590	600	1 1/2	590	940	3	930	940	3	930		
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: RADAR REQUIRED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-33 CATS A/B. CHART NOTE: FOR INOPERATIVE ALSF, INCREASE S-33 CAT E VISIBILITY TO 2 MILES. SEE 8260-10																	
CITY AND STATE TITUSVILLE, FL				ELEVATION: 10 TDZE: 10 AIRPORT NAME: NASA SHUTTLE LANDING FACILITY				FACILITY IDENTIFIER: TTS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: TACAN RWY 33, ORIG 29 JUL 2010				SUP			
														AMDT NONE			
														DATE			

 QUALITY
4
CHECKED

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.

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MELBOURNE ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; INCREASE S-33 CATS C/D/E VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING MELBOURNE ALTIMETER SETTING.

CHART NOTE: FOR INOPERATIVE ALSF WHEN USING MELBOURNE ALTIMETER SETTING, INCREASE S-33 CAT E VISIBILITY TO 2 1/4 MILES.

CITY AND STATE

TITUSVILLE, FL

ELEVATION: 10 TDZE: 10

AIRPORT NAME:

NASA SHUTTLE LANDING FACILITY

FACILITY
IDENTIFIER:

TTS

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

TACAN RWY 33, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:
RWY 15, 33 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:
RWY 15 - CLIMB HEADING 154.99 TO 700 FT BEFORE TURNING EASTBOUND.

(3) TAKEOFF OBSTACLE NOTES:
NOTE: RWY 15, TREES BEGINNING 2177' FROM DER, ACROSS CENTERLINE, UP TO 100' AGL/104' MSL.
NOTE: RWY 33, TREES BEGINNING 445' FROM DER, 482' RIGHT OF CENTERLINE, UP TO 100' AGL/106' MSL. TREES BEGINNING 1,275' FROM DER, 80' LEFT OF CENTERLINE, UP TO 100' AGL/106' MSL.

(4) CONTROLLING OBSTACLES:
RWY 15: 583 MSL BUILDING 283509.00N/0803902.00W



(5) City, State TITUSVILLE, FL	(6) Airport NASA SHUTTLE LANDING FACILITY	(7) Effective Date 29 JUL 2010	(8) Amdt. No. 1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.27					Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES					MISSED APPROACH										
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: HOE NDB											
AYS VORTAC	HOE NDB	220.97 / 16.95	2300	CLIMBING RIGHT TURN TO 1800 IN HOE NDB HOLDING PATTERN. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 134.77 INBOUND. CHART FAS OBST: 299 TREE 310300N/0824800W MUZLR TO RW14: 2.96/40 CHART WAYCROSS AWOS-3 CHART 436 TOWER 310553.00N/0824911.00W FAC CROSSES RWY C/L EXTENDED 2998 FROM THLD.											
TAY VORTAC	HOE NDB	344.10 / 34.87	2000												
1. PT <u>L</u> SIDE OF COURSE <u>314.77</u> OUTBOUND <u>1800</u> FT WITHIN <u>10</u> MILES OF <u>HOE NDB</u> (IAF) 2. _____ 3. FAC <u>134.77</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT <u>MUZLR INT 880*</u> 8. MSA FROM: <u>HOE NDB 315-090 2300, 090-315 1800</u>					MAG VAR: 3W EPOCH YEAR: 1985										
MINIMUMS															
TAKEOFF:	☐ STANDARD	☒ X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE:	N	☒ 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-14	880	1	694	880	1	694	880	2	694	880	2 1/4	694			
CIRCLING	880	1	694	880	1	694	880	2	694	880	2 1/4	694			
MUZLR FIX MINIMUMS															
S-14	660	1	474	660	1	474	660	1 1/4	474	660	1 1/2	474			
CIRCLING	760	1	574	760	1	574	800	1 3/4	614	800	2	614			
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: USE WAYCROSS ALTIMETER SETTING; WHEN NOT RECEIVED, USE VALDOSTA RGNL ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET CHART PROFILE NOTE: *900 WHEN USING VALDOSTA RGNL ALTIMETER SETTING															
CITY AND STATE		ELEVATION: 186 TDZE: 186		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP NDB OR GPS RWY					
HOMERVILLE, GA		AIRPORT NAME:		HOE		NDB RWY 14, AMDT 2				14					
		HOMERVILLE				29 JUL 2010				AMDT 1A					
										DATE 07/03/1986					

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: RW14 CLIMB TO 2000 DIRECT UPLAN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 318.46 INBOUND. CHART FAS OBST: 299 TREE 310345N/0824738W CHART FAS OBST: 299 TREE 310351N/0824717W DISTANCE TO THLD FROM 309 HAT: 0.85 NM. WAAS CHANNEL # 69518 REFERENCE PATH ID: W14A CHART WAYCROSS AWOS-3							
UPTON		MABYK (FB)		197.95 / 15.49				3000									
AYS VORTAC		MABYK (FB)		270.26 / 16.03				3000									
MABYK (IAF)		DEXBU (NOPT) (FB)		228.34 / 5.00				2000									
DEXBU (IF/IAF)		EDUVE (FB)		138.30 / 6.10				2000									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. <u>HOLD NW DEXBU, RT, 138.30 INBOUND, 2000 FT. IN LIEU OF PT (IAF)</u> 3. FAC: <u>138.34</u> FAF: <u>EDUVE</u> DIST FAF TO MAP: <u>5.49</u> THLD: <u>5.49</u> 4. MIN. ALT: <u>DEXBU 2000, EDUVE 2000, LADAW/1.90 NM TO RW14 820*</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>EDUVE 2000</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>RW14 2300</u>										MAG VAR: 3W		EPOCH YEAR: 1985					
MINIMUMS																	
TAKEOFF: ☐ STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT ☐ ALTERNATE: N A ☒																	
CATEGORY =====>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	495	1	309	495	1	309	495	1	309	495	1	309					
LNAV/VNAV DA	659	1 3/4	473	659	1 3/4	473	659	1 3/4	473	659	1 3/4	473					
LNAV MDA	620	1	434	620	1	434	620	1 1/4	434	620	1 1/2	434					
CIRCLING	760	1	574	760	1	574	800	1 3/4	614	800	2	614					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *LNAV ONLY CHART NOTE: USE WAYCROSS ALTIMETER SETTING; WHEN NOT RECEIVED, USE VALDOSTA RGNL ALTIMETER SETTING SEE 8260-10																	
CITY AND STATE				ELEVATION: 186 TDZE: 186				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
HOMERVILLE, GA				AIRPORT NAME: HOMERVILLE				RNAV				RNAV (GPS) RWY 14, ORIG 29 JUL 2010				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.

AND INCREASE ALL DA 14 FEET AND ALL MDA 20 FEET AND INCREASE LPV ALL CATS VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV NA

QUALITY
4
CHECKED

CITY AND STATE

HOMERVILLE, GA

ELEVATION: 186 TDZE: 186

AIRPORT NAME:

HOMERVILLE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KHOE
RUNWAY RW14
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W14A
LTP/FTP LATITUDE 310335.3465N
LTP/FTP LONGITUDE 0824643.0625W
LTP/FTP ELLIPSOIDAL HEIGHT +00286
FPAP LATITUDE 310231.7800N
FPAP LONGITUDE 0824530.2100W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1528
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

6231A792

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K7
LTP ORTHOMETRIC HEIGHT +00566
FPAP ORTHOMETRIC HEIGHT +00566

QUALITY
4
CHECKED

CITY AND STATE

HOMERVILLE, GA

ELEVATION: 186

TDZE: 186

AIRPORT NAME:

HOMERVILLE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

DATED:

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

QUALITY
4
CHECKED

PAGE 5 OF 5 PAGES

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE									
TAY VORTAC	INIGE (FB)	345.48 / 22.06	3000	LPV: DA LNAV/VNAV: DA LNAV: RW32 CLIMB TO 2000 DIRECT DEXBU AND HOLD.								
AYS VORTAC	JUSUP (FB)	180.83 / 17.75	3000									
INIGE (IAF)	UPLAN (NOPT) (FB)	048.42 / 5.00	2000	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 138.30 INBOUND. CHART FAS OBST: 326 TOWER 310208N/0824539W CHART FAS OBST: 592 TOWER 310047N/0824516W DISTANCE TO THLD FROM 343 HAT: 0.92 NM. WAAS CHANNEL # 61318 REFERENCE PATH ID: W32A CHART WAYCROSS AWOS-3								
JUSUP (IAF)	UPLAN (NOPT) (FB)	228.50 / 5.00	2000									
UPLAN (IF/IAF)	SOSRE (FB)	318.46 / 6.10	2000									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SE UPLAN, RT, 318.46 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>318.42</u> FAF: <u>SOSRE</u> DIST FAF TO MAP: <u>5.45</u> THLD: <u>5.45</u> 4. MIN. ALT: <u>UPLAN 2000, SOSRE 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>SOSRE 2000</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 NOT CLEAR 8. MSA FROM: <u>RW32 2300</u>				MAG VAR: 3W EPOCH YEAR: 1985								
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
LPV DA	529	1 1/4	343	529	1 1/4	343	529	1 1/4	343	529	1 1/4	343
LNAV/VNAV DA	729	2	543	729	2	543	729	2	543	729	2	543
LNAV MDA	800	1	614	800	1	614	800	1 3/4	614	800	2	614
CIRCLING	800	1	614	800	1	614	800	1 3/4	614	800	2	614

NOTES:
 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: USE WAYCROSS ALTIMETER SETTING; WHEN NOT RECEIVED, USE VALDOSTA RGNL ALTIMETER SETTING
 SEE 8260-10

CITY AND STATE	ELEVATION: 186 TDZE: 186	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
HOMERVILLE, GA	AIRPORT NAME: HOMERVILLE		RNAV (GPS) RWY 32, ORIG	AMDT: NONE
			29 JUL 2010	DATED

QUALITY
5
CHECKED

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

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

NOTES CONT.**AND INCREASE ALL DA 14 FEET AND ALL MDA 20 FEET****CHART NOTE: BARO-VNAV NA****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT AYS VORTAC ON V243 AND T207 NORTHWEST BOUND**

QUALITY
5
CHECKED

CITY AND STATE HOMERVILLE, GA	ELEVATION: 186 TDZE: 186 AIRPORT NAME: HOMERVILLE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE
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
KHOF
RW32
0
0
W32A
310307.1680N
0824610.7640W
+00276
310410.7300N
0824723.6300W
00055.0
F
03.00
106.75
1528
40.0
50.0

CRC REMAINDER

C8B20DF9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K7
+00557
+00557

QUALITY
5
CHECKED

CITY AND STATE
HOMERVILLE, GA

ELEVATION: 186 TDZE: 186
AIRPORT NAME:
HOMERVILLE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32, ORIG
29 JUL 2010

SUP:
AMDT: NONE
DATED:

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

[illegible]

QUALITY
4
CHECK

CITY AND STATE HOMERVILLE, GA	ELEVATION: 186 TDZE: 186 AIRPORT NAME: HOMERVILLE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KHOEK7GRW32	0040003184 N31030717W082461076+0100 +0027600183000055075R												

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KHOEK7PR32	RW32 001 0000W32A0N3103071680W08246107640+002760300N3104107300W08247236300106751528000550F400500C8B20DF9												
SUSAP KHOEK7PR32	RW32 002E +00557+00557LPV 61318												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KHOEK7SRW32 K7PG	0 18018002325 M												

QUALITY
4
CHECKED

CITY AND STATE
HOMERVILLE, GA

ELEVATION: 186 TDZE: 186
 AIRPORT NAME:
 HOMERVILLE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 32, ORIG
 29 JUL 2010

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:
RWY 14, 32 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:
RWY 14: CLIMB HEADING 138.38 TO 700 FEET BEFORE PROCEEDING ON COURSE

(3) TAKEOFF OBSTACLE NOTES: RWY 14: VEHICLE ON ROAD 56' FROM DER, 443' RIGHT OF CENTERLINE, UP TO 15' AGL/200' MSL. VEHICLE ON ROAD 161' FROM DER, 532' LEFT OF CENTERLINE, UP TO 15' AGL/197' MSL. TREES BEGINNING 114' FROM DER, 492' RIGHT OF CENTERLINE, UP TO 100' AGL/279' MSL. TREES BEGINNING 2023' FROM DER, 183' LEFT OF CENTERLINE, UP TO 93' AGL/268' MSL. TOWER 2807' FROM DER, 446' LEFT OF CENTERLINE, 111' AGL/287' MSL.
RWY 32: VEHICLE ON ROAD 270' FROM DER, 562' RIGHT OF CENTERLINE, UP TO 15' AGL/200' MSL. TREES BEGINNING 322' FROM DER, 323' RIGHT OF CENTERLINE, UP TO 100' AGL/289' MSL. TREES BEGINNING 129' FROM DER, 395' LEFT OF CENTERLINE, UP TO 100' AGL/299' MSL.

(4) CONTROLLING OBSTACLES:
RWY 14: 591 MSL TOWER 310047.00N/0824516.00W



(5) City, State HOMERVILLE, GA	(6) Airport HOMERVILLE	(7) Effective Date 29 JUL 2010	(8) Amdt. No. ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.23

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JOPXU/AYS 7.00 DME CW (IAF)	SHERS/AYS 7.00 DME	7.00 DME ARC	2300
AYS VORTAC (IAF)	SHERS/AYS 7.00 DME	221.00 / 7.00	2300
SHERS/AYS 7.00 DME (IF)	ARIAL/AYS 13.00 DME	221.00 / 6.00 (AYS R-221)	1700

MISSED APPROACH

MAP: MAGY/VAYS 16.97 DME FIX

CLIMBING RIGHT TURN TO 2300 HEADING 071 AND AYS R-221 TO AYS VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:

**HOLD NW, LT, 116.00 INBOUND.
 CHART FAS OBST: 474 TOWER 310337N/0824311W
 CHART AYS R-180 AT JOPXU.
 FAC CROSSES MID POINT OF RWY 14-32
 CHART WAYCROSS AWOS-3**

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. PROFILE STARTS AT SHERS/AYS 7.00 DME
3. FAC 221.00 FAF ARIAL/AYS 13.00 DME DIST FAF TO MAP THLD
4. MIN. ALT SHERS 2300, ARIAL 1700
8. MSA FROM: AYS VORTAC 2300

MAG VAR: 0E

EPOCH YEAR: 1965

MINIMUMS

TAKEOFF: ☐	STANDARD ☒	X ☐	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N ☐	A ☐	X ☐							
CATEGORY =====>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
CIRCLING	760	1	574	760	1	574	800	1 1/2	614	800	2	614				

NOTES:

CHART NOTE: USE WAYCROSS ALTIMETER SETTING; WHEN NOT RECEIVED, USE VALDOSTA RGNL ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET.

QUALITY
5
CHECKED

CITY AND STATE HOMERVILLE, GA	ELEVATION: 186 TDZE: AIRPORT NAME: HOMERVILLE	FACILITY IDENTIFIER: AYS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME-A, AMDT 4 29 JUL 2010	SUP VOR/DME OR GPS- A AMDT 3A DATE 07/03/1986

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: RW21								
CENVA	FINAN (FO)	054.76 / 26.37		3000		CLIMBING RIGHT TURN TO 3000 DIRECT FINAN AND HOLD.										
DBN VORTAC (IAF)	FINAN (NOPT) (FB)	175.89 / 17.05		3000												
FINAN (IF/IAF)	OTUVE (FB)	205.83 / 6.20		2000												
						ADDITIONAL FLIGHT DATA: FAS OBST: 449 AAO 320933N/0825127W 469 AAO 321117N/0824954W CHART VIDALIA AWOS-3 OTUVE TO RW21: 3.13/39.										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. HOLD NE FINAN, RT, 205.83 INBOUND, 3000 FT. IN LIEU OF PT (IAF)																
3. FAC: 205.80 FAF: OTUVE DIST FAF TO MAP: 5.33 THLD: 5.33																
4. MIN. ALT: FINAN 3000, OTUVE 2000																
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: RW21 2300																
MAG VAR: 3W EPOCH YEAR: 1985																
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		780	1	578	780	1	578	780	1 1/2	578	780	1 3/4	578			
CIRCLING		820	1	617	820	1	617	820	1 3/4	617	960	2 1/2	757			
NOTES:																
CHART NOTE: DME/DME RNP-0.3 NA.																
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.																
CHART NOTE: USE VIDALIA ALTIMETER SETTING; WHEN NOT RECEIVED, USE ALMA ALTIMETER SETTING AND INCREASE ALL MDA 20 FT.																
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON DBN VORTAC AIRWAY RADIALS 147 CW 170.																
CITY AND STATE				ELEVATION: 203 TDZE: 202				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1				SUP:
MC RAE, GA				AIRPORT NAME: TELFAIR-WHEELER								29 JUL 2010				AMDT: ORIG
																DATED 12/20/2007

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

[illegible]

QUALITY
4
CHECKED

CITY AND STATE MC RAE, GA	ELEVATION: 203 TDZE: 202 AIRPORT NAME: TELFAIR-WHEELER	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, AMDT 1 29 JUL 2010	SUP:	
				AMDT:	ORIG
				DATED:	12/20/2007

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

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

[illegible]

4

MC RAE, GA

AIRPORT NAME:

TELFAR-WHEELER

FACILITY IDENTIFIER:
RNAV

RNAV (GPS) RWY 21, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 12/20/2007

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 03, 21 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 21- CLIMB VIA HEADING 205.80 TO 700 BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 3, TREES BEGINNING 1260' FROM DER, 207' LEFT OF CENTERLINE, UP TO 100' AGL/303' MSL. VEHICLE ON ROADWAY 2735' FROM DER, 720' RIGHT OF CENTERLINE, 15' AGL/264' MSL.

NOTE : RWY 21, VEHICLES ON ROADWAY BEGINNING ABEAM DER, 301' LEFT OF CENTERLINE, UP TO 15' AGL/224' MSL. TREES BEGINNING 79' FROM DER, 457' LEFT OF CENTERLINE, UP TO 100' AGL/266' MSL. SILO 1665' FROM DER, 927' LEFT OF CENTERLINE, 100' AGL/307' MSL. VEHICLES ON ROADWAY BEGINNING 125' FROM DER, 523' RIGHT OF CENTERLINE, UP TO 15' AGL/234' MSL. TREES BEGINNING 543' FROM DER, 397' RIGHT OF CENTERLINE, UP TO 100' AGL/276' MSL.

(4) CONTROLLING OBSTACLES:

RWY 21: 706 MSL TOWER 320408.00N/0825559.00W.

(5) City, State MC REA, GA	(6) Airport TELFAIR-WHEELER	(7) Effective Date 29 JUL 2010	(8) Amdt. No. 1

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.25								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 5.92 MILES AFTER EWABE LOM/HNL 6.71 DME/RADAR CLIMBING RIGHT TURN TO 5000 VIA HEADING 200 AND HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000. ADDITIONAL FLIGHT DATA: HOLD S, RT, 351.00 INBOUND. FAS OBST: 208 SHIP 211933N/1575805W CHART HNL R-171 AT ALANA. EWABE LOM TO RW8L: 3.06/65. CHART: MAX 6000 AT EWABE LOM							
HNL VORTAC		EWABE LOM		267.52 / 6.71				4000									
ALANA INT/HNL 13.94 DME CW (IAF)		CIGEP/HNL 13.94 DME/RADAR (NOPT)		13.94 DME ARC (HNL LR-254)				4200									
SELIC/HNL 15.59 DME/RADAR (IAF)		CIGEP/HNL 13.94 DME/RADAR (NOPT)		079.00 / 1.66 (I-HNL)				4200									
CIGEP/HNL 13.94 DME/RADAR (IF)		FEGTU/HNL 7.80 DME/RADAR		079.00 / 6.17 (I-HNL)				2300									
FEGTU/HNL 7.80 DME/RADAR		EWABE LOM/HNL 6.71 DME/RADAR		079.00 / 1.10 (I-HNL)				2000									
1. PT <u>L</u> SIDE OF COURSE <u>259.00</u> OUTBOUND <u>3900</u> FT WITHIN <u>10</u> MILES OF <u>EWABE LOM</u> (IAF) 2. _____ 3. FAC <u>079.00</u> FAF EWABE LOM/HNL 6.71 DME/RADAR DIST FAF TO MAP <u>5.92</u> THLD <u>5.92</u> 4. MIN. ALT <u>FEGTU 2300, EWABE LOM/HNL 6.71 DME/RADAR 2000</u> 8. MSA FROM: HN LOM 360-180 4400, 180-270 3900, 270-360 5300														MAG VAR: 11E		EPOCH YEAR: 1990	
MINIMUMS																	
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @					
CATEGORY >>>>>		A			B			C			D			E			
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-8L		460	1/2	447	460	1/2	447	460	3/4	447	460	1	447				
CIRCLING		620	1	607	620	1	607	620	1 3/4	607	820	2 1/2	807				
NOTES: CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALANA VIA V16 EASTBOUND. CHART NOTE: CIRCLING NA FOR CATS A, B, AND C NORTHWEST OF RWYS 8L AND 22R. CIRCLING NA FOR CAT D NORTH OF RWY 8L-26R. CHART NOTE: DME FROM HNL VORTAC. SIMULTANEOUS RECEPTION OF I-HNL AND HNL DME REQUIRED.																	
CITY AND STATE				ELEVATION: 13 TDZE: 13				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP	
HONOLULU, HI				AIRPORT NAME:				I-HNL				LOC RWY 8L, ORIG-A				AMDT ORIG	
				HONOLULU INTL								29 JUL 2010				DATE 06/03/2010	



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH										
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW14										
UJWIG (IAF)		QECQI (NOPT) (FB)		225.93 / 5.00				3600		CLIMB TO 3900 DIRECT EVHAP AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 316.09 INBOUND. FAS OBST: 1485 AAO 411934N/0954841W 1570 AAO 411946N/0955004W. KAJQU TO RW14: 3.04/30.										
OFOYI (IAF)		QECQI (NOPT) (FB)		045.81 / 5.00				3600												
QECQI (IF/IAF)		KAJQU (FB)		135.87 / 6.07				2900												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW QECQI, RT, 135.87 INBOUND, 3600 FT. IN LIEU OF PT (IAF) 3. FAC: 135.92 FAF: KAJQU DIST FAF TO MAP: 5.05 THLD: 5.05 4. MIN. ALT: QECQI 3600, KAJQU 2900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: _____										MAG VAR: 5E EPOCH YEAR: 2000										
MINIMUMS																				
TAKEOFF:		STANDARD		X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A		STANDARD @									
CATEGORY =====>		A			B			C			D			E						
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LNAV MDA		1780	1	535	1780	1	535	1780	1 1/2	535	1780	1 3/4	535							
CIRCLING		1780	1	527	1780	1	527	1840	1 1/2	587	1840	2	587							
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPPELY AIRFIELD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.																				
CITY AND STATE COUNCIL BLUFFS, IA		ELEVATION: 1253 TDZE: 1245 AIRPORT NAME: COUNCIL BLUFFS MUNI				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, AMDT 2 29 JUL 2010						SUP: AMDT: 1 DATED 05/07/2009						

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

TAA

	FROM	TO	ALT
1.	046/30 CW 226/30 (NOPT)	QECQI (IF/IAF) (FB)	3600
2.	226/30 CW 316/30	UJWIG (IAF) (FB)	3900
3.	316/30 CW 046/30	OFOYI (IAF) (FB)	4000

QUALITY
2
CHECKED

CITY AND STATE

COUNCIL BLUFFS, IA

ELEVATION: 1253 TDZE: 1245

AIRPORT NAME:

COUNCIL BLUFFS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14, AMDT 2

29 JUL 2010

SUP:

AMDT: 1

DATED: 05/07/2009

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

[illegible]

E0031	NAR	EVHAP
E0032	NAR	KAJQU
E0034	NAR	OFOYI
E0033	NAR	QECQI
E0032	NAR	UJWIG

[illegible]

1800018000C MNAR COUNCIL BLUFFS MUNI

[illegible]

SUSAP	KCBFK3FR14	AOFOYI	0100FOYIK3EA0E	A	IF				18000	B	JS	
SUSAP	KCBFK3FR14	AOFOYI	020QECQIK3EA0EE	B	010TF	04580050	+	03600		B	JS	
SUSAP	KCBFK3FR14	AQECQI	010QECQIK3EA0EE	AR	HF	13590040	+	03600	18000	B	JS	
SUSAP	KCBFK3FR14	AUJWIG	010UJWIGK3EA0E	A	IF				18000	B	JS	
SUSAP	KCBFK3FR14	AUJWIG	020QECQIK3EA0EE	B	010TF	22590050	+	03600		B	JS	
SUSAP	KCBFK3FR14	R	010QECQIK3EA0E	I	IF		+	03600	18000	B	JS	
SUSAP	KCBFK3FR14	R	020KAJQUK3EA1E	F	051TF	13590061	+	02900		B	JS	
SUSAP	KCBFK3FR14	R	020KAJQUK3EA2WN								JS	
SUSAP	KCBFK3FR14	R	030RW14	K3PG0GY	M	031TF	13590051		01270	-304	B	JS
SUSAP	KCBFK3FR14	R	040		O	M	010CA	1359	+	01653	B	JS
SUSAP	KCBFK3FR14	R	050EVHAPK3EA0EY		010DF		+	03900		B	JS	
SUSAP	KCBFK3FR14	R	060EVHAPK3EA0EE		R020HM	31610040	+	03900		B	JS	

[illegible]

SUSAP KCBFK3GRW14 0036491360 N41154527W095455142+0100 +0350301240000030060R

SUP:	
AMDT:	1
DATED:	05/07/2009

PAGE 3 OF 3 PAGES



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW36 CLIMB TO 3000 DIRECT IPORE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.47 INBOUND. CHART FAS OBST: 1289 TREE 411512N/0954535W CHART FAS OBST: 1369 TREE 411518N/0954550W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.03 MILES TO RW36* *LNAV ONLY. WAAS CHANNEL # 53606 REFERENCE PATH ID: W36A											
EMEND	WEPOP (FB)	262.56 / 10.02	3000												
MEPWE	ZAMAN (FB)	091.23 / 9.26	3000												
OVR VORTAC	WAMET (FO)	186.74 / 6.14	3000												
WEPOP (IAF)	WAMET (NOPT) (FB)	266.54 / 5.00	3000												
ZAMAN (IAF)	WAMET (NOPT) (FB)	086.40 / 5.00	3000												
WAMET (IF/IAF)	JATIN (FB)	356.47 / 6.21	2900												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S WAMET, RT, 356.47 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 356.47 FAF: JATIN _____ DIST FAF TO MAP: 4.98 THLD: 4.98 4. MIN. ALT: WAMET 3000, JATIN 2900, HODIN/1.70 NM TO RW36 1820* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2900 GS ALT AT: JATIN 2900 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 49.5 34:1 IS CLEAR 8. MSA FROM: RW36 3900				MAG VAR: 5E EPOCH YEAR: 2000											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N/A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1445	3/4	200	1445	3/4	200	1445	3/4	200	1445	3/4	200			
LNAV/VNAV DA	1578	1 1/4	333	1578	1 1/4	333	1578	1 1/4	333	1578	1 1/4	333			
LNAV MDA	1620	1	375	1620	1	375	1620	1	375	1620	1 1/4	375			
CIRCLING	1700	1	447	1720	1	467	1840	1 1/2	587	1840	2	587			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING EPPLLEY AIRFIELD ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OVR VORTAC AIRWAY RADIALS 145 CW 192. SEE 8260-10															
CITY AND STATE		ELEVATION: 1253 TDZE: 1245		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:			
COUNCIL BLUFFS, IA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 36, AMDT 1 29 JUL 2010						AMDT: ORIG			
		COUNCIL BLUFFS MUNI										DATED 04/10/2008			

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

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EPPLEY AIRFIELD ALTIMETER SETTING AND INCREASE ALL DA 53 FEET, AND ALL MDA 60 FEET AND INCREASE LNAV CAT C AND D VISIBILITY 1/4 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WITH EPPLEY AIRFIELD ALTIMETER SETTING.

CITY AND STATE

COUNCIL BLUFFS, IA

ELEVATION: 1253 TDZE: 1245

AIRPORT NAME:

COUNCIL BLUFFS MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 04/10/2008

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KCBF
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	411512.6940N
LTP/FTP LONGITUDE	0954528.6075W
LTP/FTP ELLIPSOIDAL HEIGHT	+03511
FPAP LATITUDE	411607.1000N
FPAP LONGITUDE	0954526.7600W
THRESHOLD CROSSING HEIGHT (TCH)	00049.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	104.00
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

3569C628

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+03787
FPAP ORTHOMETRIC HEIGHT	+03787

CITY AND STATE
COUNCIL BLUFFS, IA

ELEVATION: 1253 TDZE: 1245
AIRPORT NAME:
COUNCIL BLUFFS MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 1
29 JUL 2010

SUP:
AMDT: ORIG
DATED: 04/10/2008

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KCBFK3FR36	AEMEND	010EMENDK3EA0E	IF						18000		A JS	
SUSAP	KCBFK3FR36	AEMEND	020WEPOPK3EA0E	A 020TF		26260100		+ 03000				A JS	
SUSAP	KCBFK3FR36	AEMEND	030WAMETK3EA0EE	B 010TF		26650050		+ 03000				A JS	
SUSAP	KCBFK3FR36	AMEPWE	010MEPWEK3EA0E	IF						18000		A JS	
SUSAP	KCBFK3FR36	AMEPWE	020ZAMANK3EA0E	A 020TF		09120093		+ 03000				A JS	
SUSAP	KCBFK3FR36	AMEPWE	030WAMETK3EA0EE	B 010TF		08640050		+ 03000				A JS	
SUSAP	KCBFK3FR36	AOVR	010OVR	K3D 0V	IF					18000		A JS	
SUSAP	KCBFK3FR36	AOVR	020WAMETK3EA0EY	020TF		18670061		+ 03000				A JS	
SUSAP	KCBFK3FR36	AOVR	030WAMETK3EA0EE	AR HF		35650040		+ 03000				A JS	
SUSAP	KCBFK3FR36	R	010WAMETK3EA0E	I IF				+ 03000		18000		A JS	
SUSAP	KCBFK3FR36	R	020JATINK3EA1E	F 051TF		35650062		+ 02900			RW36	K3PGA JS	
SUSAP	KCBFK3FR36	R	020JATINK3EA2WALEV		ALNAV/VNAV	ALNAV						JS	
SUSAP	KCBFK3FR36	R	021HODINK3EA0E	S 031TF		35650033		V 0182001836		-300		A JS	
SUSAP	KCBFK3FR36	R	030RW36	K3PGOGY M 031TF		35650017		01292		-300		A JS	

CITY AND STATE COUNCIL BLUFFS, IA	ELEVATION: 1253 TDZE: 1245 AIRPORT NAME: COUNCIL BLUFFS MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 04/10/2008

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

QUALITY
Circles

PAGE 5 OF 5 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.

QUALITY
1
CHECKED

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: CZB NDB
DELCO INT	CZB NDB	237.12 / 5.22	2300	CLIMB TO 2300 THEN RIGHT TURN DIRECT CZB NDB AND HOLD.
MOBBY INT	CZB NDB	084.62 / 16.95	2300	
MTO VOR/DME	CZB NDB	125.00 / 16.79	2400	
				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 038.04 INBOUND. CHART FAS OBST: 865 ELEV 391743N/0880003W CHART 907 TOWER 391354N/0880810W. CHART TERRE HAUTE ASOS. FAC CROSSES RWY C/L EXTENDED 2997 FROM THLD.

1. PT L SIDE OF COURSE 218.04 OUTBOUND 2300 FT WITHIN 10 MILES OF CZB NDB (IAF)
 2. _____
 3. FAC 038.04 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT CAMBY INT 1580
 8. MSA FROM: CZB NDB 2600

MAG VAR: 3W EPOCH YEAR: 2010

MINIMUMS																
TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		X						
CATEGORY =====>		A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-4		1580	1 1/4	927	1580	1 1/4	927	1580	2 3/4	927	1580	3	927			
CIRCLING		1580	1 1/4	926	1580	1 1/4	926	1580	2 3/4	926	1580	3	926			
CAMBY FIX MINIMUMS																
S-4		1320	1	667	1320	1	667	1320	1 3/4	667	1320	2	667			
CIRCLING		1320	1	666	1320	1	666	1320	1 3/4	666	1320	2	666			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: USE TERRE HAUTE INTL-HULMAN FIELD ALTIMETER SETTING; WHEN NOT RECEIVED USE ROBINSON ALTIMETER SETTING.

QUALITY
1
CHECKED

CITY AND STATE CASEY, IL	ELEVATION: 654 TDZE: 653 AIRPORT NAME: CASEY MUNI	FACILITY IDENTIFIER: CZB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 4, AMDT 8 29 JUL 2010	SUP NDB OR GPS RWY
				4
				AMDT 7
				DATE 04/23/1998

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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MTO VOR/DME	CZB NDB	125.00 / 16.79	2400
MOBBY INT	CZB NDB	084.62 / 16.95	2300
DELCO INT	CZB NDB	237.12 / 5.22	2300

MISSED APPROACH

MAP: CZB NDB

CLIMB TO 2300 THEN LEFT TURN DIRECT CZB NDB AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, LT, 228.05 INBOUND.
CHART FAS OBST: 831 TOWER 391820N/0875828W
CHART TERRE HAUTE ASOS.
FAC CROSSES RWY C/L EXTENDED 2994 FROM THLD.

1. PT R SIDE OF COURSE 048.05 OUTBOUND 2300 FT WITHIN 10 MILES OF CZB NDB (IAF)
 2. _____
 3. FAC 228.05 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT KERMM INT 1400
 8. MSA FROM: CZB NDB 2600

MAG VAR: 3W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		X				
CATEGORY =====>		A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	
S-22	1400	1	746	1400	1 1/4	746	1400	2 1/4	746	1400	2 1/2	746				
CIRCLING	1400	1	746	1400	1 1/4	746	1400	2 1/4	746	1400	2 1/2	746				
KERMM FIX MINIMUMS																
S-22	1280	1	626	1280	1	626	1280	1 3/4	626	1280	2	626				
CIRCLING	1320	1	666	1320	1	666	1320	1 3/4	666	1320	2	666				

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: USE TERRE HAUTE INTL-HULMAN FIELD ALTIMETER SETTING; WHEN NOT RECEIVED USE ROBINSON ALTIMETER SETTING.

QUALITY
5
CHECKED

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
MOBBY	JEDGA (FB)	123.34 / 6.62	2300	LNAV: RW04 CLIMB TO 2500 DIRECT LUDJU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 222.06 INBOUND. CHART FAS OBST: 865 ELEV 391743N/0880003W COTGA TO RW04: 3.04/40. CHART TERRE HAUTE ASOS.
WORKE	KUTPE (FB)	269.51 / 13.98	2300	
KUTPE (IAF)	FOXUK (NOPT) (FB)	311.92 / 5.00	2300	
JEDGA (IAF)	FOXUK (NOPT) (FB)	131.82 / 5.00	2300	
FOXUK (IF/IAF)	COTGA (FB)	041.87 / 6.01	2300	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW FOXUK, RT, 041.87 INBOUND, 2300 FT. IN LIEU OF PT (IAF)
- FAC: 041.92 FAF: COTGA DIST FAF TO MAP: 4.98 THLD: 4.98
- MIN. ALT: FOXUK 2300, COTGA 2300
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM: RW04 2600

MAG VAR: 3W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A			X						
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1260	1	607	1260	1	607	1260	1 3/4	607	1260	2	607				
CIRCLING	1320	1	666	1320	1	666	1320	1 3/4	666	1320	2	666				

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: PROCEDURE NA FOR ARRIVALS AT MOBBY ON V14 WESTBOUND AND V72-429 NORTHBOUND.
CHART NOTE: PROCEDURE NA FOR ARRIVALS AT WORKE ON V12 EASTBOUND.
SEE 8260-10

QUALITY
5
CHECKED

CITY AND STATE CASEY, IL	ELEVATION: 654 TDZE: 653 AIRPORT NAME: CASEY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED

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

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NOTES CONT.

CHART NOTE: USE TERRE HAUTE INTL-HULMAN FIELD ALTIMETER SETTING; WHEN NOT RECEIVED, USE ROBINSON ALTIMETER SETTING.

QUALITY
5
CHECKED

CITY AND STATE

CASEY, IL

ELEVATION: 654

TDZE: 653

AIRPORT NAME:

CASEY MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

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[illegible]

SUSAEAEENRT	COTGA	K50	W	N39135996W088042932	W0026	NAR	COTGA
SUSAEAEENRT	FOXUK	K50	W	N39091899W088092059	W0026	NAR	FOXUK
SUSAEAEENRT	JEDGA	K50	W	N39122732W088142108	W0025	NAR	JEDGA
SUSAEAEENRT	KUTPE	K50	W	N39061044W088042054	W0026	NAR	KUTPE
SUSAEAEENRT	LUDJU	K50	W	N39265605W087510020	W0028	NAR	LUDJU
SUSAEAEENRT	MOBBY	K50	R	L N39154844W088214226	W0024	NAR	MOBBY
SUSAEAEENRT	WORKE	K50	R	L N39070295W087462521	W0029	NAR	WORKE

[illegible]

SUSAP 1H8 K5A1H8	0	040YHN39180903W088001462W003000654	1800018000C	MNAR	CASEY MUNI

[illegible]

SUSAP	1H8	K5FR04	AFOXUK	010FOXUKK5EA0EE	AR	HF		04190040	+	02300	18000		B	JS
SUSAP	1H8	K5FR04	AMOB	010MOBBYK5EA0E		IF					18000		B	JS
SUSAP	1H8	K5FR04	AMOB	020JEDGAK5EA0E	A	020TF		12330066	+	02300			B	JS
SUSAP	1H8	K5FR04	AMOB	030FOXUKK5EA0EE	B	010TF		13180050	+	02300			B	JS
SUSAP	1H8	K5FR04	AWORKE	010WORKEK5EA0E		IF					18000		B	JS
SUSAP	1H8	K5FR04	AWORKE	020KUTPEK5EA0E	A	020TF		26950140	+	02300			B	JS
SUSAP	1H8	K5FR04	AWORKE	030FOXUKK5EA0EE	B	010TF		31190050	+	02300			B	JS
SUSAP	1H8	K5FR04	R	010FOXUKK5EA0E	I	IF			+	02300	18000		B	JS
SUSAP	1H8	K5FR04	R	020COTGAK5EA1E	F	051TF		04190060	+	02300			RW04	K5PGB JS
SUSAP	1H8	K5FR04	R	020COTGAK5EA2WN			N	ALNAV						JS
SUSAP	1H8	K5FR04	R	030RW04	K5PG0GY	M	031TF	04190050		00693		-304	B	JS
SUSAP	1H8	K5FR04	R	040		O	M	010CA	0419	+	01054		B	JS
SUSAP	1H8	K5FR04	R	050LUDJUK5EA0EY		010DF				+	02500		B	JS
SUSAP	1H8	K5FR04	R	060LUDJUK5EA0EE		R020HM		22210040	+	02500			B	JS

[illegible]

SUSAP 1H8 K5GRW04 0040020420 N39175253W088002757+0000 +0166800653000040060R

CITY AND STATE CASEY, IL	ELEVATION: 654 TDZE: 653 AIRPORT NAME: CASEY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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[illegible]

QUALITY
4
CHECKED

CITY AND STATE CASEY, IL	ELEVATION: 654 TDZE: 653 AIRPORT NAME: CASEY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW22 CLIMB TO 2300 DIRECT FOXUK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 041.87 INBOUND. CHART FAS OBST: 785 TANK 391845N/0875909W MASFY TO RW22: 3.04/40. CHART TERRE HAUTE ASOS								
GAULS	LODPE (FB)	168.46 / 6.29	2500									
TTH VORTAC	IROGY (FB)	260.17 / 24.69	2500									
LODPE (IAF)	LUDJU (NOPT) (FB)	132.01 / 5.00	2500									
IROGY (IAF)	LUDJU (NOPT) (FB)	312.11 / 5.00	2500									
LUDJU (IF/IAF)	MASFY (FB)	222.06 / 6.01	2300									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE LUDJU, RT, 222.06 INBOUND, 2500 FT. IN LIEU OF PT (IAF) 3. FAC: 222.01 FAF: MASFY DIST FAF TO MAP: 4.98 THLD: 4.98 4. MIN. ALT: LUDJU 2500, MASFY 2300, JONEP/1.80 NM TO RW22 1260 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: RW22 2600												
				MAG VAR: 3W 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
LNAV MDA	1180	1	526	1180	1	526	1180	1 1/2	526	1180	1 3/4	526
CIRCLING	1320	1	666	1320	1	666	1320	1 3/4	666	1320	2	666
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: USE TERRE HAUTE INTL-HULMAN FIELD ALTIMETER SETTING; WHEN NOT RECEIVED, USE ROBINSON ALTIMETER SETTING.												
CITY AND STATE		ELEVATION: 654 TDZE: 654		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
CASEY, IL		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 22, ORIG			AMDT: NONE			
		CASEY MUNI				29 JUL 2010			DATED			

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

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ARINC PACKET - 424-18 - RNAV (GPS)

NAVAID	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	TTH	K5011530VTHA	N39292019W087145647	N39292019W087145647E0020006062	NARTERRE HAUTE								

WP	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	FOXUK K50	W	N39091899W088092059	W0026	NAR	FOXUK							
SUSAEENRT	GAULS K50	C L	N39361103W087580362	W0028	NAR	GAULS							
SUSAEENRT	IROGY K50	W	N39234674W087455970	W0029	NAR	IROGY							
SUSAEENRT	JONEP K50	W	N39194731W087582802	W0027	NAR	JONEP							
SUSAEENRT	LODPE K50	W	N39300514W087560115	W0028	NAR	LODPE							
SUSAEENRT	LUDJU K50	W	N39265605W087510020	W0028	NAR	LUDJU							
SUSAEENRT	MASFY K50	W	N39221550W087555347	W0028	NAR	MASFY							

AIRPORT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 1H8	K5A1H8	0	040YHN39180903W088001462W003000654	1800018000C	MNAR	CASEY MUNI							

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 1H8	K5FR22	AGAULS	010GAULSK5EA0E	IF						18000		B JS	
SUSAP 1H8	K5FR22	AGAULS	020LODPEK5EA0E	A 020TF		16850063		+ 02500				B JS	
SUSAP 1H8	K5FR22	AGAULS	030LUDJUK5EA0EE	B 010TF		13200050		+ 02500				B JS	
SUSAP 1H8	K5FR22	ALUDJU	010LUDJUK5EA0EE	AR HF		22210040		+ 02500		18000		B JS	
SUSAP 1H8	K5FR22	ATTH	010TTH K5D OV	IF						18000		B JS	
SUSAP 1H8	K5FR22	ATTH	020IROGYK5EA0E	A 020TF		26020247		+ 02500				B JS	
SUSAP 1H8	K5FR22	ATTH	030LUDJUK5EA0EE	B 010TF		31210050		+ 02500				B JS	
SUSAP 1H8	K5FR22	R	010LUDJUK5EA0E	I IF				+ 02500		18000		B JS	
SUSAP 1H8	K5FR22	R	020MASFYK5EA1E	F 051TF		22210060		+ 02300			RW22 K5PGB	JS	
SUSAP 1H8	K5FR22	R	020MASFYK5EA2WN		N	ALNAV						JS	
SUSAP 1H8	K5FR22	R	021JONEPK5EA0E	S 031TF		22200032	V	0126001270		-304		B JS	
SUSAP 1H8	K5FR22	R	030RW22 K5PGOGY	M 031TF		22200018		00694		-304		B JS	
SUSAP 1H8	K5FR22	R	040	0 M 010CA		2220		+ 01054				B JS	
SUSAP 1H8	K5FR22	R	050FOXUKK5EA0EY	010DF				+ 02300				B JS	
SUSAP 1H8	K5FR22	R	060FOXUKK5EA0EE	R020HM		04190040		+ 02300				B JS	

QUALITY
4
CHECKED

CITY AND STATE CASEY, IL	ELEVATION: 654 TDZE: 654	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: CASEY MUNI			AMDT: NONE
				DATED:

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

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[illegible]

QUALITY
CHECKED

DATED:

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	
				ADDITIONAL FLIGHT DATA:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
 2.
 3. FAC: FAF: DIST FAF TO MAP: THLD:
 4. MIN. ALT:
 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
 6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
 7. GS ANGLE: TCH:
 8. MSA FROM:

MAG VAR: EPOCH YEAR:

TAKEOFF: <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	

NOTES:

PROCEDURE CANCELED EFFECTIVE 29 JUL 2010

QUALITY
3
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 672 TDZE: 654 AIRPORT NAME: CHICAGO-O'HARE INTL	FACILITY IDENTIFIER: I-RVG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 32L, AMDT 2B, 11/05/2008	SUP: AMDT: 2A DATED 08/14/2008

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES								MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW14R CLIMB TO 4000 DIRECT VACYI AND ON TRACK 206.79 TO LISKE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 008.38 INBOUND. CHART FAS OBST: 796 ROD ON OL POLE 415943N/0875537W FAS OBST: 919 AAO 420143N/0875949W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.41 MILES TO RW14R* *LNAV ONLY. WAAS CHANNEL # 93603 REFERENCE PATH ID: W14B							
FARMM		OMTUW (FB)		137.03 / 11.82		5000**									
UMUZI		OMTUW (FB)		232.87 / 5.38		5000**									
OMTUW (IAF)		MISCH (FB)		142.81 / 3.39		5000**									
MISCH (IF)		CHSTR (FB)		142.84 / 7.76		2400									
1. PT <u>NA</u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. PROFILE STARTS AT OMTUW 3. FAC: <u>142.92</u> FAF: <u>CHSTR</u> DIST FAF TO MAP: <u>5.19</u> THLD: <u>5.19</u> 4. MIN. ALT: <u>OMTUW 5000**, MISCH 5000**, CHSTR 2400</u> 5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u> 6. MIN GS INCPT: <u>2400</u> GS ALT AT: <u>CHSTR 2400</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>56.2</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW14R 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	868	2400	200	868	2400	200	868	2400	200	868	2400	200			
LNAV/VNAV DA	1066	4000	398	1066	4000	398	1066	4000	398	1066	4000	398			
LNAV MDA	1180	2400	512	1180	2400	512	1180	5000	512	1180	6000	512			
CIRCLING	1220	1	548	1220	1	548	1220	1 1/2	548	1240	2	568			
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 PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. CHART PLANVIEW AND PROFILE NOTE: **2500 WHEN AUTHORIZED BY ATC.															
CITY AND STATE		ELEVATION: 672 TDZE: 668		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
CHICAGO, IL		AIRPORT NAME: CHICAGO-O'HARE INTL		RNAV		RNAV (GPS) RWY 14R, AMDT 2 29 JUL 2010				AMDT: 1B					
										DATED 02/12/2009					

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

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

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KORD
RUNWAY RW14R
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W14B
LTP/FTP LATITUDE 415925.5700N
LTP/FTP LONGITUDE 0875559.3000W
LTP/FTP ELLIPSOIDAL HEIGHT +01693
FPAP LATITUDE 415812.3000N
FPAP LONGITUDE 0875436.8400W
THRESHOLD CROSSING HEIGHT (TCH) 00056.2
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 0000
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 35.0

CRC REMAINDER

BE3FF9B7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02028
FPAP ORTHOMETRIC HEIGHT +02028

QUALITY
CHECKED

CITY AND STATE

CHICAGO, IL

ELEVATION: 672 TDZE: 668

AIRPORT NAME:

CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 14R, AMDT 2

29 JUL 2010

SUP:

AMDT: 1B

DATED: 11/05/2008

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KORDK5FR14R	AFARMM	010FARMMK5EA0E	IF							18000		A JS	
SUSAP KORDK5FR14R	AFARMM	020OMTUWK5EA0E	A 020TF			13700118		+ 05000				A JS	
SUSAP KORDK5FR14R	AFARMM	030MISCHK5EA0EE	B 010TF			14280034		+ 05000				A JS	
SUSAP KORDK5FR14R	AUMUZI	010UMUZI5EA0E	IF							18000		A JS	
SUSAP KORDK5FR14R	AUMUZI	020OMTUWK5EA0E	A 020TF			23290054		+ 05000				A JS	
SUSAP KORDK5FR14R	AUMUZI	030MISCHK5EA0EE	B 010TF			14280034		+ 05000				A JS	
SUSAP KORDK5FR14R	R	010MISCHK5EA0E	I IF					+ 05000		18000		A JS	
SUSAP KORDK5FR14R	R	020CHSTRK5EA1E	F 051TF			14280078		+ 02400				RW14R K5PGA JS	
SUSAP KORDK5FR14R	R	020CHSTRK5EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP KORDK5FR14R	R	030RW14RK5PG0GY	M 031TF			14290052		00722		-300		A JS	
SUSAP KORDK5FR14R	R	040	0 M 010CA			1429		+ 00868				A JS	
SUSAP KORDK5FR14R	R	050VACYIK5EA0E	010DF									A JS	
SUSAP KORDK5FR14R	R	060LISKEK5EA0EY	010TF			2068		+ 04000				A JS	
SUSAP KORDK5FR14R	R	070LISKEK5EA0EE	R020HM			00840040		+ 04000				A JS	

[illegible]

SUP:	
AMDT:	1B
DATED:	02/12/2009

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

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

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

	SUSAP KORDK5PR14R RW14R001 0000W14B0N4159255700W08755593000+016930300N4158123000W08754368400106750000000562F400350BE3FF9B7												
	SUSAP KORDK5PR14R RW14R002E +02028+02028LPV 93603												

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

	SUSAP KORDK5SRW14RK5PG 0 18018003425 M												

QUALITY
CHECKED

CITY AND STATE
CHICAGO, IL

ELEVATION: 872 TDZE: 668
 AIRPORT NAME:
 CHICAGO-O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 14R, AMDT 2
 29 JUL 2010

SUP:
 AMDT: 1B
 DATED: 02/12/2009

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2.
3. FAC: FAF: DIST FAF TO MAP: THLD:
4. MIN. ALT:
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: GS ALT AT: OM: MM: IM:
7. GS ANGLE: TCH:
8. MSA FROM:

MAG VAR:

EPOCH YEAR:

TAKEOFF: <u> </u>	STANDARD <u> </u>	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A <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	

NOTES:

PROCEDURE CANCELED EFFECTIVE 29 JUL 2010

QUALITY
3
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 672 TDZE: 654 AIRPORT NAME: CHICAGO-O'HARE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 32L, AMDT 2C, 11/05/2008	SUP: AMD'T: 2B DATED 08/14/2008

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 4L, 4R, 9L, 9R, 10, 14L, 14R, 22L, 22R, 32R STANDARD

RWY 27L, STANDARD WITH MINIMUM CLIMB OF 220 FEET PER NM TO 1700.

RWY 27R, STANDARD WITH A MINIMUM CLIMB OF 228 FEET PER NM TO 1800.

RWY 28, STANDARD WITH MINIMUM CLIMB OF 222 FEET PER NM TO 1700.

RWY 32L, STANDARD WITH MINIMUM CLIMB OF 240 FEET PER NM TO 1800.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4L, BUILDINGS BEGINNING 3302' FROM DER, 1198' RIGHT OF CENTERLINE, UP TO 109' AGL/751' MSL.

NOTE: RWY 4R, TREE 810' FROM DER, 611' RIGHT OF CENTERLINE, 36' AGL/675' MSL. TREES BEGINNING 2149' FROM DER, 834' LEFT OF CENTERLINE, UP TO 100' AGL/749' MSL. PARKED AIRCRAFT ON RAMP 153' FROM DER, 329' LEFT OF CENTERLINE, 80' AGL/735' MSL.

NOTE: RWY 9L, BUILDING 2771' FROM DER, 1234' RIGHT OF CENTERLINE, 94' AGL/745' MSL.

NOTE: RWY 09R, STREET LIGHT 877' FROM DER, 689' RIGHT OF CENTERLINE, 40' AGL/673' MSL. TREE 3492' FROM DER, 1054' LEFT OF CENTERLINE, 100' AGL/744' MSL.

(4) CONTROLLING OBSTACLES:

RWY 27L: 812 MSL ROD ON TOWER 415843.93N/0875619.54W, 1413 MSL TOWER 415926.00N/0880139.00W.

RWY 27R: 1463 MSL TOWER 420042.54N/0880206.97W, 1413 MSL TOWER 415926.00N/0880139.00W.

RWY 28: 1413 MSL TOWER 415926.00N/0880139.00W.

RWY 32L: 1464 MSL LIGHT ON TOWER 415926.07N/0880139.04W, 1410 MSL TOWER 415926.07N/0880139.04W.

QUALITY
CHECKED

(5) City, State

CHICAGO, ILLINOIS

(6) Airport

CHICAGO-O'HARE INTL

(7) Effective Date

29 JUL 2010

(8) Amdt. No.

17

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

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

(3) TAKEOFF OBSTACLE NOTES: (CONT.)

NOTE: RWY 10, PARKED AIRCRAFT ON RAMP 33' FROM DER, 440' LEFT OF CENTERLINE, 80' AGL/735' MSL. PARKED AIRCRAFT ON RAMP 940' FROM DER, 641' LEFT OF CENTERLINE, 80' AGL/735' MSL. TOWERS BEGINNING 2522' FROM DER, 983' RIGHT OF CENTERLINE, UP TO 127' AGL/771' MSL.

NOTE: RWY 14L, LIGHT POLES BEGINNING 981' FROM DER, 745' LEFT OF CENTERLINE, UP TO 40' AGL/684' MSL. PARKED AIRCRAFT ON RAMP 100' FROM DER, 363' RIGHT OF CENTERLINE, 80' AGL/729' MSL. SIGN 1292' FROM DER, 724' RIGHT OF CENTERLINE, 37' AGL/682' MSL.

NOTE: RWY 14R, PARKED AIRCRAFT ON RAMP 1104' FROM DER, 766' RIGHT OF CENTERLINE, 80' AGL/736' MSL.

NOTE: RWY 22R, PARKED AIRCRAFT ON RAMP 34' FROM DER, 430' LEFT OF CENTERLINE, 80' AGL/736' MSL.

NOTE: RWY 27L, PARKED AIRCRAFT ON RAMP, 70' FROM DER, 408' LEFT OF CENTERLINE, 80' AGL/740' MSL. ROD ON TOWER 2591' FROM DER, 1181' LEFT OF CENTERLINE, 86' AGL/753' MSL. PARKED AIRCRAFT ON RAMP 3627' FROM DER, 1225' RIGHT OF CENTERLINE, 80' AGL/754' MSL.

NOTE: RWY 27R, TANKS BEGINNING 1489' FROM DER, 886' LEFT OF CENTERLINE, 53' AGL/726' MSL. LIGHTED HOPPER AND ELEVATOR 2778' FROM DER, 1020' LEFT OF CENTERLINE, 111' AGL/776' MSL.

NOTE: RWY 28, TREES BEGINNING 1717' FROM DER, 752' LEFT OF CENTERLINE, UP TO 100' AGL/789' MSL.

NOTE: RWY 32L, POLE 1993' FROM DER, 791' LEFT OF CENTERLINE, 49' AGL/716' MSL.

City, State CHICAGO, IL	Airport CHICAGO-O' HARE INTL	Effective Date 29 JUL 2010	Amdt. No. 17		
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

QUALITY
CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW02 CLIMB TO 2500 DIRECT ALASE AND RIGHT TURN ON TRACK 115.62 TO BOJAK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 002.99 INBOUND. CHART FAS OBST: 895 STACK 413443N/0880544W CHART FAS OBST: 930 TOWER 413400N/0880714W DISTANCE TO THLD FROM 200 HAT: 0.51 NM. CHART VDP AT 1.65 MILES TO RW02* *LNAV ONLY. WAAS CHANNEL # 93520 REFERENCE PATH ID: W02A											
JOT VORTAC	CAMLI (FO)	138.23 / 10.42	2300												
EON VORTAC (IAF)	CAMLI (NOPT) (FB)	300.74 / 18.93	2300												
MEDAN (IAF)	CAMLI (NOPT) (FB)	051.96 / 7.45	2300												
CAMLI (IF/IAF)	JIMMO (FB)	015.69 / 6.10	2300												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD S CAMLI, RT, 015.69 INBOUND, 2300 FT. IN LIEU OF PT (IAF) 3. FAC: <u>015.71</u> FAF: <u>JIMMO</u> DIST FAF TO MAP: <u>4.91</u> THLD: <u>4.91</u> 4. MIN. ALT: <u>CAMLI 2300, JIMMO 2300</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>2300</u> GS ALT AT: <u>JIMMO 2300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>37.0</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW02 3400</u>				MAG VAR: 2W 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	879	3/4	200	879	3/4	200	879	3/4	200	879	3/4	200			
LNAV/VNAV DA	1256	2	577	1256	2	577	1256	2	577	1256	2	577			
LNAV MDA	1240	1	561	1240	1	561	1240	1 1/2	561	1240	1 3/4	561			
CIRCLING	1260	1	581	1260	1	581	1260	1 1/2	581	1440	2 1/2	761			
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 JOT VORTAC ON V8 WESTBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EON VORTAC ON V156 EASTBOUND. SEE 8260-10															
CITY AND STATE		ELEVATION: 679 TDZE: 679		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
CHICAGO/ROMEOVILLE, IL		AIRPORT NAME:				RNAV (GPS) RWY 2, AMDT 2				AMDT: 1					
		LEWIS UNIVERSITY				29 JUL 2010				DATED 06/03/2010					

 QUALITY
CHECKED

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

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

NOTES CONT.

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOLIET REGIONAL ALTIMETER SETTING AND INCREASE ALL DA 29 FEET AND ALL MDA 40 FEET, INCREASE LNAV CAT C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.

QUALITY
CHECKED

CITY AND STATE

CHICAGO/ROMEDEVILLE, IL

ELEVATION: 679 TDZE: 679

AIRPORT NAME:

LEWIS UNIVERSITY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 2

29 JUL 2010

SUP:

AMDT: 1

DATED: 06/03/2010

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 KLOT
RUNWAY RW02
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR 0
REFERENCE PATH DATA SELECTOR W02A
REFERENCE PATH IDENTIFIER (APPROACH ID) 413557.2335N
LTP/FTP LATITUDE 0880603.2275W
LTP/FTP LONGITUDE +01739
LTP/FTP ELLIPSOIDAL HEIGHT 413723.8200N
FPAP LATITUDE 0880535.0300W
FPAP LONGITUDE 00037.0
THRESHOLD CROSSING HEIGHT (TCH) F
TCH UNITS SELECTOR (METERS OR FEET USED) 03.00
GLIDEPATH ANGLE (GPA) 106.75
COURSE WIDTH AT THRESHOLD 0768
LENGTH OFFSET 40.0
HORIZONTAL ALERT LIMIT (HAL) 35.0
VERTICAL ALERT LIMIT (VAL)

CRC REMAINDER

29AD319C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02070
FPAP ORTHOMETRIC HEIGHT +02070

QUALITY
CHECKED

CITY AND STATE CHICAGO/ROMEOVILLE, IL	ELEVATION: 679 TDZE: 679 AIRPORT NAME: LEWIS UNIVERSITY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 2 29 JUL 2010	SUP: AMDT: 1 DATED: 06/03/2010

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

[illegible]

QUALITY
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CHECKED

CITY AND STATE CHICAGO/ROMEOVILLE, IL	ELEVATION: 679 TDZE: 679 AIRPORT NAME: LEWIS UNIVERSITY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 2 29 JUL 2010	SUP:
				AMDT: 1
				DATED: 06/03/2010

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

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QUALITY
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CHECKED

SUP:	
AMDT:	1
DATED:	06/03/2010

QUALITY
&
CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - FAR PART 97.29

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

LINE 6 GS ALT AT CONT. 2200

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MUNCIE ALTIMETER SETTING AND INCREASE ALL DA TO 1173 AND ALL MDA 100 FEET; INCREASE S-LOC 23 CAT D VISIBILITY 1/4 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 23 ALL CATS AND S-LOC 23 CATS A AND B.

CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-LOC 23 CAT C VISIBILITY TO 1 1/4. FROWN FIX MINIMUMS INCREASE S-LOC 23 CAT D VISIBILITY TO 1 1/4.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING MUNCIE ALTIMETER SETTING, INCREASE S-ILS 23 VISIBILITY ALL CATS TO 1 1/4. FROWN FIX MINIMUMS INCREASE S-LOC 23 CAT C VISIBILITY TO 1 1/4.

CITY AND STATE

KOKOMO, IN

ELEVATION: 830 TDZE: 827

AIRPORT NAME:

KOKOMO MUNI

FACILITY
IDENTIFIER:
I-OKK

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

ILS OR LOC RWY 23, AMDT 9

29 JUL 2010

SUP: ILS RWY 23

AMDT: 8A

DATED: 08/08/2002

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: RW05 CLIMB TO 3000 DIRECT HADUN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 227.04 INBOUND. CHART FAS OBST: 947 ANT 403056N/0860410W CHART: 1030 TOWER 402952N/0860635W CHART VDP AT 1.02 MILES TO RW05. ZODIR TO RW05: 3.04/45.							
MIE VOR/DME		HUBOP (FB)		282.27 / 34.82		2700									
OKK VORTAC		WEBUX (FO)		227.37 / 10.72		2400									
HUBOP (IAF)		WEBUX (NOPT) (FB)		316.88 / 5.41		2400									
WEBUX (IF/IAF)		BRIMM (FB)		046.83 / 6.09		2200									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW WEBUX, RT, 046.83 INBOUND, 2400 FT. IN LIEU OF PT (IAF) 3. FAC: 046.89 FAF: BRIMM _____ DIST FAF TO MAP: 4.11 THLD: 4.11 4. MIN. ALT: WEBUX 2400, BRIMM 2200, ZODIR/2.60 NM TO RW05 1700 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: RW05 2900								MAG VAR: 2W EPOCH YEAR: 1985							
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A				STANDARD @							
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1200	1	370	1200	1	370	1200	1	370	1200	1 1/4	370			
CIRCLING	1260	1	430	1280	1	450	1280	1 1/2	450	1380	2	550			
NOTES: CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. SEE 8260-10															
CITY AND STATE		ELEVATION: 830 TDZE: 830		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
KOKOMO, IN		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 5, ORIG				AMDT: NONE					
		KOKOMO MUNI				29 JUL 2010				DATED					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

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

ALL MDA 100 FEET AND INCREASE LNAV CATS C AND D VISIBILITY 1/4 MILE.

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

QUALITY
CHECKED

CITY AND STATE

KOKOMO, IN

ELEVATION: 830 TDZE: 830

AIRPORT NAME:

KOKOMO MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 5, ORIG
29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible]

QUALITY
A
CHECKED

CITY AND STATE KOKOMO, IN	ELEVATION: 830 TDZE: 830 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 5, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible]

QUALITY
CHECKED

CITY AND STATE KOKOMO, IN	ELEVATION: 830 TDZE: 830 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
			RNAV (GPS) RWY 5, ORIG	AMDT: NONE
			29 JUL 2010	DATED:

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE												
MZZ VOR/DME	JURIT (FB)	315.40 / 8.79	2400	LPV: DA LNAV/VNAV: DA LNAV: RW23 CLIMB TO 3000 DIRECT WEBUX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 046.83 INBOUND. CHART FAS OBST: 946 TREE 403230N/0860216W DISTANCE TO THLD FROM 250 HAT: 0.67 NM. WAAS CHANNEL # 40119 REFERENCE PATH ID: W23A											
OKK VORTAC	HADUN (FO)	046.50 / 10.54	2400												
FWA VORTAC (IAF)	HADUN (NOPT) (FB)	241.02 / 37.72	2400												
JURIT (IAF)	HADUN (NOPT) (FB)	317.09 / 5.00	2400												
HADUN (IF/IAF)	WOXOG (FB)	227.04 / 6.05	2200												
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD NE HADUN, RT, 227.04 INBOUND, 2400 FT. IN LIEU OF PT (IAF) 3. FAC: <u>226.98</u> FAF: <u>WOXOG</u> DIST FAF TO MAP: <u>4.15</u> THLD: <u>4.15</u> 4. MIN. ALT: <u>HADUN 2400, WOXOG 2200, FROWN/1.70 NM TO RW23 1400*</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>2200</u> GS ALT AT: <u>WOXOG 2200</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>44.6</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW23 2900</u>				MAG VAR: <u>2W</u> EPOCH YEAR: <u>1985</u>											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1077	1	250	1077	1	250	1077	1	250	1077	1	250			
LNAV/VNAV DA	1225	1	398	1225	1	398	1225	1	398	1225	1	398			
LNAV MDA	1200	1	373	1200	1	373	1200	1	373	1200	1	373			
CIRCLING	1260	1	430	1280	1	450	1280	1 1/2	450	1380	2	550			
NOTES: CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *LNAV ONLY SEE 8260-10															
CITY AND STATE				ELEVATION: 830 TDZE: 827		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
KOKOMO, IN				AIRPORT NAME:		RNAV		RNAV (GPS) RWY 23, ORIG				AMDT: NONE			
				KOKOMO MUNI				29 JUL 2010				DATED			

QUALITY
CHECKED

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

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

NOTES CONT.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 46C (114F).

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

CHART NOTE: PROCEDURE NA FOR ARRIVALS AT KOKOMO VORTAC ON V285 SOUTHBOUND.

CHART NOTE: PROCEDURE NA FOR ARRIVALS AT FT WAYNE VORTAC ON V38-144 AND V340 EASTBOUND AND V221 NORTHBOUND.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MUNCIE ALTIMETER SETTING AND INCREASE ALL DA AND MDA 100 FEET AND INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS AND LNAV CATS A, B, AND C.

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

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING MUNCIE ALTIMETER SETTING, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/4, LNAV CAT C VISIBILITY TO 1 1/4 AND CAT D VISIBILITY TO 1 1/2.

CHART NOTE: WHEN USING MUNCIE ALTIMETER SETTING, INOPERATIVE TABLE DOES NOT APPLY TO LNAV CATS A AND B.

QUALITY
4
CHECKED

CITY AND STATE

KOKOMO, IN

ELEVATION: 830

TDZE: 827

AIRPORT NAME:

KOKOMO MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 23, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KOKK
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	403157.8000N
LTP/FTP LONGITUDE	0860314.6700W
LTP/FTP ELLIPSOIDAL HEIGHT	+02150
FPAP LATITUDE	403121.4200N
FPAP LONGITUDE	0860402.2400W
THRESHOLD CROSSING HEIGHT (TCH)	00044.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	94.25
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER 3D4E9849

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02495
FPAP ORTHOMETRIC HEIGHT	+02495

QUALITY
4
CHECKED

CITY AND STATE KOKOMO, IN	ELEVATION: 830 TDZE: 827 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED:

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

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ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	FWA	K5011780VTHW	N40584463W085111701		N40584463W085111701E0000007932				NARFORT	WAYNE			
SUSAD	MZZ	K5010860VDLA	N40293604W085404532		N40293604W085404532W0030008501				NARMARION				
SUSAD	OKK	K5011350VTH	N40314004W086032886		N40314004W086032886E0000008302				NARKOKOMO				

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	FROWN	K50	C	N40331004W086014015				W0045	NAR		FROWN		
SUSAEENRT	HADUN	K50	W	N40391090W085534669				W0047	NAR		HADUN		
SUSAEENRT	JURIT	K50	W	N40353839W085490842				W0047	NAR		JURIT		
SUSAEENRT	WEBUX	K50	W	N40240746W086132801				W0043	NAR		WEBUX		
SUSAEENRT	WOXOG	K50	C	N40345411W085592383				W0046	NAR		WOXOG		

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KOKKK5AOKK	0	052YHN40314144W086033236W002000830			1800018000C		MNAR		KOKOMO MUNI			

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KOKKK5FR23	AFWA	010PWA	K5D 0V	A	IF				18000		A	JS
SUSAP	KOKKK5FR23	AFWA	020HADUNK5EA0EE	B	010TF		24100377		+ 02400			A	JS
SUSAP	KOKKK5FR23	AMZZ	010MZZ	K5D 0V	IF					18000		A	JS
SUSAP	KOKKK5FR23	AMZZ	020JURITK5EA0E	A	020TF		31540088		+ 02400			A	JS
SUSAP	KOKKK5FR23	AMZZ	030HADUNK5EA0EE	B	010TF		31710050		+ 02400			A	JS
SUSAP	KOKKK5FR23	AOKK	010OKK	K5D 0V	IF					18000		A	JS
SUSAP	KOKKK5FR23	AOKK	020HADUNK5EA0EY		020TF		04650105		+ 02400			A	JS
SUSAP	KOKKK5FR23	AOKK	030HADUNK5EA0EE	AR	HF		22700040		+ 02400			A	JS
SUSAP	KOKKK5FR23	R	010HADUNK5EA0E	I	IF				+ 02400	18000		A	JS
SUSAP	KOKKK5FR23	R	020WOXOGK5EA1E	F	051TF		22700061		+ 02200		RW23	K5PGA	JS
SUSAP	KOKKK5FR23	R	020WOXOGK5EA2WALPV		ALNAV/VNAV ALNAV								JS
SUSAP	KOKKK5FR23	R	021FROWNK5EA0E	S	031TF		22700025		V 0140001407		-300		A
SUSAP	KOKKK5FR23	R	030RW23	K5PGOGY	M	031TF	22700017		00863		-300		A
SUSAP	KOKKK5FR23	R	040		M	010CA	2270		+ 01077				A
SUSAP	KOKKK5FR23	R	050WEBUKK5EA0EY		010DF				+ 03000				A

QUALITY
CHECKED

CITY AND STATE KOKOMO, IN	ELEVATION: 830 TDZE: 827	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME: KOKOMO MUNI		RNAV (GPS) RWY 23, ORIG	AMDT: NONE
	29 JUL 2010		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 KOKKK5FR23 R 060WEBUXK5EA0EE R020HM

04680040 + 03000

A JS

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

SUSAP KOKKK5GRW23 0052012269 N40315780W086031467+0200 +0215000819000045150I

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

SUSAP KOKKK5PR23 RW23 001 0000W23A0N4031578000W08603146700+021500300N4031214200W08604022400094250000000446F4005003D4E9849
 SUSAP KOKKK5PR23 RW23 002E +02495+02495LPV 40119

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

SUSAP KOKKK5SRW23 K5PG 0 18018002925 M

QUALITY
CHECKED

CITY AND STATE KOKOMO, IN	ELEVATION: 830 TDZE: 827 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 23, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 05, 14, 23, 32 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 05: TREES BEGINNING 501 FT FROM DER, 362 FT RIGHT OF CENTERLINE, UP TO 41 FT AGL/870 FT MSL. SILO AND TREES BEGINNING 639 FT FROM DER, 457 FT LEFT OF CENTERLINE, UP TO 52 FT AGL/881 FT MSL. **NOTE: RWY 14:** TREES, BUSHES AND SILO BEGINNING 7 FT FROM DER, 196 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/890 FT MSL. **NOTE: RWY 23:** SIGN, POLE, TREES AND ROAD BEGINNING 22 FT FROM DER, 7 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/905 FT MSL. **NOTE: RWY 32:** HANGAR AND POLE BEGINNING 153 FT FROM DER, 490 FT RIGHT OF CENTERLINE, UP TO 23 FT AGL/852 FT MSL. TREES AND SILO BEGINNING 949 FT FROM DER, 279 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/877 FT MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
CHECKED

(5) City, State

KOKOMO, IN

(6) Airport

KOKOMO MUNI

(7) Effective Date

29 JUL 2010

(8) Amdt. No.

ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.23								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: OKK VORTAC							
										CLIMB TO 2600 THEN RIGHT TURN DIRECT OKK VORTAC AND HOLD.							
										ADDITIONAL FLIGHT DATA: HOLD NE, RT, 219.00 INBOUND. CHART FAS OBST: 970 TOWER 403335N/0855955W FAS OBST: 1049 AAO 403400N/0855946W FAC CROSSES RWY C/L EXTENDED 3000 FROM THLD.							
1. PT <u>R</u> SIDE OF COURSE <u>039.35</u> OUTBOUND <u>2400</u> FT WITHIN <u>10</u> MILES OF <u>OKK VORTAC</u> (IAF) 2. _____ 3. FAC <u>219.35</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT <u>BOLKY/OKK 2.80 DME 1360*</u> 8. MSA FROM: <u>OKK VORTAC 2900</u>														MAG VAR: 0E		EPOCH YEAR: 1970	
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	1360	1	533	1360	1	533	1360	1	533	1360	1 1/4	533					
CIRCLING	1360	1	530	1360	1	530	1360	1 1/2	530	1380	2	550					
BOLKY FIX MINIMUMS																	
S-23	1220	1	393	1220	1	393	1220	1	393	1220	1	393					
CIRCLING	1260	1	430	1280	1	450	1280	1 1/2	450	1380	2	550					
NOTES: CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *1460 WHEN USING MUNCIE ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MUNCIE ALTIMETER SETTING AND INCREASE SEE 8260-10																	
CITY AND STATE KOKOMO, IN				ELEVATION: 830 TDZE: 827 AIRPORT NAME: KOKOMO MUNI				FACILITY IDENTIFIER: OKK		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 23, AMDT 20 29 JUL 2010				SUP VOR OR GPS RWY			
														23			
														AMDT 19A			
														DATE 08/08/2002			

QUALITY
&
CHECKED

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

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

NOTES CONT.

ALL MDA 100 FEET AND INCREASE S-23 CATS C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-23 CATS A AND B. BOLKY FIX MINIMUMS: FOR INOPERATIVE MALSR INCREASE CAT D VISIBILITY TO 1 1/4.

CHART NOTE: BOLKY FIX MINIMUMS: FOR INOPERATIVE MALSR WHEN USING MUNCIE ALTIMETER SETTING, INCREASE S-23 CAT C VISIBILITY TO 1 1/4.



CITY AND STATE KOKOMO, IN	ELEVATION: 830 TOZE: 827 AIRPORT NAME: KOKOMO MUNI	FACILITY IDENTIFIER: OKK	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 23, AMDT 20 29 JUL 2010	SUP: VOR OR GPS RWY
				23
				AMDT: 19A
				DATED: 08/08/2002

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.														
TERMINAL ROUTES															MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: OKK VORTAC												
												CLIMB TO 2600 THEN RIGHT TURN DIRECT OKK VORTAC AND HOLD.												
												ADDITIONAL FLIGHT DATA: HOLD SE, RT, 307.00 INBOUND. CHART FAS OBST: 947 TOWER 403056N/0860410W CHART 1096 TOWER 402709N/0855722W. CHART VDP AT 1.37 DME; DISTANCE VDP TO THLD 1.04 MILES. FAC CROSSES RWY C/L EXTENDED 1528 FROM THLD.												
1. PT <u>L</u> SIDE OF COURSE <u>127.00</u> OUTBOUND <u>2400</u> FT WITHIN <u>10</u> MILES OF <u>OKK VORTAC</u> (IAF) 2. _____ 3. FAC <u>307.00</u> FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT <u>BONNY/OKK 2.30 DME 1440*</u> 8. MSA FROM: <u>OKK VORTAC 2900</u>															MAG VAR: 0E					EPOCH YEAR: 1970				
MINIMUMS																								
TAKEOFF:		STANDARD		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: NA		STANDARD @										
CATEGORY =====>		A			B			C			D			E										
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA								
S-32		1440	1	614	1440	1	614	1440	1 3/4	614	1440	2	614											
CIRCLING		1440	1	610	1440	1	610	1440	1 3/4	610	1440	2	610											
BONNY FIX MINIMUMS																								
S-32		1200	1	374	1200	1	374	1200	1	374	1200	1 1/4	374											
CIRCLING		1260	1	430	1280	1	450	1280	1 1/2	450	1380	2	550											
NOTES: CHART NOTE: CIRCLING TO RWY 14 NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *1540 WHEN USING MUNCIE ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MUNCIE ALTIMETER SETTING AND INCREASE SEE 8260-10																								
CITY AND STATE KOKOMO, IN				ELEVATION: 830 TDZE: 826 AIRPORT NAME: KOKOMO MUNI				FACILITY IDENTIFIER: OKK				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 32, AMDT 20 29 JUL 2010				SUP VOR OR GPS RWY								
																32								
																AMDT 19A								
														DATE		08/08/2002								



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

ALL MDA 100 FEET, INCREASE S-32 CAT C VISIBILITY 1/4 MILE. BONOY FIX MINIMUMS: INCREASE S-32
CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WHEN USING MUNCIE ALTIMETER SETTING.

QUALITY
CHECKED

CITY AND STATE

KOKOMO, IN

ELEVATION: 830 TDZE: 826

AIRPORT NAME:

KOKOMO MUNI

FACILITY
IDENTIFIER:

OKK

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 32, AMDT 20

29 JUL 2010

SUP: VOR OR GPS RWY
32

AMDT: 19A

DATED: 08/08/2002

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS OR VOR/DME RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.23

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF:		STANDARD		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A								
CATEGORY ----->		A			B			C			D			E				
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		

NOTES:

PROCEDURE CANCELED EFFECTIVE 29 JUL 2010

4
CHECKED

CITY AND STATE KOKOMO, IN	ELEVATION: 830 TDZE: 830	FACILITY IDENTIFIER: OKK	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RNAV OR GPS RWY 5, AMDT 5A, 07/22/1997	SUP
	AIRPORT NAME: KOKOMO MUNI			AMDT 5
				DATE 4/25/96

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

MAG VAR: 9E EPOCH YEAR:1985

[illegible]

QUALITY
CHECKED

SUP NDB OR GPS RWY	16
AMDT	1A
DATE	01/23/2003

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

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

TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE									
WIXAR (IAF)		HOMIM (NOPT) (FB)		074.01 / 5.00				5000		LPV: DA LNAV/VNAV: DA LNAV: RW16							
JITAM (IAF)		HOMIM (NOPT) (FB)		254.15 / 5.00				5000		CLIMB TO 5000 DIRECT JUNGU AND RIGHT TURN ON TRACK 284.08 TO ELYIJ AND RIGHT TURN ON TRACK 033.70 TO HOMIM AND HOLD.							
HOMIM (IF/IAF)		IHUKY (FB)		164.08 / 6.01				4800									
										ADDITIONAL FLIGHT DATA: CHART FAS OBST: 3038 POLE 395117N/1010247W CHART FAS OBST: 3119 TREE 395311N/1010327W DISTANCE TO THLD FROM 377 HAT: 1.06 NM. WAAS CHANNEL # 78118 REFERENCE PATH ID: W16A CHART MCCOOK ASOS							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. HOLD N HOMIM, RT, 164.08 INBOUND, 5000 FT. IN LIEU OF PT (IAF)																	
3. FAC: 164.09 FAF: IHUKY _____ DIST FAF TO MAP: 5.47 THLD: 5.47																	
4. MIN. ALT: HOMIM 5000, IHUKY 4800, HORUK/2.30 NM TO RW16 3760*																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: 4800 GS ALT AT: IHUKY 4800 _____ OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR																	
8. MSA FROM: _____																	
MAG VAR: 9E EPOCH YEAR: 1985																	
MINIMUMS																	
TAKEOFF: ☐ STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ☒																	
CATEGORY ==>		A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA		
LPV DA	3368	1 1/4	377	3368	1 1/4	377	3368	1 1/4	377	3368	1 1/4	377					
LNAV/VNAV DA	3435	1 1/2	444	3435	1 1/2	444	3435	1 1/2	444	3435	1 1/2	444					
LNAV MDA	3500	1	509	3500	1	509	3500	1 1/2	509	3500	1 1/2	509					
CIRCLING																	
	3620	1	629	3620	1	629	3620	1 3/4	629	3720	2 1/4	729					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. *LNAV ONLY CHART NOTE: BARO-VNAV NA. SEE 8260-10																	
CITY AND STATE				ELEVATION: 2991 TDZE: 2991				FACILITY IDENTIFIER:				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:	
ATWOOD, KS				AIRPORT NAME:				RNAV				RNAV (GPS) RWY 16, ORIG				AMDT: NONE	
				ATWOOD-RAWLINS COUNTY CITY-CO								29 JUL 2010				DATED	

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART NOTE: USE MCCOOK ALTIMETER SETTING, WHEN NOT RECEIVED; USE GOODLAND ALTIMETER SETTING AND INCREASE ALL DA 62 FEET AND ALL MDA 80 FEET, INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, LNAV CAT D AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

CHART NOTE: CIRCLING NA TO RWYS 17 AND 35, AND RWYS 3 AND 21.

TAA

	FROM	TO	ALT
1.	074/30 CW 254/30 (NOPT)	HOMIM (IF/IAF) (FB)	5000
2.	254/30 CW 344/30	JITAM (IAF) (FB)	5000
3.	344/30 CW 074/30	WIXAR (IAF) (FB)	5000

QUALITY
2
CHECKED

CITY AND STATE

ATWOOD, KS

ELEVATION: 2991

TDZE: 2991

AIRPORT NAME:

ATWOOD-RAWLINS COUNTY CITY-CO

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 16, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KADT
RUNWAY RW16
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W16A
LTP/FTP LATITUDE 395053.6785N
LTP/FTP LONGITUDE 1010239.5515W
LTP/FTP ELLIPSOIDAL HEIGHT +08876
FPAP LATITUDE 394925.1500N
FPAP LONGITUDE 1010225.6600W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

49C6E18B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +09117
FPAP ORTHOMETRIC HEIGHT +09117

QUALITY
2
CHECKED

CITY AND STATE ATWOOD, KS	ELEVATION: 2991 TDZE: 2991 AIRPORT NAME: ATWOOD-RAWLINS COUNTY CITY-CO	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KADTK3FR16	AHOMIM	010HOMIMK3EA0EE	AR	HF		16410050		+ 05000	18000			A JS	
SUSAP KADTK3FR16	AJITAM	010JITAMK3EA0E	A	IF					18000			A JS	
SUSAP KADTK3FR16	AJITAM	020HOMIMK3EA0EE	B	010TF		25420050		+ 05000				A JS	
SUSAP KADTK3FR16	AWIXAR	010WIXARK3EA0E	A	IF					18000			A JS	
SUSAP KADTK3FR16	AWIXAR	020HOMIMK3EA0EE	B	010TF		07400050		+ 05000				A JS	
SUSAP KADTK3FR16	R	010HOMIMK3EA0E	I	IF				+ 05000	18000			A JS	
SUSAP KADTK3FR16	R	020IHUKYK3EA1E	F	051TF		16410060		+ 04800				A JS	
SUSAP KADTK3FR16	R	020IHUKYK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KADTK3FR16	R	021HORUKK3EA0E	S	031TF		16410032		V 0376003768		-300		A JS	
SUSAP KADTK3FR16	R	030RW16 K3PGOGY	M	031TF		16410023		03031		-300		A JS	
SUSAP KADTK3FR16	R	040	0	M	010CA	1641		+ 03368				A JS	
SUSAP KADTK3FR16	R	050JUNGUK3EA0E		010DF								A JS	
SUSAP KADTK3FR16	R	060ELYJK3EA0E		R010TFY		2841						A JS	
SUSAP KADTK3FR16	R	070HOMIMK3EA0EY		R010TFY		0337		+ 05000				A JS	
SUSAP KADTK3FR16	R	080HOMIMK3EA0EE		R020HM		16410050		+ 05000				A JS	

[illegible]

SUP:	
AMDT:	NONE
DATED:	

PAGE 4 OF 5 PAGES

QUALITY
CHECKED

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

[illegible]

QUALITY
CHECKED

CITY AND STATE ATWOOD, KS	ELEVATION: 2991 TDZE: 2991 AIRPORT NAME: ATWOOD-RAWLINS COUNTY CITY-CO	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:
STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 17, TREES BEGINNING 3041' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/849' MSL.

NOTE: RWY 35, TREES BEGINNING 2442' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/859' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
5
CHECKED

(5) City, State COFFEYVILLE, KS	(6) Airport COFFEYVILLE MUNI	(7) Effective Date	(8) Amdt. No. 1

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES								MISSED APPROACH							
FROM	TO	COURSE AND DISTANCE			ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW03 CLIMB TO 3000 DIRECT ETOXY AND LEFT TURN ON TRACK 281.21 TO GENUS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 170.00 INBOUND. CHART FAS OBST: 1069 TREE 381247N/0842606W DISTANCE TO THLD FROM 200 HAT: 0.55 NM. CHART VDP AT 1.12 MILES TO RW03* *LNAV ONLY. WAAS CHANNEL # 56309 REFERENCE PATH ID: W03A									
UPDEW (IAF)	ZENWA (NOPT) (FB)	118.54 / 5.00			3000										
EPORE (IAF)	ZENWA (NOPT) (FB)	298.66 / 5.00			3000										
ZENWA (IF/IAF)	OKNEW (FB)	028.60 / 6.11			2600										
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD SW ZENWA, RT, 028.60 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>028.63</u> FAF: <u>OKNEW</u> DIST FAF TO MAP: <u>5.06</u> THLD: <u>5.06</u> 4. MIN. ALT: <u>ZENWA 3000, OKNEW 2600, FEMSA/2.00 NM TO RW03 1600*</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>2600</u> GS ALT AT: <u>OKNEW 2600</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>34.0</u> 34:1 IS CLEAR 8. MSA FROM: <u> </u>								MAG VAR: 3W EPOCH YEAR: 1990							
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X										
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1140	3/4	200	1140	3/4	200	1140	3/4	200	1140	3/4	200			
LNAV/VNAV DA	1375	1 1/2	435	1375	1 1/2	435	1375	1 1/2	435	1375	1 1/2	435			
LNAV MDA	1320	1	380	1320	1	380	1320	1	380	1320	1 1/4	380			
CIRCLING	1420	1	473	1420	1	473	1420	1 1/2	473	1580	2	633			
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. *LNAV ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LEXINGTON ALTIMETER SETTING AND SEE 8260-10															
CITY AND STATE				ELEVATION: 947 TDZE: 940		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
GEORGETOWN, KY				AIRPORT NAME:				RNAV (GPS) RWY 3, AMDT 2				AMDT: 1			
				GEORGETOWN SCOTT COUNTY - MARSHALL FLD				29 JUL 2010				DATED 09/25/2008			

QUALITY
2
CHECKED

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

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

NOTES CONT.

INCREASE LPV DA TO 1178, LNAV/VNAV DA TO 1413, AND ALL MDA 40 FEET; INCREASE LPV AND LNAV/VNAV VISIBILITY ALL CATS AND LNAV CAT C AND CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WITH LEXINGTON ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	299/30 CW 119/30 (NOPT)	299/10 CW 119/10	3100
	299/10 CW 119/10	ZENWA (IF/IAF) (FB)	3000
2.	119/30 CW 209/30	UPDEW (IAF) (FB)	3000
3.	209/30 CW 299/30	EPORE (IAF) (FB)	3000

QUALITY
2
CHECKED

CITY AND STATE

GEORGETOWN, KY

ELEVATION: 947 TDZE: 940

AIRPORT NAME:

GEORGETOWN SCOTT COUNTY - MARSHALL
FLDFACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 3, AMDT 2

29 JUL 2010

SUP:

AMDT: 1

DATED: 09/25/2008

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

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

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

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	27K
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	381339.4695N
LTP/FTP LONGITUDE	0842619.7790W
LTP/FTP ELLIPSOIDAL HEIGHT	+02500
FPAP LATITUDE	381459.8700N
FPAP LONGITUDE	0842530.8000W
THRESHOLD CROSSING HEIGHT (TCH)	00034.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

B4BAFF8E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02837
FPAP ORTHOMETRIC HEIGHT	+02837

QUALITY
2
CHECKED

CITY AND STATE
GEORGETOWN, KY

ELEVATION: 947 TDZE: 940
AIRPORT NAME:
GEORGETOWN SCOTT COUNTY - MARSHALL
FLD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 3, AMDT 2
29 JUL 2010

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

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 27K K5FR03	AEPORE 010EPOREK5EA0E	A	IF							18000		A JS	
SUSAP 27K K5FR03	AEPORE 020ZENWAK5EA0EE	B	010TF			29870050		+ 03000				A JS	
SUSAP 27K K5FR03	AUPDEW 010UPDEWK5EA0E	A	IF							18000		A JS	
SUSAP 27K K5FR03	AUPDEW 020ZENWAK5EA0EE	B	010TF			11850050		+ 03000				A JS	
SUSAP 27K K5FR03	AZENWA 010ZENWAK5EA0EE	AR	HF			02860040		+ 03000		18000		A JS	
SUSAP 27K K5FR03	R 010ZENWAK5EA0E	I	IF					+ 03000		18000		A JS	
SUSAP 27K K5FR03	R 0200KNEWK5EA1E	F	051TF			02860061		+ 02600				A JS	
SUSAP 27K K5FR03	R 0200KNEWK5EA2WALPV			ALNAV/VNAV	ALNAV							JS	
SUSAP 27K K5FR03	R 021FEMSAK5EA0E	S	031TF			02860031		V 0160001606		-300		A JS	
SUSAP 27K K5FR03	R 030RW03 K5PG0GY	M	031TF			02860020		00965		-300		A JS	
SUSAP 27K K5FR03	R 040 0 M 010CA					0286		+ 01140				A JS	
SUSAP 27K K5FR03	R 050ETOXYK5EA0E		010DF									A JS	
SUSAP 27K K5FR03	R 060GENUSK5EA0EY	L010TFY				2812		+ 03000				A JS	
SUSAP 27K K5FR03	R 070GENUSK5EA0EE	R020HM				17000040		+ 03000				A JS	

[illegible]

QUALITY
CHECKED

CITY AND STATE GEORGETOWN, KY	ELEVATION: 947 TDZE: 940	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, AMDT 2 29 JUL 2010	SUP:
	AIRPORT NAME:			AMDT: 1
	GEORGETOWN SCOTT COUNTY - MARSHALL F.L.D.			DATED: 09/25/2008

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

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

[illegible]

QUALITY
CHECKED

CITY AND STATE
GEORGETOWN, KY

ELEVATION: 947 TDZE: 940
AIRPORT NAME:
GEORGETOWN SCOTT COUNTY - MARSHALL
FLD

FACILITY IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 3, AMDT 2
29 JUL 2010

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

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
URAYE (IAF)	OBUGE (NOPT) (FB)	298.79 / 5.00	3000	LNAV: RW21 CLIMBING RIGHT TURN TO 3000 DIRECT GENUS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 170.00 INBOUND. CHART FAS OBST: 1109 TREE 381527N/0842551W CHART VDP AT 1.20 MILES TO RW21. ETOXY TO RW21: 3.04/30
EPZOK (IAF)	OBUGE (NOPT) (FB)	118.67 / 5.00	3000	
OBUGE (IF/IAF)	ETOXY (FB)	208.73 / 6.10	2500	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE OBUGE, RT, 208.73 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 208.70 FAF: ETOXY DIST FAF TO MAP: 4.72 THLD: 4.72
- MIN. ALT: OBUGE 3000, ETOXY 2500, CUDIG/1.90 NM TO RW21 1580
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 3W

EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1360	1	413	1360	1	413	1360	1 1/4	413	1360	1 1/4	413			
CIRCLING	1420	1	473	1420	1	473	1420	1 1/2	473	1580	2	633			

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VDP NA WITH LEXINGTON ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LEXINGTON ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET; INCREASE LNAV AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CITY AND STATE GEORGETOWN, KY	ELEVATION: 947 TDZE: 947 AIRPORT NAME: GEORGETOWN SCOTT COUNTY - MARSHALL FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Y RWY 21, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED

QUALITY
2
CHECKED

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

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

TAA

	FROM	TO	ALT
1.	119/30 CW 299/30 (NOPT)	OBUGE (IF/IAF) (FB)	3000
2.	299/30 CW 029/30	299/10 CW 029/10	3100
	299/10 CW 029/10	URAYE (IAF) (FB)	3000
3.	029/30 CW 119/30	EPZOK (IAF) (FB)	3000

CITY AND STATE

GEORGETOWN, KY

ELEVATION: 947

TDZE: 947

AIRPORT NAME:

GEORGETOWN SCOTT COUNTY - MARSHALL
FLDFACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Y RWY 21, ORIG

29 JUL 2010

SUP:

AMDT:

DATED:

2

QUALITY
CHECKED

NONE

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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 27K K5FR21-Y AEPZOK 010EPZOKK5EA0E A IF										18000		B JS	
SUSAP 27K K5FR21-Y AEPZOK 020OBUG EK5EA0EE B 010TF							11870050	+ 03000				B JS	
SUSAP 27K K5FR21-Y AOBUGE 010OBUG EK5EA0EE AR HF							20870040	+ 03000		18000		B JS	
SUSAP 27K K5FR21-Y AURAYE 010URAY EK5EA0E A IF										18000		B JS	
SUSAP 27K K5FR21-Y AURAYE 020OBUG EK5EA0EE B 010TF							29880050	+ 03000				B JS	
SUSAP 27K K5FR21-Y R 010OBUG EK5EA0E I IF								+ 03000		18000		B JS	
SUSAP 27K K5FR21-Y R 020ETOXYK5EA1E F 051TF							20870061	+ 02500				B JS	
SUSAP 27K K5FR21-Y R 020ETOXYK5EA2WN					N	ALNAV						JS	
SUSAP 27K K5FR21-Y R 021CUDIGK5EA0E S 031TF							20870028	V 0158001586		-304		B JS	
SUSAP 27K K5FR21-Y R 030RW21 K5PG0GY M 031TF							20870019	00977		-304		B JS	
SUSAP 27K K5FR21-Y R 040 0 M 010CA							2087	+ 01347				B JS	
SUSAP 27K K5FR21-Y R 050GENUSK5EA0EY R010DF								+ 03000				B JS	
SUSAP 27K K5FR21-Y R 060GENUSK5EA0EE R020HM							17000040	+ 03000				B JS	

[illegible]

QUALITY
4
CHECKED

PAGE 3 OF 3 PAGES

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
URAYE (IAF)	OBUGE (NOPT) (FB)	298.79 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW21 CLIMB TO 3000 DIRECT YAPUT AND RIGHT TURN ON TRACK 300.83 TO SOKOC AND RIGHT TURN ON TRACK 049.34 TO GENUS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 170.00 INBOUND. CHART FAS OBST: 1109 TREE 381527N/0842551W DISTANCE TO THLD FROM 200 HAT: 0.53 NM. CHART VDP AT 1.20 MILES TO RW21* *LNAV ONLY. WAAS CHANNEL # 48909 REFERENCE PATH ID: W21A
EPZOK (IAF)	OBUGE (NOPT) (FB)	118.67 / 5.00	3000	
OBUGE (IF/IAF)	ETOXY (FB)	208.73 / 6.10	2500	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE OBUGE, RT, 208.73 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 208.70 FAF: ETOXY DIST FAF TO MAP: 4.72 THLD: 4.72
- MIN. ALT: OBUGE 3000, ETOXY 2500, CUDIG/1.90 NM TO RW21 1580*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2500 GS ALT AT: ETOXY 2500 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 30.0 34:1 IS CLEAR
- MSA FROM:

MAG VAR: 3W

EPOCH YEAR: 1990

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N/A			X						
CATEGORY =====>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA		1147	3/4	200	1147	3/4	200	1147	3/4	200	1147	3/4	200			
LNAV/VNAV DA		1421	1 3/4	474	1421	1 3/4	474	1421	1 3/4	474	1421	1 3/4	474			
LNAV MDA		1360	1	413	1360	1	413	1360	1 1/4	413	1360	1 1/4	413			
CIRCLING		1420	1	473	1420	1	473	1420	1 1/2	473	1580	2	633			

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 46C (114F).

CHART NOTE: DME/DME RNP-0.3 NA.

*LNAV ONLY

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

SEE 8260-10

CITY AND STATE	ELEVATION: 947 TDZE: 947	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 21, AMDT 2 29 JUL 2010	SUP: RNAV (GPS) RWY 21
GEORGETOWN, KY	AIRPORT NAME: GEORGETOWN SCOTT COUNTY - MARSHALL FLD			AMDT: 1
				DATED 09/25/2008

QUALITY
2
CHECKED

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

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NOTES CONT.

INCREASE LPV DA TO 1185, LNAV/VNAV DA TO 1459, AND ALL MDA 40 FEET; INCREASE LPV ALL CATS AND LNAV CAT D AND CIRCLING CAT D VISIBILITY 1/4 MILE.

CHART NOTE: BARO-VNAV AND VDP NA WITH LEXINGTON ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	119/30 CW 299/30 (NOPT)	OBUGE (IF/IAF) (FB)	3000
2.	299/30 CW 029/30	299/10 CW 029/10	3100
	299/10 CW 029/10	URAYE (IAF) (FB)	3000
3.	029/30 CW 119/30	EPZOK (IAF) (FB)	3000

QUALITY
2
CHECKED

CITY AND STATE GEORGETOWN, KY	ELEVATION: 947 TDZE: 947 AIRPORT NAME: GEORGETOWN SCOTT COUNTY - MARSHALL FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 21, AMDT 2 29 JUL 2010	SUP. RNAV (GPS) RWY 21
				AMDT: 1
				DATED: 09/25/2008

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	27K
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	381428.4545N
LTP/FTP LONGITUDE	0842549.9410W
LTP/FTP ELLIPSOIDAL HEIGHT	+02550
FPAP LATITUDE	381308.0600N
FPAP LONGITUDE	0842638.9200W
THRESHOLD CROSSING HEIGHT (TCH)	00030.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

97847CCB

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02887
FPAP ORTHOMETRIC HEIGHT	+02887

QUALITY
2
CHECKED

CITY AND STATE GEORGETOWN, KY	ELEVATION: 947 TDZE: 947 AIRPORT NAME: GEORGETOWN SCOTT COUNTY - MARSHALL FLD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 21, AMDT 2 29 JUL 2010	SUP. RNAV (GPS) RWY 21
				AMDT: 1
				DATED: 09/25/2008

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 27K K5FR21-Z AEPZOK	010EPZOKK5EA0E	A	IF							18000		A	JS
SUSAP 27K K5FR21-Z AEPZOK	0200BUGEK5EA0EE	B	010TF			11870050		+ 03000				A	JS
SUSAP 27K K5FR21-Z AOBUGE	0100BUGEK5EA0EE	AR	HF			20870040		+ 03000		18000		A	JS
SUSAP 27K K5FR21-Z AURAYE	010URAYEK5EA0E	A	IF							18000		A	JS
SUSAP 27K K5FR21-Z AURAYE	0200BUGEK5EA0EE	B	010TF			29880050		+ 03000				A	JS
SUSAP 27K K5FR21-Z R	0100BUGEK5EA0E	I	IF					+ 03000		18000		A	JS
SUSAP 27K K5FR21-Z R	020ETOXYK5EA1E	F	051TF			20870061		+ 02500				A	JS
SUSAP 27K K5FR21-Z R	020ETOXYK5EA2WALPV			ALNAV/VNAV	ALNAV								JS
SUSAP 27K K5FR21-Z R	021CUDIGK5EA0E	S	031TF			20870028		V 0158001586		-300		A	JS
SUSAP 27K K5FR21-Z R	030RW21 K5PG0GY	M	031TF			20870019		00977		-300		A	JS
SUSAP 27K K5FR21-Z R	040	0	M 010CA			2087		+ 01147				A	JS
SUSAP 27K K5FR21-Z R	050YAPUTK5EA0E		010DF									A	JS
SUSAP 27K K5FR21-Z R	060SOKOCK5EA0E		R010TFY			3008						A	JS
SUSAP 27K K5FR21-Z R	070GENUSK5EA0EY		R010TFY			0493		+ 03000				A	JS
SUSAP 27K K5FR21-Z R	080GENUSK5EA0EE		R020HM			17000040		+ 03000				A	JS

QUALITY
4
CHECKED

SUP:	RNAV (GPS) RWY 21
AMDT:	1
DATED:	09/25/2008

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

SUSAP 27K K5GRW21 0054982087 N38142845W084254994-0300 +0255000947000030100R

SUSAP 27K K5PR21-Z RW21 001Z0000W21A0N3814284545W08425499410+025500300N3813080600W08426389200106751072000300F40035097847CCB
SUSAP 27K K5PR21-Z RW21 002E +02887+02887LPV 48909

QUALITY
A
CHECKED

SUP:	RNAV (GPS) RWY 21
AMDT:	1
DATED:	09/25/2008

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
OAKUM (IAF)	QEFFO (NOPT) (FB)	269.69 / 5.00	3100	LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 3200 DIRECT ANETT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 359.65 INBOUND. CHART FAS OBST: 1089 TREE 373848N/0842028W FAS OBST: 1199 AAO 374131N/0841959W DISTANCE TO THLD FROM 250 HAT: 0.72 NM. WAAS CHANNEL # 63114 REFERENCE PATH ID: W18A
PACID (IAF)	QEFFO (NOPT) (FB)	089.56 / 5.00	3100	
QEFFO (IF/IAF)	RAXEW (FB)	179.63 / 6.17	2600	

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD N QEFFO, RT, 179.63 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 179.63 FAF: RAXEW DIST FAF TO MAP: 4.93 THLD: 4.93
4. MIN. ALT: QEFFO 3100, RAXEW 2600
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 2600 GS ALT AT: RAXEW 2600 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM:

MAG VAR: 5W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: ☐	STANDARD ☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A ☒												
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1235	1	250	1235	1	250	1235	1	250	1235	1	250			
LNAV/VNAV DA	1378	1 1/2	393	1378	1 1/2	393	1378	1 1/2	393	1378	1 1/2	393			
LNAV MDA	1460	1	475	1460	1	475	1460	1 1/4	475	1460	1 1/2	475			
CIRCLING	1480	1	478	1480	1	478	1480	1 1/2	478	1560	2	558			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGS1 AND RANV GLIDEPATH NOT COINCIDENT.
 CHART NOTE: BARO-VNAV NA WHEN USING LEXINGTON ALTIMETER SETTING.
 SEE 8260-10

CITY AND STATE RICHMOND, KY	ELEVATION: 1002 TDZE: 985 AIRPORT NAME: MADISON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED

QUALITY
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE LEXINGTON ALTIMETER SETTING AND INCREASE ALL DA 67 FEET AND ALL MDA 80 FEET; AND INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, AND LNAV CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 46C (114F).

TAA

	FROM	TO	ALT
1.	090/30 CW 270/30 (NOPT)	QEFFO (IF/IAF) (FB)	3100
2.	270/30 CW 360/30	270/26 CW 360/26	3600
3.	270/26 CW 360/26	OAKUM (IAF) (FB)	3200
4.	360/30 CW 090/30	PACID (IAF) (FB)	3200

QUALITY
CHECKED

CITY AND STATE

RICHMOND, KY

ELEVATION: 1002 TDZE: 985

AIRPORT NAME:

MADISON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	139
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	373812.3175N
LTP/FTP LONGITUDE	0841959.0035W
LTP/FTP ELLIPSOIDAL HEIGHT	+02630
FPAP LATITUDE	373643.5100N
FPAP LONGITUDE	0841948.5300W
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	1408
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

B3FA10DE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02948
FPAP ORTHOMETRIC HEIGHT	+02948

QUALITY
CHECKED

CITY AND STATE RICHMOND, KY	ELEVATION: 1002 TDZE: 985 AIRPORT NAME: MADISON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP I39 K5FR18	AOAKUM	0100AKUMK5EA0E	A	IF						18000		A JS	
SUSAP I39 K5FR18	AOAKUM	020QEFFOK5EA0EE	B	010TF		26970050		+ 03100				A JS	
SUSAP I39 K5FR18	APACID	010PACIDK5EA0E	A	IF						18000		A JS	
SUSAP I39 K5FR18	APACID	020QEFFOK5EA0EE	B	010TF		08960050		+ 03100				A JS	
SUSAP I39 K5FR18	AQEFFO	010QEFFOK5EA0EE	AR	HF		17960040		+ 03100		18000		A JS	
SUSAP I39 K5FR18	R	010QEFFOK5EA0E	I	IF				+ 03100		18000		A JS	
SUSAP I39 K5FR18	R	020RAXEWK5EA1E	F	051TF		17960062		+ 02600				A JS	
SUSAP I39 K5FR18	R	020RAXEWK5EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP I39 K5FR18	R	030RW18 K5PGOGY	M	031TF		17960049		01007		-300		A JS	
SUSAP I39 K5FR18	R	040	0	M 010CA		1796		+ 01235				A JS	
SUSAP I39 K5FR18	R	050ANETTK5EA0EY		010DF				+ 03200				A JS	
SUSAP I39 K5FR18	R	060ANETTK5EA0EE		R020HM		35970040		+ 03200				A JS	

[illegible][illegible]

SUP:	
AMDT:	NONE
DATED:	

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

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

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

	SUSAP 139 K5PR18	RW18 002E	+02948+02948LPV		63114								

QUALITY
CHECKED

CITY AND STATE
RICHMOND, KY

ELEVATION: 1002 TDZE: 985
AIRPORT NAME:
MADISON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 18, ORIG
29 JUL 2010

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
JUMOP (IAF)	ANETT (NOPT) (FB)	089.59 / 5.00	3100
EBTAC (IAF)	ANETT (NOPT) (FB)	269.71 / 5.00	3100
ANETT (IF/IAF)	CICJO (FB)	359.65 / 6.07	2600

LPV: DA
LNAV/VNAV: DA
LNAV: RW36

CLIMB TO 3100 DIRECT QEFPO AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 179.63 INBOUND.
CHART FAS OBST: 1159 TREE 373634N/0842007W
CHART FAS OBST: 1199 TREE 373444N/0842003W
CHART: 1728 TOWER 373241N/0841741W
DISTANCE TO THLD FROM 286 HAT: 0.77 NM.
WAAS CHANNEL # 40218
REFERENCE PATH ID: W36A

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S ANETT, RT, 359.65 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
- FAC: 359.65 FAF: CICJO DIST FAF TO MAP: 4.83 THLD: 4.83
- MIN. ALT: ANETT 3100, CICJO 2600, BRIGY/2.50 NM TO RW36 1840'
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2600 GS ALT AT: CICJO 2600 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 5W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF: <u> </u>	STANDARD ☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N ☐ A ☒												
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1288	1	286	1288	1	286	1288	1	286	1288	1	286			
LNAV/VNAV DA	1470	1 3/4	468	1470	1 3/4	468	1470	1 3/4	468	1470	1 3/4	468			
LNAV MDA	1460	1	458	1460	1	458	1460	1 1/4	458	1460	1 1/2	458			
CIRCLING	1480	1	478	1480	1	478	1480	1 1/2	478	1560	2	558			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
*LNAV ONLY
SEE 8260-10

CITY AND STATE RICHMOND, KY	ELEVATION: 1002 TDZE: 1002 AIRPORT NAME: MADISON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED

QUALITY
4
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) - STANDARD

INSTRUMENT APPROACH PROCEDURE - FAR PART 97.33

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE LEXINGTON ALTIMETER SETTING AND INCREASE ALL DA 67 FEET AND ALL MDA 80 FEET; INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS, AND LNAV CAT C AND D VISIBILITY 1/4 MILE.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17 C (2 F) OR ABOVE 46 C (114 F).

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

TAA

	FROM	TO	ALT
1.	270/30 CW 090/30 (NOPT)	270/19 CW 090/19	3600
2.	270/19 CW 090/19	ANETT (IF/IAF) (FB)	3100
3.	090/30 CW 180/30	JUMOP (IAF) (FB)	3200
4.	180/30 CW 270/30	EBTAC (IAF) (FB)	3200

QUALITY
4
CHECKED

CITY AND STATE

RICHMOND, KY

ELEVATION: 1002 TDZE: 1002

AIRPORT NAME:

MADISON

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	139
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	W36A
REFERENCE PATH IDENTIFIER (APPROACH ID)	373728.9070N
LTP/FTP LATITUDE	0841953.8760W
LTP/FTP LONGITUDE	+02736
LTP/FTP ELLIPSOIDAL HEIGHT	373857.7200N
FPAP LATITUDE	0842004.3600W
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	1376
LENGTH OFFSET	40.0
HORIZONTAL ALERT LIMIT (HAL)	50.0
VERTICAL ALERT LIMIT (VAL)	

CRC REMAINDER

1617A834

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03054
FPAP ORTHOMETRIC HEIGHT	+03054

QUALITY
4
CHECKED

CITY AND STATE

RICHMOND, KY

ELEVATION: 1002

TDZE: 1002

AIRPORT NAME:

MADISON

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 36, ORIG

29 JUL 2010

SUP:

AMDT:

NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP I39 K5FR36	AANETT	010ANETTK5EA0EE	AR	HF			35970040	+	03100	18000		A JS	G
SUSAP I39 K5FR36	AJUMOP	010JUMOPK5EA0E	A	IF						18000		A JS	G
SUSAP I39 K5FR36	AJUMOP	020ANETTK5EA0EE	B	010TF			08960050	+	03100			A JS	G
SUSAP I39 K5FR36	AEBTAC	010EBTACK5EA0E	A	IF						18000		A JS	G
SUSAP I39 K5FR36	AEBTAC	020ANETTK5EA0EE	B	010TF			26970050	+	03100			A JS	G
SUSAP I39 K5FR36	R	010ANETTK5EA0E	I	IF				+	03100	18000		A JS	G
SUSAP I39 K5FR36	R	020CICJOK5EA1E	F	051TF			35970061	+	02600			A JS	G
SUSAP I39 K5FR36	R	020CICJOK5EA2WALPV			ALNAV/VNAV	ALNAV						JS	G
SUSAP I39 K5FR36	R	021BRIGYK5EA0E	S	031TF			35970023	V	0184001844	-300		A JS	G
SUSAP I39 K5FR36	R	030RW36 K5PG0GY	M	031TF			35970025		01042	-300		A JS	G
SUSAP I39 K5FR36	R	040		0 M 010CA			3597	+	01288			A JS	G
SUSAP I39 K5FR36	R	050QEFFOK5EA0EY		010DF				+	03100			A JS	G
SUSAP I39 K5FR36	R	060QEFFOK5EA0EE		R020HM			17960040	+	03100			A JS	G

[illegible]

QUALITY
4
CHECKED

SUP:	
AMDT:	NONE
DATED:	

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

CITY AND STATE RICHMOND, KY	ELEVATION: 1002 TDZE: 1002 AIRPORT NAME: MADISON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

QUALITY
4
CHECKED

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 36, STANDARD.

RWY 18, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 229 FT PER NM TO 1300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1700 FT PRIOR TO DEPARTURE END OF RUNWAY.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 18 - CLIMB HEADING 179.64 TO 1900 BEFORE TURNING LEFT.

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, TREES BEGINNING 272' FROM DER, 230' RIGHT OF CENTERLINE, UP TO 100' AGL/1099' MSL. TREES BEGINNING 579' FROM DER, 105' LEFT OF CENTERLINE UP TO 100' AGL/1119' MSL.

NOTE: RWY 36, TREES BEGINNING 6' FROM DER, 276' LEFT OF CENTERLINE, UP TO 100' AGL/1059' MSL. TREES BEGINNING 105' FROM DER, 463' RIGHT OF CENTERLINE UP TO 49' AGL/1009' MSL. VEHICLE ON ROAD BEGINNING 156' FROM DER LEFT AND RIGHT OF CENTERLINE UP TO 15' AGL/984' MSL.

(4) CONTROLLING OBSTACLES:

RWY 18 - 1159' MSL TREE 373634.38N/0842006.52W. 1739' MSL TOWER 373310.00N-0841717.00W.

QUALITY
2
CHECKED

(5) City, State

RICHMOND, KY

(6) Airport

MADISON

(7) Effective Date

29 JUL 2010

(8) Amdt. No.

ORIG

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.23					Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.										
TERMINAL ROUTES										MISSED APPROACH					
FROM	TO	COURSE AND DISTANCE				ALTITUDE				MAP: HYK 20.84 DME FIX CLIMBING RIGHT TURN TO 2600 VIA HYK VORTAC R-161 TO HAGEN/15.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 161.39 INBOUND. FAS OBST: 1199 AAO 374131N/0841959W					
HYK VORTAC (IF/IAF)	HAGEN/15.00 DME	161.39 / 15.00				2600									
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 HYK VORTAC 3. FAC <u>161.39</u> FAF <u>HAGEN/15.00 DME</u> DIST FAF TO MAP <u> </u> THLD <u>5.84</u> 4. MIN. ALT <u>HYK VORTAC 2800, HAGEN 2600</u> 8. MSA FROM: <u>HYK VORTAC 3100</u>										MAG VAR: 0E EPOCH YEAR: 1965					
MINIMUMS															
TAKEOFF:	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE:	NA	☒				
CATEGORY =====>	A		B		C		D		E						
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-18	1460	1	475	1460	1 1/4	475	1460	1 1/2	475	1460	1 3/4	475			
CIRCLING	1480	1	478	1480	1 1/4	478	1480	1 1/2	478	1560	2	558			
NOTES: CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON HYK VORTAC AIRWAY RADIALS 103 CW 202. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE LEXINGTON ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.															
CITY AND STATE RICHMOND, KY		ELEVATION: 1002 TDZE: 985 AIRPORT NAME: MADISON		FACILITY IDENTIFIER: HYK		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RWY 18, AMDT 6 29 JUL 2010				SUP VOR/DME OR GPS RWY 18					
										AMDT 5					
										DATE 02/19/2004					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS OR VOR/DME RNAV STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																				
TERMINAL ROUTES															MISSED APPROACH																																																																																																															
FROM			TO			COURSE AND DISTANCE					ALTITUDE																																																																																																																			
															ADDITIONAL FLIGHT DATA:																																																																																																															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. _____ 3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: _____															MAG VAR: _____ EPOCH YEAR: _____																																																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">TAKEOFF: ☐</td> <td colspan="2">STANDARD ☐</td> <td colspan="6">SEE FAA FORM 8260-15A FOR THIS AIRPORT</td> <td colspan="2">ALTERNATE: N A ☐</td> <td colspan="3"></td> </tr> <tr> <td colspan="2">CATEGORY =====></td> <td colspan="3" style="text-align: center;">A</td> <td colspan="3" style="text-align: center;">B</td> <td colspan="3" style="text-align: center;">C</td> <td colspan="3" style="text-align: center;">D</td> <td colspan="3" style="text-align: center;">E</td> </tr> <tr> <td></td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> <td>MDA</td> <td>VIS</td> <td>HAT/HAA</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>															TAKEOFF: ☐		STANDARD ☐		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A ☐					CATEGORY =====>		A			B			C			D			E				MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA																																																																
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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>29 JUL 2010</u>																																																																																																																														
CITY AND STATE RICHMOND, KY				ELEVATION: 1002 TDZE: 1002 AIRPORT NAME: MADISON				FACILITY IDENTIFIER: HYK		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RNAV OR GPS RWY 36, AMDT 6 4/1/93				SUP AMDT 5 DATE 01 APR 93																																																																																																																

QUALITY
 2
 CHECKED

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW18 CLIMBING RIGHT TURN TO 4800 DIRECT VISLY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4800. ADDITIONAL FLIGHT DATA: FAS OBST: 1479 AAO 423910N/0720155W SAPTE TO RW18: 3.05/45.
WALAL (IAF)	VISLY (NOPT) (FB)	088.75 / 5.00	4800	
TETAE (IAF)	VISLY (NOPT) (FB)	268.89 / 5.00	4800	
VISLY (IF/IAF)	SAPTE (FB)	178.82 / 6.06	3000	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD N VISLY, RT, 178.82 INBOUND, 4800 FT. IN LIEU OF PT (IAF)
- FAC: 178.82 FAF: SAPTE DIST FAF TO MAP: 6.17 THLD: 6.17
- MIN. ALT: VISLY 4800, SAPTE 3000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 14W

EPOCH YEAR: 1970

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
CIRCLING	1800	1	845	1800	1 1/4	845	1840	2 3/4	885	1860	3	905			

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: USE WORCESTER ALTIMETER SETTING, WHEN NOT RECEIVED USE ORANGE MUNI ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.

QUALITY
6
CHECKED

CITY AND STATE GARDNER, MA	ELEVATION: 955 TDZE: AIRPORT NAME: GARDNER MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 29 JUL 2010	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.

TAA

	FROM	TO	ALT
1.	089/30 CW 269/30 (NOPT)	VISLY (IF/IAF) (FB)	4800
2.	269/30 CW 359/30	TETAE (IAF) (FB)	4800
3.	359/30 CW 089/30	WALAL (IAF) (FB)	4800

QUALITY
3
CHECKED

CITY AND STATE

GARDNER, MA

ELEVATION: 955 TDZE:
AIRPORT NAME:

GARDNER MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS)-B, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

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

SUP:	
AMDT:	NONE
DATED:	

PAGE 3 OF 3 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.23

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	
				MAP: 1.85 MILES AFTER GDM VOR/DME OR AT MACXE/GDM 1.85 DME FIX CLIMBING LEFT TURN TO 3000 DIRECT GDM VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD W, RT, 096.81 INBOUND. CHART FAS OBST: 1399 TREE 423228N/0720202W

1. PT L SIDE OF COURSE 276.81 OUTBOUND 3000 FT WITHIN 10 MILES OF GDM VOR/DME (IAF)
2.
3. FAC 096.78 FAF GDM VOR/DME DIST FAF TO MAP 1.85 THLD
4. MIN. ALT GDM VOR/DME 2400
8. MSA FROM: GDM VOR/DME 060-330 3300, 330-060 4400

MAG VAR: 14W EPOCH YEAR: 1970

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	☒										
CATEGORY =====>		A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
CIRCLING		1760	1	805	1760	1 1/4	805	1840	2 3/4	885	1860	3	905			

NOTES:

CHART NOTE: USE WORCESTER ALTIMETER SETTING, WHEN NOT RECEIVED USE ORANGE MUNI ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.

QUALITY
6
CHECKED

CITY AND STATE GARDNER, MA	ELEVATION: 955 TDZE: AIRPORT NAME: GARDNER MUNI	FACILITY IDENTIFIER: GDM	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 6 29 JUL 2010	SUP VOR OR GPS-A AMDT 5A DATE 03/15/2007

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.25								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 6.20 MILES AFTER ELEPE INT//EIF 7.35 DME OR AT WARKA/EIF 1.15 DME FIX CLIMB TO 4000 ON HEADING 259.28 AND PWL VOR/DME R-021 TO HIDAL INT/PWL 29.99 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 200.74 INBOUND. CHART FAS OBST: 1285 TOWER 422700N/0731250W ELEPE TO RW26: 3.48/54. CHART IN PLANVIEW ONLY: CAM 32.16 DME AT ELEPE.							
CAM VOR/DME		ELEPE INT//EIF 7.35 DME		178.78 / 32.16				5700									
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD <u>E</u> ELEPE, LT, 259.27 INBOUND, 3600 FT. IN LIEU OF PT (IAF) 3. FAC <u>259.27</u> FAF ELEPE INT//EIF 7.35 DME DIST FAF TO MAP <u>6.20</u> THLD <u>6.50</u> 4. MIN. ALT <u>ELEPE INT//EIF 7.35 DME 3600, HEKIR INT//EIF 4.05 DME 2300</u> 8. MSA FROM: CTR VOR/DME 270-090 4700, 090-270 3900														MAG VAR: 15W		EPOCH YEAR: 2000	
MINIMUMS																	
TAKEOFF: <u> </u>		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-26	2300	1 1/4	1124	2300	1 1/4	1124	2300	3	1124	2300	3	1124					
CIRCLING	2300	1 1/4	1106	2300	1 1/2	1106	2300	3	1106	2300	3	1106					
HEKIR FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)																	
S-26	1880	1	704	1880	1	704	1880	2	704	1880	2 1/4	704					
CIRCLING	1880	1	686	1880	1	686	1880	2	686	2200	3	1006					
NOTES: CHART NOTE: CIRCLING TO RWY 14/32 NA AT NIGHT. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: CIRCLING NA SOUTH OF RWYS 8 AND 32. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART IN PLANVIEW: DME REQUIRED FOR PROCEDURE ENTRY.																	
CITY AND STATE PITTSFIELD, MA				ELEVATION: 1194 TDZE: 1176 AIRPORT NAME: PITTSFIELD MUNI				FACILITY IDENTIFIER: I-EIF		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 26, AMDT 8 29 JUL 2010				SUP			
														AMDT 7			
														DATE 08/03/2006			

QUALITY
6
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - FAR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.																																																																																																																																						
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FROM			TO			COURSE AND DISTANCE					ALTITUDE																																																																																																																																					
ADDITIONAL FLIGHT DATA:																																																																																																																																																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. _____ 3. FAC _____ FAF _____ DIST FAF TO MAP _____ THLD _____ 4. MIN. ALT _____ 8. MSA FROM: _____															MAG VAR: _____					EPOCH YEAR: _____																																																																																																																												
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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>29 JUL 2010</u>																																																																																																																																																
CITY AND STATE BIDDEFORD, ME				ELEVATION: 157 TDZE: 157 AIRPORT NAME: BIDDEFORD MUNI				FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 6, ORIG-A 05/07/2008				SUP AMDT ORIG DATE 08/13/1998																																																																																																																																		

QUALITY
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US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW06 CLIMBING LEFT TURN TO 3000 DIRECT ENE VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 242.00 INBOUND. FAS OBST: 429 AAO 432648N/0703041W CHART VDP AT 1.37 MILES TO RW06. SWLCH TO RW06: 3.03/31											
ARMIE (IAF)	DEXXY (NOPT) (FB)	345.91 / 9.05	2300												
SATAN (IAF)	DEXXY (NOPT) (FB)	125.87 / 8.52	2300												
DEXXY (IF/IAF)	SWLCH (FB)	057.65 / 6.10	1300												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW DEXXY, RT, 057.65 INBOUND, 2300 FT. IN LIEU OF PT (IAF) 3. FAC: 057.71 FAF: SWLCH _____ DIST FAF TO MAP: 3.49 THLD: 3.49 4. MIN. ALT: DEXXY 2300, SWLCH 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 CLEAR 8. MSA FROM: RW06 3600				MAG VAR: 17W 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	680	1	523	680	1	523	680	1 1/2	523		NA				
CIRCLING	780	1	623	780	1	623	780	1 3/4	623		NA				
SANFORD ALTIMETER SETTING MINIMUMS															
LNAV MDA	720	1	563	720	1	563	720	1 1/2	563		NA				
CIRCLING	820	1	663	820	1	663	820	1 3/4	663		NA				
NOTES: CHART NOTE: CIRCLING TO RWY 24 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ARMIE VIA V167 SOUTHBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SATAN VIA V93 WESTBOUND. SEE 8260-10															
CITY AND STATE		ELEVATION: 157 TDZE: 157		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
BIDDEFORD, ME		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 6, ORIG 29 JUL 2010				AMDT: NONE					
		BIDDEFORD MUNI								DATED					

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

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NOTES CONT.

CHART PROFILE NOTE: VGS1 AND DESCENT ANGLES NOT COINCIDENT.

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

CHART NOTE: VDP NA WITH SANFORD ALTIMETER SETTING.

CITY AND STATE

BIDDEFORD, ME

ELEVATION: 157 TDZE: 157

AIRPORT NAME:

BIDDEFORD MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP B19 K6FR06	AARMIE	010ARMIEK6EA0E	A	IF						18000		B JS	
SUSAP B19 K6FR06	AARMIE	020DEXXYK6EA0EE	B	010TF			34590091	+	02300			B JS	
SUSAP B19 K6FR06	ADEXXY	010DEXXYK6EA0EE	AR	HF			05770040	+	02300	18000		B JS	
SUSAP B19 K6FR06	ASATAN	010SATANK6EA0E	A	IF						18000		B JS	
SUSAP B19 K6FR06	ASATAN	020DEXXYK6EA0EE	B	010TF			12590085	+	02300			B JS	
SUSAP B19 K6FR06	R	010DEXXYK6EA0E	I	IF				+	02300	18000		B JS	
SUSAP B19 K6FR06	R	020SWLCHK6EA1E	F	051TF			05770061	+	01300		RW06	K6PGB	JS
SUSAP B19 K6FR06	R	020SWLCHK6EA2WN			N	ALNAV							JS
SUSAP B19 K6FR06	R	030RW06 K6PG0GY	M	031TF			05770035		00178	-303		B JS	
SUSAP B19 K6FR06	R	040	0	M 010CA			0577	+	00557			B JS	
SUSAP B19 K6FR06	R	050ENE K6D 0VY	L010DF					+	03000			B JS	
SUSAP B19 K6FR06	R	060ENE K6D 0VE	L020HM				24200040	+	03000			B JS	

[illegible]

DATED:

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

CITY AND STATE BIDDEFORD, ME	ELEVATION: 157 TDZE: 157 AIRPORT NAME: BIDDEFORD MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG 29 JUL 2010	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	
ELX VOR/DME	PAWGI (FB)	256.78 / 12.87	2500	LNAV: RW09 CLIMB TO 2700 DIRECT YEGTU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 275.25 INBOUND. CHART FAS OBST: 849 TREE 415945N/0860801W FOXUN TO RW09: 3.04/35.
GIJ VORTAC	ZUBIV (FB)	342.79 / 9.18	2500	
MAPER (IAF)	JUBLA (NOPT) (FB)	102.80 / 15.33	2500	
PAWGI (IAF)	JUBLA (NOPT) (FB)	184.90 / 5.00	2500	
ZUBIV (IAF)	JUBLA (NOPT) (FB)	084.90 / 5.00	2500	
JUBLA (IF/IAF)	FOXUN (FB)	094.90 / 6.15	2500	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD W JUBLA, RT, 094.90 INBOUND, 2500 FT. IN LIEU OF PT (IAF)
- FAC: 094.99 FAF: FOXUN DIST FAF TO MAP: 5.35 THLD: 5.35
- MIN. ALT: JUBLA 2500, FOXUN 2500, CISHO/1.90 NM TO RW09 1380
- 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: RW09 3000

MAG VAR: 5W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A	FOR THIS AIRPORT	ALTERNATE: N A	X									
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1100	1	360	1100	1	360	1100	1	360	1100	1 1/4	360			
CIRCLING	1320	1	573	1320	1	573	1340	1 1/2	593	1340	2	593			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: PROCEDURE NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF, WHEN NOT RECEIVED, USE ELKHART ALTIMETER
SEE 8260-10

QUALITY
CHECKED

CITY AND STATE DOWAGIAC, MI	ELEVATION: 747 TDZE: 740 AIRPORT NAME: DOWAGIAC MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 29 JUL 2010	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.

SETTING AND INCREASE ALL MDA 60 FEET; INCREASE LNAV AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT ELX VOR/DME ON V100 EASTBOUND.

CHART PALNVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT GLJ VORTAC ON V228 EASTBOUND.

QUALITY
6
CHECKED

CITY AND STATE

DOWAGIAC, MI

ELEVATION: 747 TDZE: 740

AIRPORT NAME:

DOWAGIAC MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

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

ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	ELX	K5011660VDL	N42083988W086072174	N42083988W086072174E0000007941	NARKEELER	G							
SUSAD	GIJ	K5011540VTHA	N41460700W086190647	N41460700W086190647E0000008042	NARGIPPER	G							

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	CISHO	K50	W	N41593741W086105347	W0047	NAR	CISHO	G					
SUSAEENRT	FOXUN	K50	W	N41593747W086153111	W0047	NAR	FOXUN	G					
SUSAEENRT	JUBLA	K50	W	N41593711W086234593	W0045	NAR	JUBLA	G					
SUSAEENRT	MAPER	K50	C	L N42014377W086440803	W0043	NAR	MAPER	G					
SUSAEENRT	PAWGI	K50	W	N42043723W086234663	W0046	NAR	PAWGI	G					
SUSAEENRT	YEGTU	K50	W	N41593524W085515302	W0050	NAR	YEGTU	G					
SUSAEENRT	ZUBIV	K50	W	N41543698W086234523	W0045	NAR	ZUBIV	G					

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP C91	K5AC91	0	047YHN41593450W086074180W005000747	1800018000C	MNAR	DOWAGIAC MUNI	G						

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP C91	K5FR09	AEIX	010ELX	K5D 0V	IF					18000		B JS	G
SUSAP C91	K5FR09	AEIX	020PAWGIK5EAOE	A 020TF		25680129	+ 02500					B JS	G
SUSAP C91	K5FR09	AEIX	030JUBLAK5EAOEE	B 010TF		18490050	+ 02500					B JS	G
SUSAP C91	K5FR09	AGIJ	010GIJ	K5D 0V	IF					18000		B JS	G
SUSAP C91	K5FR09	AGIJ	020ZUBIVK5EAOE	A 020TF		34280092	+ 02500					B JS	G
SUSAP C91	K5FR09	AGIJ	030JUBLAK5EAOEE	B 010TF		00490050	+ 02500					B JS	G
SUSAP C91	K5FR09	AJUBLA	010JUBLAK5EAOEE	AR HF		09490040	+ 02500			18000		B JS	G
SUSAP C91	K5FR09	AMAPER	010MAPERK5EAOE	A IF						18000		B JS	G
SUSAP C91	K5FR09	AMAPER	020JUBLAK5EAOEE	B 010TF		10280153	+ 02500					B JS	G
SUSAP C91	K5FR09	R	010JUBLAK5EAOE	I IF			+ 02500			18000		B JS	G
SUSAP C91	K5FR09	R	020FOXUNK5EAE	F 051TF		09490062	+ 02500				RW09	K5PGB JS	G
SUSAP C91	K5FR09	R	020FOXUNK5EAE2WN		N	ALNAV						JS	G
SUSAP C91	K5FR09	R	021CISHOK5EAOE	S 031TF		09500035	V 0138001387			-304		B JS	G
SUSAP C91	K5FR09	R	030RW09	K5PGOGY M 031TF		09500019	00771			-304		B JS	G

QUALITY
CHECKED

CITY AND STATE DOWAGIAC, MI	ELEVATION: 747 TDZE: 740	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: DOWAGIAC MUNI			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.

1000

PAGE 4 OF 4 PAGES

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
TERMINAL ROUTES				MISSED APPROACH	
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LNAV: RW27	
ELX VOR/DME	KIMBY (FB)	114.35 / 12.24	2700	CLIMB TO 2500 DIRECT JUBLA AND HOLD.	
LINGS	ZUDOB (FB)	019.68 / 3.52	2700		
RESGY (IAF)	YEGTU (NOPT) (FB)	244.98 / 14.44	2700		
KIMBY (IAF)	YEGTU (NOPT) (FB)	185.25 / 5.00	2700		
ZUDOB (IAF)	YEGTU (NOPT) (FB)	005.25 / 5.00	2700		
YEGTU (IF/IAF)	WUKOV (FB)	275.25 / 6.18	2500	ADDITIONAL FLIGHT DATA: HOLD W, RT, 094.90 INBOUND. CHART FAS OBST: 999 TREE 415959N/0860334W WUKOV TO RW27: 3.04/35.	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E YEGTU, RT, 275.25 INBOUND, 2700 FT. IN LIEU OF PT (IAF) 3. FAC: 275.16 FAF: WUKOV _____ DIST FAF TO MAP: 5.32 THLD: 5.32 4. MIN. ALT: YEGTU 2700, WUKOV 2500, SLOAT/2.50 NM TO RW27 1580 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: RW27 3000					
				MAG VAR: 5W EPOCH YEAR: 2010	
MINIMUMS					
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	X
CATEGORY ==>	A		B		C
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS
LNAV MDA	1260	1	513	1260	1 1/2
CIRCLING	1320	1	573	1320	1 1/2
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF, WHEN NOT RECEIVED, USE ELKHART ALTIMETER SEE 8260-10					
CITY AND STATE		ELEVATION: 747 TDZE: 747		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
DOWAGIAC, MI		AIRPORT NAME:		RNAV (GPS) RWY 27, ORIG	
		DOWAGIAC MUNI		29 JUL 2010	
		FACILITY IDENTIFIER: RNAV		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.

SETTING AND INCREASE ALL MDA 60 FEET; INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ELX VOR/DME AIRWAY RADIALS 061 CW 077.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RESGY ON V285 NORTHBOUND.

QUALITY
A
CHECKED

CITY AND STATE

DOWAGIAC, MI

ELEVATION: 747 TDZE: 747

AIRPORT NAME:

DOWAGIAC MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP C91 K5FR27	AELX	010ELX	K5D 0V	IF						18000		B JS	
SUSAP C91 K5FR27	AELX	020KIMBYK5EA0E	A 020TF			11440122		+ 02700				B JS	
SUSAP C91 K5FR27	AELX	030YEGTUK5EA0EE	B 010TF			18530050		+ 02700				B JS	
SUSAP C91 K5FR27	ALINGS	010LINGSK5EA0E	IF							18000		B JS	
SUSAP C91 K5FR27	ALINGS	020ZUDOBK5EA0E	A 020TF			01970035		+ 02700				B JS	
SUSAP C91 K5FR27	ALINGS	030YEGTUK5EA0EE	B 010TF			00530050		+ 02700				B JS	
SUSAP C91 K5FR27	ARESGY	010RESGYK5EA0E	A IF							18000		B JS	
SUSAP C91 K5FR27	ARESGY	020YEGTUK5EA0EE	B 010TF			24500144		+ 02700				B JS	
SUSAP C91 K5FR27	AYEGTU	010YEGTUK5EA0EE	AR HF			27530040		+ 02700		18000		B JS	
SUSAP C91 K5FR27	R	010YEGTUK5EA0E	I IF					+ 02700		18000		B JS	
SUSAP C91 K5FR27	R	020WUKOVK5EA1E	F 051TF			27530062		+ 02500			RW27	K5PGB JS	
SUSAP C91 K5FR27	R	020WUKOVK5EA2WN		N		ALNAV						JS	
SUSAP C91 K5FR27	R	021SLOATK5EA0E	S 031TF			27520028		V 0158001594		-304		B JS	
SUSAP C91 K5FR27	R	030RW27 K5PG0GY	M 031TF			27520025		00782		-304		B JS	

QUALITY
A
CHECKER

CITY AND STATE DOWAGIAC, MI	ELEVATION: 747 TDZE: 747 AIRPORT NAME: DOWAGIAC MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP C91 K5PR27	R	040	0	M	010CA		2752		+ 01147			B JS	
SUSAP C91 K5PR27	R	050JUBLAK5EA0EY	010DF						+ 02500			B JS	
SUSAP C91 K5PR27	R	060JUBLAK5EA0EE	R020HM				09490040		+ 02500			B JS	
	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP C91 K5GRW27		0047002751	N41593724W086071835-0200				+0194200747000035100R						
	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP C91 K5SRW27	K5PG		0	18018003025								M	

QUALITY
CHECKED

CITY AND STATE

DOWAGIAC, MI

ELEVATION: 747 TDZE: 747

AIRPORT NAME:

DOWAGIAC MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	HOLD N ELX VOR/DME, RT, 181.27 INBOUND, 2500 FT. IN LIEU OF PT (IAF)				
3. FAC	181.27	FAF SABAH INT/5.00 DME	DIST FAF TO MAP		4.04 THLD
4. MIN. ALT	ELX VOR/DME 2500, SABAH 2500				
8. MSA FROM:	ELX VOR/DME 2500				
					MAG VAR: 0E EPOCH YEAR:1965

[illegible]

CHART NOTE: CIRCLING TO RWY 09 NA AT NIGHT.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON ELX VOR/DME AIRWAY RADIALS 271 CW 094.
CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF, WHEN NOT RECEIVED, USE ELKHART ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET: INCREASE CIRCLING CAT C VISIBILITY 1/4 MILE.

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

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
GPS OR VOR/DME RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.23

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____

EPOCH YEAR: _____

TAKEOFF:		STANDARD		SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A								
CATEGORY =====>		A			B			C			D			E				
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		

NOTES:

PROCEDURE CANCELED EFFECTIVE 29 JUL 2010

CITY AND STATE DOWAGIAC, MI	ELEVATION: 748 TDZE: 748 AIRPORT NAME: DOWAGIAC MUNI	FACILITY IDENTIFIER: ELX	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR/DME RNAV OR GPS RWY 27, AMDT 6 8/18/1994	SUP AMDT 5 DATE 10/15/1992

QUALITY
2
CHECKED

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 29 JUL 2010

CITY AND STATE DRUMMOND ISLAND, MI	ELEVATION: 668 TDZE: 661 AIRPORT NAME: DRUMMOND ISLAND	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 8, ORIG, 05/22/1997	SUP
				AMDT NONE
				DATE

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

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

ADDITIONAL FLIGHT DATA:

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

MAG VAR: _____ EPOCH YEAR: _____

TAKEOFF: _____	STANDARD _____	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A _____								
CATEGORY >>>>>>	A			B			C			D			E			
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	

NOTES:

PROCEDURE CANCELED EFFECTIVE 29 JUL 2010

CITY AND STATE DRUMMOND ISLAND, MI	ELEVATION: 668 TDZE: 661 AIRPORT NAME: DRUMMOND ISLAND	FACILITY IDENTIFIER: GPS	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 26, ORIG, 05/22/1997	SUP
				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				
REEFY (IAF)	OKBIW (NOPT) (FB)	352.17 / 9.82	3000	LNAV: RW08 CLIMB TO 2500 DIRECT VUNPY AND HOLD.			
OKBIW (IF/IAF)	JYIB (FB)	078.91 / 6.01	2500				
				ADDITIONAL FLIGHT DATA: HOLD E, RT, 259.27 INBOUND. FAS OBST: 869 AAO 455833N/0834951W JYIB TO RW08 3.05/35			

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)	
2. <u>HOLD W OKBIW, RT, 078.91 INBOUND, 3000 FT. IN LIEU OF PT (IAF)</u>	
3. FAC: <u>079.01</u> FAF: <u>JYIB</u> DIST FAF TO MAP: <u>5.59</u> THLD: <u>5.59</u>	
4. MIN. ALT: <u>OKBIW 3000, JYIB 2500</u>	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____	
6. MIN GS INCP: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____	
7. GS ANGLE: _____ TCH: <u>34:1 IS NOT CLEAR</u>	
8. MSA FROM: <u>RW08 2900</u>	

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA	1120	1	459	1120	1	459	1120	1 1/4	459		NA				
CIRCLING	1160	1	492	1160	1	492	1160	1 1/2	492		NA				

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: CIRCLING TO RWY 18-36 NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAULT STE MARIE ALTIMETER SETTING AND SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE DRUMMOND ISLAND, MI	ELEVATION: 668 TDZE: 661	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: DRUMMOND ISLAND			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.

INCREASE ALL MDA 100 FEET, INCREASE LNAV CAT C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT REEFY ON V45 SOUTHBOUND.

QUALITY
CHECKED

CITY AND STATE DRUMMOND ISLAND, MI	ELEVATION: 668 TDZE: 661 AIRPORT NAME: DRUMMOND ISLAND	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KDRMK5FR08	AOKBIW	0100KBIWK5EA0EE	AR	HF			07890040	+	03000	18000		B JS	
SUSAP KDRMK5FR08	AREEFY	010REEFYK5EA0E	A	IF						18000		B JS	
SUSAP KDRMK5FR08	AREEFY	0200KBIWK5EA0EE	B	010TF			35220098	+	03000			B JS	
SUSAP KDRMK5FR08	R	0100KBIWK5EA0E	I	IF						18000		B JS	
SUSAP KDRMK5FR08	R	020JIYIBK5EA1E	F	051TF			07890060	+	02500		RW08	K5PGB JS	
SUSAP KDRMK5FR08	R	020JIYIBK5EA2WN			N	ALNAV						JS	
SUSAP KDRMK5FR08	R	030RW08 K5PG0GY	M	031TF			07900056		00692		-305	B JS	
SUSAP KDRMK5FR08	R	040	0	M 010CA			0790	+	01068			B JS	
SUSAP KDRMK5FR08	R	050VUNPYK5EA0EY		010DF					02500			B JS	
SUSAP KDRMK5FR08	R	060VUNPYK5EA0EE		R020HM			25930040	+	02500			B JS	

[illegible][illegible]

QUALITY
4
CHECKED

CITY AND STATE DRUMMOND ISLAND, MI	ELEVATION: 668 TDZE: 661 AIRPORT NAME: DRUMMOND ISLAND	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

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

TERMINAL ROUTES										MISSED APPROACH					
FROM			TO			COURSE AND DISTANCE			ALTITUDE	LNAV: RW26					
REEFY EFVEV (IAF) VUNPY (IF/IAF)			EFVEV (FB)			066.57 / 22.42			3000	CLIMB TO 3000 DIRECT OKBIW AND HOLD.					
			VUNPY (NOPT) (FB)			349.30 / 5.00			2500						
						JUNBU (FB)			259.27 / 6.10			1700	ADDITIONAL FLIGHT DATA: HOLD W, RT, 078.91 INBOUND. CHART FAS OBST: 879 TOWER 460050N/0834127W JUNBU TO RW26 3.03/40		

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

2. HOLD E VUNPY, RT, 259.27 INBOUND, 2500 FT. IN LIEU OF PT (IAF)

3. FAC: 259.17 FAF: JUNBU DIST FAF TO MAP: 3.12 THLD: 3.12

4. MIN. ALT: VUNPY 2500, JUNBU 1700

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: RW26 2900

MAG VAR: 7W EPOCH YEAR: 1995

MINIMUMS																
TAKEOFF:	☐ STANDARD ☒ X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A		STANDARD @							
CATEGORY =====>	A			B			C			D			E			
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	1180	1	519	1180	1	519	1180	1 1/2	519		NA					
CIRCLING	1180	1	512	1180	1	512	1180	1 1/2	512		NA					

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART NOTE: CIRCLING TO RWY 18-36 NA.
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 668 TDZE: 661	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DRUMMOND ISLAND, MI	AIRPORT NAME: DRUMMOND ISLAND		RNAV (GPS) RWY 26, ORIG 29 JUL 2010	AMDT: NONE
				DATED

QUALITY CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SAULT STE MARIE ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND INCREASE LNAV CAT C AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CITY AND STATE

DRUMMOND ISLAND, MI

ELEVATION: 668

TDZE: 661

AIRPORT NAME:

DRUMMOND ISLAND

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG

29 JUL 2010

SUP:

AMDT:

NONE

DATED:

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

[illegible]

SUP:	REC
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.23

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: CGG VOR
ELBOT INT	CGG VOR	160.53 / 16.82	3000	CLIMBING RIGHT TURN TO 3500 IN CGG VOR HOLDING PATTERN.
CARGA INT	CGG VOR	083.00 / 10.65	3000	
				ADDITIONAL FLIGHT DATA: HOLD NW, RT, 127.09 INBOUND. CHART FAS OBST: 1419 TREE 444104N/0844625W CHART R-4202. CHART R-4201 A AND B. CHART MAXIMUM PROCEDURE TURN ENTRY ALTITUDE 6000 CHART TDZE 1151 CHART APT ELEV 1156 FAC CROSSES RWY C/L EXTENDED 3731 FROM THLD.

1. PT R SIDE OF COURSE 307.09 OUTBOUND 2800 FT WITHIN 10 MILES OF CGG VOR (IAF)
 2. _____
 3. FAC 127.09 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT GORDN INT 1880*
 8. MSA FROM: CGG VOR 330-170 3100, 170-330 3500

MAG VAR: 6W 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		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-14	1880	1	729	1880	1	729	1880	2	729	1880	2 1/4	729			
CIRCLING	1880	1	724	1880	1	724	1880	2	724	1880	2 1/4	724			
GORDN FIX MINIMUMS															
S-14	1720	1	569	1720	1	569	1720	1 1/2	569	1720	1 3/4	569			
CIRCLING	1720	1	564	1720	1	564	1720	1 1/2	564	1760	2	604			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HOUGHTON LAKE ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE S-14 AND CIRCLING CAT B, C, AND D AND GORDN FIX MINIMUMS S-14 CAT C AND D AND CIRCLING CAT C VISIBILITY 1/4 MILE.
 *1940 WHEN USING HOUGHTON LAKE ALTIMETER SETTING

CITY AND STATE GRAYLING, MI	ELEVATION: 1156 TDZE: 1151 AIRPORT NAME: GRAYLING AAF	FACILITY IDENTIFIER: CGG	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 14, AMDT 2 29 JUL 2010	SUP AMDT 1C DATE 07/17/1997

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	
HOYTV (IAF)	EGUTY (NOPT) (FB)	147.85 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW06 CLIMB TO 3000 DIRECT FETUM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 238.16 INBOUND. FAS OBST: 1089 AAO 424404N/0843922W DISTANCE TO THLD FROM 282 HAT: 0.76 NM. WAAS CHANNEL # 82118 REFERENCE PATH ID: W06A CHART: ASR
BOODY (IAF)	EGUTY (NOPT) (FB)	327.95 / 5.00	3000	
EGUTY (IF/IAF)	STJOE (FB)	057.90 / 6.27	2100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SW EGUTY, RT, 058.02 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 057.97 FAF: STJOE DIST FAF TO MAP: 3.73 THLD: 3.73
- MIN. ALT: EGUTY 3000, STJOE 2100
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2100 GS ALT AT: STJOE 2100 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 5W

EPOCH YEAR: 1985

MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD										
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1140	1	282	1140	1	282	1140	1	282	1140	1	282			
LNAV/VNAV DA	1338	1 3/4	480	1338	1 3/4	480	1338	1 3/4	480	1338	1 3/4	480			
LNAV MDA	1340	1	482	1340	1	482	1340	1 1/4	482	1340	1 1/2	482			
CIRCLING	1380	1	519	1380	1	519	1380	1 1/2	519	1440	2	579			

NOTES:
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 46C (114F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CITY AND STATE LANSING, MI	ELEVATION: 861 TDZE: 858 AIRPORT NAME: CAPITAL REGION INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED

QUALITY
4
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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TAA

	FROM	TO	ALT
1.	328/30 CW 148/30 (NOPT)	EGUTY (IF/IAF) (FB)	3000
2.	148/30 CW 238/30	HOYTV (IAF) (FB)	3000
3.	238/30 CW 328/30	238/15 CW 328/15	3100
4.	238/15 CW 328/15	BOODY (IAF) (FB)	3000

QUALITY
5
CCITY AND STATE
LANSING, MIELEVATION: 861 TDZE: 858
AIRPORT NAME:
CAPITAL REGION INTLFACILITY
IDENTIFIER:
RNAVPROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 6, ORIG
29 JUL 2010SUP:
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 KLAN
RUNWAY RW06
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W06A
LTP/FTP LATITUDE 424623.4020N
LTP/FTP LONGITUDE 0843603.7640W
LTP/FTP ELLIPSOIDAL HEIGHT +02281
FPAP LATITUDE 424717.0000N
FPAP LONGITUDE 0843427.1000W
THRESHOLD CROSSING HEIGHT (TCH) 00040.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.00
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1224
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

F4F8B59F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K5
LTP ORTHOMETRIC HEIGHT +02616
FPAP ORTHOMETRIC HEIGHT +02616

QUALITY
5
CHECKED

CITY AND STATE

LANSING, MI

ELEVATION: 861

TDZE: 858

AIRPORT NAME:

CAPITAL REGION INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KLANK5FR06	ABOODY	010BOODYK5EA0E	A	IF						18000		A JS	
SUSAP KLANK5FR06	ABOODY	020EGUTYK5EA0EE	B	010TF		32800050		+ 03000				A JS	
SUSAP KLANK5FR06	AEGUTY	010EGUTYK5EA0EE	AR	HF		05800040		+ 03000		18000		A JS	
SUSAP KLANK5FR06	AHOYTV	010HOYTVK5EA0E	A	IF						18000		A JS	
SUSAP KLANK5FR06	AHOYTV	020EGUTYK5EA0EE	B	010TF		14790050		+ 03000				A JS	
SUSAP KLANK5FR06	R	010EGUTYK5EA0E	I	IF				+ 03000		18000		A JS	
SUSAP KLANK5FR06	R	020STJOEK5EA1E	F	051TF		05790063		+ 02100				A JS	
SUSAP KLANK5FR06	R	020STJOEK5EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KLANK5FR06	R	030RW06 K5PG0GY	M	031TF		05800037		00898		-300		A JS	
SUSAP KLANK5FR06	R	040	0	M 010CA		0580		+ 01140				A JS	
SUSAP KLANK5FR06	R	050PETUMK5EA0EY		010DF				+ 03000				A JS	
SUSAP KLANK5FR06	R	060PETUMK5EA0EE		R020HM		23820040		+ 03000				A JS	

[illegible][illegible]

QUALITY
4
CHECKED

SUP:	
AMDT:	NONE
DATED:	

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

CITY AND STATE LANSING, MI	ELEVATION: 861 TDZE: 858 AIRPORT NAME: CAPITAL REGION INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

QUALITY
4
CHECKED

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.

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE	MAP: 5.42 MILES AFTER LAN VORTAC OR AT LAN 5.42 DME FIX
				CLIMB TO 2500 THEN CLIMBING LEFT TURN TO 2600 DIRECT LAN VORTAC AND HOLD.
				ADDITIONAL FLIGHT DATA: HOLD SW, RT, 056.93 INBOUND. FAS OBST: 1089 AAO 424404N/0843922W. LAN VORTAC TO RW06: 2.96/40. CHART ASR

1. PT	L	SIDE OF COURSE	236.85	OUTBOUND	2600	FT WITHIN	10	MILES OF	LAN VORTAC	(IAF)	
2.											
3. FAC	056.85	FAF	LAN VORTAC					DIST FAF TO MAP	5.42	THLD	5.42
4. MIN. ALT	LAN VORTAC 2600										
8. MSA FROM:	LAN VORTAC 3000										

EPOCH YEAR:1995

MINIMUMS

[illegible]

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

QUALITY
1
CHECKED

CITY AND STATE LANSING, MI	ELEVATION: 861 TDZE: 858 AIRPORT NAME: CAPITAL REGION INTL	FACILITY IDENTIFIER: LAN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 6, AMDT 25 29 JUL 2010	SUP	VOR OR GPS RWY
					6
				AMDT	24A
				DATE	03/15/2007

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
PANAY (IAF)	OBDUW (NOPT) (FB)	206.09 / 5.00	2700	LNAV/VNAV: DA LNAV: RW11 CLIMB TO 2700 DIRECT DIHZE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 296.43 INBOUND. CHART FAS OBST: 963 TREE 461909N/0852900W CHART FAS OBST: 1110 TOWER 461957N/0853051W DISTANCE TO THLD FROM 390 HAT: 1.10 NM.
HETOG (IAF)	OBDUW (NOPT) (FB)	026.03 / 5.00	2700	
OBDUW (IF/IAF)	IYDAY (FB)	116.06 / 6.10	2500	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW OBDUW, RT, 116.06 INBOUND, 2700 FT. IN LIEU OF PT (IAF)
- FAC: 116.16 FAF: IYDAY DIST FAF TO MAP: 4.93 THLD: 4.93
- MIN. ALT: OBDUW 2700, IYDAY 2500, MELRO/2.30 NM TO RW11 1640*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2500 GS ALT AT: IYDAY 2500 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 6W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV/VNAV DA	1259	1 1/2	390	1259	1 1/2	390	1259	1 1/2	390	1259	1 1/2	390			
LNAV MDA	1360	1	491	1360	1	491	1360	1 1/4	491	1360	1 1/2	491			
CIRCLING	1360	1	491	1360	1	491	1360	1 1/2	491	1420	2	551			

NOTES:

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

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

SEE 8260-10

CITY AND STATE NEWBERRY, MI	ELEVATION: 869 TDZE: 869 AIRPORT NAME: LUCE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED

QUALITY
2
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHIPPEWA CO INTL ALTIMETER SETTING AND INCREASE DA 105 FEET AND ALL MDA 120 FEET, INCREASE LNAV/VNAV VISIBILITY 1/4 MILE ALL CATS, LNAV CATS C AND D 1/2 MILE, AND CIRCLING CATS C AND D 1/4 MILE.

CHART NOTE: BARO-VNAV NA WHEN USING CHIPPEWA CO INTL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	026/30 CW 206/30 (NOPT)	OBDUW (IF/IAF) (FB)	2700
2.	206/30 CW 296/30	PANAY (IAF) (FB)	2700
3.	296/30 CW 026/30	HETOG (IAF) (FB)	2700

QUALITY
CHECKED

CITY AND STATE NEWBERRY, MI	ELEVATION: 869 TDZE: 869 AIRPORT NAME: LUCE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KERYK5FR11	AHETOG	010HETOGK5EA0E	A	IF					18000			A JS	
SUSAP KERYK5FR11	AHETOG	020OBDUWK5EA0EE	B	010TF		02600050	+	02700				A JS	
SUSAP KERYK5FR11	AOBDUW	010OBDUWK5EA0EE	AR	HF		11610040	+	02700	18000			A JS	
SUSAP KERYK5FR11	APANAY	010PANAYK5EA0E	A	IF					18000			A JS	
SUSAP KERYK5FR11	APANAY	020OBDUWK5EA0EE	B	010TF		20610050	+	02700				A JS	
SUSAP KERYK5FR11	R	010OBDUWK5EA0E	I	IF				+	02700	18000		A JS	
SUSAP KERYK5FR11	R	020IYDAYK5EA1E	F	051TF		11610061	+	02500				A JS	
SUSAP KERYK5FR11	R	020IYDAYK5EA2WN			ALNAV/VNAV	ALNAV						JS	
SUSAP KERYK5FR11	R	021MELROK5EA0E	S	031TF		11620026	V	0164001647		-300		A JS	
SUSAP KERYK5FR11	R	030RW11 K5PG0GY	M	031TF		11620023		00909		-300		A JS	
SUSAP KERYK5FR11	R	040	0	M 010CA		1162	+	01259				A JS	
SUSAP KERYK5FR11	R	050DIHZEK5EA0EY		010DF				+	02700			A JS	
SUSAP KERYK5FR11	R	060DIHZEK5EA0EE		R020HM		29640040	+	02700				A JS	

QUALITY
4
CHECKED

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

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									
NARPE (IAF)		DIHZE (NOPT) (FB)		206.46 / 5.00		2700	LPV: DA LNAV/VNAV: DA LNAV: RW29								
PIZSU (IAF)		DIHZE (NOPT) (FB)		026.40 / 5.00		2700	CLIMB TO 2700 DIRECT OBDUW AND HOLD.								
DIHZE (IF/IAF)		CUSIR (FB)		296.43 / 6.10		2500	ADDITIONAL FLIGHT DATA: HOLD NW, RT, 116.06 INBOUND. CHART FAS OBST: 999 TREE 461826N/0852742W CHART FAS OBST: 969 TREE 461844N/0852644W DISTANCE TO THLD FROM 250 HAT: 0.71 NM. WAAS CHANNEL # 40418 REFERENCE PATH ID: W29A								
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)															
2. HOLD SE DIHZE, RT, 296.43 INBOUND, 2700 FT. IN LIEU OF PT (IAF)															
3. FAC: 296.33 FAF: CUSIR DIST FAF TO MAP: 4.98 THLD: 4.98															
4. MIN. ALT: DIHZE 2700, CUSIR 2500															
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:															
6. MIN GS INCPT: 2500 GS ALT AT: CUSIR 2500 OM: MM: IM:															
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR															
8. MSA FROM:							MAG VAR: 6W 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	1117	1	250	1117	1	250	1117	1	250	1117	1	250			
LNAV/VNAV DA	1239	1 1/2	372	1239	1 1/2	372	1239	1 1/2	372	1239	1 1/2	372			
LNAV MDA	1260	1	393	1260	1	393	1260	1	393	1260	1 1/4	393			
CIRCLING	1300	1	431	1320	1	451	1320	1 1/2	451	1420	2	551			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. SEE 8260-10															
CITY AND STATE NEWBERRY, MI		ELEVATION: 869 TDZE: 867 AIRPORT NAME: LUCE COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 29 JUL 2010				SUP: AMDT: NONE DATED					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHIPPEWA CO INTL ALTIMETER SETTING AND INCREASE ALL DA 105 FEET AND ALL MDA 120 FEET, INCREASE LPV AND LNAV/VNAV VISIBILITY 1/4 MILE ALL CATS , LNAV CATS C AND D 1/2 MILE, AND CIRCLING CAT D 1/4 MILE.

CHART NOTE: BARO-VNAV NA WHEN USING CHIPPEWA CO INTL ALTIMETER SETTING.

TAA

	FROM	TO	ALT
1.	206/30 CW 026/30 (NOPT)	DIHZE (IF/IAF) (FB)	2700
2.	026/30 CW 116/30	PIZSU (IAF) (FB)	2700
3.	116/30 CW 206/30	NARPE (IAF) (FB)	2700

QUALITY
2
CHECKED

CITY AND STATE
NEWBERRY, MI

ELEVATION: 869 TDZE: 867
AIRPORT NAME:
LUCE COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 29, ORIG
29 JUL 2010

SUP:
AMDT: NONE
DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KERY
RUNWAY	RW29
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	461841.9010N
LTP/FTP LONGITUDE	0852706.6500W
LTP/FTP ELLIPSOIDAL HEIGHT	+02242
FPAP LATITUDE	461912.7100N
FPAP LONGITUDE	0852907.2600W
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	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

1FA96B25

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02594
FPAP ORTHOMETRIC HEIGHT	+02594

QUALITY
2
CHECKED

CITY AND STATE NEWBERRY, MI	ELEVATION: 869 TDZE: 867 AIRPORT NAME: LUCE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KERYK5FR29	ADIHZE	010DIHZEK5EA0EE	AR	HF			29640040	+	02700	18000		A	JS
SUSAP KERYK5FR29	ANARPE	010NARPEK5EA0E	A	IF						18000		A	JS
SUSAP KERYK5FR29	ANARPE	020DIHZEK5EA0EE	B	010TF			20650050	+	02700			A	JS
SUSAP KERYK5FR29	APIZSU	010PIZSUK5EA0E	A	IF						18000		A	JS
SUSAP KERYK5FR29	APIZSU	020DIHZEK5EA0EE	B	010TF			02640050	+	02700			A	JS
SUSAP KERYK5FR29	R	010DIHZEK5EA0E	I	IF				+	02700	18000		A	JS
SUSAP KERYK5FR29	R	020CUSIRK5EA1E	F	051TF			29640061	+	02500			A	JS
SUSAP KERYK5FR29	R	020CUSIRK5EA2WALPV			ALNAV/VNAV	ALNAV							JS
SUSAP KERYK5FR29	R	030RW29 K5PG0GY	M	031TF			29630050		00891	-300		A	JS
SUSAP KERYK5FR29	R	040	0	M	010CA		2963	+	01117			A	JS
SUSAP KERYK5FR29	R	0500BDUWK5EA0EY		010DF					+	02700		A	JS
SUSAP KERYK5FR29	R	0600BDUWK5EA0EE		R020HM			11610040	+	02700			A	JS

[illegible][illegible]

QUALITY
4
CHECKED

CITY AND STATE NEWBERRY, MI	ELEVATION: 869 TDZE: 867 AIRPORT NAME: LUCE COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

QUALITY
A
CHECKED

SUP:	
AMDT:	NONE
DATED:	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.23

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

TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MAP: ERY VOR/DME

CLIMB TO 2700 THEN LEFT TURN DIRECT ERY VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
 HOLD NW, LT, 125.78 INBOUND.
 CHART FAS OBST: 1110 TOWER 461957N/0853051W
 CHART 1115 TOWER 461910N/0853215W
 DENBE TO RW11: 2.81/40.
 FAC CROSSES RWY C/L EXTENDED 3004 FROM THLD.

1. PT R SIDE OF COURSE 305.78 OUTBOUND 2700 FT WITHIN 10 MILES OF ERY VOR/DME (IAF)
 2. _____
 3. FAC 125.78 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT DENBE/ERY VOR/DME 2.50 DME 1580*
 8. MSA FROM: ERY VOR/DME 2700

MAG VAR: 6W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		X						
CATEGORY =====>		A			B			C			D			E				
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA		
S-11		1580	1	711	1580	1	711	1580	2	711	1580	2 1/4	711					
CIRCLING		1580	1	711	1580	1	711	1580	2	711	1580	2 1/4	711					
DENBE FIX MINIMUMS																		
S-11		1360	1	491	1360	1	491	1360	1 1/4	491	1360	1 1/2	491					
CIRCLING		1360	1	491	1360	1	491	1360	1 1/2	491	1420	2	551					

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHIPPEWA CO INTL ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET, INCREASE S-11 AND CIRCLING CAT B VISIBILITY 1/4 MILE, CAT C AND D 1/2 SEE 8260-10

QUALITY
2
CHECKED

CITY AND STATE NEWBERRY, MI	ELEVATION: 869 TDZE: 869	FACILITY IDENTIFIER: ERY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 11, AMDT 12 29 JUL 2010	SUP VOR OR GPS RWY
	AIRPORT NAME: LUCE COUNTY			11
				AMDT 11A
				DATE 11/27/2004

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

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

NOTES CONT.

MILE, DENBE FIX MINIMUMS; INCREASE S-11 CAT C AND D VISIBILITY 1/2 MILE, CIRCLING CAT C AND D 1/4 MILE.

*1700 WHEN USING CHIPPEWA CO INTL ALTIMETER SETTING.

QUALITY
2
CHECKED

CITY AND STATE

NEWBERRY, MI

ELEVATION: 869 TDZE: 869

AIRPORT NAME:

LUCE COUNTY

FACILITY
IDENTIFIER:

ERY

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 11, AMDT 12

29 JUL 2010

SUP: VOR OR GPS RWY
11

AMDT: 11A

DATED: 11/27/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.23

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TERMINAL ROUTES

MISSED APPROACH

FROM	TO	COURSE AND DISTANCE	ALTITUDE

MAP: ERY VOR/DME

CLIMB TO 2500 THEN RIGHT TURN DIRECT ERY VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 289.03 INBOUND.
 CHART FAS OBST: 999 TREE 461826N/0852742W
 DENKY TO RW29: 2.78/35.
 FAC CROSSES RWY C/L EXTENDED 2999 FROM THLD.

1. PT L SIDE OF COURSE 109.03 OUTBOUND 2500 FT WITHIN 10 MILES OF ERY VOR/DME (IAF)
 2. _____
 3. FAC 289.03 FAF _____ DIST FAF TO MAP _____ THLD _____
 4. MIN. ALT DENKY/ERY VOR/DME 2.50 DME 1480*
 8. MSA FROM: ERY VOR/DME 2700

MAG VAR: 6W

EPOCH YEAR: 1995

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A		X				
CATEGORY =====>		A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-29		1480	1	613	1480	1	613	1480	1 3/4	613	1480	2	613			
CIRCLING		1480	1	611	1480	1	611	1480	1 3/4	611	1480	2	611			

DENKY FIX MINIMUMS

S-29	1260	1	393	1260	1	393	1260	1	393	1260	1 1/4	393			
CIRCLING	1300	1	431	1320	1	451	1320	1 1/2	451	1420	2	551			

NOTES:

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CHIPPEWA CO INTL ALTIMETER SETTING AND INCREASE ALL MDA 120 FEET, INCREASE S-29 CAT C AND D VISIBILITY 1/4 MILE, CIRCLING CAT C AND D
 SEE 8260-10

QUALITY
2
CHECKED

CITY AND STATE NEWBERRY, MI	ELEVATION: 869 TDZE: 867	FACILITY IDENTIFIER: ERY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 29, AMDT 12 29 JUL 2010	SUP VOR OR GPS RWY 29
	AIRPORT NAME: LUCE COUNTY			AMDT 11A
				DATE 11/27/2004

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

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

NOTES CONT.

1/4 MILE, DENKY FIX MINIMUMS; INCREASE S-29 CAT C AND D VISIBILITY 1/2 MILE AND CIRCLING CAT D VISIBILITY 1/4 MILE.

*1600 WHEN USING CHIPPEWA CO INTL ALTIMETER SETTING.

QUALITY
2
CHECKED

CITY AND STATE NEWBERRY, MI	ELEVATION: 869 TDZE: 867 AIRPORT NAME: LUCE COUNTY	FACILITY IDENTIFIER: ERY	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 29, AMDT 12 29 JUL 2010	SUP: VOR OR GPS RWY 29 AMDT: 11A DATED: 11/27/2004

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
HUHJO	JEVLO (FB)	016.35 / 7.08	3000	LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 3100 DIRECT PIBBS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 307.15 INBOUND. CHART FAS OBST: 1619 TREE 465639N/0980203W CHART FAS OBST: 1529 TREE 465657N/0980118W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. WAAS CHANNEL # 70618 REFERENCE PATH ID: W13A
JEVLO (IAF)	CISGI (NOPT) (FB)	036.80 / 5.01	3000	
CISGI (IF/IAF)	HIDGA (FB)	126.86 / 6.01	3000	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NW CISGI, RT, 126.86 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 126.94 FAF: HIDGA DIST FAF TO MAP: 4.83 THLD: 4.83
- MIN. ALT: CISGI 3000, HIDGA 3000, SEMJ/2.00 NM TO RW13 2040*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 3000 GS ALT AT: HIDGA 3000 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
- MSA FROM: RW13 3500

MAG VAR: 7E

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	1652	1	250	1652	1	250	1652	1	250		NA				
LNAV/VNAV DA	1889	1 3/4	487	1889	1 3/4	487	1889	1 3/4	487		NA				
LNAV MDA	1880	1	478	1880	1	478	1880	1 1/4	478		NA				
CIRCLING	1920	1	518	2000	1	598	2000	1 1/2	598		NA				

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING JAMESTOWN ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

SEE 8260-10

CITY AND STATE VALLEY CITY, ND	ELEVATION: 1402 TDZE: 1402 AIRPORT NAME: BARNES COUNTY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP: AMD'T: NONE DATED

QUALITY
6
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

***LNAV ONLY**

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JAMESTOWN ALTIMETER SETTING AND INCREASE ALL DA 77 FEET AND ALL MDA 80 FEET, INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/4 MILE, AND INCREASE CIRCLING CAT C VISIBILITY 1/2 MILE.

QUALITY
CHECKED

CITY AND STATE VALLEY CITY, ND	ELEVATION: 1402 TDZE: 1402 AIRPORT NAME: BARNES COUNTY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KBAC
RUNWAY RW13
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W13A
LTP/FTP LATITUDE 465650.6435N
LTP/FTP LONGITUDE 0980120.8650W
LTP/FTP ELLIPSOIDAL HEIGHT +04022
FPAP LATITUDE 465548.7600N
FPAP LONGITUDE 0975947.3500W
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 1472
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

162D8FA8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +04272
FPAP ORTHOMETRIC HEIGHT +04272

4
CHECK

CITY AND STATE VALLEY CITY, ND	ELEVATION: 1402 TDZE: 1402 AIRPORT NAME: BARNES COUNTY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP: AMD'T: NONE DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KBACK3FR13	ACISGI	010CISGIK3EA0EE	AR	HF		12690040		+ 03000	18000		A JS	G
SUSAP	KBACK3FR13	AHUHJO	010HUHJOK3EA0E		IF					18000		A JS	G
SUSAP	KBACK3FR13	AHUHJO	020JEVLOK3EA0E	A	020TF		01640071		+ 03000			A JS	G
SUSAP	KBACK3FR13	AHUHJO	030CISGIK3EA0EE	B	010TF		03680050		+ 03000			A JS	G
SUSAP	KBACK3FR13	R	010CISGIK3EA0E	I	IF				+ 03000	18000		A JS	G
SUSAP	KBACK3FR13	R	020HIDGAK3EA1E	F	051TF		12690060		+ 03000		RW13	K3PGA JS	G
SUSAP	KBACK3FR13	R	020HIDGAK3EA2WALPV			ALNAV/VNAV	ALNAV					JS	G
SUSAP	KBACK3FR13	R	021SEMJIK3EA0E	S	031TF		12690028		V 0204002082		-300	A JS	G
SUSAP	KBACK3FR13	R	030RW13 K3PGOGY	M	031TF		12690020		01442		-300	A JS	G
SUSAP	KBACK3FR13	R	040	0	M 010CA		1269		+ 01652			A JS	G
SUSAP	KBACK3FR13	R	050PIBBSK3EA0EY		010DF				+ 03100			A JS	G
SUSAP	KBACK3FR13	R	060PIBBSK3EA0EE		R020HM		30720040		+ 03100			A JS	G

[illegible]

QUALITY
CHECKED

CITY AND STATE VALLEY CITY, ND	ELEVATION: 1402 TDZE: 1402 AIRPORT NAME: BARNES COUNTY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

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

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

	SUSAP KBACK3PR13	RW13	001	0000W13AON4656506435W09801208650+040220300N4655487600W09759473500106751472000400F400500162D8FA8G									
	SUSAP KBACK3PR13	RW13	002E	+04272+04272LPV	70618								G

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

	SUSAP KBACK3SRW13	K3PG		0	18018003525							M	G

QUALITY
4
CHECKED

CITY AND STATE VALLEY CITY, ND	ELEVATION: 1402 TDZE: 1402 AIRPORT NAME: BARNES COUNTY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	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

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HUHJO	RIPFE (FB)	108.62 / 21.32	3100
CHAFE (IAF)	PIBBS (NOPT) (FB)	263.18 / 17.50	3100
RIPFE (IAF)	PIBBS (NOPT) (FB)	037.09 / 5.01	3100
PIBBS (IF/IAF)	HUMIX (FB)	307.15 / 6.01	3100

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW31

CLIMB TO 3000 DIRECT CISGI AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NW, RT, 126.86 INBOUND.
CHART FAS OBST: 1600 TOWER 465438N/0975838W
DISTANCE TO THLD FROM 250 HAT: 0.69 NM.
WAAS CHANNEL # 65918
REFERENCE PATH ID: W31A

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. HOLD SE PIBBS, RT, 307.15 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
3. FAC: 307.08 FAF: HUMIX DIST FAF TO MAP: 5.19 THLD: 5.19
4. MIN. ALT: PIBBS 3100, HUMIX 3100, LECPU/2.00 NM TO RW31 2040*
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 3100 GS ALT AT: HUMIX 3100 OM: MM: IM:
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR
8. MSA FROM: RW31 3500

MAG VAR: 7E

EPOCH YEAR: 1985

MINIMUMS

TAKEOFF:	☐	STANDARD	☒	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	☒									
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	1644	1	250	1644	1	250	1644	1	250		NA				
LNAV/VNAV DA	1717	1 1/4	323	1717	1 1/4	323	1717	1 1/4	323		NA				
LNAV MDA	1900	1	506	1900	1	506	1900	1 1/2	506		NA				
CIRCLING	1920	1	518	2000	1	598	2000	1 1/2	598		NA				

NOTES:
CHART NOTE: BARO-VNAV NA WHEN USING JAMESTOWN ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

SEE 8260-10

CITY AND STATE VALLEY CITY, ND	ELEVATION: 1402 TDZE: 1394 AIRPORT NAME: BARNES COUNTY MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED

QUALITY
&
CHECKED

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

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NOTES CONT.

CHART PROFILE NOTE: VGSi AND RNAV GLIDEPATH NOT COINCIDENT.

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JAMESTOWN ALTIMETER SETTING AND INCREASE LPV DA 77 FEET AND LNAV/VNAV DA 227 FEET, AND ALL MDA 80 FEET; INCREASE LPV ALL CATS VISIBILITY 1/4 MILE, LNAV/VNAV ALL CATS VISIBILITY 3/4 MILE AND INCREASE CIRCLING CAT C VISIBILITY 1/2 MILE.

QUALITY
A
CHECKED

CITY AND STATE

VALLEY CITY, ND

ELEVATION: 1402 TDZE: 1394

AIRPORT NAME:

BARNES COUNTY MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

29 JUL 2010

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 KBAC
RUNWAY RW31
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W31A
LTP/FTP LATITUDE 465621.8320N
LTP/FTP LONGITUDE 0980037.3135W
LTP/FTP ELLIPSOIDAL HEIGHT +03970
FPAP LATITUDE 465723.7000N
FPAP LONGITUDE 0980210.8600W
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 1472
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

C93476D0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K3
LTP ORTHOMETRIC HEIGHT +04221
FPAP ORTHOMETRIC HEIGHT +04221

CITY AND STATE

VALLEY CITY, ND

ELEVATION: 1402 TDZE: 1394

AIRPORT NAME:

BARNES COUNTY MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBACK3FR31	ACHAFE	010CHAFEK3EA0E	A	IF					18000		A	JS	G
SUSAP KBACK3FR31	ACHAFE	020PIBBSK3EA0EE	B	010TF		26320175	+	03100			A	JS	G
SUSAP KBACK3FR31	AHUHJO	010HUHJOK3EA0E	IF						18000		A	JS	G
SUSAP KBACK3FR31	AHUHJO	020RIPFEK3EA0E	A	020TF		10860213	+	03100			A	JS	G
SUSAP KBACK3FR31	AHUHJO	030PIBBSK3EA0EE	B	010TF		03710050	+	03100			A	JS	G
SUSAP KBACK3FR31	APIBBS	010PIBBSK3EA0EE	AR	HF		30720040	+	03100	18000		A	JS	G
SUSAP KBACK3FR31	R	010PIBBSK3EA0E	I	IF			+	03100	18000		A	JS	G
SUSAP KBACK3FR31	R	020HUMIXK3EA1E	F	051TF		30720060	+	03100		RW31	K3PGA	JS	G
SUSAP KBACK3FR31	R	020HUMIXK3EA2WALPV			ALNAV/VNAV	ALNAV						JS	G
SUSAP KBACK3FR31	R	021LECPUK3EA0E	S	031TF		30710032	V	0204002066		-300	A	JS	G
SUSAP KBACK3FR31	R	030RW31	K3PGOGY	M	031TF	30710020		01425		-300	A	JS	G
SUSAP KBACK3FR31	R	040		M	010CA	3071	+	01644			A	JS	G
SUSAP KBACK3FR31	R	050CISGIK3EA0EY		010DF				03000			A	JS	G
SUSAP KBACK3FR31	R	060CISGIK3EA0EE		R020HM		12690040	+	03000			A	JS	G

[illegible]

QUALITY
4
CHECKED

SUP:	
AMDT:	NONE
DATED:	

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

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

	SUSAP KBACK3PR31	RW31	001	0000W31A0N4656218320W09800373135+039700300N4657237000W09802108600106751472000400F400500C93476D0G									
	SUSAP KBACK3PR31	RW31	002E	+04221+04221LPV	65918								G

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

	SUSAP KBACK3SRW31	K3PG		0	18018003525							M	G

QUALITY
4
CHECKED

CITY AND STATE
VALLEY CITY, ND

ELEVATION: 1402 TDZE: 1394
 AIRPORT NAME:
 BARNES COUNTY MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 31, ORIG
 29 JUL 2010

SUP:
 AMDT: NONE
 DATED:

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 1L/R, 7L/R, 25L STANDARD.

RWY 19L/R, STANDARD WITH A MINIMUM CLIMB OF 210' PER NM TO 2600.

RWY 25R, 300-2 OR STANDARD WITH A MINIMUM CLIMB OF 230' PER NM TO 2600.

(2) TEXTUAL DEPARTURE PROCEDURE:

RWY 1L/R - CLIMBING RIGHT TURN DIRECT BLD VORTAC BEFORE PROCEEDING ON COURSE.

RWY 7L/R - CLIMB HEADING 075 TO 3700, THEN CLIMBING RIGHT TURN DIRECT BLD VORTAC BEFORE PROCEEDING ON COURSE.

RWY 25L/R - CLIMB HEADING 255 TO 2800, THEN CLIMBING RIGHT TURN DIRECT BLD VORTAC BEFORE PROCEEDING ON COURSE.

RWY 19L/R - CLIMBING LEFT TURN VIA HEADING 120 AND BLD R-257 DIRECT BLD VORTAC BEFORE PROCEEDING ON COURSE.

(3) TAKEOFF OBSTACLE NOTES: NOTE: RWY 1L, BUILDING 1508' FROM DER, 463' LEFT OF CENTERLINE, 71' AGL/2146' MSL. POLE 453' FROM DER, 283' LEFT OF CENTERLINE, 38' AGL/2118' MSL. SIGN 1042' FROM DER, 694' LEFT OF CENTERLINE, 35' AGL/2124' MSL. NOTE: RWY 1R, SIGN 1331' FROM DER, 448' RIGHT OF CENTERLINE, 60' AGL/2120' MSL. VENTS 604' FROM DER, 539' RIGHT OF CENTERLINE, UP TO 17' AGL/2095' MSL. NOTE: RWY 7L: TREES 761' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 42' AGL/2074' MSL. POLE 747' FROM DER, 442' RIGHT OF CENTERLINE, 25' AGL/2057' MSL. NOTE: RWY 7R: TOWER 1457' FROM DER, 847' RIGHT OF CENTERLINE, 65' AGL/2096' MSL. NOTE: RWY 19L, MULTIPLE BUILDINGS, TREES AND POLES 1394' FROM DER, 251' RIGHT OF CENTERLINE, UP TO 96' AGL/2284' MSL. SIGN 2181' FROM DER, 1062' RIGHT OF CENTERLINE, 36' AGL/2236' MSL. NOTE: RWY 19R, TREES 1563' FROM DER, 329' LEFT OF CENTERLINE (CONT)

(4) CONTROLLING OBSTACLES:

RWY 25R: 2457 MSL OL ON LT POLE 360406.79N-1151207.87W, 2469 MSL POLE 360404.50N-1151219.33W

RWY 19R: 2494 MSL BUILDING 360225.36N-1151033.61W

RWY 19L: 2500 MSL BUILDING 360220.57N-1151019.50W

OBSTACLES MANDATING ODP ROUTE DEVELOPEMENT: RWY 1L/R - 3189 MSL MONUMENT 360851.00N-1150920.00W

QUALITY
3
CHECKED

(5) City, State LAS VEGAS, NV	(6) Airport MCCARRAN INTL	(7) Effective Date 29 JUL 2010	(8) Amdt. No. 6

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

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

(3) TAKEOFF OBSTACLE NOTES: (CONT) UP TO 55' AGL/ 2236' MSL. MULTIPLE BUILDINGS, SIGNS AND POLES 197' FROM DER, 59' RIGHT OF CENTERLINE, UP TO 75' AGL/2291' MSL. NOTE: RWY 25L, MULTIPLE POLES, SIGN AND BUILDINGS 1003' FROM DER, 145' LEFT OF CENTERLINE, UP TO 97' AGL/2291' MSL. TREE 2837' FROM DER, 1008' LEFT OF CENTERLINE, 72' AGL/2230' MSL. RAILROAD 2564' FROM DER, 773' LEFT OF CENTERLINE, 66' AGL/2223' MSL. NOTE: RWY 25R, MULTIPLE POLES AND TREES 533' FROM DER, 1' LEFT OF CENTERLINE, UP TO 271' AGL/2457' MSL. BUILDING 1822' FROM DER, 652' LEFT OF CENTERLINE, 59' AGL/2238' MSL. ROADS 669' FROM DER, 17' RIGHT OF CENTERLINE, UP TO 29' AGL/2208' MSL.

QUALITY
3
CHECKED

City, State LAS VEGAS, NV		Airport MCCARRAN INTL		Effective Date 29 JUL 2010	Amdt. No. 6
DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
SWR VOR/DME	CEVAP (FO)	040.75 / 29.81	13000	LPV: DA LNAV: RW32
HZN VORTAC	CEVAP (FO)	247.76 / 34.39	9500	
CEVAP (IF/IAF)	AYALU (FB)	317.68 / 4.05	8200	CLIMB TO 14000 DIRECT WIPOM AND ON TRACK 333.04 TO HALLE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 14000.
AYALU	JEBMI (FB)	317.65 / 4.25	7000	
				ADDITIONAL FLIGHT DATA: HOLD SE, RT, 313.71 INBOUND. CHART FAS OBST: 5668 TOWER 393503N/1194759W DISTANCE TO THLD FROM 1488 HAT: 4.55 NM. WAAS CHANNEL # 60920 REFERENCE PATH ID: W32A

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD SE CEVAP, RT, 317.68 INBOUND, 9400 FT. IN LIEU OF PT (IAF)
- FAC: 317.63 FAF: JEBMI DIST FAF TO MAP: 5.92 THLD: 5.92
- MIN. ALT: CEVAP 9400, AYALU 8200, JEBMI 7000
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 7000 GS ALT AT: JEBMI 7000 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 40.3 34:1 IS CLEAR
- MSA FROM: RW32 12000

MAG VAR: 16E

EPOCH YEAR: 2000

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	6533	6	1488	6533	6	1488	6533	6	1488	6533	6	1488			
LNAV MDA	6840	1 1/4	1795	6840	1 1/2	1795	6840	3	1795	6840	3	1795			
CIRCLING	6840	1 1/4	1790	6840	1 1/2	1790	6840	3	1790	6840	3	1790			

NOTES:
CHART NOTE: WHEN VGSI INOP, CIRCLING RWY 8 NA AT NIGHT.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE RENO/TAHOE INTL ALTIMETER SETTING AND INCREASE ALL DA 115 FEET AND ALL MDA 120 FEET.
SEE 8260-10

CITY AND STATE RENO, NV	ELEVATION: 5050 TDZE: 5045 AIRPORT NAME: RENO/STEAD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 29 JUL 2010	SUP: AMDT: ORIG DATED 09/01/2005

QUALITY
2
CHECKED

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

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

NOTES CONT.**CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY****CHART NOTE: PROCEDURE NA FOR ARRIVAL ON HZN VORTAC AIRWAY RADIALS 227 CW 255****CHART NOTE: PROCEDURE NA FOR ARRIVAL ON SWR VOR/DME AIRWAY RADIALS 037 CW 062**

QUALITY
2
CHECKED

CITY AND STATE

RENO, NV

ELEVATION: 5050 TDZE: 5045

AIRPORT NAME:

RENO/STEAD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 32, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 09/01/2005

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRTS
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	393951.1560N
LTP/FTP LONGITUDE	1195209.3740W
LTP/FTP ELLIPSOIDAL HEIGHT	+15139
FPAP LATITUDE	394100.6400N
FPAP LONGITUDE	1195254.0300W
THRESHOLD CROSSING HEIGHT (TCH)	00040.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	104.75
LENGTH OFFSET	0016
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

6D03E054

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+15377
FPAP ORTHOMETRIC HEIGHT	+15377

QUALITY
2
CHECKED

CITY AND STATE RENO, NV	ELEVATION: 5050 TDZE: 5045	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 29 JUL 2010	SUP:
	AIRPORT NAME: RENO/STEAD			AMDT: ORIG
				DATED: 09/01/2005

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KRTSK2FR32	AHZN	010HZN	K2D 0V	IF					18000		A JS	
SUSAP	KRTSK2FR32	AHZN	020CEVAPK2EA0EY	020TF			24780344	+ 09500				A JS	
SUSAP	KRTSK2FR32	AHZN	030CEVAPK2EA0EE	AR HF			31770070	+ 09400				A JS	
SUSAP	KRTSK2FR32	ASWR	010SWR	K2D 0V	IF					18000		A JS	
SUSAP	KRTSK2FR32	ASWR	020CEVAPK2EA0EY	020TF			04080298	+ 13000				A JS	
SUSAP	KRTSK2FR32	ASWR	030CEVAPK2EA0EE	AR HF			31770070	+ 09400				A JS	
SUSAP	KRTSK2FR32	R	010CEVAPK2EA0E	I IF				+ 09400		18000		A JS	
SUSAP	KRTSK2FR32	R	011AYALUK2EA0E	S 051TF			31770041	+ 08200				A JS	
SUSAP	KRTSK2FR32	R	020JEBMIK2EA1E	F 051TF			31770043	+ 07000			RW32	K2PGA JS	
SUSAP	KRTSK2FR32	R	020JEBMIK2EA2WALPV		N	ALNAV						JS	
SUSAP	KRTSK2FR32	R	030RW32	K2PG0GY M 031TF			31760059	05085		-300		A JS	
SUSAP	KRTSK2FR32	R	040	0 M 010CA			3176	+ 05450				A JS	
SUSAP	KRTSK2FR32	R	050WIPOMK2EA0E	010DF								A JS	
SUSAP	KRTSK2FR32	R	060HALLEK2EA0EY	010TF			3330	+ 14000				A JS	
SUSAP	KRTSK2FR32	R	070HALLEK2EA0EE	R020HM			31370070	+ 14000				A JS	

QUALITY
4
CHECKED

CITY AND STATE RENO, NV	ELEVATION: 5050 TDZE: 5045 AIRPORT NAME: RENO/STEAD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 09/01/2005

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

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

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KRTSK2GRW32	0090003176 N39395116W119520937+0000 +1513905045120040150I												

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KRTSK2PR32	RW32 001 0000W32A0N3939511560W11952093740+151390300N3941006400W11952540300104750016000403F4005006D03E054												
SUSAP KRTSK2PR32	RW32 002E +15377+15377LPV 60920												

	1	2	3	4	5	6	7	8	9	0	1	2	3
MSA	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP KRTSK2SRW32 K2PG	0 18018012025 M												

QUALITY
CHECKED

CITY AND STATE RENO, NV	ELEVATION: 5050 TDZE: 5045 AIRPORT NAME: RENO/STEAD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 1 29 JUL 2010	SUP:
				AMDT: ORIG
				DATED: 09/01/2005

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	
RKA VOR/DME	CLUCH (FB)	349.39 / 14.01	3700	LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 4000 DIRECT HOTOM AND ON TRACK 319.98 TO DINNO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 319.98 INBOUND. CHART FAS OBST: 1699 TREE 424655N/0753253W CHART FAS OBST: 1609 TREE 424843N/0753150W DISTANCE TO THLD FROM 257 HAT: 0.68 NM. WAAS CHANNEL # 70518 REFERENCE PATH ID: W35A
GGT VORTAC	DOUNS (FB)	141.96 / 15.34	3800	
CLUCH (IAF)	TRINT (FB)	260.07 / 5.00	3500	
DOUNS (IAF)	TRINT (FB)	077.93 / 5.00	3500	
TRINT (IF)	ACAFO (FB)	349.85 / 6.26	3000	

1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
2. **PROFILE STARTS AT TRINT**
3. FAC: 349.81 FAF: ACAFO DIST FAF TO MAP: 5.51 THLD: 5.51
4. MIN. ALT: TRINT 3500, ACAFO 3000
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
6. MIN GS INCPT: 3000 GS ALT AT: ACAFO 3000 OM: MM: IM:
7. GS ANGLE: 3.08 TCH: 50.0 34:1 IS NOT CLEAR
8. MSA FROM: RW35 3700

MAG VAR: 11W

EPOCH YEAR: 1980

MINIMUMS

TAKEOFF: ☐	STANDARD ☒	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	1392	1	257	1392	1	257	1392	1	257		NA				
LNAV/VNAV DA	2114	4	979	2114	4	979	2114	4	979		NA				
LNAV MDA	1960	1	825	1960	1 1/4	825	1960	1 1/2	825		NA				
CIRCLING	2040	1 1/4	903	2040	1 1/4	903	2120	3	983		NA				

NOTES:
 CHART NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT.
 CHART NOTE: BARO-VNAV NA WHEN USING SYRACUSE 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

CITY AND STATE HAMILTON, NY	ELEVATION: 1137 TDZE: 1135 AIRPORT NAME: HAMILTON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED

QUALITY
&
CHECKED

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

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

NOTES CONT.**CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.****CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED; USE SYRACUSE ALTIMETER SETTING AND INCREASE****LPV DA TO 1640, INCREASE LNAV/VNAV DA TO 2281 AND ALL MDA 180 FEET. INCREASE LPV VISIBILITY ALL****CATS 3/4 MILE, LNAV CATS A AND B 1/4 MILE, CAT C 1/2 MILE AND CIRCLING CAT B VISIBILITY 1/4 MILE.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GGT VORTAC ON AIRWAY RADIAL 104 CW 180.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RKA VOR/DME ON V433-483 SOUTHEAST BOUND.**

QUALITY
4
CHECKED

CITY AND STATE

HAMILTON, NY**ELEVATION: 1137 TDZE: 1135**

AIRPORT NAME:

HAMILTON MUNIFACILITY
IDENTIFIER:**RNAV**

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 35, ORIG**29 JUL 2010**

SUP:

AMDT: **NONE**

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KVGC
RUNWAY RW35
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W35A
LTP/FTP LATITUDE 425011.9185N
LTP/FTP LONGITUDE 0753327.4090W
LTP/FTP ELLIPSOIDAL HEIGHT +03096
FPAP LATITUDE 425135.0000N
FPAP LONGITUDE 0753411.2600W
THRESHOLD CROSSING HEIGHT (TCH) 00050.0
TCH UNITS SELECTOR (METERS OR FEET USED) F
GLIDEPATH ANGLE (GPA) 03.08
COURSE WIDTH AT THRESHOLD 106.75
LENGTH OFFSET 1128
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

4CBC9D2A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K6
LTP ORTHOMETRIC HEIGHT +03416
FPAP ORTHOMETRIC HEIGHT +03416

QUALITY
4
CHECKED

CITY AND STATE HAMILTON, NY	ELEVATION: 1137 TDZE: 1135 AIRPORT NAME: HAMILTON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KVGCK6FR35	AGGT	010GGT	K6D 0V	IF					18000			A JS	
SUSAP KVGCK6FR35	AGGT	020DOUNSK6EA0E	A 020TF			14200153	+ 03800					A JS	
SUSAP KVGCK6FR35	AGGT	030TRINTK6EA0EE	B 010TF			07790050	+ 03500					A JS	
SUSAP KVGCK6FR35	ARKA	010RKA	K6D 0V	IF					18000			A JS	
SUSAP KVGCK6FR35	ARKA	020CLUCHK6EA0E	A 020TF			34940140	+ 03700					A JS	
SUSAP KVGCK6FR35	ARKA	030TRINTK6EA0EE	B 010TF			26010050	+ 03500					A JS	
SUSAP KVGCK6FR35	R	010TRINTK6EA0E	I IF				+ 03500		18000			A JS	
SUSAP KVGCK6FR35	R	020ACAFOK6EA1E	F 051TF			34990063	+ 03000				RW35	K6PGA	JS
SUSAP KVGCK6FR35	R	020ACAFOK6EA2WALPV		ALNAV/VNAV	ALNAV								JS
SUSAP KVGCK6FR35	R	030RW35	K6PG0GY M	031TF		34980055	01171		-308			A JS	
SUSAP KVGCK6FR35	R	040	0 M	010CA		3498	+ 01392					A JS	
SUSAP KVGCK6FR35	R	050HOTOMK6EA0E	010DF									A JS	
SUSAP KVGCK6FR35	R	060DINNOK6EA0EY	010TF			3200	+ 04000					A JS	
SUSAP KVGCK6FR35	R	070DINNOK6EA0EE	R020HM			32000040	+ 04000					A JS	

QUALITY
A
CHECKER

CITY AND STATE HAMILTON, NY	ELEVATION: 1137 TDZE: 1135 AIRPORT NAME: HAMILTON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

QUALITY
A
CHECKED

CITY AND STATE HAMILTON, NY	ELEVATION: 1137 TDZE: 1135 AIRPORT NAME: HAMILTON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP:	
				AMDT:	NONE
				DATED:	

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		ILS - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.29		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ILS: DA LOC: 4.39 MILES AFTER VRNAH LOM/ITH 5.65 DME OR AT TUDVE/ITH 1.26 DME FIX CLIMB TO 2600 THEN CLIMBING RIGHT TURN TO 3400 DIRECT ITH VOR/DME AND HOLD . ALTERNATE MISSED APPROACH: CLIMB TO 2600 THEN CLIMBING RIGHT TURN TO 3400 DIRECT VRNAH LOM AND HOLD (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD NW, LT, 135.00 INBOUND. CHART FAS OBST: 1776 TREE 422657N/0762254W CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE VRNAH LOM, RT, 324.52 INBOUND.											
ITH VOR/DME	VRNAH LOM/ITH 5.65 DME	143.60 / 5.65	3600												
CORTA INT	VRNAH LOM/ITH 5.65 DME	233.39 / 19.52	3800												
CFB VORTAC (IAF)	OCCIE INT (NOPT)	353.00 / 9.95 (ITH LR-146)	3400												
OCCIE INT (IF)	VRNAH LOM/ITH 5.65 DME	324.52 / 10.06 (I-ITH)	3000												
1. PT <u>L</u> SIDE OF COURSE <u>144.52</u> OUTBOUND <u>3400</u> FT WITHIN <u>10</u> MILES OF <u>VRNAH LOM</u> (IAF) 2. _____ 3. FAC: <u>324.52</u> FAF: <u>VRNAH LOM/ITH 5.65 DME</u> DIST FAF TO MAP: <u>4.39</u> THLD: <u>4.89</u> 4. MIN. ALT: <u>VRNAH LOM/ITH 5.65 DME 3000</u> 5. DIST TO THLD FROM OM: <u>4.89</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1076</u> 6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>GS INTCP</u> OM: <u>2837</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.20</u> TCH: <u>53.9</u> 8. MSA FROM: <u>IT LOM 3700</u>				MAG VAR: <u>12W</u> EPOCH YEAR: <u>1985</u>											
MINIMUMS															
TAKEOFF: ☐ STANDARD ☒ SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: <u>N A</u> ILS: # _____ LOC: <u>STANDARD @</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 32	1349	4000	250	1349	4000	250	1349	4000	250	1349	4000	250			
S-LOC 32	2040	4000	941	2040	4000	941	2040	2 1/4	941	2040	2 1/2	941			
CIRCLING	2040	1 1/4	941	2040	1 1/4	941	2040	2 3/4	941	2040	3	941			
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 32. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE ELMIRA ALTIMETER SETTING AND INCREASE ALL DA 84 FEET AND ALL MDA 100 FEET AND INCREASE S-LOC CAT B VISIBILITY TO RVR 5000 AND INCREASE SEE 8260-10 # CAT A, B 1000-2, CAT C 1000-2 3/4, CAT D 1000-3 @ CAT A 1000-2 # @ NA WHEN CONTROL TOWER CLOSED. # @ NA WHEN LOCAL WEATHER NOT AVAILABLE.															
CITY AND STATE ITHACA, NY		ELEVATION: 1099 TDZE: 1099 AIRPORT NAME: ITHACA TOMPKINS REGIONAL		FACILITY IDENTIFIER: I-ITH		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 32, AMDT 6 29 JUL 2010				SUP: AMDT: 5B DATED 10/23/2008					

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.

S-LOC CAT C AND CIRCLING CATS B AND C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CFB VORTAC AIRWAY RADIALS 310 CW 015 AND VIA V374 NORTHWEST BOUND.

QUALITY
CHECKED

CITY AND STATE

ITHACA, NY

ELEVATION: 1099 TDZE: 1099

AIRPORT NAME:

ITHACA TOMPKINS REGIONAL

FACILITY
IDENTIFIER:

I-ITH

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 32, AMDT 6

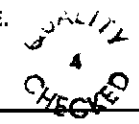
29 JUL 2010

SUP:

AMDT: 5B

DATED: 10/23/2008

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV: RW32 CLIMB TO 3700 DIRECT STATN AND ON TRACK 282.19 TO VAFKU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 050.65 INBOUND. CHART FAS OBST: 2139 TOWER 422754N/0762223W DISTANCE TO THLD FROM 286 HAT: 0.68 NM. CHART VDP AT 3.38 MILES TO RW32* LNAV ONLY. WAAS CHANNEL # 62815 REFERENCE PATH ID: W32A						
CFB VORTAC (IAF)		OCCIE (FB)		355.00 / 9.95				3400								
OCCIE (IF)		CONUL (FB)		324.69 / 9.59				3000								
CONUL (FAF)		RW32 (FO)		324.58 / 5.36												
RW32 (MAP)		1385 MSL (CA)		324.58												
1385 MSL		STATN (FB)		282.19 / 7.67				3700								
STATN		VAFKU (FO)														
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 OCCIE 3. FAC: <u>324.58</u> FAF: <u>CONUL</u> DIST FAF TO MAP: <u>5.36</u> THLD: <u>5.36</u> 4. MIN. ALT: <u>OCCIE 3400, CONUL 3000</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>3000</u> GS ALT AT: <u>CONUL 3000</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.20</u> TCH: <u>53.9</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW32 3700</u>										MAG VAR: 12W EPOCH YEAR: 1985						
MINIMUMS																
TAKEOFF: <u> </u>		STANDARD ☒		X		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: <u>NA</u>		@ <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	
LPV DA	1385	4000	286	1385	4000	286	1385	4000	286	1385	4000	286				
LNAV MDA	2300	6000	1201	2300	6000	1201	2300	2 1/2	1201	2300	2 1/2	1201				
CIRCLING	2300	1 1/4	1201	2300	1 1/2	1201	2300	3	1201	2300	3	1201				
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV CAT A. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ELMIRA ALTIMETER SETTING AND INCREASE SEE 8260-10																
CITY AND STATE ITHACA, NY				ELEVATION: 1099 TDZE: 1099 AIRPORT NAME: ITHACA TOMPKINS RGNL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 29 JUL 2010				SUP: AMDT: NONE DATED		



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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NOTES CONT.

ALL DA 84 FEET AND ALL MDA 100 FEET.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CFB VORTAC AIRWAY RADIALS 310 CW 015.

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

CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING ELMIRA ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 6000, AND INCREASE LNAV CAT B VISIBILITY TO 1 1/2.

QUALITY
4
CHECKED

CITY AND STATE ITHACA, NY	ELEVATION: 1099 TDZE: 1099 AIRPORT NAME: ITHACA TOMPKINS RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 29 JUL 2010	SUP: AMDT: NONE DATED:

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

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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
KITH
RW32
0
0
W32A
422905.6285N
0762657.9555W
+03019
422952.1900N
0762806.5900W
00053.9
F
03.20
106.50
0000
40.0
50.0

CRC REMAINDER

F72FC7EF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE
LTP ORTHOMETRIC HEIGHT
FPAP ORTHOMETRIC HEIGHT

K6
+03350
+03350

QUALITY
4
9/2/2010

CITY AND STATE ITHACA, NY	ELEVATION: 1099 TDZE: 1099 AIRPORT NAME: ITHACA TOMPKINS RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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[illegible]

QUALITY
A
CHECK

CITY AND STATE ITHACA, NY	ELEVATION: 1099 TDZE: 1099 AIRPORT NAME: ITHACA TOMPKINS RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 29 JUL 2010	SUP:
				AMDT: - NONE
				DATED:

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

QUALITY
4
CHECKED

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	
UYOPI (IAF)	JISOD (NOPT) (FB)	083.89 / 5.00	3000	LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 3000 DIRECT FAVAN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 173.94 INBOUND. CHART FAS OBST: 1196 SPIRE 352009N/0965548W CHART FAS OBST: 1269 TOWER 351938N/0965544W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. WAAS CHANNEL # 72818 REFERENCE PATH ID: W35A
CARIJ (IAF)	JISOD (NOPT) (FB)	264.01 / 5.00	3000	
JISOD (IF/IAF)	BIGOH (FB)	353.95 / 6.10	2800	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S JISOD, RT, 353.95 INBOUND, 3000 FT. IN LIEU OF PT (IAF)
- FAC: 353.95 FAF: BIGOH DIST FAF TO MAP: 5.22 THLD: 5.22
- MIN. ALT: JISOD 3000, BIGOH 2800, IVICE/2.10 NM TO RW35 1780*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: 2800 GS ALT AT: BIGOH 2800 OM: MM: IM:
- GS ANGLE: 3.00 TCH: 47.0 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 6E

EPOCH YEAR: 2000

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	1317	1	250	1317	1	250	1317	1	250		NA				
LNAV/VNAV DA	1565	1 3/4	498	1565	1 3/4	498	1565	1 3/4	498		NA				
LNAV MDA	1520	1	453	1520	1	453	1520	1 1/4	453		NA				
CIRCLING	1600	1	527	1600	1	527	1600	1 1/2	527		NA				

NOTES:
 CHART NOTE: BARO-VNAV NA WHEN USING SEMINOLE ALTIMETER SETTING.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F).
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE	ELEVATION: 1073 TOZE: 1067	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
SHAWNEE, OK	AIRPORT NAME: SHAWNEE RGNL		RNAV (GPS) RWY 35, ORIG 29 JUL 2010	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 NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SEMINOLE ALTIMETER SETTING AND INCREASE ALL DA/MDA 40 FEET. INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	264/30 CW 084/30 (NOPT)	JISOD (IF/IAF) (FB)	3000
2.	084/30 CW 174/30	UYOPI (IAF) (FB)	3100
3.	174/30 CW 264/30	CARIJ (IAF) (FB)	3000

QUALITY
&
CHECKED

CITY AND STATE SHAWNEE, OK	ELEVATION: 1073 TDZE: 1067 AIRPORT NAME: SHAWNEE RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible]

SECRET

CITY AND STATE SHAWNEE, OK	ELEVATION: 1073 TDZE: 1067 AIRPORT NAME: SHAWNEE RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP:	
				AMDT:	NONE
				DATED:	

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

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

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
	CARIJ	CARIJ	010	IAF	IF						
	CARIJ	JISOD	020	IF	TF		FB	1.0	264.0 (270.0T)	005.0	03000
	JISOD	JISOD	010	IAF	HF	R	FO		354.0 (360.0T)	004.0	03000
	UYOPI	UYOPI	010	IAF	IF						
	UYOPI	JISOD	020	IF	TF		FB	1.0	083.9 (089.9T)	005.0	03000
		JISOD	010	FACF	IF						03000
		BIGOH	020	FAF	TF		FB	0.5	354.0 (360.0T)	006.1	02800
		IVICE	021	SDF	TF		FB	0.3	354.0 (360.0T)	003.1	0178001786
		RW35	030	MAP	TF		FO	0.3	354.0 (360.0T)	002.1	01113

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE
		040		CA			1.0	354.0 (360.0T)		01317
	FAVAN	050		DF		FO	1.0			03000
	FAVAN	060		HM	R	FO	2.0	173.9 (179.9T)	004.0	03000

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	BIGOH	N351545.81	W0965633.85	N3515.780	W09656.564
	CARIJ	N350940.50	W0965027.57	N3509.675	W09650.460
	FAVAN	N353307.81	W0965635.10	N3533.130	W09656.585
	IVICE	N351854.46	W0965634.05	N3518.908	W09656.568
	JISOD	N350940.39	W0965633.46	N3509.673	W09656.558
	UYOPI	N350939.97	W0970239.35	N3509.666	W09702.656
	RW35	N352100.66	W0965634.18	N3521.011	W09656.570

RUNWAY DATA	THRESHOLD	
	RWY	ELEVATION
	RW35	01066
		47

CITY AND STATE SHAWNEE, OK	ELEVATION: 1073 TDZE: 1067	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: SHAWNEE RGNL			AMDT: NONE
				DATED:

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

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TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
CATAV (IAF)	FATSU (NOPT) (FB)	255.43 / 5.00	2200	LPV: DA LNAV/VNAV: DA LNAV: RW17
ENANE (IAF)	FATSU (NOPT) (FB)	075.33 / 5.00	2200	CLIMB TO 2100 DIRECT CULPA AND HOLD.
FATSU (IF/IAF)	HIKEL (FB)	165.38 / 6.51	1900	
				ADDITIONAL FLIGHT DATA: HOLD S, RT, 345.46 INBOUND. CHART FAS OBST: 409 TREE 331824N/0812455W CHART FAS OBST: 335 TREE 331621N/0812314W CHART 811 TOWER 332021N/0812335W. DISTANCE TO THLD FROM 230 HAT: 0.59 NM. CHART VDP AT 1.29 MILES TO RW17* *LNAV ONLY. WAAS CHANNEL # 90418 REFERENCE PATH ID: W17A
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N FATSU, RT, 165.38 INBOUND, 2200 FT. IN LIEU OF PT (IAF) 3. FAC: <u>165.40</u> FAF: <u>HIKEL</u> DIST FAF TO MAP: <u>4.99</u> THLD: <u>4.99</u> 4. MIN. ALT: <u>FATSU 2200, HIKEL 1900, LODSE/2.60 NM TO RW17 1100*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1900</u> GS ALT AT: <u>HIKEL 1900</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>52.0</u> 34:1 IS CLEAR 8. MSA FROM: _____				
				MAG VAR: 5W EPOCH YEAR: 1990

[illegible]

NOTES:
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LNAV/VNAV ALL CATS, AND LNAV CAT C.
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.
*LNAV ONLY
SEE 8260-10

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE BARNWELL, SC	ELEVATION: 246 TDZE: 246 AIRPORT NAME: BARNWELL RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2 29 JUL 2010	SUP: AMDT: 1 DATED 12/22/2005

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

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NOTES CONT.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUGUSTA REGIONAL AT BUSH FIELD ALTIMETER SETTING AND INCREASE ALL DA 83 FEET AND ALL MDA 100 FEET AND INCREASE LPV, LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY 1/4 MILE, INCREASE CIRCLING CAT D VISIBILITY 1/4 MILE.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING AUGUSTA REGIONAL AT BUSH FIELD ALTIMETER SETTING.
CHART NOTE: CIRCLING NA TO RWY 05/23 AT NIGHT.

TAA

	FROM	TO	ALT
1.	075/30 CW 138/30 (NOPT)	075/16 CW 138/16	3000
2.	075/16 CW 138/16	FATSU (IF/IAF) (FB)	2200
	138/30 CW 255/30 (NOPT)	FATSU (IF/IAF) (FB)	2200
3.	255/30 CW 345/30	CATAV (IAF) (FB)	2200
4.	345/30 CW 075/30	ENANE (IAF) (FB)	2200

CITY AND STATE

BARNWELL, SC

ELEVATION: 246 TDZE: 246

AIRPORT NAME:

BARNWELL RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, AMDT 2

29 JUL 2010

SUP:

AMDT: 1

DATED: 12/22/2005

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

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FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBNL
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	331552.3935N
LTP/FTP LONGITUDE	0812313.8080W
LTP/FTP ELLIPSOIDAL HEIGHT	+00413
FPAP LATITUDE	331428.2800N
FPAP LONGITUDE	0812238.2100W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
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

1092A23F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00721
FPAP ORTHOMETRIC HEIGHT	+00721

CITY AND STATE

BARNWELL, SC

ELEVATION: 246 TDZE: 246

AIRPORT NAME:

BARNWELL RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, AMDT 2

29 JUL 2010

SUP:

AMDT:

1

DATED:

12/22/2005

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

[illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KBNLK7FR17	ACATAV	010CATAVK7EA0E	A	IF						18000		A JS	
SUSAP KBNLK7FR17	ACATAV	020FATSUK7EA0EE	B	010TF		25540050		+	02200			A JS	
SUSAP KBNLK7FR17	AENANE	010ENANEK7EA0E	A	IF						18000		A JS	
SUSAP KBNLK7FR17	AENANE	020FATSUK7EA0EE	B	010TF		07530050		+	02200			A JS	
SUSAP KBNLK7FR17	AFATSU	010FATSUK7EA0EE	AR	HF		16540040		+	02200	18000		A JS	
SUSAP KBNLK7FR17	R	010FATSUK7EA0E	I	IF				+	02200	18000		A JS	
SUSAP KBNLK7FR17	R	020HIKELK7EA1E	F	051TF		16540065		+	01900			A JS	
SUSAP KBNLK7FR17	R	020HIKELK7EA2WALPV			ALNAV/VNAV	ALNAV						JS	
SUSAP KBNLK7FR17	R	021LODSEK7EA0E	S	031TF		16540024		V	0110001123		-300	A JS	
SUSAP KBNLK7FR17	R	030RW17	K7PGOGY	M	031TF	16540026			00289		-300	A JS	
SUSAP KBNLK7FR17	R	040		0	M	010CA	1654		+	00476		A JS	
SUSAP KBNLK7FR17	R	050CULPAK7EA0EY		010DF					+	02100		A JS	
SUSAP KBNLK7FR17	R	060CULPAK7EA0EE		R020HM		34550040			+	02100		A JS	

QUALITY
CHECKED

CITY AND STATE BARNWELL, SC	ELEVATION: 246 TDZE: 246 AIRPORT NAME: BARNWELL RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2 29 JUL 2010	SUP:
				AMDT: 1
				DATED: 12/22/2005

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

[illegible]

QUALITY
A
SPECTRUM

CITY AND STATE BARNWELL, SC	ELEVATION: 246 TDZE: 246 AIRPORT NAME: BARNWELL RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 2 29 JUL 2010	SUP:
				AMDT: 1
				DATED: 12/22/2005

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.											
US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION															
TERMINAL ROUTES								MISSED APPROACH							
FROM	TO	COURSE AND DISTANCE			ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 2100 DIRECT CIRCUIT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 306.51 INBOUND. CHART FAS OBST: 749 T-L TWR 302434N/0973511W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.26 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 63116 REFERENCE PATH ID: W13A									
DARTE	CUSAT (FB)	220.69 / 15.48			3000										
CUSAT (IAF)	FESIS (FB)	216.38 / 5.00			2500										
FESIS (IF)	IKOXE (FB)	126.35 / 6.10			2200										
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 FESIS 3. FAC: <u>126.40</u> FAF: <u>IKOXE</u> DIST FAF TO MAP: <u>4.78</u> THLD: <u>4.78</u> 4. MIN. ALT: <u>FESIS 2500, IKOXE 2200, JIDKI/2.30 NM TO RW13 1380*</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>2200</u> GS ALT AT: <u>IKOXE 2200</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>RW13 3100</u>						MAG VAR: 5E		EPOCH YEAR: 2010							
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N/A		STANDARD @						
CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	870	1	250	870	1	250	870	1	250	870	1	250			
LNAV/VNAV DA	1090	1 3/4	470	1090	1 3/4	470	1090	1 3/4	470	1090	1 3/4	470			
LNAV MDA	1060	1	440	1060	1	440	1060	1 1/4	440	1060	1 1/2	440			
CIRCLING	1100	1	480	1100	1	480	1100	1 1/2	480	1180	2	560			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING AUSTIN-BERGSTROM INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. SEE 8260-10															
CITY AND STATE		ELEVATION: 620 TDZE: 620		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
AUSTIN, TX		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 13, ORIG				AMDT: NONE					
		AUSTIN EXECUTIVE				29 JUL 2010				DATED					

 QUALITY
2
CHECKED

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

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

NOTES CONT.***LNAV ONLY****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DARTO ON V17 NORTH BOUND.****CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUSTIN-BERGSTROM INTL ALTIMETER SETTING AND INCREASE ALL DA 42 FEET; INCREASE ALL MDA 60 FEET.****CHART NOTE: VDP NA WITH AUSTIN-BERGSTROM INTL ALTIMETER SETTING.****CHART NOTE: CIRCLING NA TO RWY 16/34.**

QUALITY
2
CHECKED

CITY AND STATE

AUSTIN, TX

ELEVATION: 620

TDZE: 620

AIRPORT NAME:

AUSTIN EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG
29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE 0
SBAS SERVICE PROVIDER IDENTIFIER 0
AIRPORT IDENTIFIER KEDC
RUNWAY RW13
APPROACH PERFORMANCE DESIGNATOR 0
ROUTE INDICATOR
REFERENCE PATH DATA SELECTOR 0
REFERENCE PATH IDENTIFIER (APPROACH ID) W13A
LTP/FTP LATITUDE 302409.0600N
LTP/FTP LONGITUDE 0973419.3100W
LTP/FTP ELLIPSOIDAL HEIGHT +01626
FPAP LATITUDE 302309.9600N
FPAP LONGITUDE 0973302.0700W
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 1096
HORIZONTAL ALERT LIMIT (HAL) 40.0
VERTICAL ALERT LIMIT (VAL) 50.0

CRC REMAINDER

64B0F54D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE K4
LTP ORTHOMETRIC HEIGHT +01886
FPAP ORTHOMETRIC HEIGHT +01886

QUALITY
2
CHECKED

CITY AND STATE AUSTIN, TX	ELEVATION: 620 TDZE: 620 AIRPORT NAME: AUSTIN EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KEDCK4FR13	ADARTE	010	DARTEK4EA0E	IF						18000		A JS	
SUSAP KEDCK4FR13	ADARTE	020	CUSATK4EA0E	A 020TF		22070155	+	03000				A JS	
SUSAP KEDCK4FR13	ADARTE	030	FESISK4EA0EE	B 010TF		21640050	+	02500				A JS	
SUSAP KEDCK4FR13	R	010	FESISK4EA0E	I IF			+	02500		18000		A JS	
SUSAP KEDCK4FR13	R	020	IKOXEK4EA1E	F 051TF		12640061	+	02200			RW13	K4PGA	JS
SUSAP KEDCK4FR13	R	020	IKOXEK4EA2WALPV		ALNAV/VNAV	ALNAV							JS
SUSAP KEDCK4FR13	R	021	JIDIKI4EA0E	S 031TF		12640025	V	0138001396		-300		A JS	
SUSAP KEDCK4FR13	R	030	RW13 K4PGOGY	M 031TF		12640023		00659		-300		A JS	
SUSAP KEDCK4FR13	R	040		M 010CA		1264	+	00870				A JS	
SUSAP KEDCK4FR13	R	050	CIRMU4EA0EY	010DF			+	02100				A JS	
SUSAP KEDCK4FR13	R	060	CIRMU4EA0EE	R020HM		30650040	+	02100				A JS	

[illegible][illegible]

QUALITY
7
CHECKED

CITY AND STATE AUSTIN, TX	ELEVATION: 620 TDZE: 620 AIRPORT NAME: AUSTIN EXECUTIVE	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 29 JUL 2010	SUP:
				AMDT: NONE
				DATED:

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

[illegible]

SUP:	
AMDT:	NONE
DATED:	

QUALITY
7
CHECKED

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES				MISSED APPROACH											
FROM	TO	COURSE AND DISTANCE	ALTITUDE	LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 3500 DIRECT GUKWI AND VIA TRACK 019.68 TO DARTE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.00 INBOUND. CHART FAS OBST: 639 TREE 302355N/0973308W DISTANCE TO THLD FROM 200 HAT: 0.55 NM. CHART VDP AT 0.83 MILES TO RW31* *LNAV ONLY. WAAS CHANNEL # 45916 REFERENCE PATH ID: W31A											
SCOLL	EFVEP (FB)	223.86 / 9.48	2200												
EFVEP (IAF)	CIRMU (FB)	216.54 / 5.00	2100												
CIRMU (IF)	HIDSU (FB)	306.51 / 6.10	2000												
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF) 2. PROFILE STARTS AT CIRMU 3. FAC: 306.46 FAF: HIDSU DIST FAF TO MAP: 4.23 THLD: 4.23 4. MIN. ALT: CIRMU 2100, HIDSU 2000, FESEP/1.60 NM TO RW31 1140* 5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT: 6. MIN GS INCPT: 2000 GS ALT AT: HIDSU 2000 OM: MM: IM: 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW31 3100				MAG VAR: 5E EPOCH YEAR: 2010											
MINIMUMS															
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @										
CATEGORY ==>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	812	3/4	200	812	3/4	200	812	3/4	200	812	3/4	200			
LNAV/VNAV DA	909	1	297	909	1	297	909	1	297	909	1	297			
LNAV MDA	900	1	288	900	1	288	900	1	288	900	1	288			
CIRCLING	1100	1	480	1100	1	480	1100	1 1/2	480	1180	2	560			
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING AUSTIN-BERGSTROM INTL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 47C (116F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SCOLL VIA V565 EAST BOUND. SEE 8260-10															
CITY AND STATE		ELEVATION: 620 TDZE: 612		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:			
AUSTIN, TX		AIRPORT NAME: AUSTIN EXECUTIVE		RNAV		RNAV (GPS) RWY 31, ORIG 29 JUL 2010						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 NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AUSTIN-BERGSTROM INTL ALTIMETER SETTING AND INCREASE ALL DA 42 FEET; INCREASE ALL MDA 60 FEET. INCREASE LNAV/VNAV ALL CATS AND LNAV CAT D VISIBILITY 1/4 MILE.

CHART NOTE: VDP NA WITH AUSTIN-BERGSTROM INTL ALTIMETER SETTING.

CHART NOTE: CIRCLING NA TO RWY 16/34.

QUALITY
2
CHECKED

CITY AND STATE

AUSTIN, TX

ELEVATION: 620 TDZE: 612

AIRPORT NAME:

AUSTIN EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

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

FAS DATA BLOCK INFORMATION

DATA FIELD

DATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEDC
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	302333.5200N
LTP/FTP LONGITUDE	0973332.8600W
LTP/FTP ELLIPSOIDAL HEIGHT	+01558
FPAP LATITUDE	302432.6100N
FPAP LONGITUDE	0973450.1100W
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	0912
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

EE1F6BCD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01818
FPAP ORTHOMETRIC HEIGHT	+01818

QUALITY
2
CHECKED

CITY AND STATE

AUSTIN, TX

ELEVATION: 620 TDZE: 612

AIRPORT NAME:

AUSTIN EXECUTIVE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

29 JUL 2010

SUP:

AMDT: NONE

DATED:

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

[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KEDCK4FR31	ASCOLL	010SCOLLK4EA0E	IF							18000		A JS	
SUSAP KEDCK4FR31	ASCOLL	020EFVEPK4EA0E	A 020TF			22390095		+ 02200				A JS	
SUSAP KEDCK4FR31	ASCOLL	030CIRMUK4EA0EE	B 010TF			21650050		+ 02100				A JS	
SUSAP KEDCK4FR31	R	010CIRMUK4EA0E	I IF					+ 02100		18000		A JS	
SUSAP KEDCK4FR31	R	020HIDSUK4EA1E	F 051TF			30650061		+ 02000			RW31	K4PGA JS	
SUSAP KEDCK4FR31	R	020HIDSUK4EA2WALPV		ALNAV/VNAV	ALNAV							JS	
SUSAP KEDCK4FR31	R	021FESEPK4EA0E	S 031TF			30650026		V 0114001149		-300		A JS	
SUSAP KEDCK4FR31	R	030RW31 K4PGOGY	M 031TF			30650016		00637		-300		A JS	
SUSAP KEDCK4FR31	R	040	0 M 010CA			3065		+ 00812				A JS	
SUSAP KEDCK4FR31	R	050GUKWIK4EA0E	010DF									A JS	
SUSAP KEDCK4FR31	R	060DARTEK4EA0EY	010TF			0197		+ 03500				A JS	
SUSAP KEDCK4FR31	R	070DARTEK4EA0EE	R020HM			06000040		+ 03500				A JS	

[illegible]

QUALITY
1
CHECKED

SUP:	
AMDT:	NONE
DATED:	

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

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

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

	SUSAP KEDCK4PR31	RW31	001	0000W31A0N3023335200W09733328600+015580300N3024326100W09734501100106750912000400F400350EE1F6BCD									
	SUSAP KEDCK4PR31	RW31	002E	+01818+01818LPV	45916								

MSA	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

	SUSAP KEDCK4SRW31 K4PG		0	18018003125								M	

QUALITY
1
CHECKED

CITY AND STATE AUSTIN, TX	ELEVATION: 620 TDZE: 612	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, ORIG 29 JUL 2010	SUP:
	AIRPORT NAME: AUSTIN EXECUTIVE			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 16, 34 NA-ENVIRONMENTAL.

RWY 13, 31-STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 31, TREES BEGINNING 901' FROM DER, 258' LEFT OF CENTERLINE, UP TO 50' AGL/669' MSL. UTILITY POLES BEGINNING 929' FROM DER, 370' LEFT OF CENTERLINE, UP TO 135' AGL/749' MSL. UTILITY POLES BEGINNING 2,326' FROM DER, 878' RIGHT OF CENTERLINE, UP TO 105' AGL/704' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
2
CHECK

(5) City, State AUSTIN, TX	(6) Airport AUSTIN EXECUTIVE	(7) Effective Date 29 JUL 2010	(8) Amdt. No. ORIG

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: 2.44 MILES AFTER HNO NDB									
GGG VORTAC PIPES INT		HNO NDB		194.76 / 14.81				2800		CLIMB TO 1800 THEN CLIMBING RIGHT TURN TO 2800 DIRECT HNO NDB AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 167.25 INBOUND. CHART FAS OBST: 629 TREE 320922N/0945158W									
		HNO NDB		269.39 / 5.84				2800											
1. PT <u>L</u> SIDE OF COURSE <u>347.25</u> OUTBOUND <u>2800</u> FT WITHIN <u>10</u> MILES OF <u>HNO NDB</u> (IAF) 2. _____ 3. FAC <u>167.25</u> FAF <u>HNO NDB</u> DIST FAF TO MAP <u>2.44</u> THLD _____ 4. MIN. ALT <u>HNO NDB 1600</u> 8. MSA FROM: <u>HNO NDB 3100</u>										MAG VAR: 3E EPOCH YEAR: 2010									
MINIMUMS																			
TAKEOFF: _____		STANDARD ☒		SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A ☒											
CATEGORY =====>		A			B			C			D			E					
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA			
CIRCLING		1040	1	598	1040	1	598	1040	1 1/2	598			NA						
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LONGVIEW ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, AND VISIBILITY CAT C 1/4 MILE.																			
CITY AND STATE HENDERSON, TX				ELEVATION: 442 TDZE: AIRPORT NAME: RUSK COUNTY				FACILITY IDENTIFIER: HNO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB-B, AMDT 1 29 JUL 2010						SUP AMDT ORIG-B DATE 07/06/2006			

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.

1. PT	L	SIDE OF COURSE	051.14	OUTBOUND	5000	FT WITHIN	10	MILES OF	MAF VORTAC	(IAF)
2.										
3. FAC	231.14	FAF	ECTOR INT/MAF VORTAC 5.00 DME			DIST FAF TO MAP		5.70	THLD	
4. MIN. ALT	MAF VORTAC 5000, ECTOR 4500									
8. MSA FROM:	MAF VORTAC 5100									
										MAG VAR: 11E
										EPOCH YEAR: 1965

[illegible]

CHART NOTE: CIRCLING NA S OF RWYS 2 AND 34.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USED MIDLAND INTL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL ON MAF VORTAC AIRWAY RADIALS 357 CW 102.

QUALITY
SERVICES

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

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

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

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
GVE VORTAC	JODKA/GVE 20.47 DME	092.11 / 20.47	2900
JODKA/GVE 20.47 DME (IF/IAF)	LUYIS/GVE 14.45 DME	272.33 / 6.04 (I-LKU)	2300

MISSED APPROACH

MAP: GVE 9.03 DME FIX
CLIMB TO 2900 DIRECT GVE VORTAC AND HOLD.
ADDITIONAL FLIGHT DATA: HOLD S, RT, 002.00 INBOUND. CHART FAS OBST: 589 TREE 380034N/0775745W LUYIS TO RW27: 3.05/40.

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E JODKA, RT, 272.33 INBOUND, 2900 FT. IN LIEU OF PT (IAF)
- FAC 272.33 FAF LUYIS/GVE 14.45 DME DIST FAF TO MAP THLD 5.46
- MIN. ALT JODKA 2900, LUYIS 2300, OVILY/GVE 10.41 DME 980
- MSA FROM: GVE VORTAC 045-225 2000, 225-045 4900

MAG VAR: 10W

EPOCH YEAR: 2010

MINIMUMS

TAKEOFF:		STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT			ALTERNATE: N A		X							
CATEGORY =====>		A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-27		840	1	347	840	1	347		NA			NA				
CIRCLING		920	1	427	960	1	467		NA			NA				

NOTES:

CHART NOTE: CIRCLING NA N OF RWY 9-27.
 CHART NOTE: DME FROM GVE VORTAC. SIMULTANEOUS RECEPTION OF I-LKU AND GVE DME REQUIRED.
 CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ORANGE ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.

QUALITY
CHECKED

CITY AND STATE LOUISA, VA	ELEVATION: 493 TDZE: 493 AIRPORT NAME: LOUISA COUNTY/FREEMAN FIELD	FACILITY IDENTIFIER: I-LKU	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC/DME RWY 27, AMDT 3 29 JUL 2010	SUP AMDT 2 DATE 06/05/2008

RNAV (GPS) - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MS., except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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				
WERDA (IAF)	JODKA (NOPT) (FB)	002.49 / 5.00	2900	LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 2900 DIRECT ITQUH AND ON TRACK 283.51 TO GVE VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2900. ADDITIONAL FLIGHT DATA: HOLD S, RT, 002.00 INBOUND. CHART FAS OBST: 609 TREE 380016N/0775758W CHART FAS OBST: 589 TREE 380034N/0775745W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. WAAS CHANNEL # 58318 REFERENCE PATH ID: W27A			
BECBA (IAF)	JODKA (NOPT) (FB)	182.47 / 5.00	2900				
JODKA (IF/IAF)	LUYIS (FB)	272.48 / 6.04	2300				
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF) 2. HOLD E JODKA, RT, 272.48 INBOUND, 2900 FT. IN LIEU OF PT (IAF) 3. FAC: <u>272.40</u> FAF: <u>LUYIS</u> DIST FAF TO MAP: <u>5.46</u> THLD: <u>5.46</u> 4. MIN. ALT: <u>JODKA 2900, LUYIS 2300, OVILY/1.40 NM TO RW27 980*</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>2300</u> GS ALT AT: <u>LUYIS 2300</u> OM: <u> </u> MM: <u> </u> IM: <u> </u> 7. GS ANGLE: <u>3.00</u> TCH: <u>40.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u> </u>				MAG VAR: 10W EPOCH YEAR: 2010			
MINIMUMS							
TAKEOFF:	STANDARD	X	SEE FAA FORM 8260-15A FOR THIS AIRPORT	ALTERNATE: N A	STANDARD @		
CATEGORY >>>>>	A		B		C		E
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA
LPV DA	743	1	250	743	1	250	NA
LNAV/VNAV DA	859	1 1/4	366	859	1 1/4	366	NA
LNAV MDA	860	1	367	860	1	367	NA
CIRCLING	920	1	427	960	1	467	NA
NOTES: CHART NOTE: CIRCLING NA N OF RWY 9-27. CHART NOTE: BARO-VNAV NA WHEN USING ORANGE ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. SEE 8260-10							
CITY AND STATE		ELEVATION: 493 TDZE: 493		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
LOUISA, VA		AIRPORT NAME:		RNAV		RNAV (GPS) RWY 27, AMDT 1	
		LOUISA COUNTY/FREEMAN FIELD				29 JUL 2010	
						SUP:	
						AMDT: ORIG	
						DATED 06/05/2008	

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

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

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

NOTES CONT.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

*LNAV ONLY

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

ALL DA 38 FEET AND ALL MDA 40 FEET AND INCREASE LNAV/VNAV VISIBILITY 1/4 MILE.

TAA

	FROM	TO	ALT
1.	182/30 CW 310/30 (NOPT)	JODKA (IF/IAF) (FB)	2900
	310/25 CW 002/25	JODKA (IF/IAF) (FB)	2900
2.	310/30 CW 002/30 (NOPT)	310/25 CW 002/25	3600
3.	002/30 CW 092/30	002/24 CW 092/24	3600
4.	002/24 CW 092/24	WERDA (IAF) (FB)	2900
5.	092/30 CW 182/30	092/14 CW 182/14	4000
6.	092/14 CW 182/14	BECBA (IAF) (FB)	2900

QUALITY
CHECKED

CITY AND STATE

LOUISA, VA

ELEVATION: 493

TDZE: 493

AIRPORT NAME:

LOUISA COUNTY/FREEMAN FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 06/05/2008

FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLKU
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	0
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	380038.2055N
LTP/FTP LONGITUDE	0775745.8330W
LTP/FTP ELLIPSOIDAL HEIGHT	+01180
FPAP LATITUDE	380026.2900N
FPAP LONGITUDE	0775937.5600W
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	1440
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

2EE731B2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01504
FPAP ORTHOMETRIC HEIGHT	+01504

QUALITY
CHECKED

CITY AND STATE

LOUISA, VA

ELEVATION: 493 TDZE: 493

AIRPORT NAME:

LOUISA COUNTY/FREEMAN FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, AMDT 1

29 JUL 2010

SUP:

AMDT: ORIG

DATED: 06/05/2008

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

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KLKUK6FR27	ABECBA	010BECBAK6EA0E	A	IF					18000		A	JS
SUSAP	KLKUK6FR27	ABECBA	020JODKAK6EA0EE	B	010TF		18250050	+	02900			A	JS
SUSAP	KLKUK6FR27	AJODKA	010JODKAK6EA0EE	AR	HF		27250040	+	02900	18000		A	JS
SUSAP	KLKUK6FR27	AWERDA	010WERDAK6EA0E	A	IF					18000		A	JS
SUSAP	KLKUK6FR27	AWERDA	020JODKAK6EA0EE	B	010TF		00250050	+	02900			A	JS
SUSAP	KLKUK6FR27	R	010JODKAK6EA0E	I	IF					18000		A	JS
SUSAP	KLKUK6FR27	R	020LUIYISK6EA1E	F	051TF		27250060	+	02300			A	JS
SUSAP	KLKUK6FR27	R	020LUIYISK6EA2WALPV			ALNAV/VNAV						JS	
SUSAP	KLKUK6FR27	R	021OVILYK6EA0E	S	031TF		27240041	V	0098000981		-300	A	JS
SUSAP	KLKUK6FR27	R	030RW27	K6PGOGY	M	031TF	27240014		00533		-300	A	JS
SUSAP	KLKUK6FR27	R	040		M	010CA	2724	+	00743			A	JS
SUSAP	KLKUK6FR27	R	050ITQUHK6EA0E		010DF							A	JS
SUSAP	KLKUK6FR27	R	060GVE	K6D	OVY	010TF	2835	+	02900			A	JS
SUSAP	KLKUK6FR27	R	070GVE	K6D	OVE	R020HM	00200050	+	02900			A	JS

QUALITY
4
CHECKED

CITY AND STATE LOUISA, VA	ELEVATION: 493 TDZE: 493	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (GPS) RWY 27, AMDT 1	AMDT: ORIG
	LOUISA COUNTY/FREEMAN FIELD		29 JUL 2010	DATED: 06/05/2008

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

SUSAP KLKUK6GRW27 0043002723 N38003821W077574583-0600 +0118000493000040100R

SUSAP	KLKUK6PR27	RW27	001	0000W27A0N3800382055W07757458330+011800300N3800262900W07759375600106751440000400F4005002EE731B2
SUSAP	KLKUK6PR27	RW27	002E	+01504+01504LPV 58318

QUALITY
CHECKED

SUP:	
AMDT:	ORIG
DATED:	06/05/2008

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 9, 27 STANDARD.

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, TREES BEGINNING ABEAM DER, 316' RIGHT OF CENTERLINE, UP TO 100' AGL/589' MSL. TREES BEGINNING 765' FROM DER, 644' LEFT OF CENTERLINE, UP TO 95' AGL/545' MSL. TREES BEGINNING 889' FROM DER, 150' RIGHT OF CENTERLINE, UP TO 59' AGL/519' MSL.
NOTE: RWY 27, TREES BEGINNING ABEAM DER, 350' RIGHT OF CENTERLINE, UP TO 100' AGL/569' MSL. TREES BEGINNING 212' FROM DER, 133' RIGHT OF CENTERLINE, UP TO 100' AGL/569' MSL. TREES BEGINNING 70' FROM DER, 513' LEFT OF CENTERLINE, UP TO 100' AGL/569' MSL.
BUILDING 148' FROM DER, 440' LEFT OF CENTERLINE, 14' AGL/484' MSL. TREES BEGINNING 587' FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100' AGL/549' MSL.

(4) CONTROLLING OBSTACLES:

QUALITY
CHECKED

(5) City, State LOUISA, VA	(6) Airport LOUISA COUNTY/FREEMAN FIELD	(7) Effective Date 29 JUL 2010	(8) Amdt. No. 1

TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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

(1) TAKEOFF MINIMUMS:

RWY 18, 36, NA - ENVIRONMENTAL

RWY 08, 26 STANDARD

(2) TEXTUAL DEPARTURE PROCEDURE:

(3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 08, TREES BEGINNING 106' FROM DER, 45' RIGHT OF CENTERLINE, UP TO 100' AGL/979' MSL. TREES BEGINNING 34' FROM DER, 6' LEFT OF CENTERLINE, UP TO 100' AGL/908' MSL.

NOTE: RWY 26, VEHICLE ON ROAD 346' FROM DER, 17' RIGHT OF CENTERLINE, UP TO 15' AGL/865' MSL. VEHICLE ON ROAD 561' FROM DER, 588' LEFT OF CENTERLINE, UP TO 15' AGL/865' MSL. VEHICLE ON ROAD 607' FROM DER, 46' RIGHT OF CENTERLINE, UP TO 17' AGL/867' MSL. TREES BEGINNING 1850' FROM DER, 131' RIGHT OF CENTERLINE, UP TO 100' AGL/989' MSL. TREES BEGINNING 2870' FROM DER, 431' LEFT OF CENTERLINE, UP TO 100' AGL/959' MSL.

(4) CONTROLLING OBSTACLES:

(5) City, State

EAST TROY, WI

(6) Airport

EAST TROY MUNI

(7) Effective Date

29 JUL 2010

(8) Amdt. No.

ORIG

[4910-13]

DEPARTMENT OF TRANSPORTATION

14 CFR Part 97

[Docket No. 30732 ; Amdt. No. 3381]

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

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Final Rule.

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

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

The incorporation by reference of certain publications listed in the regulations is approved by the Director of the Federal Register as of [INSERT DATE OF PUBLICATION IN THE FEDERAL REGISTER].

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

For Examination -

1. FAA Rules Docket, FAA Headquarters Building, 800 Independence Avenue, SW, Washington, DC 20591;

2. The FAA Regional Office of the region in which the affected airport is located;

3. The National Flight Procedures Office, 6500 South MacArthur Blvd., Oklahoma City, OK 73169 or,

4. The National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to:

http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

Availability - All SIAPs are available online free of charge.

Visit nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from:

1. FAA Public Inquiry Center (APA-200), FAA Headquarters Building, 800 Independence Avenue, SW., Washington, DC 20591; or

2. The FAA Regional Office of the region in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Harry J. Hodges, Flight Procedure Standards Branch (AFS-420) Flight Technologies and Programs Division, Flight Standards Service, Federal Aviation Administration, Mike Monroney Aeronautical Center, 6500 South MacArthur Blvd., Oklahoma City, OK. 73169 (Mail Address: P.O. Box 25082 Oklahoma City, OK. 73125) telephone: (405) 954-4164.

SUPPLEMENTARY INFORMATION: This rule amends Title 14, Code of Federal Regulations, Part 97 (14 CFR part 97) by amending the referenced SIAPs. The complete regulatory description of each SIAP is listed on the appropriate FAA Form 8260, as modified by the National Flight Data Center (FDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference in the amendment under 5 U.S.C. 552(a), 1 CFR part 51, and §97.20 of Title 14 of the Code of Federal Regulations.

The large number of SIAPs, their complex nature, and the need for a special format make their verbatim publication in the Federal Register expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, but refer to their graphic depiction on charts printed by publishers of aeronautical materials. Thus, the advantages of incorporation by reference are realized and publication of the complete description of each SIAP contained in FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAP and the corresponding effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

THE RULE

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP as amended in the transmittal. For safety and timeliness of change considerations, this amendment incorporates only specific changes contained for each SIAP as modified by FDC/P-NOTAMs.

The SIAPs, as modified by FDC P-NOTAM, and contained in this amendment are based on the criteria contained in the U.S. Standard for Terminal Instrument Procedures (TERPS). In developing these changes to SIAPs, the TERPS criteria were applied only to specific conditions existing at the affected airports. All SIAP amendments in this rule have been previously issued by the FAA in a FDC NOTAM as an emergency action of immediate flight safety relating directly to published aeronautical charts. The circumstances which created the need for all these SIAP amendments requires making them effective in less than 30 days.

Because of the close and immediate relationship between these SIAPs and safety in air commerce, I find that notice and public procedure before adopting these SIAPs are impracticable and contrary to the public interest and, where applicable, that good cause exists for making these SIAPs effective in less than 30 days.

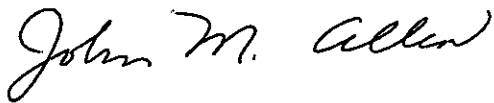
CONCLUSION

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

List of Subjects in 14 CFR part 97:

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

Issued in Washington, DC on June 25, 2010.

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

John M. Allen
Director, Flight Standards Service

ADOPTION OF THE AMENDMENT

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

Part 97 - Standard Instrument Approach Procedures

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

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

2. Part 97 is amended to read as follows:

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

AIRAC DATE	STATE	CITY	AIRPORT	FDC NUMBER	FDC DATE	SUBJECT
29-Jul-10	WI	LAKE GENEVA	GRAND GENEVA RESORT	0/1685	5/25/10	RNAV (GPS) RWY 23, ORIG
29-Jul-10	NE	COLUMBUS	COLUMBUS MUNI	0/1688	6/4/10	VOR RWY 14, AMDT 14A
29-Jul-10	NE	NORTH PLATTE	NORTH PLATTE RGNL AIRPORT LEE BIRD FIELD	0/1886	6/4/10	VOR RWY 35, AMDT 18
29-Jul-10	IL	BLOOMINGTON / NORMAL	CENTRAL IL RGNL ARPT AT BLOOMINGTON / NORMAL	0/2101	6/4/10	RNAV (GPS) RWY 2, ORIG
29-Jul-10	IA	CHEROKEE	CHEROKEE COUNTY RGNL	0/2102	6/4/10	RNAV (GPS) Z RWY 36, ORIG
29-Jul-10	NM	SOCORRO	SOCORRO MUNI	0/2103	6/4/10	RNAV (GPS) Z RWY 33, ORIG
29-Jul-10	IN	NORTH VERNON	NORTH VERNON	0/2108	6/4/10	RNAV (GPS) Z RWY 23, ORIG
29-Jul-10	MO	ST LOUIS	LAMBERT-ST LOUIS INTL	0/2112	6/4/10	ILS OR LOC RWY 24, AMDT 46
29-Jul-10	NE	SEWARD	SEWARD MUNICIPAL	0/2119	6/4/10	NDB RWY 34, ORIG
29-Jul-10	IL	CHICAGO	CHICAGO MIDWAY INTL	0/2125	6/4/10	ILS OR LOC RWY 4R, ORIG-A
29-Jul-10	AK	SELAWIK	SELAWIK	0/2192	6/7/10	RNAV (GPS) Z RWY 22, ORIG-A
29-Jul-10	KY	SOMERSET	LAKE CUMBERLAND RGNL	0/2447	6/4/10	RNAV (GPS) Z RWY 5, AMDT 1
29-Jul-10	AK	FAIRBANKS	FAIRBANKS INTL	0/2653	6/7/10	ILS OR LOC RWY 2L, AMDT 8; ILS RWY 2L (CAT II), AMDT 8; ILS RWY 2L (CAT III), AMDT 8
29-Jul-10	AQ	PAGO PAGO	PAGO PAGO INTL	0/2667	6/11/10	ILS/DME RWY 5, AMDT 13D
29-Jul-10	IL	CHICAGO / ROMEOVILLE	LEWIS UNIVERSITY	0/2786	6/7/10	RNAV (GPS) RWY 27, ORIG
29-Jul-10	OH	DELAWARE	DELAWARE MUNI	0/2960	6/4/10	NDB RWY 10, ORIG
29-Jul-10	ID	LEWISTON	LEWISTON-NEZ PERCE COUNTY	0/3139	6/11/10	ILS RWY 26, AMDT 12
29-Jul-10	ID	LEWISTON	LEWISTON-NEZ PERCE COUNTY	0/3141	6/11/10	RNAV (GPS) Y RWY 12, AMDT 1A

29-Jul-10	CO	ALAMOSA	SAN LUIS VALLEY REGIONAL / BERGMAN FIELD	0/3490	6/11/10	VOR OR GPS A, AMDT 6A
29-Jul-10	VA	SOUTH HILL	MECKLENBURG - BRUNSWICK RGNL	0/3856	6/11/10	LOC RWY 1, ORIG
29-Jul-10	IN	AUBURN	DE KALB COUNTY	0/3941	6/10/10	VOR RWY 9, AMDT 7A
29-Jul-10	IN	AUBURN	DE KALB COUNTY	0/3943	6/10/10	VOR OR GPS A, AMDT 9
29-Jul-10	IN	FORT WAYNE	SMITH FIELD	0/3948	6/9/10	VOR RWY 13, AMDT 9A
29-Jul-10	CA	PALO ALTO	PALO ALTO ARPT OF SANTA CLARA CO	0/4078	6/11/10	VOR/DME RWY 31, ORIG-B
29-Jul-10	CA	REDDING	REDDING MUNI	0/4087	6/10/10	LOC/DME BC RWY 16, AMDT 7
29-Jul-10	CA	TORRANCE	ZAMPERINI FIELD	0/4089	6/10/10	TAKEOFF MINIMUMS AND OBSTACLE DP, AMDT 1
29-Jul-10	FL	WEST PALM BEACH	NORTH PALM BEACH COUNTY GENERAL AVIATION	0/4131	6/4/10	VOR RWY 8R, AMDT 1A
29-Jul-10	SC	COLUMBIA	JIM HAMILTON L.B. OWENS	0/4237	6/15/10	LOC RWY 31, AMDT 1
29-Jul-10	SC	COLUMBIA	JIM HAMILTON L.B. OWENS	0/4240	6/15/10	RADAR-1, AMDT 2
29-Jul-10	FL	ORLANDO	ORLANDO INTL	0/5202	6/11/10	VOR/DME RWY 18L, AMDT 5D
29-Jul-10	FL	ORLANDO	ORLANDO INTL	0/5204	6/11/10	VOR/DME RWY 18R, AMDT 5D
29-Jul-10	NJ	NEWARK	NEWARK LIBERTY INTL	0/9515	5/25/10	GLS RWY 22R, ORIG
29-Jul-10	NJ	NEWARK	NEWARK LIBERTY INTL	0/9516	5/25/10	GLS RWY 11, ORIG
29-Jul-10	NJ	NEWARK	NEWARK LIBERTY INTL	0/9517	5/25/10	GLS RWY 22L, ORIG
29-Jul-10	NJ	NEWARK	NEWARK LIBERTY INTL	0/9518	5/25/10	GLS RWY 4R, ORIG
29-Jul-10	NJ	NEWARK	NEWARK LIBERTY INTL	0/9519	5/25/10	GLS RWY 4L, ORIG

AIRAC Date: 29 July 2010

FDC 0/1685 C02 FI/P GRAND GENEVA RESORT, LAKE GENEVA, WI. RNAV (GPS) RWY 23, ORIG ... CHART NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. THIS IS RNAV (GPS) RWY 23, ORIG-A.

FDC 0/1688 OLU FI/P COLUMBUS MUNI, COLUMBUS, NE. VOR RWY 14, AMDT 14A ... CHRIS FIX MINIMUMS: S-14: MDA 1900/HAT 453 ALL CATS. VIS CAT D 1 1/2. CHART VDP AT OLU 1.9 DME. CHART DISTANCE VDP TO THLD 1.30 MILES. THIS IS VOR RWY 14, AMDT 14B.

FDC 0/1886 LBF FI/P NORTH PLATTE RGNL AIRPORT LEE BIRD FIELD, NORTH PLATTE, NE. VOR RWY 35, AMDT 18... FOMDO FIX MINIMUMS: S-35 MDA 3220/HAT 444 ALL CATS, VISIBILITY CAT D 1 1/2. CHART FAS OBST: 2920 SIGN 410613N/1004315W. THIS IS VOR RWY 35, AMDT 18A.

FDC 0/2101 BMI FI/P CENTRAL IL RGNL ARPT AT BLOOMINGTON-NORMAL, BLOOMINGTON/NORMAL, IL. RNAV (GPS) RWY 2, ORIG... ADD (ASTERISK) TO MINIMUM ALTITUDE 1520 AT YABUG 1.9 NM TO RW02 ON PROFILE VIEW. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GENERAL DOWNING-PEORIA INTL ALTIMETER SETTING AND INCREASE ALL DA/MDA 120 FEET. CIRCLING VISIBILITY CAT A/B 1. CHANGE MISSED APPROACH TO READ: CLIMB TO 3000 DIRECT ZEMEN AND ON TRACK 332.32 TO KAPPA AND HOLD. THIS IS RNAV (GPS) RWY 2, ORIG-A.

FDC 0/2102 CKP FI/P CHEROKEE COUNTY RGNL, CHEROKEE, IA. RNAV (GPS) Z RWY 36, ORIG... DELETE CIRCLING MINIMUMS. CHANGE MISSED APPROACH INSTRUCTIONS TO READ: CLIMB TO 3200 DIRECT DULMY AND ON TRACK 003 TO CISAC AND HOLD. DELETE NOTES: CIRCLING TO RWY 1-19 NA. CIRCLING NA AT NIGHT. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STORM LAKE ALTIMETER SETTING AND INCREASE ALL DA 74 FEET AND ALL VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) Z RWY 36, ORIG-A.

FDC 0/2103 ONM FI/P SOCORRO MUNI, SOCORRO, NM. RNAV (GPS) Z RWY 33, ORIG... DELETE CIRCLING MINIMUMS. CHANGE MISSED APPROACH INSTRUCTIONS TO READ: CLIMB TO 8000 DIRECT KANPE AND ON TRACK 005.07 TO ONM VORTAC AND HOLD. DELETE NOTES: CIRCLING NA WEST OF RWY 15-33. CIRCLING REQUIRES DESCENT ON GS TO CMDA. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NOT AUTHORIZED. THIS IS RNAV (GPS) Z RWY 33, ORIG-A.

FDC 0/2108 OVO FI/P NORTH VERNON, NORTH VERNON, IN. RNAV (GPS) Z RWY 23, ORIG... DELETE CIRCLING MINIMUMS. DELETE NOTE: CIRCLING REQUIRES DESCENT ON GP TO MDA. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SHELBYVILLE ALTIMETER SETTING AND INCREASE ALL DA 84 FEET AND ALL VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) Z RWY 23, ORIG-A.

FDC 0/2112 STL FI/P LAMBERT-ST LOUIS INTL, ST LOUIS, MO. ILS OR LOC RWY 24, AMDT 46... MSA FROM ZUMAY (ST) LOM 090-270 3000, 270-090 2200. THIS IS ILS OR LOC RWY 24, AMDT 46A.

FDC 0/2119 SWT FI/P SEWARD MUNICIPAL, SEWARD, NE. NDB RWY 34, ORIG... DISTANCE EXZAM INT (FAF) TO THLD 3.9 NM. DELETE DISTANCE FAF TO MAP AND TIME DISTANCE TABLE. THIS IS NDB RWY 34, ORIG-A.

FDC 0/2125 MDW FI/P CHICAGO MIDWAY INTL, CHICAGO, IL. ILS OR LOC RWY 4R, ORIG-A... S-LOC MDA 1120/HAT 501 ALL CATS, VIS CATS C/D 1 1/2. ADD NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS ILS OR LOC RWY 4R, ORIG-B.

FDC 0/2192 WLK FI/P SELAWIK, SELAWIK, AK. RNAV (GPS) Z RWY 22, ORIG-A... DELETE CIRCLING MINIMUMS. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KOTZEBUE ALTIMETER SETTING AND INCREASE ALL DA 160 FEET AND INCREASE ALL VISIBILITY 1/2 MILE. THIS IS RNAV (GPS) Z RWY 22, ORIG-B.

FDC 0/2447 SME FI/P LAKE CUMBERLAND RGNL, SOMERSET, KY. RNAV (GPS) Z RWY 5, AMDT 1... DELETE CIRCLING MINIMUMS. DELETE NOTE: CIRCLING REQUIRES DESCENT ON GLIDEPATH TO CMDA. DELETE PLANVIEW AND PROFILE NOTE: FOR LNAV/VNAV FLY VISUAL TO AIRPORT, 048 DEGREES - 2.1 MILES. LNAV/VNAV VIS 2 1/4. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MONTICELLO ALTIMETER SETTING AND INCREASE ALL DA 44 FEET AND LNAV/VNAV ALL CATS VISIBILITY 1/4 MILE. ALTERNATE MINIMUMS: 800-2 1/4 ALL CATS; NA WHEN LOCAL WEATHER NOT AVAILABLE. CHANGE MISSED APPROACH TO READ: CLIMB TO 3600 DIRECT BABME AND ON TRACK 062.88 TO AZLEC AND HOLD. THIS IS RNAV (GPS) Z RWY 5, AMDT 1A.

FDC 0/2653 FAI FI/P FAIRBANKS INTL, FAIRBANKS, AK ILS OR LOC RWY 2L, AMDT 8 ... ILS RWY 2L (CAT II), AMDT 8 ... ILS RWY 2L (CAT III), AMDT 8 ... CHART: TCH 58.3FT. THIS IS ILS OR LOC RWY 2L AMDT 8A, ILS RWY 2L (CAT II), AMDT 8A, ILS RWY 2L (CAT III), AMDT 8A.

FDC 0/2667 PPG FI/P PAGO PAGO INTL, PAGO PAGO, AQ. ILS/DME RWY 5, AMDT 13D...DELETE S-LOC 5, STRAIGHT-IN MINIMA NA, CIRCLING MINIMA APPLY. DELETE CIRCLING MINIMUMS. DELETE NOTE: CIRCLING NOT AUTHORIZED NORTH OF RWY 5-23. CHART NOTE: DME REQUIRED. DELETE I-TUT 2.6 DME FIX AND (ATTENTION SYMBOL) 800 (LOC ONLY). ALTERNATE MINIMUMS: STANDARD. THIS IS ILS RWY 5, AMDT 13E.

FDC 0/2786 LOT FI/P LEWIS UNIVERSITY, CHICAGO/ROMEOVILLE, IL. RNAV (GPS) RWY 27, ORIG... LNAV MDA 1120/HAT 452 ALL CATS. VIS CAT C 1 1/4, CAT D 1 1/2. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOLIET RGNL ALTIMETER SETTING AND INCREASE ALL DA 29 FEET AND ALL MDA 40 FEET, INCREASE CAT C CIRCLING VISIBILITY 1/4 MILE. THIS IS RNAV (GPS) RWY 27, ORIG-A.

FDC 0/2960 DLZ FI/P DELAWARE MUNI, DELAWARE, OH. NDB RWY 10, ORIG... S-10 MDA 1600/HAT 655 ALL CATS. VIS CAT C 1 3/4, CAT D 2. CIRCLING MDA 1600/HAA 655 ALL CATS. VIS CAT C 1 3/4. PORT COLUMBUS INTL ALTIMETER SETTING MINIMUMS S-10 MDA 1680/HAT 735 ALL CATS. VIS CAT C 2, CAT D 2 1/4. CIRCLING MDA 1680/HAA 735 ALL CATS. VIS CAT C 2, CAT D 2 1/4. CHART TDZE 945. THIS IS NDB RWY 10, ORIG-A.

FDC 0/3139 LWS FI/P LEWISTON-NEZ PERCE COUNTY, LEWISTON, ID. ILS RWY 26, AMDT 12...DELETE CIRCLING MINIMUMS. DELETE NOTE: CIRCLING REQUIRES DESCENT ON GS TO CMDA. ALTERNATE MINIMUMS: STANDARD. THIS IS ILS RWY 26, AMDT 12A.

FDC 0/3141 LWS FI/P LEWISTON-NEZ PERCE COUNTY, LEWISTON, ID. RNAV (GPS) Y RWY 12, AMDT 1A...DELETE CIRCLING MINIMUMS. DELETE NOTE: CIRCLING REQUIRES DESCENT ON GLIDEPATH TO CMDA. ALTERNATE MINIMUMS: STANDARD. THIS IS RNAV (GPS) Y RWY 12, AMDT 1B.

FDC 0/3490 ALS FI/P SAN LUIS VALLEY REGIONAL/BERGMAN FIELD, ALAMOSA, CO. VOR OR GPS A, AMDT 6A...CIRCLING CATS A/B/C MDA 8040/HAA 501, CAT D HAA 561. MISSED APPROACH: CLIMBING RIGHT TURN TO 10700 DIRECT ALS VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 10700. THIS IS VOR OR GPS A, AMDT 6B.

FDC 0/3856 AVC FI/P MECKLENBURG-BRUNSWICK RGNL, SOUTH HILL, VA. LOC RWY 1, ORIG...CIRCLING CAT A MDA 860/HAA 419, CATS B/C MDA 900/HAA 459, CAT D MDA 1060/HAA 619. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OXFORD ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET, INCREASE S-1 CAT C AND D AND CIRCLING CAT D VISIBILITY 1/4 MILE. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART ALTERNATE MINIMUMS: STANDARD EXCEPT NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART APT ELEV 441. THIS IS LOC RWY 1, ORIG-A.

FDC 0/3941 GWB FI/P DE KALB COUNTY, AUBURN, IN. VOR RWY 9, AMDT 7A... CHANGE ALL REFERENCE TO WOLF LAKE VOR TO WEBSTER LAKE VOR. S-9 MDA 1420/HAT 540 ALL CATS. VISIBILITY CAT C 1 1/2, CAT D 1 3/4. CIRCLING MDA 1420/HAA 540 CATS A/B, MDA 1600/HAA 720 CATS C/D. AIRPORT ELEVATION 880. TOUCHDOWN ZONE ELEVATION 880. THIS IS VOR RWY 9, AMDT 7B.

FDC 0/3943 GWB FI/P DE KALB COUNTY, AUBURN, IN. VOR OR GPS A, AMDT 9... CHANGE ALL REFERENCE TO WOLF LAKE VOR TO WEBSTER LAKE VOR. CIRCLING MDA 1500/HAA 620 CATS A/B, MDA 1600/HAA 720 CATS C/D. DME MINIMUMS: CIRCLING MDA 1360/HAA 480 CAT A, MDA 1380/HAA 500 CAT B, MDA 1600/HAA 720 CATS C/D. HOLD S LAWNS INT/FWA 15.01 DME, RT, 016.00 INBOUND, 2700 FT IN LIEU OF PT(IAF). MISSED APPROACH: CLIMBING RIGHT TURN TO 2700 VIA FWA R-016 TO LAWNS INT AND HOLD. TERMINAL ROUTE WEBSTER LAKE (OLK) VOR TO LAWNS INT/FWA 15.01 DME MIN ALT 2700. TERMINAL ROUTE FORT WAYNE (FWA) VORTAC (IAF) TO LAWNS INT/FWA 15.01 DME (NOPT) MIN ALT 2700. AIRPORT ELEVATION: 880. THIS IS VOR OR GPS A, AMDT 9A.

FDC 0/3948 SMD FI/P SMITH FIELD, FORT WAYNE, IN. VOR RWY 13, AMDT 9A... CHANGE HIWAY INT TO HIWAY INT/RADAR. HIWAY INT/RADAR TO RWY13: 3.19/40. MISSED APPROACH: CLIMB TO 1900, THEN CLIMBING LEFT TURN TO 2700 DIRECT OLK VOR AND HOLD. HOLD NW OLK VOR, RT 114.51 INBOUND, 2700 FT IN LIEU OF PT (IAF). CHANGE ALL REFERENCE TO WOLF LAKE VOR TO WEBSTER LAKE VOR. S-13 MDA 1360/HAT 525 CATS A/B/C. CIRCLING MDA 1400/HAA 565 CATS A/B/C. AIRPORT ELEVATION 835. TOUCHDOWN ZONE ELEVATION 835. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS VOR RWY 13, AMDT 9B.

FDC 0/4078 PAO FI/P PALO ALTO ARPT OF SANTA CLARA CO, PALO ALTO, CA. VOR/DME RWY 31, ORIG-B...S-31 CATS A/B MDA 480/HAT 473 CIRCLING CAT A MDA 480/HAA 473, CAT B HAA 533 NORMAN Y. MINETA SAN JOSE INTL ALTIMETER SETTING MINIMUMS S-31 CATS A/B HAT 493 CIRCLING CAT A HAA 493, CAT B HAA 573 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART FAS OBS 215 MSL TWR 372655N/1220446W CHART APT ELEV 7 FEET CHART TDZE 7 FEET THIS IS VOR/DME RWY 31, ORIG-C.

FDC 0/4087 RDD FI/P REDDING MUNI, REDDING, CA. LOC/DME BC RWY 16, AMDT 7...CHART PROFILE NOTE: LOCALIZER BACK COURSE UNUSABLE INSIDE 2.0 DME ABOVE 2000. THIS IS LOC/DME BC RWY 16, AMDT 7A.

FDC 0/4089 TOA FI/P ZAMPERINI FIELD, TORRANCE, CA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1...TAKEOFF MINIMUMS: RWY 11L, 400-2 OR STANDARD WITH MINIMUM CLIMB OF 325 FEET PER NM TO 600. RWY 11R, 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 325 FEET PER NM TO 600. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1A.

FDC 0/4131 F45 FI/P NORTH PALM BEACH COUNTY GENERAL AVIATION, WEST PALM BEACH, FL. VOR RWY 8R, AMDT 1A...CHANGE TERMINAL ROUTE COURSE FROM PHK VORTAC (IAF) TO GOBBL INT/PHK 12.80 DME (NOPT) TO 083.00/12.80. CHANGE TERMINAL ROUTE COURSE FROM GOBBL INT/PHK 12.80 DME (IF) TO DUFUS INT/PHK 20.52 DME TO 083.00/7.72. CHANGE HOLD IN LIEU INBOUND COURSE FROM 082 TO 083 ON THE PHK R-083. CHANGE HOLD IN LIEU OUTBOUND COURSE FROM 262 TO 263. CHANGE FINAL APPROACH COURSE FROM DUFUS INT/PHK 20.52 DME TO MAP: 4.67 MILES AFTER DUFUS INT/20.52 DME OR AT PHK R-083/ 25.19 DME FIX. FAC IS A FLIGHT CHECK VALUE. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PALM BEACH ALTIMETER SETTING. THIS IS VOR RWY 8R, AMDT 1B.

FDC 0/4237 CUB FI/P JIM HAMILTON L.B. OWENS, COLUMBIA, SC. LOC RWY 31, AMDT 1... CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COLUMBIA METROPOLITAN ALTIMETER SETTING. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS LOC RWY 31, AMDT 1A.

FDC 0/4240 CUB FI/P JIM HAMILTON L.B. OWENS, COLUMBIA, SC. RADAR-1, AMDT 2... CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COLUMBIA METROPOLITAN ALTIMETER SETTING. THIS IS RADAR-1, AMDT 2A.

FDC 0/5202 MCO FI/P ORLANDO INTL, ORLANDO, FL. VOR/DME RWY 18L, AMDT 5D...DELETE NOTE: ASR. THIS IS VOR/DME RWY 18L, AMDT 5E.

FDC 0/5204 MCO FI/P ORLANDO INTL, ORLANDO, FL. VOR/DME RWY 18R, AMDT 5D...DELETE NOTE: ASR. THIS IS VOR/DME RWY 18R, AMDT 5E.

FDC 0/9515 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. GLS RWY 22R, ORIG... DELETE: SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY. CIRCLING NA ALL CATS. CHART NOTE: FOR INOPERATIVE MALSR INCREASE GLS ALL CATS VISIBILITY TO RVR 4000. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 246. THIS IS GLS RWY 22R, ORIG-A.

FDC 0/9516 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. GLS RWY 11, ORIG... DELETE: SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED. CIRCLING NA ALL CATS. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 308. MISSED APPROACH: CLIMB TO 3000 DIRECT FOVEX AND ON TRACK 192.77 TO COGSU AND RIGHT TURN ON TRACK 284.86 TO DIRMY AND HOLD. THIS IS GLS RWY 11, ORIG-A.

FDC 0/9517 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. GLS RWY 22L, ORIG... DELETE: SPECIAL AIRCRAFT AND AIRCREW AUTHORIZATION REQUIRED. DELETE NOTE: INOPERATIVE TABLE DOES NOT APPLY. CIRCLING MINIMUMS NA ALL CATS. CHART NOTE: FOR INOPERATIVE MALSR INCREASE GLS ALL CATS VISIBILITY TO RVR 4000. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 210. THIS IS GLS RWY 22L, ORIG-A.

FDC 0/9518 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. GLS RWY 4R, ORIG... CIRCLING NA ALL CATS. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 261. THIS IS GLS RWY 4R, ORIG-A.

FDC 0/9519 EWR FI/P NEWARK LIBERTY INTL, NEWARK, NJ. GLS RWY 4L, ORIG... CIRCLING NA ALL CATS. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 210. THIS IS GLS RWY 4L, ORIG-A.