

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 17-13

May 5, 2017

**PREPARED BY THE AERONAUTICAL INFORMATION GROUP, AJV-53
(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 previously published in TL 17-11 on April 7, 2017 and in TL 17-12 on April 21, 2017.

Fairbanks, AK, Fairbanks Intl, RNAV (RNP) Z RWY 2L, Amdt 1
Oakland, CA, Metropolitan Oakland Intl, ILS OR LOC RWY 30, ILS RWY 30 (SA CAT I), ILS
RWY 30 (CAT II), ILS RWY 30 (CAT III), Amdt 30
Pittsburg, KS, Atkinson Muni, RNAV (GPS) RWY 4, Amdt 1D
Albemarle, NC, Stanly County, RADAR-1, Orig
Racine, WI, Batten Intl, RNAV (GPS) RWY 22, Orig-B
Wausau, WI, Wausau Downtown, RNAV (GPS) RWY 31, Amdt 1
Cheyenne, WY, Cheyenne Rgnl/Jerry Olson Field, ILS OR LOC RWY 27, Amdt 35A

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV (RNP) - 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		RNP: DA							
GLDHL (IAF)		UKCOR (TF) (FB) (RNP 1.00)		190.71 / 3.47				4000		CLIMB TO 5000 ON TRACK 20.03 TO USAZY AND RIGHT TURN TO ODIFU AND TRACK 181.43 TO KRNLK AND HOLD.							
URSAA (IAF)		OTIZO (TF) (FB) (RNP 1.00)		008.36 / 9.12				3200									
KRIIS (IAF)		OFJEN (TF) (FB) (RNP 1.00)		257.94 / 4.69				4500									
UKCOR (IF)		WULSE (TF) (FB) (RNP 1.00)		190.79 / 3.15				4000									
WULSE		OKXAC (RF) (FB) (RNP 1.00)		(2.50 NM RADIUS CCW (CFNRF))/3.21				3200		ADDITIONAL FLIGHT DATA: HOLD E, RT, 289.67 INBOUND. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S DISTANCE TO THLD FROM 359 HAT: 0.96 NM. #TCH 492 MSL (DO NOT CHART) CHART AT OR ABOVE 5000 AT URSAA CHART AT OR ABOVE 4500 AT KRIIS CHART: DELTA 1 MOA							
(SEE FORM 8260-10)																	
THIS IS A CORRECTED COPY OF A PROCEDURE PREVIOUSLY PUBLISHED IN TL 17-12.																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. PROFILE STARTS AT JIRIG																	
3. FAC: 019.97 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																	
4. MIN. ALT: JIRIG 2200, HONUT 1600																	
5. DIST TO THLD FROM OM: 3.48 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: 1600 GS ALT AT: HONUT 1600 OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: 3.00 TCH: 55.9 # 34:1 IS CLEAR																	
8. MSA FROM: RW02L 4500										MAG VAR: 18E				EPOCH YEAR: 2020			
MINIMUMS																	
TAKEOFF: 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		DH/MDA VIS HAT/HAA		DH/MDA VIS HAT/HAA		DH/MDA VIS HAT/HAA	
AUTHORIZATION REQUIRED																	
RNP 0.15 DA		798		4000		359		798		4000		359		798		4000	
RNP 0.30 DA		851		4500		412		851		4500		412		851		4500	
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -18C (0F) OR ABOVE 54C (130F). CHART SPEED ICON IN PLANVIEW AT KRIIS : MAX 210 KIAS. CHART PLANVIEW NOTE AT GLDHL, URSAA, KRIIS: (RNP 0.60). CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)																	
CITY AND STATE FAIRBANKS, AK		ELEVATION: 439 TDZE: 439 AIRPORT NAME: FAIRBANKS INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 2L, AMDT 1 22 JUNE 2017						SUP: AMDT: ORIG-A DATED 11/13/2014			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33					
TERMINAL ROUTES, (CONT.):					
FROM		TO	COURSE AND DISTANCE	ALTITUDE	
OKXAC		JIRIG (RF) (FB) (RNP 1.00)	(2.50 NM RADIUS CCW (CFNRFF))/4.25	2200	
OTIZO (IF)		JIRIG (TF) (FB) (RNP 1.00)	019.86 / 3.15	2200	
OFJEN (IF)		WERDU (TF) (FB) (RNP 1.00)	257.78 / 3.15	3800	
WERDU		JIRIG (RF) (FB) (RNP 1.00)	(2.45 NM RADIUS CW (CFPPRF))/5.23	2200	
JIRIG		HONUT (TF) (FB) (RNP 0.60)	019.93 / 2.14	1600	
HONUT (FAF)		RW02L (MAP) (TF) (FO) (RNP 0.30)	019.97 / 3.48		
RW02L (MAP)		USAZY (TF) (FB) (RNP 1.00)	20.03 / 5.75		
USAZY		ODIFU (RF) (FB) (RNP 1.00)	(3.80 NM RADIUS CW (CFFMZ)) / 10.68		
ODIFU		KRNKL (TF) (FO) (RNP 1.00)	181.43 / 9.69	5000	
NOTES, (CONT.): CHART NOTE: RF AND GPS REQUIRED. CHART PLANVIEW NOTE AT WULSE, WERDU: MAX 210 KIAS UNTIL JIRIG. CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.15 ALL CATS VISIBILITY TO RVR 6000. CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.					
CITY AND STATE FAIRBANKS, AK		ELEVATION: 439 AIRPORT NAME: FAIRBANKS INTL	TDZE: 439	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 2L, AMDT 1 22 JUNE 2017
				SUP: AMDT: ORIG-A DATED: 11/13/2014	

QUALITY
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CHECKED

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES								MISSED APPROACH								
FROM		TO		COURSE AND DISTANCE		ALTITUDE		ILS: DA LOC: 6.08 NM AFTER MITOE/I-INB 8.25 DME/RADAR OR AT I-INB 2.19 DME CLIMB TO 600 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 260 AND ON SAU VOR/DME R-110 TO SAU VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000. ALTERNATE MA (DO NOT CHART): CLIMB TO 4000 THEN RIGHT TURN DIRECT OAK VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 215.21 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW OAK VOR/DME, RT, 120.00 INBOUND. FAS OBST: 239 AAO 373904N/1220700W CHART CIRCLING ICON. 254 AAO 373836N/1220606W. CHART VDP AT 3.48 DME* DISTANCE VDP TO THLD 1.31 NM. *LOC ONLY. CHART IN PLANVIEW: OAK VOR/DME. CHART MINIMUM 4100 AT FRNNY. CHART MANDATORY 4500 AT PARBB. CHART PLANVIEW NOTE: RNAV 1-GPS OR RADAR REQUIRED								
FRNNY (IAF)		WUVON (TF) (FB) (RNP 1.00)		296.11 / 5.11		2700										
PARBB (IAF)		ZOLUM (TF) (FB) (RNP 1.00)		254.16 / 3.54		3400										
ZOLUM		WUVON (TF) (FB) (RNP 1.00)		264.04 / 3.00		2700										
WUVON/I-INB 10.46 DME (IF)		MITOE/I-INB 8.25 DME/RADAR		296.01 / 2.21 (I-INB)		2000										
THIS IS A CORRECTED COPY OF A PROCEDURE PREVIOUSLY PUBLISHED IN TL 17-11.																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT WUVON/I-INB 10.46 DME 3. FAC: <u>296.01</u> FAF: MITOE/I-INB 8.25 DME/RADAR DIST FAF TO MAP: <u>6.08</u> THLD: <u>6.08</u> 4. MIN. ALT: <u>WUVON 2700, MITOE 2000</u> 5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: <u>822</u> 150 HAT: <u>1813</u> 100 HAT: <u>859</u> GS ANT: <u>1051</u> 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>MITOE 2000</u> OM: _____ - _____ MM: _____ - _____ IM: <u>113</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>55.0</u> 8. MSA FROM: <u>OAK VOR/DME 170-350 3800, 350-170 5100</u>								MAG VAR: <u>14E</u> EPOCH YEAR: <u>2015</u>								
MINIMUMS																
TAKEOFF: 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 30	209	1800	200	209	1800	200	209	1800	200	209	1800	200				
S-LOC 30	500	2400	491	500	2400	491	500	5000	491	500	5000	491				
SIDESTEP 29	500	1	491	500	1	491	500	1 1/2	491	500	2	491				
CIRCLING	560	1	551	560	1	551	660	1 3/4	651	1400	3	1391				
NOTES: SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 30: CAT A, B, C, D, RA 159, RVR 1400, HAT 150, DA 159 MSL. CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 30: CAT A, B, C, D, RA 109, RVR 1200, HAT 100, DA 109 MSL. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 9		TDZE: 30 9		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
OAKLAND, CA		AIRPORT NAME:		TDZE: 29 9		I-INB		ILS OR LOC RWY 30, AMDT 30, 06/22/2017; ILS RWY 30 (SA CAT I), ILS RWY 30 (CAT II), ILS RWY 30 (CAT III)				AMDT: 29A				
		METROPOLITAN OAKLAND INTL						22 JUNE 2017				DATED 10/13/2016				

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US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
ILS - STANDARD					
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29					
NOTES, (CONT.): CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 30: CAT III CAT A, B, C, D, RVR 600. CHART NOTE: DME OR RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH. CAT II RVR 1000 CHART NOTE: RVR 1000 AUTHORIZED WITH SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN. CAT III/II AND SA CAT I CHART NOTE: MISSED APPROACH REQUIRES MINIMUM CLIMB OF 240 FEET PER NM TO 2700, IF UNABLE TO MEET CLIMB GRADIENT, SEE ILS OR LOC RWY 30. CHART NOTE: SIDESTEP 29 NOT AUTHORIZED AT NIGHT. ←					
CITY AND STATE OAKLAND, CA	ELEVATION: 9	TDZE: 30 9	FACILITY IDENTIFIER: I-INB	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:	TDZE: 29 9		ILS OR LOC RWY 30, AMDT 30, 06/22/2017; ILS RWY 30 (SA CAT I) , ILS RWY 30 (CAT II) , ILS RWY 30 (CAT III)	AMDT: 29A
	METROPOLITAN OAKLAND INTL			22 JUNE 2017	DATED: 10/13/2016



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		LPV: DA LNAV/VNAV: DA LNAV: RW04 CLIMB TO 3000 DIRECT ZIBMO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 217.95 INBOUND. CHART FAS OBST: 994 TREE 372704N/0944430W DISTANCE TO THLD FROM 250 HATH: 0.66 NM. CHART VDP AT 0.86 NM TO RW04* *LNAV ONLY. WAAS CHANNEL # 53430 REFERENCE PATH ID: W04A LTP HAE: 257.8 M						
OSW VOR/DME (IAF)		EXORY (NOPT) (TF) (FB) (RNP 1.00)			059.60 / 16.73			3100								
JETIP (IAF)		EXORY (NOPT) (TF) (FB) (RNP 1.00)			307.83 / 9.47			3100								
EXORY (IF/IAF)		BIDPY (TF) (FB) (RNP 1.00)			037.74 / 6.88			2600								
BIDPY (FAF)		PAYRU/1.70 NM TO RW04 (TF) (FB) (RNP 0.30)			037.80 / 3.37											
PAYRU/1.70 NM TO RW04		RW04 (MAP) (TF) (FO) (RNP 0.30)			037.83 / 1.70											
(SEE FORM 8260-10)																
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 17-11.																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW EXORY, RT, 037.74 INBOUND, 3100 FT. IN LIEU OF PT (IAF) 3. FAC: 037.80 FAF: BIDPY DIST FAF TO MAP: 5.07 THLD: 5.07 4. MIN. ALT: EXORY 3100, BIDPY 2600, PAYRU/1.70 NM TO RW04 1520* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2600 GS ALT AT: BIDPY 2600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW04 3100																
MAG VAR: 2E EPOCH YEAR: 2015																
MINIMUMS																
TAKEOFF: 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	1196	7/8	250	1196	7/8	250	1196	7/8	250		NA					
LNAV/VNAV DA	1196	7/8	250	1196	7/8	250	1196	7/8	250		NA					
LNAV MDA	1260	1	314	1260	1	314	1260	1 ←	314		NA					
CIRCLING	1540	1	590	1540	1	590	1540	1 1/2	590		NA					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART NOTE: BARO-VNAV AND VDP NA WITH JOPLIN ALTIMETER SETTING. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 950 TDZE: 946			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: 27					
PITTSBURG, KS		AIRPORT NAME: ATKINSON MUNI					RNAV (GPS) RWY 4, AMDT 1D				AMDT: 1C					
							22 JUNE 2017				DATED 02/05/2015					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW04 (MAP)	1196 MSL (CA)	037.83	
1196 MSL	ZIBMO (DF) (FO) (RNP 1.00)		3000

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE JOPLIN ALTIMETER SETTING AND INCREASE ALL DA 53 FEET AND ALL MDA 60 FEET, AND INCREASE LPV ALL CATS, LNAV/VNAV ALL CATS AND LNAV CAT C VISIBILITY 1/8 MILE, AND CIRCLING CAT C VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON OSW VOR/DME AIRWAY RADIALS 019 CW 109.

CITY AND STATE
PITTSBURG, KS

ELEVATION: 950 TDZE: 946
AIRPORT NAME:
ATKINSON MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 4, AMDT 1D
22 JUNE 2017

SUP: 27
AMDT: 10
DATED: 02/05/2015

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**RNAV 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	KPTS
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	372635.2480N
LTP/FTP LONGITUDE	0944410.7920W
LTP/FTP ELLIPSOIDAL HEIGHT	+02578
FPAP LATITUDE	372743.7400N
FPAP LONGITUDE	0944259.0900W
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
 <u>CRC REMAINDER</u>	 75135243

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02884
FPAP ORTHOMETRIC HEIGHT	+02884

CITY AND STATE PITTSBURG, KS	ELEVATION: 950	TDZE: 946	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1D 22 JUNE 2017	SUP: 27
	AIRPORT NAME:				AMDT: 1C
	ATKINSON MUNI				DATED: 02/05/2015

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

Initial approach minimum altitude(s) shall correspond with those established for enroute operation in the particular area or as set forth below. Positive identification must be established with the radar controller. From initial contact with radar to final authorized landing minimums, the instructions of the radar controller are mandatory except when: (A) Visual contact is established on final approach at or before descent to the authorized landing minimums; or (B) at pilot's discretion if it appears desirable to discontinue the approach.

Except when the radar controller may direct otherwise prior to final approach, a missed approach shall be executed as provided below when; (A) communications on final approach is lost for more than 5 seconds during a precision approach, or for more than 30 seconds during a surveillance approach; (B) directed by radar controllers; (C) visual contact is not established upon descent to authorized landing minimums; or (D) if landing is not accomplished.

RADAR TERMINAL AREA MANEUVERING SECTORS AND ALTITUDES <i>(Sectors and distances measured from radar antenna)</i>												MISSED APPROACH	
FROM	T O	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE	DISTANCE	ALTITUDE		
												MAP: PAR RWY 22L: DA	
AS ESTABLISHED BY THE CURRENT STANLY COUNTY ASR MINIMUM VECTORING ALTITUDE CHART.												PAR 22L: CLIMB TO 1500, THEN CLIMBING RIGHT TURN TO 3000 DIRECT ALLER (VU) LOM AND HOLD NE, RT, 222.78 INBOUND (ADF REQUIRED);	
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 17-11.												OR WHEN DIRECTED BY ATC: CLIMB HEADING 223.19 TO 2700 FOR RADAR VECTORS.	

[illegible]

NOTES:

PAR RWY 22L: PFAF 5.51 MILES FROM THLD. GLIDESLOPE INTERCEPT ALTITUDE: 2400. FINAL APPROACH COURSE 223.19.

CHART NOTE: PROCEDURE NA WHEN CONTROL TOWER CLOSED.

LOST COMMUNICATIONS (ALL RWYS): As directed by ATC on initial contact.

ADDITIONAL FLIGHT DATA	
1	2
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67	68
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71	72
73	74
75	76
77	78
79	80
81	82
83	84
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89	90
91	92
93	94
95	96
97	98
99	100

TDZE: 584.0	RWY: 22L	TDZE:	RWY:
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TDZE:	RWY:	TDZE:	RWY:
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PAR RWY 22L: GS 3.00 /TCH 40.2 / RPI 767.4

PAR PFAF TO TDP: 5.65 NM

MAG VAR: 6W EPOCH YEAR: 1985

CITY AND STATE

ALBEMARLE, NC

ELEVATION:	609
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AIRPORT NAME:

STANLY COUNTY

FACILITY
IDENTIFIER:

VUJ PAR

PROCEDURE NO. / AMPT NO. / EFFECTIVE DATE:
--

RADAR-1, ORIG
22 JUNE 2017

	SUP
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AMDT: NONE

DATED:


 Quality
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US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.						
TERMINAL ROUTES														MISSED APPROACH									
FROM				TO				COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 3000 DIRECT UCLID AND TRACK 277.22 TO VEENA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 077.79 INBOUND. CHART FAS OBST: 754 TREE 424600N/0874839W DISTANCE TO THLD FROM 283 HAT: 0.72 NM. WAAS CHANNEL # 53516 REFERENCE PATH ID: W22A CHART CIRCLING ICON. CHART VDP AT 0.97 NM TO RW22* *LNAV ONLY. LTP HAE: 168.1 M									
BRAVE				SAXON (TF) (FO) (RNP 2.00)				315.53 / 18.75				2300											
SAXON (IF/IAF)				PUYAF (TF) (FB) (RNP 1.00)				219.03 / 6.04				2300											
PUYAF (FAF)				RW22 (MAP) (TF) (FO) (RNP 0.30)				218.97 / 4.89															
RW22 (MAP)				949 MSL (CA)				218.97															
949 MSL				UCLID (DF) (FB) (RNP 1.00)																			
UCLID				VEENA (TF) (FO) (RNP 1.00)				277.22 / 18.03				3000											
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 17-11 AND PREVIOUSLY CORRECTED IN TL 17-12.																							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 2W EPOCH YEAR: 1995									
2. HOLD NE SAXON, RT, 219.03 INBOUND, 2300 FT. IN LIEU OF PT (IAF)																							
3. FAC: 218.97 FAF: PUYAF _____ DIST FAF TO MAP: 4.89 THLD: 4.89																							
4. MIN. ALT: SAXON 2300, PUYAF 2300																							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																							
6. MIN GS INCPT: 2300 GS ALT AT: PUYAF 2300 OM: _____ MM: _____ IM: _____																							
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS NOT CLEAR																							
8. MSA FROM: RW22 2900																							
MINIMUMS																							
TAKEOFF: 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	949	7/8	283	949	7/8	283	949	7/8	283	949	7/8	283											
LNAV/VNAV DA	997	1	331	997	1	331	997	1	331	997	1	331											
LNAV MDA	1020	1	354	1020	1	354	1020	1	354	1020	1	354											
CIRCLING	1140	1	466	1160	1	486	1380	2	706	1380	2 1/4	32											
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19C (-2F) OR ABOVE 54C (130F) @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. @ CAT D 800-2 1/4 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GENERAL MITCHELL INTL ALTIMETER SETTING: (CONTINUED ON PAGE 2)																							
CITY AND STATE RACINE, WI				ELEVATION: 674 TDZE: 666 AIRPORT NAME: BATTEN INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG-B 22 JUNE 2017					SUP: AMDT: ORIG-A DATED 03/08/2012								

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

NOTES, (CONT.):

INCREASE LPV DA TO 984 AND ALL VISIBILITIES 1/8 SM; INCREASE LNAV/VNAV DA TO 1032 AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDA 40 FEET AND LNAV CAT C AND D VISIBILITY 1/8 SM AND CIRCLING CAT C AND D VISIBILITY 1/4 SM.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRAVE ON V170 SOUTHEAST BOUND.

CHART NOTE: CIRCLING RWY 14 NA AT NIGHT.

CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING GENERAL MITCHELL INTL ALTIMETER SETTING.

QUALITY
4
CHECKED

CITY AND STATE RACINE, WI	ELEVATION: 674 TDZE: 666 AIRPORT NAME: BATTEN INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG-B 22 JUNE 2017	SUP:
				AMDT: ORIG-A
				DATED: 03/08/2012

RNAV 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	KRAC
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	424604.4815N
LTP/FTP LONGITUDE	0874823.5490W
LTP/FTP ELLIPSOIDAL HEIGHT	+01681
FPAP LATITUDE	424453.2305N
FPAP LONGITUDE	0874936.2060W
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	0864
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
<u>CRC REMAINDER</u>	7605D6F8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02029
FPAP ORTHOMETRIC HEIGHT	+02029

QUALITY
4
CHECKED

CITY AND STATE RACINE, WI	ELEVATION: 674 AIRPORT NAME: BATTEN INTL	TDZE: 666	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG-B 22 JUNE 2017	SUP:
					AMDT: ORIG-A
					DATED: 03/08/2012

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		LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 4000 DIRECT ZUIG AND HOLD.**MISSED APPROACH REQUIRES MINIMUM CLIMB OF 300 FEET PER NM TO 2100. ADDITIONAL FLIGHT DATA: HOLD S, RT, 009.55 INBOUND. CHART FAS OBST: 1381 TOWER 445449N/0893508W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.46 NM TO RW31* *LNAV ONLY. WAAS CHANNEL # 45730 REFERENCE PATH ID: W31A CHART CIRCLING ICON. LTP HAE: 328 M										
CHURP (IAF)		HUXIS (NOPT) (TF) (FB) (RNP 1.00)			289.45 / 19.27			3600												
HUXIS (IF/IAF)		ZEDNI (TF) (FB) (RNP 1.00)			307.23 / 7.00			3000												
ZEDNI (FAF)		CILSU/2.10 NM TO RW31 (TF) (FB) (RNP 0.30)			307.13 / 3.44															
CILSU/2.10 NM TO RW31		RW31 (MAP) (TF) (FO) (RNP 0.30)			307.13 / 2.10															
RW31 (MAP)		1700 MSL (CA)			307.13			1700												
1700 MSL		ZUIG (DF) (FO) (RNP 1.00)						4000												
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 17-12.																				
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE HUXIS, RT, 307.23 INBOUND, 3600 FT. IN LIEU OF PT (IAF) 3. FAC: 307.13 FAF: ZEDNI DIST FAF TO MAP: 5.54 THLD: 5.54 4. MIN. ALT: HUXIS 3600, ZEDNI 3000, CILSU/2.10 NM TO RW31 1900* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3000 GS ALT AT: ZEDNI 3000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 44.1 34:1 IS CLEAR 8. MSA FROM: RW31 3600																MAG VAR: 3W EPOCH YEAR: 2015				
MINIMUMS																				
TAKEOFF: 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	7/8	250	1445	7/8	250	1445	7/8	250	1445	7/8	250								
LNAV/VNAV DA** ←	1505	1	310	1505	1	310	1505	1	310	1505	1	310								
LNAV/VNAV DA	1661	1 5/8	466	1661	1 5/8	466	1661	1 5/8	466	1661	1 5/8	466								
LNAV MDA	1700	1	505	1700	1	505	1700	1 3/8	505	1700	1 3/8	505								
CIRCLING	1840	1	639	1840	1	639	1940	2	739	2260	3	1059								
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21C (-5F) OR ABOVE 54C (130F). @ CAT D 1100-3 CHART NOTE: CIRCLING NA SW OF RWY 13-31. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA FOR ARRIVALS AT CHURP ON V26 EASTBOUND AND V191 SOUTHEAST BOUND.																				
CITY AND STATE WAUSAU, WI				ELEVATION: 1201 TDZE: 1195 AIRPORT NAME: WAUSAU DOWNTOWN				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 1 22 JUNE 2017				SUP: AMDT: ORIG-A DATED 04/02/2015						

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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CITY AND STATE
WAUSAU, WI

ELEVATION: 1201 **TDZE: 1195**
AIRPORT NAME:
WAUSAU DOWNTOWN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 31, AMDT 1
22 JUNE 2017

SUP:
AMDT: **ORIG-A**
DATED: **04/02/2015**

**RNAV 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	KAUW
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	445521.4000N
LTP/FTP LONGITUDE	0893721.2800W
LTP/FTP ELLIPSOIDAL HEIGHT	+03280
FPAP LATITUDE	445611.2820N
FPAP LONGITUDE	0893905.1950W
THRESHOLD CROSSING HEIGHT (TCH)	00044.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1168
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 83F5F95C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03627
FPAP ORTHOMETRIC HEIGHT	+03627

QUALITY
22
CHECKED

CITY AND STATE WAUSAU, WI	ELEVATION: 1201 AIRPORT NAME: WAUSAU DOWNTOWN	TDZE: 1195 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 1 22 JUNE 2017	SUP:
				AMDT: ORIG-A
				DATED: 04/02/2015

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES														MISSED APPROACH												
FROM				TO				COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 5.17 NM AFTER ZULEV INT/I-CYS 6.62 DME OR AT I-CYS 1.48 DME												
CYS VORTAC				COLLA INT/I-CYS 14.45 DME				097.66 / 13.00 (CYS)				8500		CLIMB TO 6800, THEN CLIMBING RIGHT TURN TO 8000 DIRECT CYS VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 8000(TACAN AIRCRAFT CONTINUE VIA CYS VORTAC R-016 TO MARKL/CYS 10.00 DME AND HOLD N, RT, 196 INBOUND). ADDITIONAL FLIGHT DATA:  HOLD N, RT, 196 INBOUND. CHART VDP AT 2.73 DME* DISTANCE VDP TO THLD 1.27 NM. *LOC ONLY. FAS OBST: 6309 AAO 410924N/1044254W CHART CIRCLING ICON.												
HAMER INT/GLL 32.45 DME (IAF)				COLLA INT/I-CYS 14.45 DME (NOPT)				350.00 / 5.42 (GLL) (CYS LR-106)				7800														
EGBER INT/CYS 23.23 DME (IAF)				COLLA INT/I-CYS 14.45 DME (NOPT)				220.00 / 5.42 (HDG) & 265.31 / 6.90 (I-CYS)				7800														
COLLA INT/I-CYS 14.45 DME (IF/IAF)				ZULEV INT/I-CYS 6.62 DME				265.31 / 7.83 (I-CYS)				7800														
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 17-12.																										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																										
2. HOLD E COLLA, RT, 265.31 INBOUND, 7800 FT. IN LIEU OF PT (IAF)																										
3. FAC: 265.31 FAF: ZULEV INT/I-CYS 6.62 DME DIST FAF TO MAP: 5.17 THLD: 5.17																										
4. MIN. ALT: COLLA 7800, ZULEV 7800																										
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 917																										
6. MIN GS INCPT: 7800 GS ALT AT: ZULEV 7800 OM: _____ MM: _____ IM: _____																										
7. GS ANGLE: 3.00 TCH: 55.0																										
8. MSA FROM: CYS VORTAC 350-120 7600, 120-210 8500, 210-350 10300														MAG VAR: 10E EPOCH YEAR: 2005												
MINIMUMS																										
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			ILS: STANDARD #			LOC: STANDARD @													
CATEGORY ==>		A			B			C			D			E												
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA											
S-ILS 27	6321	2400	200	6321	2400	200	6321	2400	200	6321	2400	200														
S-LOC 27	6560	2400	439	6560	2400	439	6560	4000	439	6560	4000	439														
CIRCLING	6640	1	480	6640	1	480	6900	2	740	6940	2 1/2	780														
NOTES: CHART PROFILE NOTE: USE I-CYS DME WHEN ON THE LOCALIZER COURSE. CHART NOTE: # RVR 1800 AUTHORIZED WITH THE USE OF FD OR AP OR HUD TO DA.																										
# CAT C 800-2, CAT D 800-2 1/2 @ CAT D 800-2 1/2																										
QUALITY 4 CHECKED																										
CITY AND STATE CHEYENNE, WY				ELEVATION: 6160 TDZE: 6121 AIRPORT NAME: CHEYENNE RGNL/JERRY OLSON FIELD				FACILITY IDENTIFIER: I-CYS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 27, AMDT 35A 22 JUNE 2017					SUP: AMDT: 35 DATED 05/26/2016											

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31134](#); Amdt. No. [3747](#)]

**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 removes Standard Instrument Approach Procedures (SIAPs) and associated Takeoff Minimums and Obstacle Departure Procedures (ODPs) 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. U.S. Department of Transportation, Docket Ops-M30, 1200 New Jersey Avenue SE, West Bldg., Ground Floor, Washington, D.C., 20590-0001.

2. The FAA Air Traffic Organization Service Area in which the affected airport is located;

3. The office of Aeronautical Navigation Products, 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 the National Flight Data Center at nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from the FAA Air Traffic Organization Service Area in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Thomas J. Nichols, 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 removes SIAPS, Takeoff Minimums and/or ODPS. The complete regulatory 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, their complex nature, and the need for a special format make publication in the **Federal Register** expensive and impractical. Further, airmen do not use the regulatory text of the SIAPs, Takeoff Minimums or ODPs, but instead 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, Takeoff Minimums and ODP listed on FAA form documents is unnecessary. This amendment provides the affected CFR sections and specifies the types of SIAPs, Takeoff Minimums and ODPs with their applicable effective dates. This amendment also identifies the airport and its location, the procedure, and the amendment number.

Availability and Summary of Material Incorporated by Reference

The material incorporated by reference is publicly available as listed in the ADDRESSES section.

The material incorporated by reference describes SIAPS, Takeoff Minimums and/or ODPS as identified in the amendatory language for part 97 of this final rule.

The Rule

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP, Takeoff Minimums and ODP as Amended 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 that 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 procedure under 5 U.S.C. 553(b) are impracticable and contrary to the public interest and, where applicable, under 5 U.S.C 553(d), good cause exists for making some SIAPs effective in less than 30 days.

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,
Navigation (Air).

Issued in Washington, DC on May 5, 2017

A handwritten signature in black ink, appearing to read "John S. Duncan", with a stylized, flowing script.

John S. Duncan
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 removing Standard Instrument Approach Procedures and/or Takeoff Minimums and Obstacle Departure 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(f), 106(g), 40103, 40106, 40113, 40114, 40120, 44502, 44514, 44701, 44719, 44721-44722.

2. Part 97 is amended to read as follows:

Effective 22 June 2017

Manokotak, AK, Manokotak, RNAV (GPS) RWY 3, Orig-A
 Manokotak, AK, Manokotak, RNAV (GPS) RWY 21, Orig-A
 Scottsboro, AL, Scottsboro Muni-Word Field, RNAV (GPS) RWY 4, Orig-A
 Scottsboro, AL, Scottsboro Muni-Word Field, RNAV (GPS) RWY 22, Orig-A
 Stuttgart, AR, Stuttgart Municipal Carl Humphrey Field, ILS OR LOC RWY 36, Orig-C
 Stuttgart, AR, Stuttgart Municipal Carl Humphrey Field, RNAV (GPS) RWY 9, Orig-C
 Stuttgart, AR, Stuttgart Municipal Carl Humphrey Field, RNAV (GPS) RWY 18, Amdt 1B
 Stuttgart, AR, Stuttgart Municipal Carl Humphrey Field, RNAV (GPS) RWY 27, Amdt 1C
 Stuttgart, AR, Stuttgart Municipal Carl Humphrey Field, RNAV (GPS) RWY 36, Amdt 1C
 Stuttgart, AR, Stuttgart Municipal Carl Humphrey Field, Takeoff Minimums and Obstacle DP, Orig-A
 Concord, CA, Buchanan Field, Takeoff Minimums and Obstacle DP, Amdt 3
 Grass Valley, CA, Nevada County Air Park, GPS RWY 7, Orig-A, CANCELED
 Oroville, CA, Oroville Muni, RNAV (GPS) RWY 2, Amdt 1
 Oroville, CA, Oroville Muni, Takeoff Minimums and Obstacle DP, Amdt 4
 Oroville, CA, Oroville Muni, VOR-A, Amdt 8
 Rio Vista, CA, Rio Vista Muni, RNAV (GPS) RWY 25, Amdt 3D
 San Diego, CA, San Diego Intl, RNAV (GPS) RWY 9, Amdt 1A
 Weed, CA, Weed, FOBRO ONE, Graphic DP
 Weed, CA, Weed, RNAV (GPS) RWY 14, Orig
 Weed, CA, Weed, Takeoff Minimums and Obstacle DP, Orig
 Bridgeport, CT, Igor I Sikorsky Memorial, ILS OR LOC RWY 6, Amdt 10
 Bridgeport, CT, Igor I Sikorsky Memorial, RNAV (GPS) RWY 6, Amdt 1
 Bridgeport, CT, Igor I Sikorsky Memorial, RNAV (GPS) RWY 24, Amdt 1
 Bridgeport, CT, Igor I Sikorsky Memorial, RNAV (GPS) RWY 29, Amdt 1
 Bridgeport, CT, Igor I Sikorsky Memorial, VOR RWY 24, Amdt 17
 Fort Pierce, FL, Treasure Coast Intl, ILS OR LOC RWY 10R, Amdt 4D
 Milledgeville, GA, Baldwin County, RNAV (GPS) RWY 10, Amdt 1A
 Milledgeville, GA, Baldwin County, RNAV (GPS) RWY 28, Amdt 1A
 Chanute, KS, Chanute Martin Johnson, RNAV (GPS) RWY 36, Orig-A
 Independence, KS, Independence Muni, ILS OR LOC RWY 35, Amdt 1D
 Shreveport, LA, Shreveport Downtown, RNAV (GPS) RWY 32, Orig
 Troy, MI, Oakland/Troy, RNAV (GPS) RWY 9, Amdt 3
 Kill Devil Hills, NC, First Flight, RNAV (GPS) RWY 3, Orig
 Kill Devil Hills, NC, First Flight, RNAV (GPS) RWY 21, Orig
 Kill Devil Hills, NC, First Flight, Takeoff Minimums and Obstacle DP, Orig
 Linton, ND, Linton Muni, RNAV (GPS) RWY 9, Orig-B
 Linton, ND, Linton Muni, RNAV (GPS) RWY 27, Orig-B
 Dunkirk, NY, Chautauqua County/Dunkirk, RNAV (GPS) RWY 6, Orig-A, CANCELED
 Dunkirk, NY, Chautauqua County/Dunkirk, RNAV (GPS) RWY 15, Amdt 1
 Dunkirk, NY, Chautauqua County/Dunkirk, RNAV (GPS) RWY 24, Orig-A, CANCELED
 Dunkirk, NY, Chautauqua County/Dunkirk, RNAV (GPS) RWY 33, Orig-B

Dunkirk, NY, Chautauqua County/Dunkirk, RNAV (GPS)-A, Orig
 Dunkirk, NY, Chautauqua County/Dunkirk, RNAV (GPS)-B, Orig
 Dunkirk, NY, Chautauqua County/Dunkirk, VOR RWY 24, Amdt 8A, CANCELED
 Poughkeepsie, NY, Hudson Valley Rgnl, Takeoff Minimums and Obstacle DP, Amdt 2A
 Watertown, NY, Watertown Intl, RNAV (GPS) RWY 28, Amdt 1
 Watertown, NY, Watertown Intl, Takeoff Minimums and Obstacle DP, Amdt 2
 Batavia, OH, Clermont County, RNAV (GPS) RWY 4, Amdt 1C
 Batavia, OH, Clermont County, RNAV (GPS) RWY 22, Amdt 1D
 Batavia, OH, Clermont County, VOR-B, Amdt 7C
 Enid, OK, Enid Woodring Rgnl, ILS OR LOC RWY 35, Amdt 7
 Enid, OK, Enid Woodring Rgnl, RNAV (GPS) RWY 17, Amdt 1
 Enid, OK, Enid Woodring Rgnl, RNAV (GPS) RWY 35, Amdt 2
 Jackson, TN, Mc Kellar-Sipes Rgnl, ILS OR LOC RWY 2, Amdt 9
 Jackson, TN, Mc Kellar-Sipes Rgnl, VOR RWY 2, Amdt 13, CANCELED
 Jamestown, TN, Jamestown Muni, RNAV (GPS)-B, Orig
 Jamestown, TN, Jamestown Muni, RNAV (GPS)-C, Orig
 Midland, TX, Midland Intl Air and Space Port, ILS OR LOC RWY 10, Amdt 16C
 Midland, TX, Midland Intl Air and Space Port, RNAV (GPS) RWY 4, Amdt 1C
 Midland, TX, Midland Intl Air and Space Port, RNAV (GPS) RWY 10, Amdt 2B
 Midland, TX, Midland Intl Air and Space Port, RNAV (GPS) RWY 16R, Amdt 1B
 Midland, TX, Midland Intl Air and Space Port, RNAV (GPS) RWY 22, Amdt 1B
 Midland, TX, Midland Intl Air and Space Port, RNAV (GPS) RWY 28, Amdt 2B
 Midland, TX, Midland Intl Air and Space Port, RNAV (GPS) RWY 34L, Amdt 1B
 Midland, TX, Midland Intl Air and Space Port, Takeoff Minimums and Obstacle DP, Amdt 1A
 Midland, TX, Midland Intl Air and Space Port, VOR OR TACAN RWY 16R, Amdt 23B
 Midland, TX, Midland Intl Air and Space Port, VOR OR TACAN RWY 34L, Amdt 10B
 Robstown, TX, Nueces County, RNAV (GPS) RWY 13, Amdt 1
 Robstown, TX, Nueces County, RNAV (GPS) RWY 31, Orig
 Newport News, VA, Newport News/Williamsburg Intl, ILS OR LOC RWY 7, Amdt 34
 Newport News, VA, Newport News/Williamsburg Intl, ILS OR LOC RWY 25, Amdt 2
 Newport News, VA, Newport News/Williamsburg Intl, LOC RWY 20, Amdt 1C
 Newport News, VA, Newport News/Williamsburg Intl, RNAV (GPS) RWY 2, Amdt 1B
 Newport News, VA, Newport News/Williamsburg Intl, RNAV (GPS) RWY 7, Amdt 4
 Newport News, VA, Newport News/Williamsburg Intl, RNAV (GPS) RWY 20, Amdt 2B
 Newport News, VA, Newport News/Williamsburg Intl, RNAV (GPS) RWY 25, Amdt 3

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						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: RW03 CLIMB TO 3600 DIRECT ASOVY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 204.51 INBOUND. CHART FAS OBST: 134 TREE 585554N/1585511W CHART VDP AT 0.87 NM TO RW03. CHART CIRCLING ICON PUBME TO RW03: 3.02/40											
BUZUV (IAF)				MAJLE (NOPT) (TF) (FB) (RNP 1.00)				113.93 / 5.00				2800													
GIGZO (IAF)				MAJLE (NOPT) (TF) (FB) (RNP 1.00)				294.14 / 5.00				2800													
MAJLE (IF/IAF)				PUBME (TF) (FB) (RNP 1.00)				024.03 / 6.20				1600													
PUBME (FAF)				RW03 (MAP) (TF) (FO) (RNP 0.30)				024.14 / 4.61																	
RW03 (MAP)				400 MSL				024.14				3600													
400 MSL				ASOVY (DF) (FO) (RNP 1.00)																					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW MAJLE, RT, 024.03 INBOUND, 2800 FT. IN LIEU OF PT (IAF) 3. FAC: 024.14 FAF: PUBME DIST FAF TO MAP: 4.61 THLD: 4.61 4. MIN. ALT: MAJLE 2800, PUBME 1600 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS CLEAR 8. MSA FROM: _____																MAG VAR: 16E				EPOCH YEAR: 2005					
MINIMUMS																									
TAKEOFF: 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	400	1	295	400	1	295	400	1	295	400	1	295													
CIRCLING	540	1	433	560	1	453	560	1 1/2	453	660	2	553													
NOTES: CHART NOTE: CIRCLING NA NW OF RWYS 03 AND 21. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP NA WHEN USING DILLINGHAM ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE DILLINGHAM ALTIMETER SETTING AND (CONTINUED ON PAGE 2)																									
CITY AND STATE MANOKOTAK, AK				ELEVATION: 107 TDZE: 105 AIRPORT NAME: MANOKOTAK				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, ORIG-A 22 JUNE 2017				SUP:									
																AMDT: ORIG									
																DATED 08/27/2009									



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

INCREASE ALL MDA 40 FEET AND LNAV CAT D VISIBILITY 1/4 SM.

CHART NOTE: RW03 HELICOPTER VISIBILITY BELOW 1 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	294/30 CW 041/30 (NOPT)	MAJLE (IF/IAF) (FB)	2800
	041/30 CW 114/30 (NOPT)	041/5 CW 114/5	4900
	041/5 CW 114/5	MAJLE (IF/IAF) (FB)	2800
2.	114/30 CW 204/30	114/4 CW 204/4 (IAF) (FB)	5000
	114/4 CW 204/4	BUZUV (IAF) (FB)	3600
3.	204/30 CW 294/30	204/12 CW 294/12 (FB)	4100
	204/12 CW 294/12	GIGZO (IAF) (FB)	2800

CITY AND STATE
MANOKOTAK, AK

ELEVATION: 107 TDZE: 105
AIRPORT NAME:
MANOKOTAK

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 3, ORIG-A
22 JUNE 2017

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

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LNAV: RW21							
KACPO (IAF)		ASOVY (NOPT) (TF) (FB) (RNP 1.00)		114.40 / 5.00			3600		CLIMB TO 2800 DIRECT MAJLE AND HOLD.							
LUSBY (IAF)		ASOVY (NOPT) (TF) (FB) (RNP 1.00)		294.62 / 5.00			3600									
ASOVY (IF/IAF)		UBBOQ (TF) (FB) (RNP 1.00)		204.51 / 10.00			2100									
UBBOQ (FAF)		RW21 (MAP) (TF) (FO) (RNP 0.30)		204.33 / 6.05												
RW21 (MAP)		400 MSL		204.33					ADDITIONAL FLIGHT DATA: HOLD SW, RT, 024.03 INBOUND. CHART FAS OBST: 184 TREE 585730N/1585305W CHART VDP AT 0.91 NM TO RW21. CHART CIRCLING ICON. UBBOQ TO RW21: 3.04/40							
400 MSL		MAJLE (DF) (FO) (RNP 1.00)					2800									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. HOLD NE ASOVY, RT, 204.51 INBOUND, 3600 FT. IN LIEU OF PT (IAF)																
3. FAC: 204.33 FAF: UBBOQ DIST FAF TO MAP: 6.05 THLD: 6.05																
4. MIN. ALT: ASOVY 3600, UBBOQ 2100																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: 34:1 IS CLEAR																
8. MSA FROM: _____																
MAG VAR: 16E EPOCH YEAR: 2005																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		STANDARD @				
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
LNAV MDA	440	1	333	440	1	333	440	1	333	440	1	333				
CIRCLING	540	1	433	560	1	453	560	1 1/2	453	660	2	553				
NOTES: CHART NOTE: CIRCLING NA NW OF RWYS 3 AND 21. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP NA WHEN USING DILLINGHAM ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE DILLINGHAM ALTIMETER SETTING AND (CONTINUED ON PAGE 2)																
CITY AND STATE MANOKOTAK, AK		ELEVATION: 107 TDZE: 107 AIRPORT NAME: MANOKOTAK		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG-A 22 JUNE 2017						SUP: AMDT: DATED 08/27/2009				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

INCREASE ALL MDA 40 FEET AND INCREASE LNAV CAT D VISIBILITY 1/4 SM.

CHART NOTE: RWY 21 HELICOPTER VISIBILITY BELOW 1 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	114/30 CW 295/30 (NOPT)	114/5 CW 295/5	5500
	114/5 CW 295/5	ASOVY (IF/IAF) (FB)	3600
2.	295/30 CW 025/30	295/14 CW 025/14	4100
	295/14 CW 025/14	LUSBY (IAF) (FB)	3600
3.	025/30 CW 114/30	025/6 CW 114/6	5400
	025/6 CW 114/6	KACPO (IAF) (FB)	4300

CITY AND STATE

MANOKOTAK, AK

ELEVATION: 107

TDZE: 107

AIRPORT NAME:

MANOKOTAK

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, ORIG-A

22 JUNE 2017

SUP:

AMDT:

DATED:

QUALITY
19
CHECKED

ORIG

08/27/2009

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: RW04 CLIMB TO 3500 DIRECT DUGGE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, LT, 220.56 INBOUND. CHART FAS OBST: 1258 TOWER 344101N/0860142W CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.							
EDASE (IAF)		DIVYA (NOPT) (TF) (FB) (RNP 1.00)			130.33 / 5.00			3500									
FALVA (IAF)		DIVYA (NOPT) (TF) (FB) (RNP 1.00)			310.42 / 5.00			3500									
DIVYA (IF/IAF)		CAREM (TF) (FB) (RNP 1.00)			040.38 / 6.20			2600									
CAREM (FAF)		BUPME/3.30 NM TO RW04 (TF) (FB) (RNP 0.30)			040.42 / 2.60												
BUPME/3.30 NM TO RW04		RW04 (MAP) (TF) (FO) (RNP 0.30)			040.42 / 3.30												
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW DIVYA, RT, 040.38 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: 040.42 FAF: CAREM DIST FAF TO MAP: 5.90 THLD: 5.90 4. MIN. ALT: DIVYA 3500, CAREM 2600, BUPME/3.30 NM TO RW04 1760 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: 3W			EPOCH YEAR: 2010				
MINIMUMS																	
TAKEOFF: 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	1520	1	870	1520	1 1/4	870	1520	2 1/2	870	1520	2 3/4	870					
CIRCLING	1620	1 1/4	970	1700	1 1/2	1050	1800	3	1150	1800	3	1150					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. @ CAT A 1000-2, CAT B 1100-2, CAT C, D 1200-3 CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																	
CITY AND STATE		ELEVATION: 650 TDZE: 650			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:						
SCOTTSBORO, AL		AIRPORT NAME:			RNAV		RNAV (GPS) RWY 4, ORIG-A				AMDT: ORIG						
		SCOTTSBORO MUNI-WORD FIELD					22 JUNE 2017				DATED 12/20/2007						

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW04 (MAP)	1050 MSL (CA)	040.42	

1050 MSL	DUGGE (DF) (FO) (RNP 1.00)		3500
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TAA

	FROM	TO	ALT
1.	310/30 CW 130/30 (NOPT)	310/10 CW 130/10	4400
2.	310/10 CW 130/10	DIVYA (IF/IAF) (FB)	3500
3.	130/30 CW 220/30	EDASE (IAF) (FB)	4400
4.	220/30 CW 310/30	FALVA (IAF) (FB)	4400

CITY AND STATE
SCOTTSBORO, AL

ELEVATION: 650 TDZE: 650
AIRPORT NAME:
SCOTTSBORO MUNI-WORD FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 4, ORIG-A
22 JUNE 2017

SUP:
AMDT: ORIG
DATED: 12/20/2007

QUALITY
10
CHECKED

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: RW22 CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3500 DIRECT DUGGE AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1179 TREE 344442N/0855845W CHART 1339 TREE 344509N/0855752W CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.						
FAXIL (IAF)		DUGGE (NOPT) (TF) (FB) (RNP 1.00)		310.61 / 5.00				3500								
FINOP (IAF)		DUGGE (NOPT) (TF) (FB) (RNP 1.00)		130.51 / 5.00				3500								
DUGGE (IF/IAF)		CAKPA (TF) (FB) (RNP 1.00)		220.56 / 6.20				2600								
CAKPA (FAF)		DUCAB/3.60 NM TO RW22 (TF) (FB) (RNP 0.30)		220.51 / 2.36												
DUCAB/3.60 NM TO RW22		RW22 (MAP) (TF) (FO) (RNP 0.30)		220.51 / 3.60												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE DUGGE, LT, 220.56 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: 220.51 FAF: CAKPA DIST FAF TO MAP: 5.96 THLD: 5.96 4. MIN. ALT: DUGGE 3500, CAKPA 2600, DUCAB/3.60 NM TO RW22 1840 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: 3W			EPOCH YEAR: 2010			
MINIMUMS																
TAKEOFF: 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	1360	1	719	1360	1	719	1360	2	719	1360	2 1/4	719				
CIRCLING	1620	1 1/4	970	1700	1 1/2	1050	1800	3	1150	1800	3	1150				
NOTES: CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. @ CAT A 1000-2, CAT B 1100-2, CAT C, D 1200-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT.																
CITY AND STATE		ELEVATION: 650 TDZE: 641		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:						
SCOTTSBORO, AL		AIRPORT NAME: SCOTTSBORO MUNI-WORD FIELD				RNAV (GPS) RWY 22, ORIG-A				AMDT: ORIG						
						22 JUNE 2017				DATED 12/20/2007						

QUALITY
10
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW22 (MAP)	1100 MSL (CA)	220.51	

1100 MSL	DUGGE (DF) (FO) (RNP 1.00)		3500
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TAA

	FROM	TO	ALT
1.	131/30 CW 311/30 (NOPT)	131/4 CW 311/4	4400
2.	131/4 CW 311/4	DUGGE (IF/IAF) (FB)	3500
3.	311/30 CW 041/30	FAXIL (IAF) (FB)	4400
4.	041/30 CW 131/30	FINOP (IAF) (FB)	4400

CITY AND STATE
SCOTTSBORO, AL

ELEVATION: 650 TDZE: 641
AIRPORT NAME:
SCOTTSBORO MUNI-WORD FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 22, ORIG-A
22 JUNE 2017

SUP: **QUALITY 10 CHECKED**
AMDT: ORIG
DATED: 12/20/2007

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 4.91 NM AFTER STUTT LOM OR AT I-TTL 1.16 DME CLIMB TO 800 THEN CLIMBING LEFT TURN TO 1900 DIRECT TT LOM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, LT, 359.85 INBOUND. CHART FAS OBST: 268 TREE 343456N/0913437W CHART VDP AT 2.01 DME* DISTANCE VDP TO THLD 0.85 NM. *LOC ONLY. CHART IN PLANVIEW: (CFPVH) AT 342420.50N/0913510.52W. CHART PLANVIEW NOTE: ADF REQUIRED.					
PBF VOR/DME		STUTT LOM		043.71 / 23.10				1900							
UJM VOR/DME		STUTT LOM		263.99 / 45.16				2300							
LIT VORTAC		STUTT LOM		103.97 / 31.40				1900							
1. PT <u>R</u> SIDE OF COURSE <u>179.85</u> OUTBOUND <u>1900</u> FT WITHIN <u>10</u> MILES OF <u>STUTT LOM</u> (IAF) 2. _____ 3. FAC: <u>359.85</u> FAF: <u>STUTT LOM</u> DIST FAF TO MAP: <u>4.91</u> THLD: <u>4.91</u> 4. MIN. ALT: <u>STUTT LOM 1900</u> 5. DIST TO THLD FROM OM: <u>4.91</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>1900</u> GS ALT AT: <u>-</u> OM: <u>1857</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>49.5</u> 8. MSA FROM: <u>TT LOM 2500</u>										MAG VAR: 2E		EPOCH YEAR: 2000			
MINIMUMS															
TAKEOFF: 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 36	424	3/4	200	424	3/4	200	424	3/4	200	424	3/4	200			
S-LOC 36	520	3/4	296	520	3/4	296	520	3/4	296	520	1	296			
CIRCLING	660	1	436	680	1	456	680	1 1/2	456	780	2	556			
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING AND INCREASE ALL DA/MDA 100 FEET. # @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: VDP NA WITH BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING. CHART NOTE: FOR INOPERATIVE MALSF WHEN USING BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 224 TDZE: 224		FACILITY IDENTIFIER: I-TTL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
STUTTGART, AR		AIRPORT NAME: STUTTGART MUNICIPAL CARL HUMPHREY FIELD				ILS OR LOC RWY 36, ORIG-C 22 JUNE 2017				AMDT: ORIG-B					
										DATED 04/28/2016					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

NOTES, (CONT.):

SETTING, INCREASE ILS ALL CATS VISIBILITY TO 1 MILE.

CHART NOTE: NIGHT LANDING RWY'S 9 AND 27 NOT AUTHORIZED.



CITY AND STATE

STUTTGART, AR

ELEVATION: 224

TDZE: 224

AIRPORT NAME:

STUTTGART MUNICIPAL CARL HUMPHREY
FIELD

FACILITY
IDENTIFIER:
I-TTL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 36, ORIG-C

22 JUNE 2017

SUP:

AMDT: ORIG-B

DATED: 04/28/2016

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: RW09 CLIMB TO 2000 DIRECT WEGAV AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 270.00 INBOUND. CHART FAS OBST: 334 100' TREE 343625N/0913650W CHART VDP AT 1.04 NM TO RW09. GEYSE TO RW09: 3.05/45.						
TAFTE	PIMAE (TF) (FB) (RNP 2.00)			197.71 / 10.57			2000								
PBF VOR/DME	RIDOC (TF) (FB) (RNP 2.00)			017.70 / 17.79			2000								
LIT VORTAC (IAF)	HINOX (NOPT) (TF) (FB) (RNP 1.00)			100.14 / 19.17			2000								
PIMAE (IAF)	HINOX (NOPT) (TF) (FB) (RNP 1.00)			179.73 / 5.00			2000								
RIDOC (IAF)	HINOX (NOPT) (TF) (FB) (RNP 1.00)			359.73 / 5.00			2000								
(SEE FORM 8260-10)															

1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)															
2. HOLD W HINOX, RT, 089.73 INBOUND, 2000 FT. IN LIEU OF PT (IAF)															
3. FAC: 089.80 FAF: GEYSE DIST FAF TO MAP: 5.06 THLD: 5.06															
4. MIN. ALT: HINOX 2000, GEYSE 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: RW09 2500															
										MAG VAR: 2E			EPOCH YEAR: 2000		

MINIMUMS															
TAKEOFF: 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	600	1	378	600	1	378	600	1	378	600	1 1/4	378			
CIRCLING	660	1	436	680	1	456	680	1 1/2	456	780	2	556			

NOTES:

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING AND INCREASE ALL MDAS 100 FEET.

CHART NOTE: VDP NA WHEN USING BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING.

(CONTINUED ON PAGE 2)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

QUALITY
19
CHECKED

CITY AND STATE	ELEVATION: 224 TDZE: 222	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
STUTTGART, AR	AIRPORT NAME:		RNAV (GPS) RWY 9, ORIG-C	AMDT: ORIG-B
	STUTTGART MUNICIPAL CARL HUMPHREY FIELD		22 JUNE 2017	DATED 04/28/2016

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HINOX (IF/IAF)	GEYSE (TF) (FB) (RNP 1.00)	089.73 / 6.01	1900
GEYSE (FAF)	RW09 (MAP) (TF) (FO) (RNP 0.30)	089.80 / 5.06	
RW09 (MAP)	600 MSL (CA)	089.80	
600 MSL	WEGAV (DF) (FO) (RNP 1.00)		2000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PBF VOR/DME AIRWAYS RADIALS 034 CLOCKWISE 068.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LIT VORTAC ON V54 WESTBOUND.

QUALITY
19
CHECKED

CITY AND STATE
STUTT GART, AR

ELEVATION: 224 TDZE: 222
AIRPORT NAME:
STUTT GART MUNICIPAL CARL HUMPHREY
FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 9, ORIG-C
22 JUNE 2017

SUP:
AMDT: ORIG-B
DATED: 04/28/2016

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		LPV: DA LNAV/VNAV: DA LNAV: RW18 CLIMB TO 2000 DIRECT HOGOM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 359.86 INBOUND. CHART 250 UTILITY POLE 343642N/0913450W CHART FAS OBST: 451 TOWER 343856N/0913319W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.11 NM TO RW18* *LNAV ONLY. WAAS CHANNEL # 58303 REFERENCE PATH ID: W18A LTP HAE: 40.4 M						
LIT VORTAC	NIBIC (TF) (FB) (RNP 2.00)			072.67 / 26.04			2000								
HILLE	WILUS (TF) (FB) (RNP 2.00)			221.51 / 26.29			2000								
DRAST	WILUS (TF) (FB) (RNP 2.00)			346.14 / 9.62			2000								
NIBIC (IAF)	ZEDUK (NOPT) (TF) (FB) (RNP 1.00)			089.78 / 5.00			2000								
WILUS (IAF)	ZEDUK (NOPT) (TF) (FB) (RNP 1.00)			269.90 / 5.00			2000								
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N ZEDUK, RT, 179.86 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 179.86 FAF: TOCOK DIST FAF TO MAP: 5.06 THLD: 5.06 4. MIN. ALT: ZEDUK 2000, TOCOK 1900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1900 GS ALT AT: TOCOK OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: RW18 2500															
										MAG VAR: 2E			EPOCH YEAR: 2000		
MINIMUMS															
TAKEOFF: 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	474	1	250	474	1	250	474	1	250	474	1	250			
LNAV/VNAV DA	520	3/4	296	520	3/4	296	520	3/4	296	520	1	296			
LNAV MDA	620	3/4	396	620	3/4	396	620	3/4	396	620	1 1/4	396			
CIRCLING	660	1	436	680	1	456	680	1 1/2	456	780	2	556			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTES: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING AND INCREASE ALL DAS 82 FEET AND ALL MDAS 100 FEET. BARO-VNAV NOT (CONTINUED ON PAGE 2)															
CITY AND STATE			ELEVATION: 224 TDZE: 224			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:			
STUTTGART, AR			AIRPORT NAME:						RNAV (GPS) RWY 18, AMDT 1B			AMDT: 1A			
			STUTTGART MUNICIPAL CARL HUMPHREY FIELD						22 JUNE 2017			DATED 07/31/2008			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZEDUK (IF/IAF)	TOCOK (TF) (FB) (RNP 1.00)	179.86 / 6.01	1900
TOCOK (FAF)	RW18 (MAP) (TF) (FO) (RNP 0.30)	179.86 / 5.06	
RW18 (MAP)	474 MSL (CA)	179.86	
474 MSL	HOGOM (DF) (FO) (RNP 1.00)		2000

NOTES, (CONT.):

AUTHORIZED WHEN USING BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING.

CHART NOTE: VDP NOT AUTHORIZED WHEN USING BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT DRAST VIA V47 SOUTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LIT VORTAC VIA V305 SOUTHWEST BOUND.



CITY AND STATE

STUTTGART, AR

ELEVATION: 224

TDZE: 224

AIRPORT NAME:

STUTTGART MUNICIPAL CARL HUMPHREY
FIELDFACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, AMDT 1B

22 JUNE 2017

SUP:

AMDT: 1A

DATED: 07/31/2008

**RNAV 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	KSGT
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	343615.0500N
LTP/FTP LONGITUDE	0913442.5210W
LTP/FTP ELLIPSOIDAL HEIGHT	+00404
FPAP LATITUDE	343445.8500N
FPAP LONGITUDE	0913446.0200W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

<u>CRC REMAINDER</u>	D9FFAE5C
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00671
FPAP ORTHOMETRIC HEIGHT	+00671

QUALITY
19
CHECKED

CITY AND STATE STUTTGART, AR	ELEVATION: 224 AIRPORT NAME: STUTTGART MUNICIPAL CARL HUMPHREY FIELD	TDZE: 224	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, AMDT 1B 22 JUNE 2017	SUP:
					AMDT: 1A
					DATED: 07/31/2008

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE			LNAV: RW27									
PBF VOR/DME			CISAX (TF) (FB) (RNP 2.00)			058.96 / 33.13			2000			CLIMB TO 2000 DIRECT HINOX AND HOLD.									
CISAX (IAF)			WEGAV (NOPT) (TF) (FB) (RNP 1.00)			360.00 / 5.00			2000												
UJM VOR/DME (IAF)			WEGAV (NOPT) (TF) (FB) (RNP 1.00)			270.51 / 32.93			2000												
AGOTE (IAF)			WEGAV (NOPT) (TF) (FB) (RNP 1.00)			214.72 / 24.04			2000												
WEGAV (IF/IAF)			HONAM (TF) (FB) (RNP 1.00)			270.00 / 6.02			1900			ADDITIONAL FLIGHT DATA: HOLD W, RT, 089.73 INBOUND. CHART FAS OBST: 329 TREE 343604N/0913349W CHART VDP AT 0.98 NM TO RW27. HONAM TO RW27: 3.05/45									
(SEE FORM 8260-10)																					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																					
2. HOLD E WEGAV, RT, 270.00 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																					
3. FAC: 269.92 FAF: HONAM DIST FAF TO MAP: 5.06 THLD: 5.06																					
4. MIN. ALT: WEGAV 2000, HONAM 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: RW27 2500												MAG VAR: 2E			EPOCH YEAR: 2000						
MINIMUMS																					
TAKEOFF: 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	580	1	358	580	1	358	580	1	358	580	1	358									
CIRCLING	660	1	436	680	1	456	680	1 1/2	456	780	2	556									
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET. CHART NOTE: VDP NA WHEN USING BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING. (CONTINUED ON PAGE 2)																					
CITY AND STATE STUTTGART, AR			ELEVATION: 224 TDZE: 222 AIRPORT NAME: STUTTGART MUNICIPAL CARL HUMPHREY FIELD			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 1C 22 JUNE 2017						SUP: AMDT: 1B DATED 04/28/2016						



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HONAM (FAF)	RW27 (MAP) (TF) (FO) (RNP 0.30)	269.92 / 5.06	
RW27 (MAP)	580 MSL (CA)	269.92	
580 MSL	HINOX (DF) (FO) (RNP 1.00)		2000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON UJM VOR/DME AIRWAY RADIALS 252 CW 274.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PBF VOR/DME AIRWAY RADIALS 034 CW 068.

QUALITY
19
CHECKED

CITY AND STATE

STUTTGART, AR

ELEVATION: 224

TDZE: 222

AIRPORT NAME:

STUTTGART MUNICIPAL CARL HUMPHREY
FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, AMDT 1C

22 JUNE 2017

SUP:

AMDT: 1B

DATED: 04/28/2016

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.						
TERMINAL ROUTES														MISSED APPROACH						
FROM				TO			COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV: RW36							
PBF VOR/DME				OKIYO (TF) (FB) (RNP 2.00)			049.23 / 15.23				2000		CLIMB TO 2000 DIRECT ZEDUK AND HOLD.							
OKIYO (IAF)				HOGOM (NOPT) (TF) (FB) (RNP 1.00)			089.80 / 5.00				2000									
KIYEL (IAF)				HOGOM (NOPT) (TF) (FB) (RNP 1.00)			269.99 / 11.19				2000									
HOGOM (IF/IAF)				LAYIS (TF) (FB) (RNP 1.00)			359.86 / 6.02				1900									
LAYIS (FAF)				MAVRE/3.00 NM TO RW36 (TF) (FB) (RNP 0.30)			359.86 / 2.04						ADDITIONAL FLIGHT DATA: HOLD N, RT, 179.86 INBOUND. CHART FAS OBST: 329 TREE 343452N/0913415W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 1.09 NM TO RW36* *LNAV ONLY. WAAS CHANNEL # 97311 REFERENCE PATH ID: W36A LTP HAE: 41.3 M							
(SEE FORM 8260-10)																				
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 2E EPOCH YEAR: 2000						
2. HOLD S HOGOM, RT, 359.86 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																				
3. FAC: 359.86 FAF: LAYIS DIST FAF TO MAP: 5.04 THLD: 5.04																				
4. MIN. ALT: HOGOM 2000, LAYIS 1900, MAVRE/3.00 NM TO RW36 1220*																				
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																				
6. MIN GS INCPT: 1900 GS ALT AT: LAYIS OM: _____ MM: _____ IM: _____																				
7. GS ANGLE: 3.00 TCH: 49.5 34:1 IS NOT CLEAR																				
8. MSA FROM: RW36 2500																				
MINIMUMS																				
TAKEOFF: 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	474	3/4	250	474	3/4	250	474	3/4	250	474	3/4	250								
LNAV MDA	620	3/4	396	620	3/4	396	620	3/4	396	620	1 1/4	396								
CIRCLING	660	1	436	680	1	456	680	1 1/2	456	780	2	556								
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING AND INCREASE LPV DA TO 556 AND ALL VISIBILITIES 1/8 MILE, INCREASE ALL MDA 100 FEET. (CONTINUED ON PAGE 2)																				
CITY AND STATE STUTTGART, AR				ELEVATION: 224 TDZE: 224 AIRPORT NAME: STUTTGART MUNICIPAL CARL HUMPHREY FIELD				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1C 22 JUNE 2017						SUP: AMDT: 1B DATED 04/28/2016				

QUALITY
19
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MAVRE/3.00 NM TO RW36	RW36 (MAP) (TF) (FO) (RNP 0.30)	359.86 / 3.00	
RW36 (MAP)	474 MSL (CA)	359.86	
474 MSL	ZEDUK (DF) (FO) (RNP 1.00)		2000

NOTES, (CONT.):

CHART NOTE: FOR INOP MALSF WHEN USING BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 1/8 MILE.
CHART NOTE: VDP NA WHEN USING BILL AND HILLARY CLINTON NATIONAL/ADAMS FIELD ALTIMETER SETTING.

QUALITY
19
CHECKED

CITY AND STATE
STUTT GART, AR

ELEVATION: 224 TDZE: 224
AIRPORT NAME:
STUTT GART MUNICIPAL CARL HUMPHREY
FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 36, AMDT 1C
22 JUNE 2017

SUP:
AMDT: 1B
DATED: 04/28/2016

**RNAV 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	KSGT
RUNWAY	RW36
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W36A
LTP/FTP LATITUDE	343515.5845N
LTP/FTP LONGITUDE	0913444.8485W
LTP/FTP ELLIPSOIDAL HEIGHT	+00412
FPAP LATITUDE	343615.4200N
FPAP LONGITUDE	0913442.5000W
THRESHOLD CROSSING HEIGHT (TCH)	00049.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	107.25
LENGTH OFFSET	0008
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 3DAE575B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00679
FPAP ORTHOMETRIC HEIGHT	+00679



CITY AND STATE STUTTGART, AR	ELEVATION: 224 AIRPORT NAME: STUTTGART MUNICIPAL CARL HUMPHREY FIELD	TDZE: 224	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, AMDT 1C 22 JUNE 2017	SUP:
					AMDT: 1B
					DATED: 04/28/2016

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
STUTTGART, AR	STUTTGART MUNICIPAL CARL HUMPHREY FIELD	22 JUNE 2017	ORIG-A

TAKEOFF MINIMUMS:

RWY 9, 18, 27, 36 STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 18, TREE 108 FT FROM DER, 286 FT RIGHT OF CENTERLINE, UP TO 9 FT AGL/227 FT MSL.

NOTE: RWY 27, TREE 188 FT FROM DER, 152 FT LEFT OF CENTERLINE, 7 FT AGL/227 FT MSL.

CONTROLLING OBSTACLES:

REMARKS:

FLIGHT INSPECTED BY:

KENNETH E JACK

Digitally signed by

ALLAN WILL

May 02, 2017

OFFICE SYMBOL:

FICO

DATE:

03/17/2017

DEVELOPED BY:

ROBERT W. COOK

ROBERT W COOK

Digitally signed by ROBERT W COOK
Date: 2017.02.27 09:08:31 -06'00'

OFFICE SYMBOL:

AJV-5411

DATE:

APPROVED BY:

GEORGE E. DAVIS

Digitally signed by

ALLAN WILL

May 02, 2017

OFFICE SYMBOL:

AJV-5410

DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
☒	☒	☒	☒	☐	☒

OTHER:

ZME, LIT APP CON, AR AERO, AMGR

CHANGES - REASONS:

1. AIRPORT NAME CHANGED-AMGR REQUEST.



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
CONCORD, CA	BUCHANAN FIELD	22 JUNE 2017	3

TAKEOFF MINIMUMS:

RWY 1L, 1R, STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 1000 OR 3700-3 FOR VCOA.

RWY 14L, 14R, STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 2700 OR 3700-3 FOR VCOA.

RWY 19L, 19R, STANDARD WITH MINIMUM CLIMB OF 490 FT PER NM TO 3900 OR 3700-3 FOR VCOA.

RWY 32L, 32R, STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 1000 OR 3700-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 1L, 1R, 14L, 14R, 19L, 19R: CLIMBING LEFT TURN DIRECT CCR VOR/DME, THENCE...

RWY 32L, 32R: CLIMBING RIGHT TURN DIRECT CCR VOR/DME, THENCE...

...AIRCRAFT DEPARTING ON CCR VOR/DME R-150 CLOCKWISE R-110, CLIMB ON COURSE. ALL OTHERS, CLIMB IN CCR VOR/DME HOLDING PATTERN (HOLD N, LEFT TURNS, 191.00 INBOUND) TO CROSS CCR VOR/DME AT OR ABOVE 3400 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

ALL RWYS: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS BUCHANON FIELD AIRPORT AT OR ABOVE 3600 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1L, FENCE 116 FT FROM DER, 1 FT RIGHT OF CENTERLINE, 29 FT MSL. BUILDING 639 FT FROM DER, 381 FT RIGHT OF CENTERLINE, 25 FT AGL/48 FT MSL. VEGETATION 675 FT FROM DER, 96 FT LEFT OF CENTERLINE, 38 FT MSL. TREE AND POLES BEGINNING 1261 FT FROM DER, 19 FT RIGHT OF CENTERLINE, UP TO 78 FT MSL. FLAGPOLE 1520 FT FROM DER, 753 FT LEFT OF CENTERLINE, 71 FT MSL. TREE, CAMERA, AND GENERAL UTILITY BEGINNING 1860 FT FROM DER, 48 FT RIGHT OF CENTERLINE, UP TO 98 FT MSL. POLE 1906 FT FROM DER, 120 FT LEFT OF CENTERLINE, 51 FT AGL/72 FT MSL. SIGN 1996 FT FROM DER, 812 FT LEFT OF CENTERLINE, 78 FT MSL. TREE 2392 FT FROM DER, 8 FT LEFT OF CENTERLINE, 83 FT MSL.

NOTE: RWY 1R, POLE 1551 FT FROM DER, 97 FT RIGHT OF CENTERLINE, 43 FT AGL/67 FT MSL. POLE 1864 FT FROM DER, 357 FT RIGHT OF CENTERLINE, 96 FT MSL. TREE 1927 FT FROM DER, 222 FT RIGHT OF CENTERLINE, 131 FT MSL. TREE 2110 FT FROM DER, 981 FT RIGHT OF CENTERLINE, 133 FT MSL.

NOTE: RWY 14L, VEHICLES ON ROAD AND FENCES BEGINNING 82 FT FROM DER, 29 FT LEFT OF CENTERLINE, UP TO 40 FT MSL. BUILDING AND TREES BEGINNING 731 FT FROM DER, 191 FT LEFT OF CENTERLINE, UP TO 51 FT MSL. TREES AND BUILDINGS BEGINNING 840 FT FROM DER, 93 FT LEFT OF CENTERLINE, UP TO 77 FT MSL. TREES, POLES, AND BUILDINGS BEGINNING 942 FT FROM DER, 13 FT LEFT OF CENTERLINE, UP TO 102 FT MSL. TREES, BUILDINGS, AND POLES BEGINNING 1116 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/71 FT MSL. TREE 1465 FT FROM DER, 112 FT RIGHT OF CENTERLINE, 73 FT MSL. TREES BEGINNING 1496 FT FROM DER, 121 FT RIGHT OF CENTERLINE, UP TO 84 FT MSL. TREES BEGINNING 1648 FT FROM DER, 62 FT RIGHT OF CENTERLINE, UP TO 91 FT MSL. TREES AND BUILDING BEGINNING 1750 FT FROM DER, 30 FT LEFT OF CENTERLINE, UP TO 105 FT MSL. TREE 2570 FT FROM DER, 93 FT RIGHT OF CENTERLINE, 92 FT MSL. BUILDINGS BEGINNING 5413 FT FROM DER, 99 FT LEFT OF CENTERLINE, UP TO 177 FT MSL. BUILDING 5456 FT FROM DER, 138 FT LEFT OF CENTERLINE, 146 FT AGL/179 FT MSL.

NOTE: RWY 14R, WINDSOCK 411 FT FROM DER, 451 FT RIGHT OF CENTERLINE, 31 FT AGL/51 FT MSL. CONTROL TOWER 1140 FT FROM DER, 315 FT RIGHT OF CENTERLINE, 61 FT AGL/84 FT MSL. ELECTRICAL SYSTEM, TREE, POLE, AND ANTENNA BEGINNING 1140 FT FROM DER, 167 FT RIGHT OF CENTERLINE, UP TO 98 FT MSL. TREE 2744 FT FROM DER, 886 FT LEFT OF CENTERLINE, 102 FT MSL. BUILDING 3149 FT FROM DER, 946 FT RIGHT OF CENTERLINE, 92 FT AGL/125 FT MSL. BUILDINGS BEGINNING 3253 FT FROM DER, 846 FT RIGHT OF CENTERLINE, UP TO 103 FT AGL/136 FT MSL.

NOTE: RWY 19L, TREE 2132 FT FROM DER, 376 FT LEFT OF CENTERLINE, 90 FT MSL. TREE 2257 FT FROM DER, 27 FT LEFT OF CENTERLINE, 97 FT MSL. TREE 2543 FT FROM DER, 384 FT RIGHT OF CENTERLINE, 87 FT MSL. TREE 3111 FT FROM DER, 946 FT RIGHT OF CENTERLINE, 106 FT MSL.

NOTE: RWY 19R, TERRAIN 43 FT FROM DER, 397 FT LEFT OF CENTERLINE, 25 FT MSL. FENCE 123 FT FROM DER, 502 FT LEFT OF CENTERLINE, 30 FT MSL. TREE 603 FT FROM DER, 489 FT RIGHT OF CENTERLINE, 44 FT MSL. POLE AND TREES BEGINNING 844 FT FROM DER, 152 FT RIGHT OF CENTERLINE, UP TO 94 FT MSL. TREE 1023 FT FROM DER, 81 FT LEFT OF CENTERLINE, 59 FT MSL. POLE AND TREES BEGINNING 1201 FT FROM DER, 568 FT LEFT OF CENTERLINE, UP TO 77 FT MSL. BUILDING AND TREES BEGINNING 1275 FT FROM DER, 114 FT LEFT OF CENTERLINE, UP TO 97 FT MSL. TREE 2129 FT FROM DER, 447 FT RIGHT OF CENTERLINE, 106 FT MSL. TREE 2755 FT FROM DER, 216 FT LEFT OF CENTERLINE, 108 FT MSL.

QUALITY
11
CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
CONCORD, CA	BUCHANAN FIELD	22 JUNE 2017	3

NOTE: RWY 32L, BUILDING 7 FT FROM DER, 321 FT LEFT OF CENTERLINE, 18 FT AGL/35 FT MSL. VEHICLES ON ROAD AND HANGAR BEGINNING 259 FT FROM DER, 300 FT LEFT OF CENTERLINE, UP TO 37 FT MSL. VEHICLES ON ROAD BEGINNING 560 FT FROM DER, 3 FT RIGHT OF CENTERLINE, UP TO 34 FT MSL. VEHICLES ON ROAD 627 FT FROM DER, 609 FT LEFT OF CENTERLINE, 38 FT MSL. VEHICLES ON ROAD BEGINNING 631 FT FROM DER, 63 FT LEFT OF CENTERLINE, UP TO 38 FT MSL. BUILDING 633 FT FROM DER, 253 FT RIGHT OF CENTERLINE, 17 FT AGL/35 FT MSL. VEHICLES ON ROAD 699 FT FROM DER, 8 FT RIGHT OF CENTERLINE, 38 FT MSL. VEHICLES ON ROAD BEGINNING 715 FT FROM DER, 37 FT RIGHT OF CENTERLINE, UP TO 39 FT MSL. VEHICLES ON ROAD BEGINNING 720 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 39 FT MSL. VEHICLES ON ROAD BEGINNING 730 FT FROM DER, 137 FT RIGHT OF CENTERLINE, UP TO 40 FT MSL. VEHICLES ON ROAD BEGINNING 751 FT FROM DER, 216 FT RIGHT OF CENTERLINE, UP TO 41 FT MSL. VEHICLES ON ROAD BEGINNING 792 FT FROM DER, 493 FT RIGHT OF CENTERLINE, UP TO 42 FT MSL. VEHICLES ON ROAD BEGINNING 798 FT FROM DER, ON CENTERLINE, UP TO 42 FT MSL. TREE 824 FT FROM DER, 135 FT LEFT OF CENTERLINE, 40 FT MSL. VEHICLES ON ROAD BEGINNING 891 FT FROM DER, 488 FT RIGHT OF CENTERLINE, UP TO 43 FT MSL. VEHICLES ON ROAD 920 FT FROM DER, 642 FT RIGHT OF CENTERLINE, 44 FT MSL. TRANSMISSION TOWERS BEGINNING 6014 FT FROM DER, 1332 FT LEFT OF CENTERLINE, UP TO 173 FT MSL. TANK 1 NM FROM DER, 1927 FT RIGHT OF CENTERLINE, 213 FT MSL. CHIMNEY 1.4 NM FROM DER, 2458 FT RIGHT OF CENTERLINE, 355 FT AGL/378 FT MSL. REFINERY 1.6 NM FROM DER, 2934 FT RIGHT OF CENTERLINE, 308 FT AGL/322 FT MSL.

NOTE: RWY 32R, TERRAIN 81 FT FROM DER, 481 FT RIGHT OF CENTERLINE, 21 FT MSL. VEHICLES ON ROAD 559 FT FROM DER, 3 FT RIGHT OF CENTERLINE, 34 FT MSL. VEHICLES ON ROAD 585 FT FROM DER, 496 FT LEFT OF CENTERLINE, 34 FT MSL. BUILDING 632 FT FROM DER, 246 FT LEFT OF CENTERLINE, 35 FT MSL. BUILDING 653 FT FROM DER, 236 FT RIGHT OF CENTERLINE, 41 FT MSL. FLAGPOLE, SIGNS, AND VEHICLES ON ROAD BEGINNING 654 FT FROM DER, 55 FT RIGHT OF CENTERLINE, UP TO 21 FT AGL/43 FT MSL. VEHICLES ON ROAD BEGINNING 677 FT FROM DER, 491 FT LEFT OF CENTERLINE, UP TO 38 FT MSL. VEHICLES ON ROAD BEGINNING 714 FT FROM DER, 374 FT LEFT OF CENTERLINE, UP TO 39 FT MSL. VEHICLES ON ROAD BEGINNING 730 FT FROM DER, 243 FT LEFT OF CENTERLINE, UP TO 40 FT MSL. VEHICLES ON ROAD AND TREES BEGINNING 750 FT FROM DER, 6 FT LEFT OF CENTERLINE, UP TO 41 FT MSL. VEHICLES ON ROAD BEGINNING 820 FT FROM DER, 285 FT RIGHT OF CENTERLINE, UP TO 45 FT MSL. VEHICLES ON ROAD BEGINNING 824 FT FROM DER, 234 FT RIGHT OF CENTERLINE, UP TO 47 FT MSL. VEHICLES ON ROAD 828 FT FROM DER, 624 FT RIGHT OF CENTERLINE, 48 FT MSL. VEHICLES ON ROAD BEGINNING 829 FT FROM DER, ON CENTERLINE, UP TO 50 FT MSL. VEHICLES ON ROAD BEGINNING 867 FT FROM DER, 43 FT LEFT OF CENTERLINE, UP TO 42 FT MSL. VEHICLES ON ROAD 899 FT FROM DER, 11 FT LEFT OF CENTERLINE, 43 FT MSL. VEHICLES ON ROAD BEGINNING 932 FT FROM DER, 269 FT RIGHT OF CENTERLINE, UP TO 52 FT MSL. AGRICULTURAL EQUIPMENT 2109 FT FROM DER, 600 FT RIGHT OF CENTERLINE, 78 FT AGL/99 FT MSL. POLE 3700 FT FROM DER, 1431 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/150 FT MSL. POLE 4067 FT FROM DER, 1531 FT RIGHT OF CENTERLINE, 43 FT AGL/161 FT MSL. TANK 4527 FT FROM DER, 1675 FT RIGHT OF CENTERLINE, 57 FT AGL/170 FT MSL. TRANSMISSION TOWER 6013 FT FROM DER, 1840 FT LEFT OF CENTERLINE, 173 FT MSL. TANK 1 NM FROM DER, 1423 FT RIGHT OF CENTERLINE, 126 FT AGL/213 FT MSL. CHIMNEY 1.4 NM FROM DER, 1954 FT RIGHT OF CENTERLINE, 355 FT AGL/378 FT MSL. REFINERY 1.6 NM FROM DER, 2429 FT RIGHT OF CENTERLINE, 308 FT AGL/322 FT MSL.

CONTROLLING OBSTACLES:

RWY 1L, 1R: 738 FT MSL TRANSMISSION LINE TOWER 380201.04N/1220104.33W.

RWY 14L, 14R: 1991 FT MSL AAO 375444.00N/1215732.35W.

RWY 19L, 19R: 2959 FT MSL AAO 375307.20N/1215639.00W.

RWY 32L, 32R: 738 FT MSL TRANSMISSION LINE TOWER 380201.04N/1220104.33W.

ALL RWYS (VCOA): 1038 FT MSL AAO 375657.90N/1220711.45W (VCA). 4079 FT MSL AAO 375254.10N/1215451.55W (DIVERSE).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 1L, 1R, 14L, 14R, 19L, 19R, 32L, 32R: 4079 FT MSL AAO 375254.10N/1215451.55W.



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
CONCORD, CA	BUCHANAN FIELD	22 JUNE 2017	3

REMARKS:

1. RWY 1L CLIMB GRADIENT ROUNDED UP TO 330 FT PER NM FOR PUBLICATION (COMPUTED VALUE 326 FT PER NM).
2. RWY 1R CLIMB GRADIENT ROUNDED UP TO 330 FT PER NM FOR PUBLICATION (COMPUTED VALUE 307 FT PER NM).
3. RWY 14L CLIMB GRADIENT ROUNDED UP TO 420 FT PER NM FOR PUBLICATION (COMPUTED VALUE 419 FT PER NM).
4. RWY 14R CLIMB GRADIENT ROUNDED UP TO 420 FT PER NM FOR PUBLICATION (COMPUTED VALUE 400 FT PER NM).
5. RWY 19L CLIMB GRADIENT ROUNDED UP TO 490 FT PER NM FOR PUBLICATION (COMPUTED VALUE 487 FT PER NM).
6. RWY 19R CLIMB GRADIENT ROUNDED UP TO 490 FT PER NM FOR PUBLICATION (COMPUTED VALUE 486 FT PER NM).
7. RWY 32L CLIMB GRADIENT ROUNDED UP TO 330 FT PER NM FOR PUBLICATION (COMPUTED VALUE 329 FT PER NM).
8. RWY 32R CLIMB GRADIENT ROUNDED UP TO 330 FT PER NM FOR PUBLICATION (COMPUTED VALUE 322 FT PER NM).
9. NO PRECIPITOUS TERRAIN IDENTIFIED IN VCA CLIMB AREA.

FLIGHT INSPECTED BY:	<i>Digitally signed by</i> ROBERT G HAMILTON Apr 06, 2017	OFFICE SYMBOL: FICO	DATE: 02/02/2017
JAMES M MEEK			

DEVELOPED BY:	<i>Digitally signed by</i> PETER R GUIMOND Oct 11, 2016	OFFICE SYMBOL: AJV-5422	DATE: 10/11/2016
PETER GUIMOND			

APPROVED BY:	<i>Digitally signed by</i> ROBERT G HAMILTON Apr 06, 2017	OFFICE SYMBOL: AJV-5420	DATE:
TONY LAWSON			

REQUIRED EFFECTIVE DATE:

ROUTINE.



COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
☐	☒	☒	☐	☐	☒

OTHER:

ZOA, SUU APP CON, CCR ATCT, AMGR.

CHANGES - REASONS:

1. MOVED VCOA TEXT TO VISUAL CLIMB OVER AIRPORT BLOCK - IN ACCORDANCE WITH FAAO 8260.46F, APPENDIX D, SECTION 1, PARA 8.
2. AMENDED VCOA INSTRUCTIONS FROM CLIMB IN VISUAL CONDITIONS TO CROSS BUCHANAN AIRPORT NORTHBOUND AT OR ABOVE 2100 VIA CCR R-173 TO CCR VOR/DME, THENCE AIRCRAFT DEPARTING CCR VOR/DME R-150 CLOCKWISE R-110 CLIMB ON COURSE. ALL OTHERS CLIMB IN CCR VOR/DME HOLDING PATTERN (HOLD N, LEFT TURNS, 191.00 INBOUND) TO CROSS CCR VOR/DME AT OR ABOVE 2700 FEET BEFORE PROCEEDING ON COURSE TO READ OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS BUCHANAN FIELD AIRPORT AT OR ABOVE 3600 BEFORE PROCEEDING ON COURSE - CRITERIA DOES NOT EXIST TO EVALUATE A CLIMB-IN-HOLD IN CONJUNCTION WITH A VCOA SO A DIVERSE VCOA WAS ESTABLISHED. VCOA INSTRUCTIONS FORMATTED IN ACCORDANCE WITH FAAO 8260.46F, APPENDIX D, SECTION 1, PARA 8.
3. AMENDED RWY 1L, 1R TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 360 FT PER NM TO 1100 OR 2200-3 FOR CLIMB IN VISUAL CONDITIONS TO STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 1000 OR 3700-3 FOR VCOA - NEW OBSTACLE STUDY. VCOA MINIMUMS INCREASED TO REFLECT UPDATED VCOA INSTRUCTIONS.
4. AMENDED RWY 1L, 1R DEPARTURE INSTRUCTIONS FROM CLIMB DIRECT CCR VOR/DME, THENCE TO READ CLIMBING LEFT TURN DIRECT CCR VOR/DME THENCE - TURN TO CCR VOR/DME COULD EXCEED 15 DEGREES DEPENDING ON WHERE AIRCRAFT REACH 400 AGL.
5. AMENDED RWY 14L, 14R TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 2700 OR 2200-3 FOR CLIMB IN VISUAL CONDITIONS TO STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 2700 OR 3700-3 FOR VCOA - VCOA MINIMUMS INCREASED TO REFLECT UPDATED VCOA INSTRUCTIONS.
6. AMENDED RWY 19L, 19R TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 490 FT PER NM TO 4000 OR 2200-3 FOR CLIMB IN VISUAL CONDITIONS TO STANDARD WITH MINIMUM CLIMB OF 4900 FT PER NM TO 3900 OR 3700-3 FOR VCOA - NEW OBSTACLE STUDY. VCOA MINIMUMS INCREASED TO REFLECT UPDATED VCOA INSTRUCTIONS.
7. AMENDED RWY 32L, 32R TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 500 OR 2200-3 FOR CLIMB IN VISUAL CONDITIONS TO STANDARD WITH MINIMUM CLIMB OF 330 FT PER NM TO 1000 OR 3700-3 FOR VCOA - NEW OBSTACLE STUDY. VCOA MINIMUMS INCREASED TO REFLECT UPDATED VCOA INSTRUCTIONS.
8. INCREASED CLIMB-IN-HOLD TERMINATION ALTITUDE FOR AIRCRAFT DESIRING TO PROCEED ON CCR VOR/DME R-110 CW R-150 FROM 2700

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
CONCORD, CA	BUCHANAN FIELD	22 JUNE 2017	3

MSL TO 3400 MSL - NEW OBSTACLE STUDY.

9. AMENDED CONTROLLING OBSTACLES FOR ALL RUNWAYS - NEW OBSTACLE STUDY. FORMATTED IN ACCORDANCE WITH FAAO 8260.46F, APPENDIX D, SECTION 1, PARA 10.

10. ADDED VCOA CONTROLLING OBSTACLES FOR ALL RUNWAYS - NEW OBSTACLE STUDY. FORMATTED IN ACCORDANCE WITH FAAO 8260.46F, APPENDIX D, SECTION 1, PARA 10.

11. ADDED OBSTACLES MANDATING ODP ROUTE DEVELOPMENT - FORMATTED IN ACCORDANCE WITH FAAO 8260.46F, APPENDIX D, SECTION 1, PARA 10.

12. AMENDED TAKEOFF OBSTACLE NOTES FOR ALL RUNWAYS - IN ACCORDANCE WITH FAAO 8260.46F, APPENDIX D, SECTION 1, PARA 9. GROUPED AND FORMATTED IN ACCORDANCE WITH DEPARTURE OBSTACLES GROUPER (1.0) STANDARD OPERATING PROCEDURE.

QUALITY
11
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - 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									
										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: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 22 JUNE 2017																			
CITY AND STATE GRASS VALLEY, CA			ELEVATION: 3152 TDZE: 3128 AIRPORT NAME: NEVADA COUNTY AIR PARK			FACILITY IDENTIFIER: GPS		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: GPS RWY 7, ORIG-A, 12/08/2016					SUP AMDT ORIG DATE 03/27/1997						



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW02 CLIMB TO 650 THEN CLIMBING RIGHT TURN TO 6000 DIRECT MRGGO AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6000. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 304.46 INBOUND. CHART FAS OBST: 253 TREE 392845N/1213805W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 0.93 NM TO RW02* *LNAV ONLY. WAAS CHANNEL # 49026 REFERENCE PATH ID: W02A CHART CIRCLING ICON. LTP HAE: 27.3 M									
MRGGO		ESVOW (TF) (FO) (RNP 2.00)		267.38 / 23.56		3600											
YUBBA (IAF)		ESVOW (NOPT) (TF) (FB) (RNP 1.00)		343.65 / 11.29		3600											
ESVOW (IF/IAF)		IXACE (TF) (FB) (RNP 1.00)		016.88 / 6.00		2100											
IXACE (FAF)		VIGCE/1.90 NM TO RW02 (TF) (FB) (RNP 0.30)		016.93 / 4.00													
VIGCE/1.90 NM TO RW02		RW02 (MAP) (TF) (FO) (RNP 0.30)		016.93 / 1.90													
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 16E EPOCH YEAR: 1990							
2. HOLD S ESVOW, RT, 016.88 INBOUND, 3600 FT. IN LIEU OF PT (IAF)																	
3. FAC: 016.93 FAF: IXACE DIST FAF TO MAP: 5.90 THLD: 5.90																	
4. MIN. ALT: ESVOW 3600, IXACE 2100, VIGCE/1.90 NM TO RW02 820*																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: 2100 GS ALT AT: IXACE 2100 OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR																	
8. MSA FROM: RW02 7400																	
MINIMUMS																	
TAKEOFF: 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	432	7/8	250	432	7/8	250	432	7/8	250	432	7/8	250					
LNAV/VNAV DA	432	7/8	250	432	7/8	250	432	7/8	250	432	7/8	250					
LNAV MDA	520	1	338	520	1	338	520	1	338	520	1	338					
CIRCLING	580	1	386	660	1	466	660	1 1/2	466	780	2	586					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -2C (29F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA NE OF RWY 13-31. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MRGGO ON V332 SOUTHEASTBOUND, AND ARRIVALS AT YUBBA ON V23 SOUTHBOUND.																	
CITY AND STATE OROVILLE, CA		ELEVATION: 194 TDZE: 182 AIRPORT NAME: OROVILLE MUNI		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 1 22 JUNE 2017						SUP: AMDT: ORIG-C DATED 10/15/2015					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW02 (MAP)	650 MSL (CA)	016.93	
650 MSL	MRGGO (DF) (FO) (RNP 1.00)		6000

QUALITY
18
CHECKED

CITY AND STATE
OROVILLE, CA

ELEVATION: 194 TDZE: 182
AIRPORT NAME:
OROVILLE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 2, AMDT 1
22 JUNE 2017

SUP:
AMDT: ORIG-C
DATED: 10/15/2015

**RNAV 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	KOVE
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	392843.8560N
LTP/FTP LONGITUDE	1213754.5110W
LTP/FTP ELLIPSOIDAL HEIGHT	+00273
FPAP LATITUDE	392958.6600N
FPAP LONGITUDE	1213651.8700W
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)	50.0

CRC REMAINDER

95FA246F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00553
FPAP ORTHOMETRIC HEIGHT	+00553

QUALITY
18
CHECKED

CITY AND STATE

OROVILLE, CA

ELEVATION: 194

TDZE: 182

AIRPORT NAME:

OROVILLE MUNI

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 1

22 JUNE 2017

SUP:

AMDT: ORIG-C

DATED: 10/15/2015

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
OROVILLE, CA	OROVILLE MUNI	06/22/2017	4

TAKEOFF MINIMUMS:

RWY 13, 20: STANDARD.

RWY 02: STANDARD WITH MINIMUM CLIMB 280 FT PER NM TO 1500 OR 1000-2 1/2 FOR VCOA.

RWY 31: 300-1 5/8 OR STANDARD WITH MINIMUM CLIMB 245 FT PER NM TO 600.

TEXTUAL DEPARTURE PROCEDURES:

RWY 02, 31: CLIMBING LEFT TURN TO 5000 ON HEADING 200 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE.

RWY 13, 20: CLIMBING RIGHT TURN TO 5000 ON HEADING 210 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

RWY 02: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS OROVILLE MUNICIPAL AIRPORT SOUTH-WESTBOUND AT OR ABOVE 1000, THEN DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 02, GRD 170 FT FROM DER, 475 FT RIGHT OF CENTERLINE, 189 FT MSL. GRD 191 FT FROM DER, 489 FT RIGHT OF CENTERLINE, 190 FT MSL. TREE 511 FT FROM DER, 600 FT LEFT OF CENTERLINE, 231 FT MSL. TREE 513 FT FROM DER, 603 FT LEFT OF CENTERLINE, 236 FT MSL. NAVAID 1143 FT FROM DER, 348 FT RIGHT OF CENTERLINE, 215 FT MSL. POLE 1364 FT FROM DER, 740 FT RIGHT OF CENTERLINE, 255 FT MSL. POLES BEGINNING 1365 FT FROM DER, 537 FT RIGHT OF CENTERLINE, UP TO 256 FT MSL.

NOTE: RWY 13, POLES BEGINNING 128 FT FROM DER, 292 FT RIGHT OF CENTERLINE, UP TO 29 FT AGL/203 FT MSL. VERTICAL STRUCTURE 177 FT FROM DER, 493 FT LEFT OF CENTERLINE, 184 FT MSL. VEHICLES ON ROAD 210 FT FROM DER, 515 FT LEFT OF CENTERLINE, 189 FT MSL. TREE 312 FT FROM DER, 554 FT LEFT OF CENTERLINE, 205 FT MSL.

NOTE: RWY 20, VEHICLES ON ROAD 819 FT FROM DER, 376 FT LEFT OF CENTERLINE, 203 FT MSL. POLES BEGINNING 902 FT FROM DER, 655 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/217 FT MSL.

NOTE: RWY 31, SIGN 32 FT FROM DER, 325 FT LEFT OF CENTERLINE, 195 FT MSL. GRD BEGINNING 109 FT FROM DER, 410 FT RIGHT OF CENTERLINE, UP TO 200 FT MSL. TREES BEGINNING 641 FT FROM DER, 621 FT LEFT OF CENTERLINE, UP TO 244 FT MSL. TREE 1380 FT FROM DER, 466 FT LEFT OF CENTERLINE, 264 FT MSL. T-L TOWER 1.3 NM FROM DER, 1826 FT RIGHT OF CENTERLINE, 144 FT AGL/444 FT MSL.

CONTROLLING OBSTACLES:

RWY 02: 960 FT MSL AAO 393255.40N/1213440.18W

RWY 31: 444 FT MSL T-L TOWER 393059.05N/1213751.22W.

VCOA: 600 FT MSL TREE 393150.00N/1213659.00W (VISUAL CLIMB AREA).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: 7379 FT MSL AAO 395618.00N/1211406.00W.

REMARKS:

FLIGHT INSPECTED BY: *Digitally signed by*
JOEL F. HAWKLEY **DION E LANCIA**
May 01, 2017

OFFICE SYMBOL: FICO
DATE: 04/19/2017

DEVELOPED BY: *Digitally signed by*
DANIEL OLSON (WILLIAM HANBY) **DION E LANCIA**
May 01, 2017

OFFICE SYMBOL: AJV-5423
DATE: 01/12/2017

APPROVED BY: *Digitally signed by*
JULIE MORGAN **DION E LANCIA**
May 01, 2017

OFFICE SYMBOL: AJV-5420
DATE:

REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
☐	☐	☒	☒	☐	☒

OTHER:

CHANGES - REASONS:
CHANGES:

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
OROVILLE, CA	OROVILLE MUNI	06/22/2017	4

1. TAKEOFF MINIMUMS: RWY 02 CHANGED FROM "STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 1700, OR 1000-2 1/2" TO "STANDARD WITH MINIMUM CLIMB 280 FT PER NM TO 1500 OR 1000-2 1/2 FOR VCOA"; RWY 31 CHANGED FROM "400-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 245 FT PER NM TO 600" TO "300 1 5/8 OR STANDARD WITH MINIMUM CLIMB 245 FT PER NM TO 600".
2. TEXTUAL DEPARTURES: RWY 02, 31 CHANGED FROM "CLIMBING LEFT TURN HEADING 170, THENCE ... ALL AIRCRAFT CLIMB ON MXW R-052 TO TALUM INT/MXW 16.92 DME" TO "CLIMBING LEFT TURN TO 5000 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE".
3. TEXTUAL DEPARTURES: RWY 13, 20 CHANGED FROM "CLIMBING RIGHT TURN HEADING 290 THENCE ... ALL AIRCRAFT CLIMB ON MXW R-052 TO TALUM INT/MXW 16.92 DME" TO "CLIMBING RIGHT TURN TO 5000 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE."
4. VISUAL CLIMB OVER AIRPORT: CHANGED ALL REFERENCES FOR FIX TALUM TO ILA VORTAC.
5. CONTROLLING OBSTACLES: UPDATED ALL OBSTACLES.

REASONS:

- 1-4. MAXWELL VORTAC (MXW) DECOMMISSIONING.
5. UPDATED OBSTACLE DATA BASE.

04/27/2017: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 01/12/2017.

CHANGE:

1. CHANGED TEXTUAL DEPARTURE PROCEDURES FROM "**RWY 02, 31:** CLIMBING LEFT TURN TO 5000 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE" TO "**RWY 02, 31:** CLIMBING LEFT TURN TO 5000 ON HEADING 200 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE".
2. CHANGED TEXTUAL DEPARTURE PROCEDURES FROM "**RWY 13, 20:** CLIMBING RIGHT TURN TO 5000 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE" TO "**RWY 13, 20:** CLIMBING RIGHT TURN TO 5000 ON HEADING 210 DIRECT ILA VORTAC BEFORE PROCEEDING ON COURSE".

REASON:

- 1-2. ADDED POSITIVE COURSE GUIDANCE PER FLIGHT CHECK REQUEST AND FLIGHT INSPECTION RESULTS DATED 04/19/2017.



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: MAJOX/MYV 22.95 DME																							
YUBBA/MYV 9.29 DME			MYV VOR/DME			083.41 / 9.29			3000		CLIMBING LEFT TURN TO 3000 ON MYV VOR/DME R-338 TO HAZED/MYV 11.56 DME AND HOLD.																							
MRGGO/MYV 15.61 DME			MYV VOR/DME			225.56 / 15.61			4000																									
MYV VOR/DME (IAF)			HAZED/MYV 11.56 DME			338.30 / 11.56			3000																									
HAZED/MYV 11.56 DME (IF)			LERMO/MYV 18.12 DME			338.30 / 6.56 (MYV R-338)			2000																									
										ADDITIONAL FLIGHT DATA: HOLD S, RT, 338.30 INBOUND. CHART FAS OBST: 384 TOWER 392747N/1213428W FAC CROSSES MIDPOINT OF RWY 2-20. CHART PLANVIEW NOTE: DME REQUIRED.																								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																																		
2. PROFILE STARTS AT MYV VOR/DME																																		
3. FAC 338.30 FAF LERMO/MYV 18.12 DME										DIST FAF TO MAP _____ THLD _____																								
4. MIN. ALT MYV VOR/DME 3000, HAZED 3000, LERMO 2000																																		
8. MSA FROM: MYV VOR/DME 140-240 2200, 240-330 3400, 330-140 4900										MAG VAR: 16E 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																		
CIRCLING		840	1	646	840	1	646	840	1 3/4	646	840	2	646																					
NOTES:																																		
CHART NOTE: CIRCLING NA NE OF RWY 13-31.																																		
CHART NOTE: DME REQUIRED.																																		
QUALITY 18 CHECKED																																		
																	CITY AND STATE			ELEVATION: 194			TDZE:			FACILITY IDENTIFIER:			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP	
																	OROVILLE, CA			AIRPORT NAME:			OROVILLE MUNI			MYV			VOR-A, AMDT 8 22 JUNE 2017				AMDT 7C	
																	DATE 10/15/2015																	

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		LP: RW25 LNAV: RW25 CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 3100 DIRECT JIRAG AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3100. ADDITIONAL FLIGHT DATA: HOLD S, RT, 015.00 INBOUND. CHART FAS OBST: 49 TREE 381135N/1214108W CHART FAS OBST: 203 T-L TWR 381119N/1213944W CHART VDP AT 0.56 NM TO RW25. WAAS CHANNEL # 82325 REFERENCE PATH ID: W25A GIFME TO RW25: 3.00/40 LTP HAE: -25.6 M						
WAGER (IF/IAF)		GIFME (TF) (FB) (RNP 1.00)			266.79 / 9.94			1700								
GIFME (FAF)		YOLUS/1.50 NM TO RW25 (TF) (FB) (RNP 0.30)			251.79 / 3.64											
YOLUS/1.50 NM TO RW25		RW25 (MAP) (TF) (FO) (RNP 0.30)			251.79 / 1.50											
RW25 (MAP)		500 MSL (CA)			251.79			500								
500 MSL		JIRAG (DF) (FO) (RNP 1.00)						3100								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E WAGER, RT, 266.79 INBOUND, 3200 FT. IN LIEU OF PT (IAF) 3. FAC: 251.79 FAF: GIFME _____ DIST FAF TO MAP: 5.14 THLD: 5.14 4. MIN. ALT: WAGER 3200, GIFME 1700, YOLUS/1.50 NM TO RW25 520 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: RW25 5100											MAG VAR: 14E		EPOCH YEAR: 2010			
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	
LP MDA	300	1	277	300	1	277	300	7/8	277		NA					
LNAV MDA	460	1	437	460	1	437	460	1 1/4	437		NA					
CIRCLING	520	1	497	560	1	537	580	1 1/2	557		NA					
NOTES: CHART NOTE: CIRCLING RWY 33 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: VDP NA WHEN USING CONCORD ALTIMETER SETTING. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 23 TDZE: 23			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
RIO VISTA, CA		AIRPORT NAME:			RIO VISTA MUNI		RNAV (GPS) RWY 25, AMDT 3D					AMDT: 3C				
							22 JUNE 2017					DATED 05/28/2015				



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CONCORD ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET AND INCREASE LP AND LNAV CAT C VISIBILITY 1/8 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE.

QUALITY
24
CHECKED

CITY AND STATE RIO VISTA, CA	ELEVATION: 23 AIRPORT NAME: RIO VISTA MUNI	TDZE: 23 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 3D 22 JUNE 2017	SUP:
				AMDT: 3C
				DATED: 05/28/2015

**RNAV 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	O88
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	381139.5145N
LTP/FTP LONGITUDE	1214141.9495W
LTP/FTP ELLIPSOIDAL HEIGHT	-00256
FPAP LATITUDE	381132.8455N
FPAP LONGITUDE	1214334.6540W
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)	0.0

CRC REMAINDER

7EDE8CF6

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00066
FPAP ORTHOMETRIC HEIGHT	+00066

QUALITY
24
CHECKED

CITY AND STATE RIO VISTA, CA	ELEVATION: 23 TDZE: 23 AIRPORT NAME: RIO VISTA MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 3D 22 JUNE 2017	SUP:
				AMDT: 3C
				DATED: 05/28/2015

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		LPV: DA LNAV/VNAV: DA LNAV: RW09 CLIMB TO 2000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT CAPUS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 004.85 INBOUND. CHART FAS OBST: 332 TREE 324409N/1171408W DISTANCE TO THLD FROM 245 HAT: 0.58 NM. CHART VDP AT 1.55 NM TO RW09* *LNAV ONLY. WAAS CHANNEL # 49237 REFERENCE PATH ID: W09A CHART CIRCLING ICON. LTP HAE: -30.2 M							
SARGS (IF)		GATTO (TF) (FB) (RNP 1.00)			094.82 / 4.05			2000									
GATTO (FAF)		RW09 (MAP) (TF) (FO) (RNP 0.30)			094.93 / 5.86												
RW09 (MAP)		2000 MSL (CA)			094.93			3000									
2000 MSL		CAPUS (DF) (FO) (RNP 1.00)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT SARGS 3. FAC: 094.93 FAF: GATTO DIST FAF TO MAP: 5.86 THLD: 5.86 4. MIN. ALT: SARGS 2100, GATTO 2000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: GATTO 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.10 TCH: 55.1 34:1 IS NOT CLEAR 8. MSA FROM: RW09 5400										MAG VAR: 11E		EPOCH YEAR: 2020					
MINIMUMS																	
TAKEOFF: 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	262	4000	245	262	4000	245	262	4000	245	262	4000	245					
LNAV/VNAV DA	620	1 1/2	603	620	1 1/2	603	620	1 1/2	603	620	1 1/2	603					
LNAV MDA	600	4000	583	600	4000	583	600	1 1/4	583	600	1 1/4	583					
CIRCLING	800	1	783	820	1	803	820	2 1/4	803	940	3	923					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 6C (43F) OR ABOVE 47C (117F). @ CAT B 900-2, CAT C 900-2 1/4, CAT D 1000-3 CHART NOTE: CIRCLING NA N OF RWY 09-27. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SARGS ON V165 WEST BOUND. (CONTINUED ON PAGE 2)																	
CITY AND STATE		ELEVATION: 17 TDZE: 17			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP:				
SAN DIEGO, CA		AIRPORT NAME:			SAN DIEGO INTL		RNAV (GPS) RWY 9, AMDT 1A						AMDT: 1				
							22 JUNE 2017						DATED 08/20/2015				



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE} TCH {FEET}).

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CATS A/B VISIBILITY TO RVR 5500.

QUALITY
23
CHECKED

CITY AND STATE SAN DIEGO, CA	ELEVATION: 17 TDZE: 17 AIRPORT NAME: SAN DIEGO INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1A 22 JUNE 2017	SUP:
				AMDT: 1
				DATED: 08/20/2015

**RNAV 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	KSAN
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	324410.9155N
LTP/FTP LONGITUDE	1171204.4300W
LTP/FTP ELLIPSOIDAL HEIGHT	-00302
FPAP LATITUDE	324346.3115N
FPAP LONGITUDE	1171022.8945W
THRESHOLD CROSSING HEIGHT (TCH)	00055.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.10
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0192
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 57EA7BB5

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00049
FPAP ORTHOMETRIC HEIGHT	+00049

QUALITY
23
CHECKED

CITY AND STATE SAN DIEGO, CA	ELEVATION: 17 AIRPORT NAME: SAN DIEGO INTL	TDZE: 17 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1A 22 JUNE 2017	SUP:
				AMDT: 1
				DATED: 08/20/2015

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

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<u>DP NAME</u>						<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
FOBRO						ONE	FOBRO1.FOBRO	NONE		22 JUNE 2017
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>					
	☒	☐	☐	☐	☒					

DP ROUTE DESCRIPTION:

RWY 32: CLIMB HEADING 323.93 TO 3443, THEN RIGHT TURN DIRECT DIMGE, THEN ON TRACK 329.22 TO CROSS FOBRO AT OR ABOVE 12000 OR AS ASSIGNED BY ATC.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>

PROCEDURAL DATA NOTES:

NOTE: RNAV 1

NOTE: GPS REQUIRED

TAKEOFF MINIMUMS:

RWY 14: NA - OBSTACLES

RWY 32: STANDARD WITH MINIMUM CLIMB OF 325 FT PER NM TO 12000

TAKEOFF OBSTACLES NOTES:

CONTROLLING OBSTACLES:

RWY 32: 6808 FT MSL AAO 415316.66N/1223842.29W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 32 - 14249 FT MSL AAO 412436.00N/1221151.00W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KO46 14E EPOCH YR: 2020

DME/DME ASSESSMENT: NOT CONDUCTED

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
WEED	WEED	CA

COMMUNICATIONS:

UNICOM, ZSE

FIXES AND/OR NAVAIDS:



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
FOBRO	ONE	FOBRO1.FOBRO	NONE		22 JUNE 2017

REMARKS:

6808 FT MSL AAO OBSTACLE PENETRATES THE 40:1 SURFACE AND IS NOT RESPONSIBLE FOR THE CG OF 325 FPNM. THE CG IS TO ENSURE AIRCRAFT MEET THE MEA ALTITUDE AT FOBRO FOR V287.

FLIGHT INSPECTED BY:

SCOTT A THOMPSON

Digitally signed by

DANIEL D OLSON

Jan 05, 2017

OFFICE SYMBOL:

FICO

DATE:

12/27/2016

DEVELOPED BY:

GEORGETTE P. BARNETT

Digitally signed by

DANIEL D OLSON

Jan 05, 2017

OFFICE SYMBOL:

AJV-5412

DATE:

8/23/2016

APPROVED BY:

MARLON J. ROBINSON

Digitally signed by

DANIEL D OLSON

Jan 05, 2017

OFFICE SYMBOL:

AJV-5410

DATE:

REQUIRED EFFECTIVE DATE:

CONCURRENT WITH AIRSPACE DOCKET # 15-AWP-2

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
☐	☒	☒	☐	☐	☒

OTHER:

AMGR, ZSE

CHANGES - REASONS:



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>EFFECTIVE DATE</u>
FOBRO		ONE		FOBRO1.FOBRO		NONE			22 JUNE 2017
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RWY 32 (AER)	412827.98N/1222703.98W	N							
3443 MSL				VA	337.93				CG 325 FT/NM TO 12000
DIMGE	413646.75N/1222837.05W	Y	FB	DF					
FOBRO	415724.93N/1223657.35W	Y	FB	TF	343.22	21.55	AT/ABOVE 12000		



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: ZIXIB					
KLAMA		FOBRO (FB)		143.11 / 15.06				9700		(DO NOT EXCEED 185 KIAS UNTIL GRENA) CLIMBING LEFT TURN 9100 DIRECT GRENA THEN RIGHT TURN ON TRACK 000.89 TO ISAVE THEN LEFT TURN ON TRACK 306.70 DIRECT KLAMA AND HOLD. *MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 325 FEET PER NM TO 4000.					
FOBRO		HIVEG (FB)		143.20 / 7.53				8000							
HIVEG		EHPUG (FB)		143.24 / 3.76				7400		ADDITIONAL FLIGHT DATA: HOLD NW, RT, 143.11 INBOUND. CHART FAS OBST: 2999 BUSH 413201N/1222911W CHART CIRCLING ICON. CANKI TO ZIXIB: 3.50/40. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 6.31 DEGREES. CHART: SISKIYOU COUNTY ASOS. FAC CROSSES RWY C/L EXTENDED 4241 FT FROM THLD.					
EHPUG		GRENA (FB)		143.26 / 3.76				6700							
GRENA (IAF)		DIMGE (FB)		162.53 / 6.75				5100							
DIMGE (IF)		CANKI (FB)		173.37 / 3.31				4600							
CANKI (FAF)		ZIXIB (MAP) (FO)		150.24 / 3.75											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 14E EPOCH YEAR: 2020					
2. PROFILE STARTS AT DIMGE															
3. FAC: 150.24 FAF: CANKI DIST FAF TO MAP: 3.75 THLD: 4.45															
4. MIN. ALT: DIMGE 5100, CANKI 4600															
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: ZIXIB 15300															
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
LNAV MDA*	3380	1	446	3380	1	446	3580	1 7/8	646	3700	2 1/2	766			
LNAV MDA	3420	1	486	3480	1	546	3780	2 1/2	846	3820	2 1/2	886			
CIRCLING	3680	1	737	3840	1 1/4	897	4080	3	1137	4340	3	1397			
NOTES: CHART NOTE: CIRCLING NA SW OF RWY 14-32. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: USE SISKIYOU COUNTY ALTIMETER SETTING.															
CITY AND STATE WEED, CA		ELEVATION: 2943 TDZE: 2934 AIRPORT NAME: WEED		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 22 JUNE 2017						SUP: AMDT: NONE DATED			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ZIXIB (MAP)	3343 MSL	150.24	
3343 MSL	GRENA (FB)		
GRENA	ISAVE (FB)	000.89 / 10.62	
ISAVE	KLAMA (FO)	306.70 / 22.65	9100

CITY AND STATE
WEED, CA

ELEVATION: 2943 TDZE: 2934
AIRPORT NAME:
WEED

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 14, ORIG
22 JUNE 2017

SUP:
AMDT: NONE
DATED:

QUALITY
10
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33	Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.
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ARINC SUMMARY - 046

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
KLAMA	010	KLAMA	IF	FB										E
KLAMA	020	FOBRO	TF	FB	2.0	143.1						AA 09700		E
KLAMA	030	HIVEG	TF	FB	1.0	143.2						AA 08000		E
KLAMA	040	EHPUG	TF	FB	1.0	143.2						AA 07400		E
KLAMA	050	GRENA	TF	FB	1.0	143.3						AA 06700		E A
KLAMA	060	DIMGE	TF	FB	1.0	162.5						AA 05100		EE B
	010	DIMGE	IF	FB								AA 05100		E I
	020	CANKI	TF	FB	1.0	173.4				ZIXIB		AA 04600		E F
	030	ZIXIB	TF	FO	0.3	150.2		3.50				AT 03204		EY M
	040		CA	FB		150.2						AA 03343		M
	050	GRENA	DF	FB	1.0				L			AA 09100		E
	060	ISAVE	TF	FB	1.0	000.9			R					E
	070	KLAMA	TF	FO	1.0	306.7			L			AA 09100		EY
	080	KLAMA	HM	FO		143.1			R			AA 09100		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
EHPUG	N414659.77	W1223106.31
FOBRO	N415724.93	W1223657.35
GRENA	N414331.31	W1222909.72
HIVEG	N415028.19	W1223303.11
KLAMA	N421117.98	W1224448.37
CANKI	N413329.45	W1222911.01
DIMGE	N413646.75	W1222837.05
ISAVE	N415347.48	W1222530.49
ZIXIB	N412952.57	W1222749.58

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW14	N412913.74	W1222728.65	02907	40

CITY AND STATE WEED, CA	ELEVATION: 2943 AIRPORT NAME:	TDZE: 2934 WEED	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 14, ORIG 22 JUNE 2017	SUP: AMDT: NONE DATED:

QUALITY
10
CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
WEED, CA	WEED	22 JUNE 2017	ORIG

TAKEOFF MINIMUMS:

TEXTUAL DEPARTURE PROCEDURES:
USE FOBRO (RNAV) DEPARTURE

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

CONTROLLING OBSTACLES:



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
WEED, CA	WEED	22 JUNE 2017	ORIG

REMARKS:

FLIGHT INSPECTED BY:

SCOTT A. THOMPSON

Digitally signed by

DANIEL D OLSON

Jan 05, 2017

OFFICE SYMBOL:

FICO

DATE:

12/22/2016

DEVELOPED BY:

GEORGETTE P. BARNETT

Digitally signed by

GEORGETTE P BARNETT

Sep 12, 2016

OFFICE SYMBOL:

AJV-5412

DATE:

8/23/2016

APPROVED BY:

MARLON J. ROBINSON

Digitally signed by

DANIEL D OLSON

Jan 05, 2017

OFFICE SYMBOL:

AJV-5410

DATE:

REQUIRED EFFECTIVE DATE:

CONCURRENT WITH AIRSPACE DOCKET # 15-AWP-2

COORDINATED WITH:

A4A

ALPA

AOPA

APA

HAI

NBAA



OTHER:

AMGR, ZSE

CHANGES - REASONS:

QUALITY
10
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES														MISSED APPROACH												
FROM				TO				COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 5.47 NM AFTER STANE INT/I-BDR 6.23 DME OR AT I-BDR 0.76 DME												
MILUM INT/BDR 5.00 DME				BDR VOR/DME				233.92 / 5.00				1800		CLIMB TO 1800 ON THE BDR VOR/DME R-054 TO MILUM INT AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT CCC VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 233.92 INBOUND. FAS OBST: 125 SHIP 410800N/0730930W CHART VDP AT 1.77 DME* DISTANCE VDP TO THLD 1.01 NM. *LOC ONLY. CHART CIRCLING ICON. FICTITIOUS THRESHOLD POINT (CFLVP) DO NOT CHART. CHART: (CFVFS) 410055.17N/0731959.38W. FAC CROSSES RWY C/L EXTENDED 2691 FT FROM THLD. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 2.16 DEGREES.												
BDR VOR/DME				STANE INT/I-BDR 6.23 DME				239.68 / 5.87				1800														
CCC VOR/DME				STANE INT/I-BDR 6.23 DME				310.50 / 21.55				1800														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 13W EPOCH YEAR: 1980												
2. HOLD SW STANE, RT, 060.16 INBOUND, 1800 FT. IN LIEU OF PT (IAF)																										
3. FAC: 060.16 FAF: STANE INT/I-BDR 6.23 DME DIST FAF TO MAP: 5.47 THLD: 5.47																										
4. MIN. ALT: STANE 1800																										
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 992																										
6. MIN GS INCPT: 1800 GS ALT AT: STANE 1800 OM: _____ MM: _____ IM: _____																										
7. GS ANGLE: 3.00 TCH: 50.5																										
8. MSA FROM: BDR VOR/DME 360-090 2700, 090-270 1900, 270-360 2300																										
MINIMUMS																										
TAKEOFF: 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 06	257	3/4	250	257	3/4	250	257	3/4	250	257	3/4	250														
S-LOC 06	380	1	373	380	1	373	380	1	373	380	1	373														
CIRCLING	400	1	391	620	1	611	820	2 1/2	811	820	2 3/4	811														
NOTES: CHART NOTE: CIRCLING TO RWY 11 NA AT NIGHT.																										
# @ NA WHEN CONTROL TOWER CLOSED. # CAT B 700-2, CAT C 900-2 1/2, CAT D 900-2 3/4 @ CAT C 900-2 1/2, CAT D 900-2 3/4																										
CITY AND STATE BRIDGEPORT, CT				ELEVATION: 9 TDZE: 7 AIRPORT NAME: IGOR I SIKORSKY MEMORIAL				FACILITY IDENTIFIER: I-BDR		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 6, AMDT 10 22 JUNE 2017				SUP: ILS RWY 6 AMDT: 9A DATED 07/10/2003												



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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



CITY AND STATE
BRIDGEPORT, CT

ELEVATION: 9 TDZE: 7
AIRPORT NAME:
IGOR I SIKORSKY MEMORIAL

FACILITY
IDENTIFIER:
I-BDR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 6, AMDT 10
22 JUNE 2017

SUP: ILS RWY 6
AMDT: 9A
DATED: 07/10/2003

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		LPV: DA LNAV/VNAV: DA LNAV: (CFLVP) CLIMB TO 2600 DIRECT BAYYS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 235.03 INBOUND. FAS OBST: 125 SHIP 410800N/0730930W DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 1.01 NM TO CFLVP* *LNAV ONLY. WAAS CHANNEL # 78140 REFERENCE PATH ID: W06A CHART CIRCLING ICON. FICTITIOUS THRESHOLD POINT (CFLVP) DO NOT CHART. FAC CROSSES RWY C/L EXTENDED 2691 FT FROM THLD. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 2.16 DEGREES. LTP HAE: -28.2 M					
DABVE (IF)		STANE (TF) (FB) (RNP 1.00)			074.14 / 6.22				1800							
STANE (FAF)		(CFLVP) (MAP) (TF) (FO) (RNP 0.30)			060.10 / 5.47											
(CFLVP) (MAP)		257 MSL (CA)			060.10				2600							
257 MSL		BAYYS (DF) (FO) (RNP 1.00)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT DABVE 3. FAC: 060.10 FAF: STANE DIST FAF TO MAP: 5.47 THLD: 5.47 4. MIN. ALT: DABVE 2000, STANE 1800 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1800 GS ALT AT: STANE 1800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.5 34:1 IS CLEAR 8. MSA FROM: RW06 2700											MAG VAR: 13W EPOCH YEAR: 1980					
MINIMUMS																
TAKEOFF: 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	257	3/4	250	257	3/4	250	257	3/4	250	257	3/4	250				
LNAV/VNAV DA	273	7/8	266	273	7/8	266	273	7/8	266	273	7/8	266				
LNAV MDA	380	1	373	380	1	373	380	1	373	380	1	373				
CIRCLING	400	1	391	620	1	611	820	2 1/2	811	820	2 3/4	811				
NOTES: CHART NOTE: CIRCLING TO RWY 11 NA AT NIGHT. @ CAT C 900-2 1/2, CAT D 900-2 3/4 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.																
CITY AND STATE BRIDGEPORT, CT		ELEVATION: 9 TDZE: 7 AIRPORT NAME: IGOR I SIKORSKY MEMORIAL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 22 JUNE 2017					SUP:				
												AMDT: ORIG				
												DATED 11/23/2006				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

QUALITY
18
CHECKED

CITY AND STATE BRIDGEPORT, CT	ELEVATION: 9 AIRPORT NAME: IGOR I SIKORSKY MEMORIAL	TDZE: 7	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 22 JUNE 2017	SUP:
					AMDT: ORIG
					DATED: 11/23/2006

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

QUALITY
18
CHECKED

CITY AND STATE BRIDGEPORT, CT	ELEVATION: 9 AIRPORT NAME: IGOR I SIKORSKY MEMORIAL	TDZE: 7	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 22 JUNE 2017	SUP:
					AMDT: ORIG
					DATED: 11/23/2006

**RNAV 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	KBDR
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	410924.6120N
LTP/FTP LONGITUDE	0730754.1320W
LTP/FTP ELLIPSOIDAL HEIGHT	-00282
FPAP LATITUDE	411025.2215N
FPAP LONGITUDE	0730627.6170W
THRESHOLD CROSSING HEIGHT (TCH)	00050.5
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

C0201232

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00021
FPAP ORTHOMETRIC HEIGHT	+00021

QUALITY
18
CHECKED

CITY AND STATE

BRIDGEPORT, CT

ELEVATION: 9

TDZE: 7

AIRPORT NAME:

IGOR I SIKORSKY MEMORIAL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, AMDT 1

22 JUNE 2017

SUP:

AMDT:

ORIG

DATED:

11/23/2006

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: RW24 CLIMB TO 1800 DIRECT STANE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.16 INBOUND. CHART FAS OBST: 82 TREE 411006N/0730645W CHART CIRCLING ICON. MILUM TO RW24: 3.50/54.									
DWAIN (IF)		MILUM (TF) (FB) (RNP 1.00)		235.04 / 6.19				1800											
MILUM (FAF)		WIMAK (TF) (FB) (RNP 0.30)		235.79 / 3.07															
WIMAK		RW24 (MAP) (TF) (FO) (RNP 0.30)		235.79 / 1.60															
RW24 (MAP)		340 MSL (CA)		235.79				1800											
340 MSL		STANE (DF) (FO) (RNP 1.00)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE DWAIN, LT, 235.04 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC: 235.79 FAF: MILUM DIST FAF TO MAP: 4.67 THLD: 4.67 4. MIN. ALT: DWAIN 2600, MILUM 1800, WIMAK 640 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: RW24 2700																MAG VAR: 13W		EPOCH YEAR: 1980	
MINIMUMS																			
TAKEOFF: 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	340	1	333	340	1	333	340	1	333	340	1	333							
CIRCLING	400	1	391	620	1	611	820	2 1/2	811	820	2 3/4	811							
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. @ CAT C 900-2 1/2, CAT D 900-2 3/4 CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING TO RWY 11 NA AT NIGHT.																			
CITY AND STATE		ELEVATION: 9 TDZE: 7		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
BRIDGEPORT, CT		AIRPORT NAME:		IGOR I SIKORSKY MEMORIAL		RNAV (GPS) RWY 24, AMDT 1				AMDT: ORIG-A									
						22 JUNE 2017				DATED 06/25/2015									



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

CITY AND STATE
BRIDGEPORT, CT

ELEVATION: 9 TDZE: 7
AIRPORT NAME:
IGOR I SIKORSKY MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 24, AMDT 1
22 JUNE 2017

SUP:
AMDT: ORIG-A
DATED: 06/25/2015

QUALITY
18
CHECKED

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: RW29 CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2600 DIRECT BAYYS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 235.03 INBOUND. FAS OBST: 125 SHIP 410936N/0730422W CHART CIRCLING ICON. SETHE TO RW29: 3.00/55.									
MAD VOR/DME (IAF)		MADDG (TF) (FB) (RNP 1.00)		237.79 / 14.39				2000											
CCC VOR/DME (IAF)		MADDG (TF) (FB) (RNP 1.00)		350.51 / 13.87				2000											
MADDG (IF)		SETHE (TF) (FB) (RNP 1.00)		290.98 / 4.78				1500											
SETHE (FAF)		RW29 (MAP) (TF) (FO) (RNP 0.30)		290.90 / 4.52															
RW29 (MAP)		500 MSL (CA)		290.90				500											
500 MSL		BAYYS (DF) (FO) (RNP 1.00)						2600											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT MADDG 3. FAC: <u>290.90</u> FAF: <u>SETHE</u> DIST FAF TO MAP: <u>4.52</u> THLD: <u>4.52</u> 4. MIN. ALT: MADDG 2000, SETHE 1500 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: RW29 2700																MAG VAR: 13W		EPOCH YEAR: 1980	
MINIMUMS																			
TAKEOFF: 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	380	1	373	380	1	373	380	1	373	380	1	373							
CIRCLING	400	1	391	620	1	611	820	2 1/2	811	820	2 3/4	811							
NOTES: CHART NOTE: CIRCLING TO RWY 11 NA AT NIGHT. @ CAT C 900-2 1/2, CAT D 900-2 3/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MAD VOR/DME AIRWAY RADIALS 155 CW 317. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CCC VOR/DME AIRWAY RADIALS 263 CW 057. CHART NOTE: RWY 29 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																			
CITY AND STATE		ELEVATION: 9 TDZE: 7		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
BRIDGEPORT, CT		AIRPORT NAME:		IGOR I SIKORSKY MEMORIAL		RNAV (GPS) RWY 29, AMDT 1 22 JUNE 2017				AMDT: ORIG									
										DATED 09/06/2001									

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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CITY AND STATE
BRIDGEPORT, CT

ELEVATION: 9 TDZE: 7
AIRPORT NAME:
IGOR I SIKORSKY MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 29, AMDT 1
22 JUNE 2017

SUP:
AMDT: ORIG
DATED: 09/06/2001

QUALITY
18
CHECKED

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: 4.67 NM AFTER MILUM INT/BDR 5.00 DME OR AT LISAL/BDR 0.33 DME FIX					
BDR VOR/DME		MILUM INT/BDR 5.00 DME			053.92 / 5.00			1800		CLIMB TO 1800 ON BDR R-240 TO STANE INT/BDR 5.87 DME AND HOLD.					
MAD VOR/DME (IAF)		DWAIN INT/BDR 11.19 DME (NOPT)			279.00 / 12.10			3000							
DWAIN INT/11.19 DME (IF)		KNELL/BDR 8.00 DME/RADAR			233.92 / 3.19 (BDR R-054)			2600							
KNELL/BDR 8.00 DME/RADAR		MILUM INT/BDR 5.00 DME			233.92 / 3.00 (BDR R-054)			1800							
										ADDITIONAL FLIGHT DATA: HOLD SW, RT, 059.61 INBOUND. CHART FAS OBST: 119 TREE 411103N/0730556W CHART CIRCLING ICON. MILUM INT TO RW24: 3.50/56. FAC 248 FT L OF RWY C/L EXTENDED 3000 FT FROM THLD.					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)															
2. HOLD NE MILUM, RT, 233.92 INBOUND, 1800 FT. IN LIEU OF PT (IAF) _____															
3. FAC 233.92 FAF MILUM INT/BDR 5.00 DME _____ DIST FAF TO MAP 4.67 THLD 4.67															
4. MIN. ALT MILUM 1800, YISUV/1.62 DME 540															
8. MSA FROM: BDR VOR/DME 360-090 2700, 090-270 1900, 270-360 2300										MAG VAR: 12W EPOCH YEAR:1965					
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-24	540	1	533	540	1	533	540	1	533	540	1	533			
CIRCLING	540	1	531	620	1	611	820	2 1/2	811	820	2 3/4	811			
YISUV FIX MINIMUMS															
S-24	380	1	373	380	1	373	380	1	373	380	1	373			
CIRCLING	400	1	391	620	1	611	820	2 1/2	811	820	2 3/4	811			
NOTES:															
CHART NOTE: CIRCLING RWY 11 NA AT NIGHT.										@ CAT C 900-2 1/2, CAT D 900-2 3/4					
CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED..															
CITY AND STATE BRIDGEPORT, CT		ELEVATION: 9 AIRPORT NAME: IGOR I SIKORSKY MEMORIAL		TDZE: 7		FACILITY IDENTIFIER: BDR		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 24, AMDT 17 22 JUNE 2017				SUP AMDT 16 DATE 07/10/2003			

**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.

QUALITY
18
CHECKED

CITY AND STATE

BRIDGEPORT, CT

ELEVATION: 9

TDZE: 7

AIRPORT NAME:

IGOR I SIKORSKY MEMORIAL

FACILITY
IDENTIFIER:

BDR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 24, AMDT 17

22 JUNE 2017

SUP:

AMDT: 16

DATED: 07/10/2003

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.															
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 5.43 NM AFTER TIKIY INT/I-FJD 6.66 DME OR AT I-FJD 1.23 DME CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 ON HEADING 080 AND TRV VORTAC R-132 TO ANGEE INT/TRV 22.13 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 311.60 INBOUND. CHART FAS OBST: 117 TREE 272953N/0802411W CHART W-497B. CHART VDP AT 2.19 DME* DISTANCE VDP TO THLD 0.96 NM. *LOC ONLY. CHART IN PLANVIEW AT ZAHZA: TRV VORTAC 12.11 DME. CHART CIRCLING ICON.									
TRV VORTAC		ZAHZA INT/I-FJD 12.68 DME		214.35 / 12.11				2000											
ANGEE INT		FPR NDB		282.40 / 12.06				2000											
FPR NDB		ZAHZA INT/I-FJD 12.68 DME		280.42 / 11.80				2000											
TRV VORTAC		MIMBE (TF) (FB) (RNP 2.00)		238.69 / 7.70				2000											
SHEDS		HASOK (TF) (FB) (RNP 2.00)		353.22 / 6.08				2000											
MIMBE (IAF)		ZAHZA (NOPT) (TF) (FB) (RNP 1.00)		182.37 / 6.00				2000											
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W ZAHZA, RT, 097.47 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 097.47 FAF: TIKIY INT/I-FJD 6.66 DME DIST FAF TO MAP: 5.43 THLD: 5.43 4. MIN. ALT: ZAHZA 2000, TIKIY 1800, SIVYO/I-FJD 3.23 DME 560* 5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 949 6. MIN GS INCPT: 1800 GS ALT AT: TIKIY 1800 OM: - MM: - IM: - 7. GS ANGLE: 3.00 TCH: 48.6 8. MSA FROM: FPR NDB 2600																MAG VAR: 7W		EPOCH YEAR: 2015	
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				
S-ILS 10R	273	3/4	250	273	3/4	250	273	3/4	250	273	3/4	250							
S-LOC 10R	560	1	537	560	1	537	560	1 1/2	537	560	1 1/2	537							
CIRCLING	560	1	537	560	1	537	880	2 1/2	857	880	2 3/4	857							
SIVYO FIX MINIMUMS (DME REQUIRED)																			
S-LOC 10R	380	1	357	380	1	357	380	1	357	380	1	357							
CIRCLING	460	1	437	480	1	457	880	2 1/2	857	880	2 3/4	857							
NOTES: CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 720 MSL. CHART SPEED ICON IN PLANVIEW AT MIMBE : MAX 210 KIAS. CHART SPEED ICON IN PLANVIEW AT HASOK : MAX 210 KIAS. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 23 TDZE: 23				FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:							
FORT PIERCE, FL		AIRPORT NAME:				I-FJD		ILS OR LOC RWY 10R, AMDT 4D				AMDT: 4C							
		TREASURE COAST INTL						22 JUNE 2017				DATED 03/02/2017							

QUALITY
10
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
HASOK (IAF)	ZAHZA (NOPT) (TF) (FB) (RNP 1.00)	017.36 / 6.00	2000
ZAHZA INT/I-FJD 12.68 DME (IF/IAF)	TIKIY INT/I-FJD 6.66 DME	097.47 / 6.02 (I-FJD)	1800

NOTES, (CONT.):

CHART NOTE: VDP NA WITH VERO BEACH ALTIMETER SETTING.

WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VERO BEACH ALTIMETER SETTING AND INCREASE ALL DA 23 FEET AND ALL MDA 40 FEET; INCREASE S-ILS ALL CATS, S-LOC CAT C/D, AND SIVYO FIX MINIMUMS S-LOC CAT C/D VISIBILITY 1/8 MILE; AND INCREASE CIRCLING AND SIVYO FIX MINIMUMS CIRCLING CAT C/D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: MIMBE (IAF): GPS REQUIRED.

CHART PLANVIEW NOTE: HASOK (IAF): GPS REQUIRED.

CITY AND STATE

FORT PIERCE, FL

ELEVATION: 23

TDZE: 23

AIRPORT NAME:

TREASURE COAST INTL

FACILITY
IDENTIFIER:

I-FJD

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 10R, AMDT 4D

22 JUNE 2017

SUP:

AMDT:

DATED: 03/02/2017

QUALITY
10
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW10							
BEYLO		AZNAX (FB)		265.90 / 20.20				3000		CLIMB TO 3000 DIRECT LAXHE AND ON TRACK 012.83 TO BEYLO AND HOLD.							
GLOSS		AZNAX (FB)		182.82 / 9.90				3000									
AZNAX (IAF)		IBUDY (FB)		182.83 / 6.00				3000									
SINCA (IAF)		IBUDY (FB)		055.94 / 7.44				3000									
IBUDY (IF)		OZBRN (FB)		094.04 / 6.52				2200									
OZBRN (FAF)		RW10 (MAP) (FO)		095.93 / 5.48						ADDITIONAL FLIGHT DATA: HOLD NE, RT, 245.04 INBOUND. CHART FAS OBST: 690 TOWER 330930N/0831842W CHART VDP AT 1.62 NM TO RW10. OZBRN TO RW10: 3.04/45.							
RW10 (MAP)		785 MSL		095.93													
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. PROFILE STARTS AT IBUDY																	
3. FAC: 095.93 FAF: OZBRN DIST FAF TO MAP: 5.48 THLD: 5.48																	
4. MIN. ALT: IBUDY 3000, OZBRN 2200																	
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: RW10 2500																	
MAG VAR: 4W EPOCH YEAR: 2000																	
MINIMUMS																	
TAKEOFF: 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	1000	1	615	1000	1	615		NA			NA						
CIRCLING	1000	1	615	1000	1	615		NA			NA						
NOTES: CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY. CHART NOTE: RWY 10, 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)																	
CITY AND STATE MILLEDGEVILLE, GA		ELEVATION: 385 TDZE: 385 AIRPORT NAME: BALDWIN COUNTY				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1A 22 JUNE 2017				SUP: AMDT: 1 DATED 07/29/2010					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
785 MSL	LAXHE (FB)		
LAXHE	BEYLO (FO)	012.83 / 9.42	3000

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIDDLE GEORGIA REGIONAL ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET.

QUALITY
5
CHECKED

CITY AND STATE

MILLEDGEVILLE, GA

ELEVATION: 385

TDZE: 385

AIRPORT NAME:

BALDWIN COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, AMDT 1A

22 JUNE 2017

SUP:

AMDT: 1

DATED: 07/29/2010

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION												Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.		
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE														
FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.33														
ARINC SUMMARY - KMLJ														
ROUTES														
TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BEYLO	010	BEYLO	IF	FB										E
BEYLO	020	AZNAX	TF	FB	2.0	265.9						AA 03000		E A
BEYLO	030	IBUDY	TF	FB	1.0	182.8						AA 03000		EE B
GLOSS	010	GLOSS	IF	FB										E
GLOSS	020	AZNAX	TF	FB	2.0	182.8						AA 03000		E A
GLOSS	030	IBUDY	TF	FB	1.0	182.8						AA 03000		EE B
SINCA	010	SINCA	IF	FB										E A
SINCA	020	IBUDY	TF	FB	1.0	055.9						AA 03000		EE B
	010	IBUDY	IF	FB								AA 03000		E I
	020	OZBRN	TF	FB	1.0	094.0				RW10		AA 02200		E F
	030	RW10	TF	FO	0.3	095.9		3.04				AT 00430		GY M
	040		CA	FB		095.9						AA 00785		M
	050	LAXHE	DF	FB	1.0									E
	060	BEYLO	TF	FO	1.0	012.8						AA 03000		EY
	070	BEYLO	HM	FO		245.0			R			AA 03000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
BEYLO			N331821.90			W0830536.33								
GLOSS			N332523.24			W0832942.06								
SINCA			N330452.28			W0833617.52								
AZNAX			N331528.52			W0832927.51								
IBUDY			N330927.91			W0832918.74								
LAXHE			N330902.43			W0830719.82								
OZBRN			N330927.42			W0832132.50								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH			
RW10		N330916.16			W0831501.43			00385			45			

QUALITY
5
CHECKED

CITY AND STATE MILLEDGEVILLE, GA	ELEVATION: 385	TDZE: 385	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BALDWIN COUNTY		RNAV	RNAV (GPS) RWY 10, AMDT 1A	AMDT: 1
				22 JUNE 2017	DATED: 7/29/2010

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		LPV: DA LNAV/VNAV: DA LNAV: RW28 CLIMB TO 3000 DIRECT OZBRN AND ON TRACK 253.79 TO SINCA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 098.90 INBOUND. CHART FAS OBST: 574 PLANT 330824N/0831218W DISTANCE TO THLD FROM 291 HAT: 0.84 NM. CHART VDP AT 1.24 NM TO RW28* *LNAV ONLY WAAS CHANNEL # 82318 REFERENCE PATH ID: W28A LTP HAE: 81.8 M						
BEYLO		COPSO (FB)		128.23 / 6.30				3000								
HEPUT (IAF)		FETOP (FB)		005.16 / 6.64				3000								
COPSO (IAF)		FETOP (FB)		186.13 / 6.00				3000								
MISTY (IAF)		FETOP (FB)		235.92 / 9.65				3000								
FETOP (IF)		LAXHE (FB)		276.13 / 6.44				2200								
LAXHE (FAF)		WADAX/2.50 NM TO RW28 (FB)		276.06 / 3.06												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT FETOP _____ 3. FAC: <u>276.06</u> FAF: <u>LAXHE</u> DIST FAF TO MAP: <u>5.56</u> THLD: <u>5.56</u> 4. MIN. ALT: <u>FETOP 3000, LAXHE 2200, WADAX/2.50 NM TO RW28 1200*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>LAXHE 2200</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>44.3</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW28 2400</u>																
										MAG VAR: 4W			EPOCH YEAR: 2000			
MINIMUMS																
TAKEOFF: 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	670	1	291	670	1	291		NA			NA					
LNAV/VNAV DA	997	2 1/4	618	997	2 1/4	618		NA			NA					
LNAV MDA	800	1	421	800	1	421		NA			NA					
CIRCLING	920	1	535	940	1	555		NA			NA					
NOTES: CHART NOTE: BARO-VNAV AND VDP NA WHEN USING MIDDLE GEORGIA RGNL ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). CHART NOTE: RWY 10, 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 385 TDZE: 379				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
MILLEDGEVILLE, GA		AIRPORT NAME: BALDWIN COUNTY						RNAV (GPS) RWY 28, AMDT 1A 22 JUNE 2017				AMDT: 1				
												DATED 07/29/2010				

QUALITY
 5
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WADAX/2.50 NM TO RW28	RW28 (MAP) (FO)	276.06 / 2.50	
RW28 (MAP)	670 MSL	276.06	
670 MSL	OZBRN (FB)		
OZBRN	SINCA (FO)	253.79 / 13.21	3000

NOTES, (CONT.):

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIDDLE GEORGIA RGNL ALTIMETER SETTING AND INCREASE LPV DA TO 754, LNAV/VNAV DA TO 1081, AND ALL MDA 100 FEET; INCREASE LPV ALL CATS VISIBILITY 3/8 SM AND LNAV/VNAV ALL CATS VISIBILITY 1/4 SM.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MISTY ON V56 NORTHEAST BOUND.

QUALITY
5
CHECKED

CITY AND STATE

MILLEDGEVILLE, GA

ELEVATION: 385

TDZE: 379

AIRPORT NAME:

BALDWIN COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, AMDT 1A

22 JUNE 2017

SUP:

AMDT: 1

DATED: 07/29/2010

**RNAV 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	KMLJ
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	330914.2600N
LTP/FTP LONGITUDE	0831356.6700W
LTP/FTP ELLIPSOIDAL HEIGHT	+00818
FPAP LATITUDE	330917.3600N
FPAP LONGITUDE	0831542.7300W
THRESHOLD CROSSING HEIGHT (TCH)	00044.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1072
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 91988C87

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01094
FPAP ORTHOMETRIC HEIGHT	+01094

CITY AND STATE

MILLEDGEVILLE, GA

ELEVATION: 385

TDZE: 379

AIRPORT NAME:

BALDWIN COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, AMDT 1A

22 JUNE 2017

SUP:

AMDT: 1

DATED: 07/29/2010

 QUALITY
5
CHECKED

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

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

ARINC SUMMARY - KMLJ

ROUTES

TRANSITION	WPT SEQ	WPT NAME	LEG TYPE	FB/FO	RNP	MAG CRS	REC NAV	ANGLE	TURN DIR	CENTER FIX	TURN RADIUS	ALTITUDE DESCRIPTION & VALUE	SPEED LIMIT DESCRIPTION & VALUE	WPT DESCRIPTION CODE
BEYLO	010	BEYLO	IF	FB										E
BEYLO	020	COPSO	TF	FB	2.0	128.2						AA 03000		E A
BEYLO	030	FETOP	TF	FB	1.0	186.1						AA 03000		EE B
HEPUT	010	HEPUT	IF	FB										E A
HEPUT	020	FETOP	TF	FB	1.0	005.2						AA 03000		EE B
MISTY	010	MISTY	IF	FB										E A
MISTY	020	FETOP	TF	FB	1.0	235.9						AA 03000		EE B
	010	FETOP	IF	FB								AA 03000		E I
	020	LAXHE	TF	FB	1.0	276.1				RW28		AA 02200		E F
	021	WADAX	TF	FB	0.3	276.1		3.00				AA 01200 GS 01205		E S
	030	RW28	TF	FO	0.3	276.1		3.00				AT 00403		GY M
	040		CA	FB		276.1						AA 00670		M
	050	OZBRN	DF	FB	1.0									E
	060	SINCA	TF	FO	1.0	253.8						AA 03000		EY
	070	SINCA	HM	FO		098.9			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BEYLO	N331821.90	W0830536.33
HEPUT	N330209.01	W0825949.28
MISTY	N331446.49	W0825036.62
SINCA	N330452.28	W0833617.52
COPSO	N331448.71	W0825923.71
FETOP	N330848.27	W0825939.66
LAXHE	N330902.43	W0830719.82
OZBRN	N330927.42	W0832132.50
WADAX	N330908.98	W0831058.11

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW28	N330914.26	W0831356.67	00359	44.3

QUALITY
5
CHECKED

CITY AND STATE MILLEDGEVILLE, GA	ELEVATION: 385 TDZE: 379	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1A 22 JUNE 2017	SUP:
	AIRPORT NAME: BALDWIN COUNTY			AMDT: 1
				DATED: 07/29/2010

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW36						
NALLY		CUMTA (TF) (FB) (RNP 2.00)		254.91 / 21.66				2600		CLIMB TO 2900 DIRECT IFAPY AND ON TRACK 326.31 TO ERECI AND HOLD.						
OSW VOR/DME		CUMTA (TF) (FB) (RNP 2.00)		327.40 / 21.27				2600								
HOTAP (IAF)		ALEFO (TF) (FB) (RNP 1.00)		091.29 / 4.73				2600		ADDITIONAL FLIGHT DATA: HOLD N, RT, 176.31 INBOUND. CHART FAS OBST: 1109 TREE 373921N/0953004W CHART EUREKA LOW MOA. MYYER TO RW36: 3.04/36.0.						
CUMTA (IAF)		ALEFO (TF) (FB) (RNP 1.00)		271.67 / 5.00				2600								
ALEFO (IF)		MYYER (TF) (FB) (RNP 1.00)		001.61 / 6.10				2600								
(SEE FORM 8260-10)																
1. PT NA SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																
2. PROFILE STARTS AT ALEFO																
3. FAC: 001.62 FAF: MYYER DIST FAF TO MAP: 4.84 THLD: 4.84																
4. MIN. ALT: ALEFO 2600, MYYER 2600, FLOUR/2.10 NM TO RW36 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: RW36 2700																
MAG VAR: 5E EPOCH YEAR: 1995																
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: NA		STANDARD @				
CATEGORY ==>		A			B			C			D			E		
		DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LNAV MDA		1400	1	398	1400	1	398		NA			NA				
CIRCLING		1480	1	478	1480	1	478		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: STRAIGHT-IN RWY 36 NA AT NIGHT. CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PARSONS ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.																
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.																
CITY AND STATE CHANUTE, KS		ELEVATION: 1003 TDZE: 1002 AIRPORT NAME: CHANUTE MARTIN JOHNSON			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG-A 22 JUNE 2017				SUP: AMDT: ORIG DATED 06/03/2010				



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
MYER (FAF)	FLOUR/2.10 NM TO RW36 (TF) (FB) (RNP 0.30)	001.62 / 2.74	
FLOUR/2.10 NM TO RW36	RW36 (MAP) (TF) (FO) (RNP 0.30)	001.62 / 2.10	
RW36 (MAP)	1400 MSL (CA)	001.62	
1400 MSL	IFAPY (DF) (FB) (RNP 1.00)		
IFAPY	ERECI (TF) (FO) (RNP 1.00)	326.31 / 10.43	2900

QUALITY
19
CHECKED

CITY AND STATE
CHANUTE, KS

ELEVATION: 1003 TDZE: 1002
 AIRPORT NAME:
 CHANUTE MARTIN JOHNSON

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
 RNAV (GPS) RWY 36, ORIG-A
 22 JUNE 2017

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

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LOC: 5.02 NM AFTER JEFFE OM/I-IDP 6.09 DME OR AT I-IDP 1.07 DME ILS: DA CLIMB TO 1500 THEN CLIMBING LEFT TURN HEADING 135 TO 3000 INTERCEPT I-IDP LOC S COURSE TO VOVRY INT AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 949 TREE 370513N/0954632W CHART EUREKA LOW MOA. CHART AWOS-3 118.525 FREQUENCY.						
OSW VOR/DME		VOVRY INT/I-IDP 11.10 DME		241.32 / 29.50				3000								
BVO VOR/DME		VOVRY INT/I-IDP 11.10 DME		044.51 / 14.59				3000								
VOVRY INT/I-IDP 11.10 DME (IF/IAF)		JEFFE OM/I-IDP 6.09 DME		355.29 / 5.01 (I-IDP)				2500								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S VOVRY, RT, 355.29 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: <u>355.29</u> FAF: <u>JEFFE OM/I-IDP 6.09 DME</u> DIST FAF TO MAP: <u>5.02</u> THLD: <u>5.02</u> 4. MIN. ALT: VOVRY 3000, JEFFE OM 2500 5. DIST TO THLD FROM OM: <u>5.02</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>-</u> OM: <u>2483</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>42.3</u> 8. MSA FROM: CFV NDB 2800										MAG VAR: 5E		EPOCH YEAR: 2000				
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	
S-ILS 35	1021	1/2	200	1021	1/2	200	1021	1/2	200		NA					
S-LOC 35	1200	1/2	379	1200	1/2	379	1200	5/8	379		NA					
CIRCLING	1300	1	475	1300	1	475	1300	1 1/2	475		NA					
NOTES: CHART NOTE: DME REQUIRED. CHART NOTE: CIRCLING RWY 04 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE COFFEYVILLE ALTIMETER SETTING AND INCREASE ALL DA 35 FEET, ALL MDA 40 FEET, AND INCREASE S-LOC 35 CAT C VISIBILITY 1/8 SM. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 825 TDZE: 821				FACILITY IDENTIFIER: I-IDP		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
INDEPENDENCE, KS		AIRPORT NAME: INDEPENDENCE MUNI						ILS OR LOC RWY 35, AMDT 1D 22 JUNE 2017				AMDT: 1C				
												DATED 08/25/2014				



ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 35 CAT C VISIBILITY TO 1 1/8 SM.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING COFFEYVILLE ALTIMETER SETTING, INCREASE S-LOC CAT C VISIBILITY TO 1 1/4 SM.



CITY AND STATE INDEPENDENCE, KS	ELEVATION: 825 TDZE: 821 AIRPORT NAME: INDEPENDENCE MUNI	FACILITY IDENTIFIER: I-IDP	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 35, AMDT 1D 22 JUNE 2017	SUP:
				AMDT: 1C
				DATED: 08/25/2014

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES																	MISSED APPROACH									
FROM				TO				COURSE AND DISTANCE				ALTITUDE		LP: RW32 LNAV: RW32												
JENNA				SHOED (TF) (FB) (RNP 2.00)				282.92 / 9.29				3100		CLIMB TO 3100 DIRECT ZOROD AND HOLD.												
MOKPE				CREPY (TF) (FB) (RNP 2.00)				034.09 / 9.53				4000														
SHOED (IAF)				PEPOE (TF) (FB) (RNP 1.00)				229.48 / 8.00				3100														
CREPY (IAF)				PEPOE (TF) (FB) (RNP 1.00)				049.36 / 8.00				3100														
PEPOE (IF)				WEGON (TF) (FO) (RNP 1.00)				319.42 / 7.02				1900														
(SEE FORM 8260-10)														ADDITIONAL FLIGHT DATA: HOLD NW, LT, 139.25 INBOUND. CHART FAS OBST: 330 TOWER 323005N/0934244W CHART FAS OBST: 436 POLE 323129N/0934248W WAAS CHANNEL # 58140 REFERENCE PATH ID: W32A CHART CIRCLING ICON. WEGON TO RW32: 3.00/40 LTP HAE: 28.7 M												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																										
2. PROFILE STARTS AT PEPOE																										
3. FAC: 319.38 FAF: WEGON DIST FAF TO MAP: 5.28 THLD: 5.28																										
4. MIN. ALT: PEPOE 3100, WEGON 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: RW32 3100																										
MAG VAR: 1E EPOCH YEAR: 2020																										
MINIMUMS																										
TAKEOFF: 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											
LP MDA	580	1	401	580	1	401	580	1 1/8	401	580	1 1/8	401														
LNAV MDA	740	1	561	740	1	561	740	1 5/8	561	740	1 5/8	561														
CIRCLING	800	1	621	920	1	741	1100	2 3/4	921	1100	3	921														
NOTES: CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. @ CAT C 1000-2 3/4, CAT D 1000-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT JENNA ON V94 EAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MOKPE ON V407 SOUTHWEST BOUND. (CONTINUED ON PAGE 2)																										
CITY AND STATE SHREVEPORT, LA				ELEVATION: 179 TDZE: 179 AIRPORT NAME: SHREVEPORT DOWNTOWN				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 22 JUNE 2017						SUP: AMDT: NONE DATED										

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WEGON (FAF)	RW32 (MAP) (TF) (FO) (RNP 0.30)	319.38 / 5.28	
RW32 (MAP)	579 MSL (CA)	319.38	
579 MSL	ZOROD (DF) (FO) (RNP 1.00)		3100

NOTES, (CONT.):

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: STRAIGHT-IN RWY 32 NA AT NIGHT. CIRCLING RWY 5, 23, 32 NA AT NIGHT.

CITY AND STATE
SHREVEPORT, LA

ELEVATION: 179 TDZE: 179
AIRPORT NAME:
SHREVEPORT DOWNTOWN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32, ORIG
22 JUNE 2017

SUP:
AMDT: NONE
DATED:

QUALITY
4
CHECKED

**RNAV 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	KDTN
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	323207.2455N
LTP/FTP LONGITUDE	0934424.1365W
LTP/FTP ELLIPSOIDAL HEIGHT	+00287
FPAP LATITUDE	323315.9725N
FPAP LONGITUDE	0934531.4155W
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)	0.0
 <u>CRC REMAINDER</u>	 67619A66

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00546
FPAP ORTHOMETRIC HEIGHT	+00546

QUALITY
4
CHECKED

CITY AND STATE SHREVEPORT, LA	ELEVATION: 179 AIRPORT NAME: SHREVEPORT DOWNTOWN	TDZE: 179 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, ORIG 22 JUNE 2017	SUP:
				AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33						Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH					
FROM			TO			COURSE AND DISTANCE			ALTITUDE			LNAV: RW09					
CELUB (IF/IAF)			LOFWY (TF) (FB) (RNP 1.00)			095.54 / 7.80			2300			CLIMBING LEFT TURN TO 2700 DIRECT CELUB AND HOLD.					
LOFWY (FAF)			RW09 (MAP) (TF) (FO) (RNP 0.30)			095.66 / 3.84											
RW09 (MAP)			1127 MSL (CA)			095.66			2700			ADDITIONAL FLIGHT DATA: CHART FAS OBST: 920 TOWER 423208N/0831452W 1070 AAO 423251N/0831633W CHART CIRCLING ICON. LOFWY TO RW09: 3.75/44.					
1127 MSL			CELUB (DF) (FO) (RNP 1.00)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. HOLD W CELUB, RT, 095.54 INBOUND, 2700 FT. IN LIEU OF PT (IAF)																	
3. FAC: 095.66 FAF: LOFWY DIST FAF TO MAP: 3.84 THLD: 3.84																	
4. MIN. ALT: CELUB 2700, LOFWY 2300																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																	
8. MSA FROM: _____												MAG VAR: 6W			EPOCH YEAR: 1995		
MINIMUMS																	
TAKEOFF: 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	1220	1	493	1220	1	493	1220	1 3/8	493		NA						
CIRCLING	1400	1	673	1400	1	673	1400	2	673		NA						
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: STRAIGHT-IN RWY 9 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. CHART NOTE: CIRCLING RWY 27 NA AT NIGHT. (CONTINUED ON PAGE 2)																	
CITY AND STATE TROY, MI			ELEVATION: 727 TDZE: 727 AIRPORT NAME: OAKLAND/TROY			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 3 22 JUNE 2017						SUP: AMDT: 2A DATED 06/26/2014		

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.

TAA

	FROM	TO	ALT
1.	006/30 CW 186/30 (NOPT)	006/13 CW 186/13	3100
2.	006/13 CW 186/13	CELUB (IF/IAF) (FB)	2700
3.	186/30 CW 006/30	CELUB (IF/IAF) (FO)	2900



CITY AND STATE TROY, MI	ELEVATION: 727 TDZE: 727 AIRPORT NAME: OAKLAND/TROY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 3 22 JUNE 2017	SUP:
				AMDT: 2A
				DATED: 06/26/2014

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: UXUXY						
OCSIP		ZINEP (TF) (FO) (RNP 2.00)		141.90 / 30.91				2200		CLIMBING LEFT TURN TO 3000 DIRECT OCSIP AND HOLD.						
RBX VOR/DME		ZINEP (TF) (FO) (RNP 2.00)		142.06 / 11.10				2200								
ZOLMN (IAF)		ZINEP (NOPT) (TF) (FB) (RNP 1.00)		338.99 / 10.86				2200		ADDITIONAL FLIGHT DATA: HOLD SE, RT, 318.00 INBOUND. FAS OBST: 230 AAO 355915N/0753942W CHART CIRCLING ICON. OYUDI TO RW03: 3.00/40. FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 25.00 DEGREES.						
ZINEP (IF/IAF)		OYUDI (TF) (FB) (RNP 1.00)		331.08 / 10.10				1700								
OYUDI (FAF)		UXUXY (MAP) (TF) (FO) (RNP 0.30)		000.95 / 4.73												
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. HOLD SE ZINEP, RT, 330.00 INBOUND, 2200 FT. IN LIEU OF PT (IAF)																
3. FAC: 000.95 FAF: OYUDI DIST FAF TO MAP: 4.73 THLD: 5.18																
4. MIN. ALT: ZINEP 2200, OYUDI 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: RW03 2100																
MAG VAR: 11W EPOCH YEAR: 2020																
MINIMUMS																
TAKEOFF: 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		480	1	468	480	1	468		NA			NA				
CIRCLING		520	1	508	540	1	528		NA			NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																
CITY AND STATE KILL DEVIL HILLS, NC		ELEVATION: 12 TDZE: 12 AIRPORT NAME: FIRST FLIGHT		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 3, ORIG 22 JUNE 2017						SUP: AMDT: NONE DATED				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
UXUXY (MAP)	412 MSL	000.95	
412 MSL	OCSIP (DF) (FO) (RNP 1.00)		3000

CITY AND STATE
KILL DEVIL HILLS, NC

ELEVATION: 12 TDZE: 12
AIRPORT NAME:
FIRST FLIGHT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 3, ORIG
22 JUNE 2017

SUP:
AMDT: NONE
DATED:

QUALITY
22
CHECKED

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LP: OYOCE LNAV: OYOCE					
ALGTR		YELUS (TF) (FO) (RNP 2.00)		048.41 / 20.12				2200		CLIMBING RIGHT TURN TO 3000 DIRECT OCSIP AND HOLD.					
RBX VOR/DME		YELUS (TF) (FO) (RNP 2.00)		352.20 / 17.68				2200							
OCSIP (IAF)		YELUS (NOPT) (TF) (FB) (RNP 1.00)		078.91 / 9.96				2200							
YELUS (IF/IAF)		UHAWO (TF) (FB) (RNP 1.00)		148.10 / 9.33				1600							
UHAWO (FAF)		OYOCE (MAP) (TF) (FO) (RNP 0.30)		175.95 / 3.24						ADDITIONAL FLIGHT DATA: HOLD SE, RT, 318.00 INBOUND. FAS OBST: 200 AAO 360257N/0754000W FAS OBST: 236 AAO 360348N/0754136W CHART 333 TOWER 360431N/0754307W WAAS CHANNEL # 50240 REFERENCE PATH ID: W21A CHART CIRCLING ICON. UHAWO TO RW21: 3.75/40. FICTITIOUS THRESHOLD POINT (CFVKL) DO NOT CHART. FAC CROSSES RWY C/L EXTENDED 4500 FT FROM THLD. CHART PLANVIEW NOTE: FINAL APPROACH COURSE OFFSET 30 DEGREES. LTP HAE: -36.5 M					
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 11W EPOCH YEAR: 2020					
2. HOLD NW YELUS, RT, 148.10 INBOUND, 2200 FT. IN LIEU OF PT (IAF)															
3. FAC: 175.95 FAF: UHAWO DIST FAF TO MAP: 3.24 THLD: 3.89															
4. MIN. ALT: YELUS 2200, UHAWO 1600															
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 2100															
MINIMUMS															
TAKEOFF: 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
LP MDA	460	1	448	460	1	448		NA			NA				
LNAV MDA	500	1	488	500	1	488		NA			NA				
CIRCLING	520	1	508	540	1	528		NA			NA				
NOTES: CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT															
CITY AND STATE KILL DEVIL HILLS, NC		ELEVATION: 12 TDZE: 12 AIRPORT NAME: FIRST FLIGHT		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG 22 JUNE 2017				SUP: AMDT: NONE DATED					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
OYOCE (MAP)	412 MSL	175.95	
412 MSL	OCSIP (DF) (FO) (RNP 1.00)		3000

CITY AND STATE
KILL DEVIL HILLS, NC

ELEVATION: 12 TDZE: 12
AIRPORT NAME:
FIRST FLIGHT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 21, ORIG
22 JUNE 2017

SUP: 22
AMDT: NONE
DATED:

QUALITY
22
CHECKED

**RNAV 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	KFFA
RUNWAY	RW21
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W21A
LTP/FTP LATITUDE	360123.4540N
LTP/FTP LONGITUDE	0753946.4930W
LTP/FTP ELLIPSOIDAL HEIGHT	-00365
FPAP LATITUDE	355957.2815N
FPAP LONGITUDE	0753917.9980W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.75
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 54D6DCBD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00024
FPAP ORTHOMETRIC HEIGHT	+00024

CITY AND STATE

KILL DEVIL HILLS, NC

ELEVATION: 12

TDZE: 12

AIRPORT NAME:

FIRST FLIGHT

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 21, ORIG

22 JUNE 2017

SUP:

AMDT:

DATED:

 QUALITY
22
CHECKED

NONE

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
KILL DEVIL HILLS	FIRST FLIGHT	22 JUNE 2017	ORIG

TAKEOFF MINIMUMS:
RWY 03, 21: STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 21 : TREE, 11 FT FROM DER, 481 FT RIGHT OF CENTERLINE, 79 FT MSL. TREES BEGINNING 12 FT FROM DER, 277 FT RIGHT OF CENTERLINE, UP TO 91 FT MSL. TREES BEGINNING 18 FT FROM DER, 149 FT RIGHT OF CENTERLINE, UP TO 93 FT MSL. TREE, 20 FT FROM DER, 318 FT LEFT OF CENTERLINE, 71 FT MSL. TREES BEGINNING 42 FT FROM DER, 213 FT LEFT OF CENTERLINE, UP TO 75 FT MSL. TREES BEGINNING 115 FT FROM DER, 150 FT LEFT OF CENTERLINE, UP TO 79 FT MSL. TREES BEGINNING 212 FT FROM DER, 142 FT LEFT OF CENTERLINE, UP TO 81 FT MSL. TREES BEGINNING 334 FT FROM DER, 155 FT LEFT OF CENTERLINE, UP TO 84 FT MSL. TREES BEGINNING 347 FT FROM DER, 162 FT LEFT OF CENTERLINE, UP TO 85 FT MSL. TREES BEGINNING 441 FT FROM DER, 167 FT LEFT OF CENTERLINE, UP TO 86 FT MSL. TREES BEGINNING 483 FT FROM DER, 340 FT RIGHT OF CENTERLINE, UP TO 94 FT MSL. TREES BEGINNING 497 FT FROM DER, 205 FT RIGHT OF CENTERLINE, UP TO 95 FT MSL. TREE, POLE BEGINNING 616 FT FROM DER, 192 FT RIGHT OF CENTERLINE, UP TO 97 FT MSL. TREE, 2798 FT FROM DER, 876 FT LEFT OF CENTERLINE, 90 FT MSL. ANT 2852 FT FROM DER, 470 FT LEFT OF CENTERLINE, 110 FT MSL.

NOTE: RWY 3 : TREES BEGINNING 2 FT FROM DER, 214 FT LEFT OF CENTERLINE, UP TO 71 FT MSL. TREE, BLDG BEGINNING 88 FT FROM DER, 28 FT LEFT OF CENTERLINE, UP TO 75 FT MSL. POLE, 339 FT FROM DER, 201 FT RIGHT OF CENTERLINE, 21 FT MSL. TREES BEGINNING 365 FT FROM DER, 37 FT RIGHT OF CENTERLINE, UP TO 25 FT MSL. TREE, 454 FT FROM DER, 207 FT RIGHT OF CENTERLINE, 30 FT MSL. TREES BEGINNING 467 FT FROM DER, 64 FT RIGHT OF CENTERLINE, UP TO 34 FT MSL. TREE, 731 FT FROM DER, 274 FT RIGHT OF CENTERLINE, 35 FT MSL. TREE, 909 FT FROM DER, 384 FT RIGHT OF CENTERLINE, 44 FT MSL. POLE BEGINNING 1301 FT FROM DER, 236 FT RIGHT OF CENTERLINE, UP TO 105 FT MSL. POLE BEGINNING 2109 FT FROM DER, 133 FT LEFT OF CENTERLINE, UP TO 105 FT MSL.

CONTROLLING OBSTACLES:

QUALITY
22
CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.
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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
KILL DEVIL HILLS	FIRST FLIGHT	22 JUNE 2017	ORIG

REMARKS:

FLIGHT INSPECTED BY:

JORDAN ROLIH
*Digitally signed by
JACOB POWERS
Apr 05, 2017*

OFFICE SYMBOL:

FICO

DATE:

3/2/2017

DEVELOPED BY:

RODNEY RUMSEY

RODNEY L RUMSEY

*Digitally signed by RODNEY L RUMSEY
Date: 2016.12.09 08:53:13 -06'00'*

OFFICE SYMBOL:

AJV-5432

DATE:

10/01/2016

APPROVED BY:

LONNIE EVERHART
*Digitally signed by
JACOB POWERS
Apr 05, 2017*

OFFICE SYMBOL:

AJV-5430

DATE:

REQUIRED EFFECTIVE DATE:

CONCURRENT WITH AIRSPACE DOCKET 16-ASO-5

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA



OTHER:

CHANGES - REASONS:

ORIGINAL PROCEDURE



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		LPV: DA LNAV/VNAV: DA LNAV: RW09 CLIMB TO 4700 DIRECT JUTIL AND ON TRACK 018.06 TO WISEK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 123.24 INBOUND. DISTANCE TO THLD FROM 250 HAT: 0.70 NM. CHART VDP AT 1.15 NM TO RW09* *LNAV ONLY. WAAS CHANNEL # 99630 REFERENCE PATH ID: W09A LTP HAE: 515.9 M									
WISEK		ZUKEP (TF) (FO) (RNP 2.00)			249.93 / 23.96			3900											
YAITS		ZUKEP (TF) (FO) (RNP 2.00)			347.04 / 10.83			3900											
OHROR (IAF)		ZUKEP (NOPT) (TF) (FB) (RNP 1.00)			132.74 / 17.59			3900											
SHYLS (IAF)		ZUKEP (NOPT) (TF) (FB) (RNP 1.00)			063.30 / 22.29			3900											
ZUKEP (IF/IAF) (SEE FORM 8260-10)		IRSEH (TF) (FB) (RNP 1.00)			099.95 / 7.68			3500											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W ZUKEP, RT, 099.95 INBOUND, 3900 FT. IN LIEU OF PT (IF/IAF) 3. FAC: 100.08 FAF: IRSEH DIST FAF TO MAP: 5.32 THLD: 5.32 4. MIN. ALT: ZUKEP 3900, IRSEH 3500, WEDVA/2.50 NM TO RW09 2600* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3500 GS ALT AT: IRSEH 3500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW09 3700																MAG VAR: 6E		EPOCH YEAR: 2015	
MINIMUMS																			
TAKEOFF: 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	2027	1	250	2027	1	250	2027	1	250		NA								
LNAV/VNAV DA	2091	1	314	2091	1	314	2091	1	314		NA								
LNAV MDA	2160	1	383	2160	1	383	2160	1 1/8	383		NA								
CIRCLING	2220	1	441	2360	1	581	2380	1 3/4	601		NA								
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WISEK ON V15 SOUTHEAST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT YAITS ON V71 SOUTH BOUND. (CONTINUED ON PAGE 2)																			
CITY AND STATE LINTON, ND		ELEVATION: 1779 TDZE: 1777 AIRPORT NAME: LINTON MUNI			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG-B 22 JUNE 2017					SUP: AMDT: ORIG-A DATED 04/02/2015							



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.	
RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33				
TERMINAL ROUTES, (CONT.):				
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
IRSEH (FAF)	WEDVA/2.50 NM TO RW09 (TF) (FB) (RNP 0.30)	100.08 / 2.82		
WEDVA/2.50 NM TO RW09	RW09 (MAP) (TF) (FO) (RNP 0.30)	100.08 / 2.50		
RW09 (MAP)	2027 MSL (CA)	100.08		
2027 MSL	JUTIL (DF) (FB) (RNP 1.00)			
JUTIL	WISEK (TF) (FO) (RNP 1.00)	018.06 / 12.25	4700	
NOTES, (CONT.): CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *LNAV ONLY CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BISMARCK MUNI ALTIMETER SETTING AND INCREASE ALL DA 107 FT AND VISIBILITY LPV 1/4 MILE ALL CATS, LNAV/VNAV 1/2 MILE ALL CATS; INCREASE ALL MDA 120 FT AND VISIBILITY LNAV CAT C AND CIRCLING CAT C 1/4 MILE. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING BISMARCK MUNI ALTIMETER SETTING.				
QUALITY 18 CHECKED				
CITY AND STATE	ELEVATION: 1779 TDZE: 1777	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
LINTON, ND	AIRPORT NAME:	RNAV	RNAV (GPS) RWY 9, ORIG-B	AMDT: ORIG-A
	LINTON MUNI		22 JUNE 2017	DATED: 04/02/2015

**RNAV 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	7L2
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	461319.3900N
LTP/FTP LONGITUDE	1001509.5125W
LTP/FTP ELLIPSOIDAL HEIGHT	+05159
FPAP LATITUDE	461254.5700N
FPAP LONGITUDE	1001306.2800W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

956495A7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05379
FPAP ORTHOMETRIC HEIGHT	+05379

QUALITY
18
CHECKED

CITY AND STATE

LINTON, ND

ELEVATION: 1779

TDZE: 1777

AIRPORT NAME:

LINTON MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, ORIG-B

22 JUNE 2017

SUP:

AMDT: ORIG-A

DATED: 04/02/2015

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		LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 3600 DIRECT IRSEH AND ON TRACK 300.84 TO LINTN AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 165.34 INBOUND. CHART FAS OBST: 1893 TREE 461254N/1001415W CHART: 2039 TREE 461257N/1001027W DISTANCE TO THLD FROM 250 HAT: 0.70 NM. CHART VDP AT 1.11 NM TO RW27* *LNAV ONLY. WAAS CHANNEL # 86630 REFERENCE PATH ID: W27A LTP HAE: 520.1 M						
LINTN		WADGA (TF) (FO) (RNP 2.00)			107.25 / 28.85			3800								
IRIWY (IAF)		WADGA (NOPT) (TF) (FB) (RNP 1.00)			280.77 / 22.13			3800								
WADGA (IF/IAF)		OKVAE (TF) (FB) (RNP 1.00)			280.40 / 7.72			3500								
OKVAE (FAF)		CISOX/2.50 NM TO RW27 (TF) (FB) (RNP 0.30)			280.27 / 2.78											
CISOX/2.50 NM TO RW27		RW27 (MAP) (TF) (FO) (RNP 0.30)			280.22 / 2.50											
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E WADGA, RT, 280.40 INBOUND, 3800 FT. IN LIEU OF PT (IAF) 3. FAC: 280.27 FAF: OKVAE DIST FAF TO MAP: 5.28 THLD: 5.28 4. MIN. ALT: WADGA 3800, OKVAE 3500, CISOX/2.50 NM TO RW27 2500* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3500 GS ALT AT: OKVAE 3500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW27 3700																
											MAG VAR: 6E			EPOCH YEAR: 2015		
MINIMUMS																
TAKEOFF: 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	2029	1	250	2029	1	250	2029	1	250		NA					
LNAV/VNAV DA	2043	1	264	2043	1	264	2043	1	264		NA					
LNAV MDA	2160	1	381	2160	1	381	2160	1 1/8	381		NA					
CIRCLING	2220	1	441	2360	1	581	2380	1 3/4	601		NA					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -18C (0F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LINTN ON V71 NORTH BOUND. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 1779 TDZE: 1779			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
LINTON, ND		AIRPORT NAME:			LINTON MUNI		RNAV (GPS) RWY 27, ORIG-B					AMDT: ORIG-A				
							22 JUNE 2017					DATED 02/05/2015				

 QUALITY
4
CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW27 (MAP)	2029 MSL (CA)	280.22	
2029 MSL	IRSEH (DF) (FB) (RNP 1.00)		
IRSEH	LINTN (TF) (FO) (RNP 1.00)	300.84 / 10.36	3600

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IRIWY ON V15 SOUTHEAST BOUND.

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

*LNAV ONLY

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BISMARCK MUNI ALTIMETER SETTING AND INCREASE ALL DA 107 FT AND VISIBILITY LPV AND LNAV/VNAV 1/4 MILE ALL CATS; INCREASE ALL MDA 120 FT AND VISIBILITY LNAV CAT C AND CIRCLING CAT C 1/4 MILE.

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

QUALITY
4
CHECKED

CITY AND STATE LINTON, ND	ELEVATION: 1779 AIRPORT NAME: LINTON MUNI	TDZE: 1779 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG-B 22 JUNE 2017	SUP:
				AMDT: ORIG-A
				DATED: 02/05/2015

**RNAV 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	7L2
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	461309.2240N
LTP/FTP LONGITUDE	1001418.9810W
LTP/FTP ELLIPSOIDAL HEIGHT	+05201
FPAP LATITUDE	461334.0200N
FPAP LONGITUDE	1001622.2300W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 AD8A99A7

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY
4
CHECKED

CITY AND STATE LINTON, ND	ELEVATION: 1779 AIRPORT NAME: LINTON MUNI	TDZE: 1779 LINTON MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 27, ORIG-B 22 JUNE 2017	SUP:
					AMDT: ORIG-A
					DATED: 02/05/2015

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ADDITIONAL FLIGHT DATA:							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: _____ EPOCH YEAR: _____							
2. _____																	
3. FAC: _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____																	
4. MIN. ALT: _____																	
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: _____																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A							
CATEGORY =====>																	
		DH/MDA VIS		DH/MDA VIS				DH/MDA VIS				DH/MDA VIS					
NOTES:																	
PROCEDURE CANCELED EFFECTIVE 22 JUNE 2017																	
CITY AND STATE DUNKIRK, NY		ELEVATION: 692 TDZE: 677 AIRPORT NAME: CHAUTAUQUA COUNTY/DUNKIRK		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, ORIG-A, 08/20/2015						SUP: AMDT: ORIG DATED 04/30/2015					

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LNAV: RW15							
MYPAL (IAF)		CISKI (TF) (FB) (RNP 1.00)		216.44 / 13.16			3200		CLIMB TO 1100 THEN CLIMBING LEFT TURN TO 3200 DIRECT TRUNT AND HOLD.							
MOAWK (IAF)		CISKI (TF) (FB) (RNP 1.00)		120.63 / 19.38			3200									
CISKI (IF)		AYEHI (TF) (FB) (RNP 1.00)		149.18 / 5.98			2300									
AYEHI (FAF)		RW15 (MAP) (TF) (FO) (RNP 0.30)		149.24 / 5.02												
RW15 (MAP)		1100 MSL (CA)		149.24			1100		ADDITIONAL FLIGHT DATA: HOLD NE, RT, 239.42 INBOUND. FAS OBST: 771 SHIP 423203N/0792000W CHART VDP AT 1.14 NM TO RW15. CHART CIRCLING ICON. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.							
1100 MSL		TRUNT (DF) (FO) (RNP 1.00)					3200									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 10W EPOCH YEAR: 2015						
2. PROFILE STARTS AT CISKI																
3. FAC: 149.24 FAF: AYEHI DIST FAF TO MAP: 5.02 THLD: 5.02																
4. MIN. ALT: CISKI 3200, AYEHI 2300																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																
8. MSA FROM: RW15 3900																
MINIMUMS																
TAKEOFF: 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		1060	1	376	1060	1	376	1060	1	376	1060	1	376			
CIRCLING		1200	1	508	1300	1	608	1640	2 3/4	948	2140	3	1448			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MYPAL ON V522 NORTHBOUND. CHART NOTE: RWY 15 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 6, 24, 33 NA AT NIGHT.																
CITY AND STATE DUNKIRK, NY		ELEVATION: 692 TDZE: 684 AIRPORT NAME: CHAUTAUQUA COUNTY/DUNKIRK		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, AMDT 1 22 JUNE 2017						SUP: AMDT: ORIG-A DATED 08/20/2015				

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ADDITIONAL FLIGHT DATA:							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: _____ EPOCH YEAR: _____							
2. _____																	
3. FAC: _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____																	
4. MIN. ALT: _____																	
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: _____																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A							
CATEGORY =====>																	
		DH/MDA VIS		DH/MDA VIS				DH/MDA VIS				DH/MDA VIS					
NOTES:																	
PROCEDURE CANCELED EFFECTIVE 22 JUNE 2017																	
CITY AND STATE DUNKIRK, NY		ELEVATION: 692 TDZE: 673 AIRPORT NAME: CHAUTAUQUA COUNTY/DUNKIRK		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, ORIG-A, 08/20/2015						SUP: AMDT: ORIG DATED 04/30/2015					

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: RW33 CLIMBING RIGHT TURN TO 3200 DIRECT TRUNT AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 239.42 INBOUND. FAS OBST: 1599 AAO 422612N/0791326W 1821 AAO 422436N/0791003W CHART CIRCLING ICON. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.							
LANGS		MOTAR (TF) (FB) (RNP 2.00)		199.47 / 11.15				5500									
MOTAR (IAF)		WEBBO (TF) (FB) (RNP 1.00)		248.58 / 8.70				3600									
JHW VOR/DME (IAF)		WEBBO (TF) (FB) (RNP 1.00)		023.38 / 8.35				3600									
WEBBO (IF)		RURLE (TF) (FB) (RNP 1.00)		329.42 / 4.42				3000									
RURLE		SCITE (TF) (FB) (RNP 1.00)		329.38 / 2.10				2800									
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT WEBBO 3. FAC: 329.35 FAF: SCITE DIST FAF TO MAP: 6.48 THLD: 6.48 4. MIN. ALT: WEBBO 3600, RURLE 3000, SCITE 2800, PIBPI/4.70 NM TO RW33 2240 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: RW33 3900																	
										MAG VAR: 10W			EPOCH YEAR: 2015				
MINIMUMS																	
TAKEOFF: 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	1860	1 1/4	1168	1860	1 1/2	1168	1860	3	1168	1860	3	1168					
CIRCLING	1860	1 1/4	1168	1860	1 1/2	1168	1860	3	1168	2140	3	1448					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LANGS ON V115 NORTHBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON JHW VOR/DME AIRWAY RADIALS 346 CW 103. CHART NOTE: RWY 33 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: STRAIGHT-IN RWY 33 NA AT NIGHT, CIRCLING RWY 6, 24, 33 NA AT NIGHT.																	
CITY AND STATE DUNKIRK, NY				ELEVATION: 692 TDZE: 692 AIRPORT NAME: CHAUTAUQUA COUNTY/DUNKIRK				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 33, ORIG-B 22 JUNE 2017				SUP:	
																AMDT: ORIG-A	
																DATED 08/20/2015	

QUALITY
 25
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SCITE (FAF)	PIBPI/4.70 NM TO RW33 (TF) (FB) (RNP 0.30)	329.35 / 1.78	
PIBPI/4.70 NM TO RW33	RW33 (MAP) (TF) (FO) (RNP 0.30)	329.35 / 4.70	
RW33 (MAP)	1092 MSL (CA)	329.35	
1092 MSL	TRUNT (DF) (FO) (RNP 1.00)		3200

QUALITY
25
CHECKED

CITY AND STATE

DUNKIRK, NY

ELEVATION: 692

TDZE: 692

AIRPORT NAME:

CHAUTAUQUA COUNTY/DUNKIRK

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 33, ORIG-B

22 JUNE 2017

SUP:

AMDT: ORIG-A

DATED: 08/20/2015

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES										MISSED APPROACH							
FROM		TO		COURSE AND DISTANCE		ALTITUDE		LNAV: RW24									
BUF VOR/DME (IAF)		TRUNT (TF) (FB) (RNP 1.00)		235.77 / 27.62		3200		CLIMB TO 1900 THEN CLIMBING RIGHT TURN TO 3200 DIRECT TRUNT AND HOLD.									
LANGS (IAF)		TRUNT (TF) (FB) (RNP 1.00)		288.28 / 10.00		3200											
TRUNT (IF)		NOKAA (TF) (FB) (RNP 1.00)		239.42 / 4.83		2300											
NOKAA (FAF)		CUVBA/2.90 NM TO RW24 (TF) (FB) (RNP 0.30)		239.36 / 2.11													
CUVBA/2.90 NM TO RW24		RW24 (MAP) (TF) (FO) (RNP 0.30)		239.36 / 2.90				ADDITIONAL FLIGHT DATA: HOLD NE, RT, 239.42 INBOUND. CHART FAS OBST: 819 TREE 423115N/0791250W CHART CIRCLING ICON. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.									
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. PROFILE STARTS AT TRUNT																	
3. FAC: 239.36 FAF: NOKAA DIST FAF TO MAP: 5.01 THLD: 5.01																	
4. MIN. ALT: TRUNT 3200, NOKAA 2300, CUVBA/2.90 NM TO RW24 1440																	
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: RW24 3900																	
MAG VAR: 10W EPOCH YEAR: 2015																	
MINIMUMS																	
TAKEOFF: 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	
CIRCLING		1200	1	508	1300	1	608	1640	2 3/4	948	2140	3	1448				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LANGS ON V115 NORTHBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON BUF VOR/DME AIRWAY RADIALS 158 CW 267. CHART NOTE: CIRCLING RWY 6, 24, 33 NA AT NIGHT. CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																	
CITY AND STATE DUNKIRK, NY		ELEVATION: 692 TDZE: AIRPORT NAME: CHAUTAUQUA COUNTY/DUNKIRK		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, ORIG 22 JUNE 2017						SUP: AMDT: NONE DATED					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW24 (MAP)	1900 MSL (CA)	239.36	1900
1900 MSL	TRUNT (DF) (FO) (RNP 1.00)		3200

QUALITY
25
CHECKED

CITY AND STATE
DUNKIRK, NY

ELEVATION: 692 TDZE:
AIRPORT NAME:
CHAUTAUQUA COUNTY/DUNKIRK

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS)-A, ORIG
22 JUNE 2017

SUP:
AMDT: NONE
DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LNAV: RW06						
JHW VOR/DME		CRYST (TF) (FB) (RNP 2.00)		291.35 / 15.38				4300		CLIMB TO 3200 DIRECT TRUNT AND HOLD.						
CRYST (IAF)		SERCH (TF) (FB) (RNP 1.00)		008.07 / 7.86				3400								
FOUTN (IAF)		SERCH (TF) (FB) (RNP 1.00)		087.91 / 5.00				3400								
SERCH (IF)		ROCIN (TF) (FB) (RNP 1.00)		059.16 / 5.09				2600								
ROCIN (FAF)		POYIB/3.10 NM TO RW06 (TF) (FB) (RNP 0.30)		059.22 / 2.81						ADDITIONAL FLIGHT DATA: HOLD NE, RT, 239.42 INBOUND. CHART FAS OBST: 880 WINDMILL 422755N/0791749W 1079 AAO 422427N/0792156W 959 AAO 422649N/0791931W CHART CIRCLING ICON. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.						
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. PROFILE STARTS AT SERCH																
3. FAC: 059.22 FAF: ROCIN DIST FAF TO MAP: 5.91 THLD: 5.91																
4. MIN. ALT: SERCH 3400, ROCIN 2600, POYIB/3.10 NM TO RW06 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: RW06 3900																
MAG VAR: 10W EPOCH YEAR: 2015																
MINIMUMS																
TAKEOFF: 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
CIRCLING		1200	1	508	1300	1	608	1640	2 3/4	948	2140	3	1448			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FOUTN ON V14-522 SOUTHWEST BOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON JHW VOR/DME AIRWAY RADIALS 212 CW 346. CHART NOTE: CIRCLING RWY 6, 24, 33 NA AT NIGHT. CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																
CITY AND STATE DUNKIRK, NY		ELEVATION: 692 TDZE: AIRPORT NAME: CHAUTAUQUA COUNTY/DUNKIRK		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 22 JUNE 2017						SUP: AMDT: NONE DATED				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

<u>FROM</u>	<u>TO</u>	<u>COURSE AND DISTANCE</u>	<u>ALTITUDE</u>
POYIB/3.10 NM TO RW06	RW06 (MAP) (TF) (FO) (RNP 0.30)	059.22 / 3.10	
RW06 (MAP)	1092 MSL (CA)	059.22	
1092 MSL	TRUNT (DF) (FO) (RNP 1.00)		3200

QUALITY
25
CHECKED

CITY AND STATE DUNKIRK, NY	ELEVATION: 692	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 22 JUNE 2017	SUP:
	AIRPORT NAME:				AMDT: NONE
	CHAUTAUQUA COUNTY/DUNKIRK				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											
										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: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 22 JUNE 2017																			
CITY AND STATE DUNKIRK, NY				ELEVATION: 692 TDZE: 673 AIRPORT NAME: CHAUTAUQUA COUNTY/DUNKIRK				FACILITY IDENTIFIER: DKK		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 24, AMDT 8A, 08/20/2015				SUP AMDT DATE		QUALITY 8 CHECKED 04/30/2015			

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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.

CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
POUGHKEEPSIE, NY	HUDSON VALLEY RGNL	22 JUNE 2017	2A

TAKEOFF MINIMUMS:

RWY 7, 25: NA-VFR ONLY

RWY 24: STANDARD

RWY 6: 500-3 WITH MINIMUM CLIMB OF 250 FT PER NM TO 1000 OR STANDARD WITH MINIMUM CLIMB OF 537 FT PER NM TO 800 OR 1700-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.

RWY 15: 400-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 700.

RWY 33: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 500.

TEXTUAL DEPARTURE PROCEDURES:

RWY 6: CLIMB HEADING 062.77 TO 2000 BEFORE PROCEEDING ON COURSE.

RWY 15: CLIMBING LEFT TURN DIRECT IGN VOR/DME TO 1400 BEFORE PROCEEDING ON COURSE.

RWY 24: CLIMB HEADING 242.79 TO 1800 BEFORE PROCEEDING ON COURSE.

RWY 33: CLIMBING RIGHT TURN DIRECT IGN VOR/DME THEN ON IGN R-070 TO 2200 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

RWY 6: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS HUDSON VALLEY RGNL AIRPORT AT OR ABOVE 1700 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 6, TERRAIN AND FENCES BEGINNING 92 FT FROM DER, 64 FT RIGHT OF CENTERLINE, UP TO 9 FT AGL/166 FT MSL. FENCES BEGINNING 372 FT FROM DER, 78 FT LEFT OF CENTERLINE, UP TO 9 FT AGL/168 FT MSL. POLES, TREES, TOWER, AND ANTENNA BEGINNING 185 FT FROM DER, 384 FT RIGHT OF CENTERLINE, UP TO 101 FT AGL/262 FT MSL. TREES BEGINNING 949 FT FROM DER, 86 FT RIGHT OF CENTERLINE, UP TO 70 FT AGL/229 FT MSL. TERRAIN AND TREES BEGINNING 881 FT FROM DER, 395 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/228 FT MSL. POLE AND TREES BEGINNING 2419 FT FROM DER, 6 FT LEFT OF CENTERLINE, UP TO 97 FT AGL/306 FT MSL. POLE, BUILDING, AND TREES BEGINNING 2795 FT FROM DER, 16 FT RIGHT OF CENTERLINE, UP TO 97 FT AGL/306 FT MSL. TREES 2754 FT FROM DER, 1232 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/346 FT MSL. TRANSMISSION TOWER 2.5 NM FROM DER, 602 FT LEFT OF CENTERLINE, 132 FT AGL/604 FT MSL. TREES 2.6 NM FROM DER, 1482 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/557 FT MSL.

NOTE: RWY 15, SIGN, BUILDINGS, POLES, AND TREES BEGINNING 47 FT FROM DER, 86 FT LEFT OF CENTERLINE, UP TO 25 FT AGL/187 FT MSL. FENCE, POLE, BUILDINGS, AND TREES BEGINNING 301 FT FROM DER, 85 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/214 FT MSL. BUILDINGS AND TREES BEGINNING 107 FT FROM DER, 369 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/224 FT MSL. ANTENNA, POLES, BUILDINGS, AND TREES BEGINNING 594 FT FROM DER, 29 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/275 FT MSL. POLES, BUILDINGS, AND TREES BEGINNING 528 FT FROM DER, 19 FT RIGHT OF CENTERLINE, UP TO 56 FT AGL/288 FT MSL. POLES AND TREES BEGINNING 2687 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/315 FT MSL. POLES, BUILDINGS, AND TREES BEGINNING 3493 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL/315 FT MSL. TREES 3393 FT FROM DER, 1153 FT RIGHT OF CENTERLINE, UP TO 83 FT AGL/322 FT MSL. TREES 1.6 NM FROM DER, 1787 FT LEFT OF CENTERLINE, UP TO 95 FT AGL/534 FT MSL. TREES 1.8 NM FROM DER, 3119 FT RIGHT OF CENTERLINE, UP TO 46 FT AGL/455 FT MSL.

NOTE: RWY 33, SIGN 12 FT FROM DER, 85 FT RIGHT OF CENTERLINE, 2 FT AGL/157 FT MSL. POLE, BUILDINGS, AND TREES BEGINNING 100 FT FROM DER, 316 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/229 FT MSL. TREES BEGINNING 255 FT FROM DER, 241 FT RIGHT OF CENTERLINE, UP TO 74 FT AGL/233 FT MSL. TREES BEGINNING 606 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 102 FT AGL/221 FT MSL. TREES BEGINNING 686 FT FROM CENTERLINE, 5 FT RIGHT OF CENTERLINE, UP TO 111 FT AGL/230 FT MSL. TREES BEGINNING 1598 FT FROM DER, 15 FT LEFT OF CENTERLINE, UP TO 98 FT AGL/307 FT MSL. TREES BEGINNING 1632 FT FROM DER, 18 FT RIGHT OF CENTERLINE, UP TO 114 FT AGL/295 FT MSL. TREES 4824 FT FROM DER, 1742 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/320 FT MSL. TANK 1.1 NM FROM DER, 37 FT LEFT OF CENTERLINE, 105 FT AGL/360 FT MSL. TREES 1.2 NM FROM DER, 2094 FT RIGHT OF CENTERLINE, UP TO 96 FT AGL/345 FT MSL.

NOTE: RWY 24, VEHICLES ON ROAD AND TREES BEGINNING 7 FT FROM DER, 280 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/154 FT MSL. TREES BEGINNING 71 FT FROM DER, 180 FT RIGHT OF CENTERLINE, UP TO 77 FT AGL/182 FT MSL. TREES BEGINNING 706 FT FROM DER, 487 FT LEFT OF CENTERLINE, UP TO 78 FT AGL/227 FT MSL. TREES BEGINNING 661 FT FROM DER, 318 FT RIGHT OF CENTERLINE, UP TO 130 FT AGL/230 FT MSL. TREES BEGINNING 2072 FT FROM DER, 48 FT LEFT OF CENTERLINE, UP TO 112 FT AGL/265 FT MSL. TREES BEGINNING 1936 FT FROM DER, 42 FT RIGHT OF CENTERLINE, UP TO 137 FT AGL/270 FT MSL.

CONTROLLING OBSTACLES:

RWY 6: 346 FT MSL TREES 413816.78N/0735222.38W. 604 FT MSL TRANSMISSION TOWER 413931.94N/0735006.50W. 557 FT MSL TREES 413939.42N/0735012.58W. 779 FT MSL AAO 413956.45N/0734917.25W.

RWY 15: 322 FT MSL TREES 413655.73N/0735224.63W. 534 FT MSL TREES 413635.05N/0735108.90W. 455 FT MSL TREES 413544.24N/0735135.42W.

RWY 33: 320 FT MSL TREES 413813.42N/0735405.72W. 360 FT MSL TANK 413839.00N/0735406.00W. 345 FT MSL TREES 413856.89N/0735349.58W.

RWY 6 (VCOA): 629 FT MSL TREE 413929.45N/0735013.70W. 2000 FT MSL TOWER 414307.49N/0735945.41W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 6: 1609 FT MSL AAO 414118.00N/0734134.35W.

RWY 15: 1409 FT MSL AAO 413138.90N/0734607.70W.

RWY 24: 1809 FT MSL AAO 412853.50N/0735639.35W.

RWY 33: 2000 FT MSL TOWER 414307.49N/0735945.41W.



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
POUGHKEEPSIE, NY	HUDSON VALLEY RGNL	22 JUNE 2017	2A

REMARKS:

<u>FLIGHT INSPECTED BY:</u>	<i>Digitally signed by</i>	<u>OFFICE SYMBOL:</u>	<u>DATE:</u>
BOB S PRESSLER	ALLAN WILL	FICO	04/13/2017
	Apr 19, 2017		

<u>DEVELOPED BY:</u>	<i>Digitally signed by</i>	<u>OFFICE SYMBOL:</u>	<u>DATE:</u>
MIKE MELSEN	MIKE MELSEN	AJV-5412	2/16/2017
	Mar 14, 2017		

<u>APPROVED BY:</u>	<i>Digitally signed by</i>	<u>OFFICE SYMBOL:</u>	<u>DATE:</u>
GEORGE DAVIS	ALLAN WILL	AJV-5410	
	Apr 19, 2017		

REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

A4A	ALPA	AOPA	APA	HAI	NBAA
☒	☒	☒	☒	☐	☒

OTHER:
ZBW, N90, POU ATCT, APT MGR

CHANGES - REASONS:

- AIRPORT NAME CHANGE FROM DUTCHESS COUNTY TO HUDSON VALLEY RGNL - AIRPORT REQUEST.
- VCOA INSTRUCTIONS CHANGED FROM: "FOR CLIMB IN VISUAL CONDITIONS: CROSS DUTCHESS COUNTY AIRPORT AT OR ABOVE 1700 MSL BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE" TO: "RWY 6: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS HUDSON VALLEY RGNL AIRPORT AT OR ABOVE 1700 BEFORE PROCEEDING ON COURSE".

QUALITY
22
CHECKED

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		LPV: DA LNAV/VNAV: DA LNAV: RW28 CLIMB TO 2400 DIRECT TAREE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 104.76 INBOUND. CHART FAS OBST: 665 TWR 435904N/0755652W DISTANCE TO THLD FROM 250 HAT: 0.64 NM. CHART VDP AT 1.70 NM TO RW28* *LNAV ONLY. WAAS CHANNEL # 82322 REFERENCE PATH ID: W28A LTP HAE: 67.2 M						
CIPNA		MUVRE (TF) (FO) (RNP 2.00)			151.93 / 14.91			3500								
LIDLE		PATEE (TF) (FB) (RNP 2.00)			072.68 / 15.80			3600								
PATEE (IAF)		SUVOY (NOPT) (TF) (FB) (RNP 1.00)			357.43 / 5.15			3600								
SUVOY		MUVRE (TF) (FB) (RNP 1.00)			357.41 / 4.00			3500								
MUVRE (IF/IAF)		WONPO (TF) (FB) (RNP 1.00)			285.14 / 5.44			2200								
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE MUVRE, LT, 307.14 INBOUND, 3500 FT. IN LIEU OF PT (IAF) 3. FAC: 285.06 FAF: WONPO DIST FAF TO MAP: 5.73 THLD: 5.73 4. MIN. ALT: MUVRE 3500, WONPO 2200, 581, HUPUM/2.90 NM TO RW28 1300* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2200 GS ALT AT: WONPO 2200 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: RW28 3600																
										MAG VAR: 12W EPOCH YEAR: 1980						
MINIMUMS																
TAKEOFF: 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	581	3/4	250	581	3/4	250	581	3/4	250	581	3/4	250				
LNAV/VNAV DA	852	1 3/4	521	852	1 3/4	521	852	1 3/4	521	852	1 3/4	521				
LNAV MDA	920	1	589	920	1	589	920	1 3/4	589	920	1 3/4	589				
CIRCLING	920	1	589	960	1	629	980	1 3/4	649	1080	2 1/2	749				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -20C (-4F) OR ABOVE 54C (130F). CHART NOTE: BARO-VNAV AND VDP NA WHEN USING WHEELER-SACK AAF ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LIDLE ON V145 SOUTHBOUND. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 331 TDZE: 331			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:			
WATERTOWN, NY		AIRPORT NAME: WATERTOWN INTL						RNAV (GPS) RWY 28, AMDT 1 22 JUNE 2017					AMDT: ORIG-A			
													DATED 06/26/2014			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WONPO (FAF)	HUPUM/2.90 NM TO RW28 (TF) (FB) (RNP 0.30)	285.06 / 2.83	
HUPUM/2.90 NM TO RW28	RW28 (MAP) (TF) (FO) (RNP 0.30)	285.06 / 2.90	
RW28 (MAP)	581 MSL (CA)	285.06	
581 MSL	TAREE (DF) (FO) (RNP 1.00)		2400

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE WHEELER-SACK AAF ALTIMETER SETTING AND INCREASE LPV DA TO 663 FEET AND ALL VISIBILITY TO 1 1/8 SM; LNAV/VNAV DA TO 934 FEET, AND ALL VISIBILITY TO 2 1/2 SM. INCREASE ALL MDA 100 FEET AND LNAV CAT C/D VISIBILITY 1/2 SM, CIRCLING CAT C/D 1/4 SM.
CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

QUALITY
16
CHECKED

CITY AND STATE WATERTOWN, NY	ELEVATION: 331 TDZE: 331 AIRPORT NAME: WATERTOWN INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 1 22 JUNE 2017	SUP:
				AMDT: ORIG-A
				DATED: 06/26/2014

**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	KART
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	435928.5830N
LTP/FTP LONGITUDE	0760014.7025W
LTP/FTP ELLIPSOIDAL HEIGHT	+00672
FPAP LATITUDE	435933.1815N
FPAP LONGITUDE	0760217.9630W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0616
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

FF50C66F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+01008
FPAP ORTHOMETRIC HEIGHT	+01008

QUALITY
16
CHECKED

CITY AND STATE

WATERTOWN, NY

ELEVATION: 331

TDZE: 331

AIRPORT NAME:

WATERTOWN INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, AMDT 1

22 JUNE 2017

SUP:

AMDT:

ORIG-A

DATED:

06/26/2014

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
WATERTOWN, NY	WATERTOWN INTL	22 JUNE 2017	2

TAKEOFF MINIMUMS:

RWY 25, 28: STANDARD.

RWY 07: 300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 600, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAT 2000 FT PRIOR TO DER.

RWY 10: 300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 600.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 07: RD(N) 539 FT FROM DER, 532 FT LEFT OF CENTERLINE, 341 FT MSL. TREES BEGINNING 787 FT FROM DER, 493 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/378 FT MSL. TREE 817 FT FROM DER, 408 FT LEFT OF CENTERLINE, 43 FT AGL/363 FT MSL. TREES BEGINNING 886 FT FROM DER, 478 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/380 FT MSL. TREE 1024 FT FROM DER, 665 FT RIGHT OF CENTERLINE, 63 FT AGL/386 FT MSL. TREES BEGINNING 1092 FT FROM DER, 96 FT RIGHT OF CENTERLINE, UP TO 387 FT MSL. TREE 2506 FT FROM DER, 248 FT RIGHT OF CENTERLINE, 81 FT AGL/399 FT MSL. TREES BEGINNING 1 NM FROM DER, 259 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/509 FT MSL. TREE 1.3 NM FROM DER, 680 FT LEFT OF CENTERLINE, 100 FT AGL/559 FT MSL.

NOTE: RWY 10: RD (N) 211 FT FROM DER, 526 FT LEFT OF CENTERLINE, 345 FT MSL. TREES BEGINNING 380 FT FROM DER, 563 FT LEFT OF CENTERLINE, UP TO 363 FT MSL. TREES BEGINNING 495 FT FROM DER, 396 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/388 FT MSL. TREE 1239 FT FROM DER, 671 FT LEFT OF CENTERLINE, 367 FT MSL.
TREE 1250 FT FROM DER, 789 FT LEFT OF CENTERLINE, 371 FT MSL. TREES BEGINNING 1410 FT FROM DER, 733 FT LEFT OF CENTERLINE, UP TO 392 FT MSL. TREES BEGINNING 2011 FT FROM DER, 811 FT RIGHT OF CENTERLINE, UP TO 389 FT MSL. TREES BEGINNING 2134 FT FROM DER, 913 FT RIGHT OF CENTERLINE, UP TO 394 FT MSL. TREES BEGINNING 2146 FT FROM DER, 797 FT RIGHT OF CENTERLINE, UP TO 403 FT MSL. TREES BEGINNING 2439 FT FROM DER, 839 FT RIGHT OF CENTERLINE, UP TO 404 FT MSL. TREE 2515 FT FROM DER, 905 FT RIGHT OF CENTERLINE, 407 FT MSL. TREE 2553 FT FROM DER, 1150 FT RIGHT OF CENTERLINE, 409 FT MSL. TREE 2568 FT FROM DER, 996 FT RIGHT OF CENTERLINE, 412 FT MSL. TREES BEGINNING 2652 FT FROM DER, 541 FT RIGHT OF CENTERLINE, UP TO 414 FT MSL. TREES BEGINNING 2826 FT FROM DER, 635 FT RIGHT OF CENTERLINE, UP TO 416 FT MSL. TREES BEGINNING 2973 FT FROM DER, 317 FT RIGHT OF CENTERLINE, UP TO 425 FT MSL. TREE 2991 FT FROM DER, 256 FT LEFT OF CENTERLINE, 72 FT AGL/407 FT MSL. TREE 3034 FT FROM DER, 620 FT LEFT OF CENTERLINE, 410 FT MSL. TREE 3051 FT FROM DER, 932 FT LEFT OF CENTERLINE, 419 FT MSL. TREE 3982 FT FROM DER, 1388 FT RIGHT OF CENTERLINE, 438 FT MSL. TREES BEGINNING 4022 FT FROM DER, 960 FT RIGHT OF CENTERLINE, UP TO 482 FT MSL. TREES BEGINNING 4382 FT FROM DER, 1081 FT RIGHT OF CENTERLINE, UP TO 487 FT MSL. TREE 4382 FT FROM DER, 1358 FT RIGHT OF CENTERLINE, 484 FT MSL. TREES BEGINNING 4593 FT FROM DER, 724 FT RIGHT OF CENTERLINE, UP TO 491 FT MSL. TREES BEGINNING 5068 FT FROM DER, 857 FT RIGHT OF CENTERLINE, UP TO 515 FT MSL. TREE 5068 FT FROM DER, 1386 FT RIGHT OF CENTERLINE, 495 FT MSL. TREES BEGINNING 5174 FT FROM DER, 807 FT RIGHT OF CENTERLINE, UP TO 520 FT MSL. TREES BEGINNING 5227 FT FROM DER, 767 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/520 FT MSL. TREE, POLE BEGINNING 5332 FT FROM DER, 574 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/529 FT MSL. TREE 1.2 NM FROM DER, 1366 FT RIGHT OF CENTERLINE, 64 FT AGL/513 FT MSL.

NOTE: RWY 28: TREE 919 FT FROM DER, 356 FT RIGHT OF CENTERLINE, 42 FT AGL/341 FT MSL. TREE 1582 FT FROM DER, 786 FT LEFT OF CENTERLINE, 66 FT AGL/359 FT MSL. TREE 1592 FT FROM DER, 331 FT LEFT OF CENTERLINE, 66 FT AGL/360 FT MSL. TREE 1863 FT FROM DER, 988 FT LEFT OF CENTERLINE, 75 FT AGL/370 FT MSL. TREES BEGINNING 2572 FT FROM DER, 871 FT LEFT OF CENTERLINE, UP TO 381 FT MSL. TREES BEGINNING 2704 FT FROM DER, 622 FT LEFT OF CENTERLINE, UP TO 102 FT AGL/390 FT MSL.

CONTROLLING OBSTACLES:

RWY 07: 509 FT MSL TREE 440024.65N/0755945.84W. 559 FT MSL TREE 440038.89N/0755928.88W

RWY 10: 529 FT MSL TREE (36-024041) 435908.76N/0755906.98W. 513 FT MSL TREE (36-024044) 435911.3700N-0755836.2600W

REMARKS:



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
WATERTOWN, NY	WATERTOWN INTL	22 JUNE 2017	2

FLIGHT INSPECTED BY: <i>Digitally signed by</i> JORGE A. MALCUN <i>JACOB POWERS</i> Apr 25, 2017	OFFICE SYMBOL: FICO	DATE: 03/08/2017
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DEVELOPED BY: CHRIS O'BRIEN	<i>Digitally signed by</i> <i>CHRISTOPHER P O'BRIEN</i> Jan 23, 2017	OFFICE SYMBOL: AJV-5432	DATE: 01/23/2016
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APPROVED BY: PATRICK J. MULQUEEN	<i>Digitally signed by</i> <i>JACOB POWERS</i> Apr 25, 2017	OFFICE SYMBOL: AJV-5430	DATE:
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REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
☐	☒	☒	☐	☐	☒

OTHER:

CHANGES - REASONS:

REMOVED RWY 10 TEXTUAL DEPARTURE PROCEDURE - NOT REQUIRED.
CHANGED RWY 07 CG FROM 231 FT PER NM TO 700 FT. TO 240 FT PER NM TO 600 FT - NEW CONTROLLING OBSTACLE.
CHANGED RWY 10 CG FROM 306 FT PER NM TO 700 FT TO 270 FT PER NM TO 600 - NEW CONTROLLING OBSTACLE.
CHANGED RWY 07 RWY REDUCTION FROM 2100 FT TO 2000 FT.
UPDATED TAKEOFF OBSTACLE NOTES.



US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LP: RW04 LNAV: RW04					
JOTPA (IAF)		JAGXA (NOPT) (TF) (FB) (RNP 1.00)		330.42 / 8.70				2500		CLIMB TO 2600 DIRECT JERAL AND HOLD.					
JAGXA (IF/IAF)		LICAJ (TF) (FB) (RNP 1.00)		040.35 / 7.00				2500							
LICAJ (FAF)		WUPGO/2.10 NM TO RW04 (TF) (FB) (RNP 0.30)		040.41 / 2.99											
WUPGO/2.10 NM TO RW04		RW04 (MAP) (TF) (FO) (RNP 0.30)		040.41 / 2.10											
RW04 (MAP)		1243 MSL (CA)		040.41						ADDITIONAL FLIGHT DATA: HOLD NE, RT, 220.56 INBOUND. CHART FAS OBST: 999 POWERLINES 390332N/0841407W CHART FAS OBST: 1019 POWERLINES 390304N/0841422W WAAS CHANNEL # 58327 REFERENCE PATH ID: W04A CHART CIRCLING ICON. LICAJ TO RW04: 3.00/40. CHART CLERMONT COUNTY AWOS-3 FREQUENCY. LTP HAE: 222.2 M					
1243 MSL		JERAL (DF) (FO) (RNP 1.00)						2600							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 4W EPOCH YEAR: 1990					
2. HOLD SW JAGXA, RT, 040.35 INBOUND, 2500 FT. IN LIEU OF PT (IAF)															
3. FAC: 040.41 FAF: LICAJ DIST FAF TO MAP: 5.09 THLD: 5.09															
4. MIN. ALT: JAGXA 2500, LICAJ 2500, WUPGO/2.10 NM TO RW04 1540															
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: _____															
MINIMUMS															
TAKEOFF: 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
LP MDA	1300	1	460	1300	1	460	1300	1 3/8	460		NA				
LNAV MDA	1320	1	480	1320	1	480	1320	1 3/8	480		NA				
CIRCLING	1360	1	517	1360	1	517	1520	2	677		NA				
NOTES: CHART NOTE: CIRCLING NA AT NIGHT. CHART NOTE: RWY 4/22 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)															
CITY AND STATE BATAVIA, OH		ELEVATION: 843 TDZE: 840 AIRPORT NAME: CLERMONT COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1C 22 JUNE 2017				SUP: AMDT: 1B DATED 12/11/2014					



**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.

NOTES, (CONT.):

**CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CINCINNATI MUNI AIRPORT LUNKEN FIELD
ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND ALL CAT C VISIBILITIES 1/4 SM.**

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	330/30 CW 130/30 (NOPT)	330/20 CW 130/20	2600
2.	330/20 CW 130/20	JAGXA (IF/IAF) (FB)	2500
3.	130/30 CW 220/30	JAGXA (IF/IAF) (FO)	2900
4.	220/30 CW 330/30	220/10 CW 330/10	2700
5.	220/10 CW 330/10	JOTPA (IAF) (FB)	2500

QUALITY
9
CHECKED

CITY AND STATE

BATAVIA, OH

ELEVATION: 843

TDZE: 840

AIRPORT NAME:

CLERMONT COUNTY

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, AMDT 1C

22 JUNE 2017

SUP:

AMDT: 1B

DATED: 12/11/2014

**RNAV 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	I69
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	390431.1930N
LTP/FTP LONGITUDE	0841247.2055W
LTP/FTP ELLIPSOIDAL HEIGHT	+02222
FPAP LATITUDE	390542.9200N
FPAP LONGITUDE	0841139.2200W
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	1784
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
 <u>CRC REMAINDER</u>	 BECCC926

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02562
FPAP ORTHOMETRIC HEIGHT	+02562

QUALITY
9
CHECKED

CITY AND STATE BATAVIA, OH	ELEVATION: 843 AIRPORT NAME: CLERMONT COUNTY	TDZE: 840 CLERMONT COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1C 22 JUNE 2017	SUP:
					AMDT: 1B
					DATED: 12/11/2014

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE			ALTITUDE		LP: RW22 LNAV: RW22						
OCOCA (IAF)		JERAL (NOPT) (TF) (FB) (RNP 1.00)		290.67 / 8.70			2600		CLIMB TO 2500 DIRECT JAGXA AND HOLD.						
FIGPU (IAF)		JERAL (NOPT) (TF) (FB) (RNP 1.00)		150.49 / 8.70			2600								
JERAL (IF/IAF)		GOSCE (TF) (FB) (RNP 1.00)		220.56 / 7.00			2500								
GOSCE (FAF)		JEDIX/1.80 NM TO RW22 (TF) (FB) (RNP 0.30)		220.50 / 3.37											
JEDIX/1.80 NM TO RW22		RW22 (MAP) (TF) (FO) (RNP 0.30)		220.50 / 1.80					ADDITIONAL FLIGHT DATA: HOLD SW, RT, 040.35 INBOUND. CHART FAS OBST: 999 TOWER 390539N/0841043W CHART FAS OBST: 899 TREE 390500N/0841227W CHART CLERMONT COUNTY AWOS-3 FREQUENCY. WAAS CHANNEL # 82227 REFERENCE PATH ID: W22A CHART CIRCLING ICON. GOSCE TO RW22: 3.00/40. LTP HAE: 213.8 M						
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 4W EPOCH YEAR: 1990					
2. HOLD NE JERAL, RT, 220.56 INBOUND, 2600 FT. IN LIEU OF PT (IAF)															
3. FAC: 220.50 FAF: GOSCE DIST FAF TO MAP: 5.17 THLD: 5.17															
4. MIN. ALT: JERAL 2600, GOSCE 2500, JEDIX/1.80 NM TO RW22 1420															
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: _____															
MINIMUMS															
TAKEOFF: 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
LP MDA	1200	1	361	1200	1	361	1200	1 1/8	361		NA				
LNAV MDA	1280	1	441	1280	1	441	1280	1 3/8	441		NA				
CIRCLING	1360	1	517	1360	1	517	1520	2	677		NA				
NOTES: CHART NOTE: NIGHT LANDING: RWY 22 OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: CIRCLING NA AT NIGHT. CHART NOTE: RWY 4/22 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. (CONTINUED ON PAGE 2)															
CITY AND STATE BATAVIA, OH		ELEVATION: 843 TDZE: 839 AIRPORT NAME: CLERMONT COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1D 22 JUNE 2017					SUP: AMDT: 1C DATED 04/02/2015				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW22 (MAP)	1200 MSL (CA)	220.48	
1200 MSL	JAGXA (DF) (FO) (RNP 1.00)		2500

NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CINCINNATI MUNI AIRPORT LUNKEN FIELD ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET; LP AND LNAV CAT C VISIBILITY 1 1/2 SM, CIRCLING CAT C VISIBILITY 2 1/4 SM.

TAA

	FROM	TO	ALT
1.	150/30 CW 291/30 (NOPT)	150/12 CW 291/12	3100
	150/12 CW 291/12	JERAL (IF/IAF) (FB)	2600
2.	291/30 CW 041/30	291/11 CW 041/11	2800
	291/11 CW 041/11	OCOCA (IAF) (FB)	2700
3.	041/30 CW 150/30	041/7 CW 150/7	3000
	041/7 CW 150/7	FIGPU (IAF) (FB)	2600

QUALITY
9
CHECKED

CITY AND STATE
BATAVIA, OH

ELEVATION: 843 TDZE: 839
AIRPORT NAME:
CLERMONT COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 22, AMDT 1D
22 JUNE 2017

SUP:
AMDT: 1C
DATED: 04/02/2015

**RNAV 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	I69
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	390456.3960N
LTP/FTP LONGITUDE	0841223.3215W
LTP/FTP ELLIPSOIDAL HEIGHT	+02138
FPAP LATITUDE	390344.6700N
FPAP LONGITUDE	0841331.3000W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1664
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

F65A2DA7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02477
FPAP ORTHOMETRIC HEIGHT	+02477

QUALITY
9
CHECKED

CITY AND STATE

BATAVIA, OH

ELEVATION: 843

TDZE: 839

AIRPORT NAME:

CLERMONT COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, AMDT 1D

22 JUNE 2017

SUP:

AMDT:

1C

DATED:

04/02/2015

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: 4.87 NM AFTER BAILR INT/FLM 21.00 DME OR AT HIKSA/FLM 25.87 DME FIX										
FLM VOR/DME (IAF)			REMPE INT/FLM 11.00 DME			014.34 / 11.00			2500		CLIMB TO 2500 THEN RIGHT TURN VIA FLM VOR/DME R-014 TO BAILR INT/21.00 DME AND HOLD.										
REMPE INT/FLM 11.00 DME (IF)			BAILR INT/FLM 21.00 DME			014.34 / 10.00 (FLM R-014)			2500												
										ADDITIONAL FLIGHT DATA: HOLD S, RT, 014.34 INBOUND. CHART FAS OBST: 1104 TOWER 385920N/0841600W FAC CROSSES MIDPOINT OF RWY 4/22. CHART CIRCLING ICON. CHART CLERMONT COUNTY AWOS-3 FREQUENCY.											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 4W EPOCH YEAR: 1990											
2. PROFILE STARTS AT REMPE																					
3. FAC 014.34 FAF BAILR INT/FLM 21.00 DME DIST FAF TO MAP 4.87 THLD																					
4. MIN. ALT REMPE 2500, BAILR 2500																					
8. MSA FROM: FLM VOR/DME 2800 (27 NM)																					
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					
CIRCLING		1420	1	577	1420	1	577	1520	2	677		NA									
NOTES:																					
CHART NOTE: RWY 4/22 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.										@ NA WHEN LOCAL WEATHER NOT AVAILABLE.											
CHART NOTE: PROCEDURE NA AT NIGHT.																					
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT FLM VOR/DME ON V517 SOUTHEAST BOUND.																					
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CINCINNATI MUNI AIRPORT LUNKEN FIELD ALTIMETER SETTING AND INCREASE ALL MDAS 80 FT AND VISIBILITY CAT C 1/4 SM.																					
CITY AND STATE BATAVIA, OH										ELEVATION: 843 TDZE:			FACILITY IDENTIFIER: FLM			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-B, AMDT 7C 22 JUNE 2017				SUP AMDT 7B DATE 08/22/2013	
										CLERMONT COUNTY											



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

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QUALITY
9
CHECKED

CITY AND STATE

BATAVIA, OH

ELEVATION: 843

TDZE:

AIRPORT NAME:

CLERMONT COUNTY

FACILITY
IDENTIFIER:

FLM

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR-B, AMDT 7C

22 JUNE 2017

SUP:

AMDT: 7B

DATED: 08/22/2013

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.						
TERMINAL ROUTES														MISSED APPROACH									
FROM				TO			COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 5.28 NM AFTER GARFY LOM										
ANY VORTAC				GARFY LOM/ODG 5.92 DME			153.81 / 56.04				3100		CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 3000 DIRECT GARFY LOM AND HOLD.										
PER VORTAC				GARFY LOM/ODG 5.92 DME			221.40 / 41.59				3100												
ODG VOR/DME				GARFY LOM/ODG 5.92 DME			173.41 / 5.92				3100		ALTERNATE MA (DO NOT CHART): CLIMB TO 2500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 205 AND ODG VOR/DME R-173 AND I-EIU LOCALIZER S COURSE TO GARFY LOM AND HOLD S, RT, 355.02 INBOUND.										
IFI VORTAC				KJACK INT			020.67 / 20.90				3600												
IRW VORTAC				KJACK INT			341.86 / 45.77				3600												
PER VORTAC				PODDSD/ODG 12.00 DME			212.35 / 29.79				3600		ADDITIONAL FLIGHT DATA: HOLD S, RT, 355.02 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S GARFY LOM, RT, 355.02 INBOUND. FAS OBST: 1330 AAO 361716N/0974812W CHART ALERT AREA A-562A. CHART ODG R-087 AT PODDS. CHART CIRCLING ICON. CHART IFI R-025 AT PODDS.										
KJACK INT (IAF)				YOBUL/ODG 12.00 DME (NOPT)			355.02 / 3.92 (I-EIU)				3600												
(SEE FORM 8260-10)																							
1. PT <u>L</u> SIDE OF COURSE <u>175.02</u> OUTBOUND <u>3100</u> FT WITHIN <u>10</u> MILES OF <u>GARFY LOM</u> (IAF)																							
2.																							
3. FAC: <u>355.02</u> FAF: <u>GARFY LOM/ODG 5.92 DME</u> DIST FAF TO MAP: <u>5.28</u> THLD: <u>5.28</u>																							
4. MIN. ALT: <u>GARFY LOM/ODG 5.92 DME 3000</u>																							
5. DIST TO THLD FROM OM: <u>5.28</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>979</u>																							
6. MIN GS INCPT: <u>3000</u> GS ALT AT: <u>-</u> OM: <u>2898</u> MM: <u>-</u> IM: <u>-</u>																							
7. GS ANGLE: <u>3.00</u> TCH: <u>54.6</u>																							
8. MSA FROM: <u>EI LOM 3600</u>														MAG VAR: <u>5E</u>			EPOCH YEAR: <u>2010</u>						
MINIMUMS																							
TAKEOFF: <u>SEE FAA FORM 8260-15A FOR THIS AIRPORT</u>							ALTERNATE: <u>N A</u>			ILS: <u>STANDARD #</u>			LOC: <u>STANDARD @</u>										
CATEGORY <u>=====</u>		A			B			C			D			E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA								
S-ILS 35	1347	1/2	200	1347	1/2	200	1347	1/2	200	1347	1/2	200	1347	1/2	200								
S-LOC 35	1580	1/2	433	1580	1/2	433	1580	3/4	433	1580	3/4	433	1580	3/4	433								
CIRCLING	1760	1	593	1760	1	593	1820	1 3/4	653	1880	2 1/4	713	2000	2 3/4	833								
NOTES: CHART NOTE: CIRCLING TO RWY 13 NA AT NIGHT. CHART NOTE: ADF REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: DME FROM ODG VOR/DME. SIMULTANEOUS RECEPTION OF I-EIU AND ODG VOR/DME REQUIRED. (CONTINUED ON PAGE 2)																							
CITY AND STATE <u>ENID, OK</u>				ELEVATION: <u>1167</u> TDZE: <u>1147</u> AIRPORT NAME: <u>ENID WOODRING RGNL</u>				FACILITY IDENTIFIER: <u>I-EIU</u>		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: <u>ILS OR LOC RWY 35, AMDT 7</u> <u>22 JUNE 2017</u>					SUP: AMDT: <u>6</u> DATED <u>07/21/2016</u>								



**ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29**

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
PODDS/ODG 12.00 DME CW (IAF)	YOBUL/ODG 12.00 DME (NOPT)	12.00 DME ARC (ODG LR-163)	3600
YOBUL/ODG 12.00 DME (IF)	GARFY LOM/ODG 5.92 DME	355.02 / 6.08	3000

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS CAT E VISIBILITY TO 3/4 SM, INCREASE S-LOC CAT E VISIBILITY TO 1 1/4 SM.

CHART NOTE: PROCEDURE TURN NA FOR CAT E.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PER VORTAC AIRWAY RADIALS 173 CW 274.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IRW VORTAC AIRWAY RADIALS 292 CW 23.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT IFI VORTAC ON V140 SOUTHWEST BOUND.

QUALITY
16
CHECKED

CITY AND STATE

ENID, OK

ELEVATION: 1167

TDZE: 1147

AIRPORT NAME:

ENID WOODRING RGNL

FACILITY
IDENTIFIER:

I-EIU

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 35, AMDT 7

22 JUNE 2017

SUP:

AMDT: 6

DATED: 07/21/2016

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		LPV: DA LNAV/VNAV: DA LNAV: RW17 CLIMB TO 3600 DIRECT KJACK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 355.00 INBOUND. CHART FAS OBST: 1314 POLE 362445N/0974809W CHART ALERT AREA A-562A. DISTANCE TO THLD FROM 250 HAT: 0.63 NM. CHART VDP AT 1.21 NM TO RW17* *LNAV ONLY. WAAS CHANNEL # 50213 REFERENCE PATH ID: W17A CHART CIRCLING ICON. LTP HAE: 327.1 M						
ANY VORTAC	HUDCU (TF) (FB) (RNP 2.00)			147.54 / 27.81			3000								
PER VORTAC	EDEWO (TF) (FB) (RNP 2.00)			245.92 / 23.26			3200								
IFI VORTAC	NIDME (TF) (FO) (RNP 2.00)			007.67 / 46.91			3000								
HUDCU (IAF)	NIDME (NOPT) (TF) (FB) (RNP 1.00)			147.70 / 12.00			3000								
EDEWO (IAF)	NIDME (NOPT) (TF) (FB) (RNP 1.00)			245.65 / 9.00			3000								
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N NIDME, RT, 175.02 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 175.02 FAF: OYIKI DIST FAF TO MAP: 4.98 THLD: 4.98 4. MIN. ALT: NIDME 3000, OYIKI 2800, RIVDE/1.90 NM TO RW17 1820* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2800 GS ALT AT: OYIKI 2800 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS CLEAR 8. MSA FROM: RW17 3600															
										MAG VAR: 5E			EPOCH YEAR: 2010		
MINIMUMS															
TAKEOFF: 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	1415	3/4	250	1415	3/4	250	1415	3/4	250	1415	3/4	250	1415	3/4	250
LNAV/VNAV DA	1415	3/4	250	1415	3/4	250	1415	3/4	250	1415	3/4	250	1415	5/8	250
LNAV MDA	1580	1	415	1580	1	415	1580	1 1/8	415	1580	1 1/8	415	1580	1 1/8	415
CIRCLING	1760	1	593	1760	1	593	1820	1 3/4	653	1880	2 1/4	713	2000	3	833
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4, CAT E 900-3 CHART NOTE: CIRCLING RWY 13 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT IFI VORTAC ON V140 SOUTHWEST BOUND. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 1167 TDZE: 1165			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:			
ENID, OK		AIRPORT NAME:					RNAV (GPS) RWY 17, AMDT 1					AMDT: ORIG-A			
		ENID WOODRING RGNL					22 JUNE 2017					DATED 04/08/2010			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
NIDME (IF/IAF)	OYIKI (TF) (FB) (RNP 1.00)	175.02 / 6.03	2800
OYIKI (FAF)	RIVDE/1.90 NM TO RW17 (TF) (FB) (RNP 0.30)	175.02 / 3.08	
RIVDE/1.90 NM TO RW17	RW17 (MAP) (TF) (FO) (RNP 0.30)	175.02 / 1.90	
RW17 (MAP)	1415 MSL (CA)	175.02	
1415 MSL	KJACK (DF) (FO) (RNP 1.00)		3600

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PER VORTAC AIRWAY RADIALS 173 CW 335.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT ANY VORTAC ON V12 NORTHEAST BOUND.

QUALITY
16
CHECKED

CITY AND STATE

ENID, OK

ELEVATION: 1167

TDZE: 1165

AIRPORT NAME:

ENID WOODRING RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 17, AMDT 1

22 JUNE 2017

SUP:

AMDT: ORIG-A

DATED: 04/08/2010

**RNAV 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	KWDG
RUNWAY	RW17
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	362306.5110N
LTP/FTP LONGITUDE	0974727.8805W
LTP/FTP ELLIPSOIDAL HEIGHT	+03271
FPAP LATITUDE	362137.2875N
FPAP LONGITUDE	0974727.9155W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 1FCEA8A3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03550
FPAP ORTHOMETRIC HEIGHT	+03550

QUALITY
16
CHECKED

CITY AND STATE ENID, OK	ELEVATION: 1167 AIRPORT NAME: ENID WOODRING RGNL	TDZE: 1165 ENID	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 17, AMDT 1 22 JUNE 2017	SUP:
					AMDT: ORIG-A
					DATED: 04/08/2010

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		LPV: DA LNAV/VNAV: DA LNAV: RW35 CLIMB TO 3000 DIRECT NIDME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 175.02 INBOUND. FAS OBST: 1330 AAO 361716N/0974812W CHART ALERT AREA A-562A. DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.23 NM TO RW35* *LNAV ONLY. WAAS CHANNEL # 97413 REFERENCE PATH ID: W35A CHART CIRCLING ICON. LTP HAE: 318.8 M							
IFI VORTAC	PENYN (TF) (FB) (RNP 2.00)			024.67 / 10.90			3600									
PER VORTAC	KJACK (TF) (FO) (RNP 2.00)			213.80 / 48.96			3600									
PENYN (IAF)	KJACK (NOPT) (TF) (FB) (RNP 1.00)			024.74 / 10.00			3600									
WENDY (IAF)	KJACK (NOPT) (TF) (FB) (RNP 1.00)			307.84 / 16.15			3600									
KJACK (IF/IAF) (SEE FORM 8260-10)	JUPMI (TF) (FB) (RNP 1.00)			355.00 / 9.30			3100									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S KJACK, RT, 355.00 INBOUND, 3600 FT. IN LIEU OF PT (IAF) 3. FAC: 355.02 FAF: JUPMI DIST FAF TO MAP: 5.98 THLD: 5.98 4. MIN. ALT: KJACK 3600, JUPMI 3100 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3100 GS ALT AT: JUPMI 3100 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 59.6 34:1 IS CLEAR 8. MSA FROM: RW35 3600										MAG VAR: 5E		EPOCH YEAR: 2010				
MINIMUMS																
TAKEOFF: 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	1347	1/2	200	1347	1/2	200	1347	1/2	200	1347	1/2	200	1347	1/2	200	
LNAV/VNAV DA	1397	1/2	250	1397	1/2	250	1397	1/2	250	1397	1/2	250	1397	1/2	250	
LNAV MDA	1580	1/2	433	1580	1/2	433	1580	3/4	433	1580	3/4	433	1580	3/4	433	
CIRCLING	1760	1	593	1760	1	593	1820	1 3/4	653	1880	2 1/4	713	2000	3	833	
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING RWY 13 NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)																
CITY AND STATE ENID, OK			ELEVATION: 1167 TDZE: 1147 AIRPORT NAME: ENID WOODRING RGNL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 2 22 JUNE 2017					SUP:			
													AMDT: 1			
													DATED 12/10/2015			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JUPMI (FAF)	RW35 (MAP) (TF) (FO) (RNP 0.30)	355.02 / 5.98	
RW35 (MAP)	1347 MSL (CA)	355.02	
1347 MSL	NIDME (DF) (FO) (RNP 1.00)		3000

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO 3/4 SM, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 3/4 SM, INCREASE LNAV CAT E VISIBILITY TO 1 1/4 SM.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PER VORTAC AIRWAY RADIALS 129 CW 291.

QUALITY
16
CHECKED

CITY AND STATE ENID, OK	ELEVATION: 1167	TDZE: 1147	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 2 22 JUNE 2017	SUP:
	AIRPORT NAME:				AMDT: 1
	ENID WOODRING RGNL				DATED: 12/10/2015

**RNAV 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	KWDG
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	362147.3850N
LTP/FTP LONGITUDE	0974727.9120W
LTP/FTP ELLIPSOIDAL HEIGHT	+03188
FPAP LATITUDE	362316.6085N
FPAP LONGITUDE	0974727.8735W
THRESHOLD CROSSING HEIGHT (TCH)	00059.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0128
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 B247CF29

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+03466
FPAP ORTHOMETRIC HEIGHT	+03466

QUALITY
16
CHECKED

CITY AND STATE ENID, OK	ELEVATION: 1167 AIRPORT NAME: ENID WOODRING RGNL	TDZE: 1147 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 35, AMDT 2 22 JUNE 2017	SUP:
				AMDT: 1
				DATED: 12/10/2015

ILS - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES																	MISSED APPROACH											
FROM				TO				COURSE AND DISTANCE						ALTITUDE			ILS: DA 4.83 NM AFTER MERSY NDB/I-MKL 5.99 DME OR AT I-MKL 1.16 DME CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2200 DIRECT MKL NDB AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 2500 ON MKL VOR/DME R-022 TO PIPKI/MKL 5.26 DME AND HOLD (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SW, LT, 023.23 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N PIPKI/MKL 5.26 DME, RT, 201.91 INBOUND. CHART FAS OBST: 599 TREE 353413N/0885611W CHART VDP AT 2.34 DME* DISTANCE VDP TO THLD 1.18 NM. CHART IN PLANVIEW: PIPKI/MKL 5.26 DME. CHART CIRCLING ICON. CHART IN PLANVIEW (CFBGP) AT 352510.87N/0890017.88W *LOC ONLY CHART PLANVIEW NOTE: ADF REQUIRED.											
MIOLA INT/MKL 24.86 DME				MERSY NDB/I-MKL 5.99 DME				085.52 / 21.58						2200														
1. PT <u>R</u> SIDE OF COURSE <u>203.23</u> OUTBOUND <u>2200</u> FT WITHIN <u>10</u> MILES OF <u>MKL NDB</u> (IAF) 2. _____ 3. FAC: <u>023.23</u> FAF: <u>MERSY NDB/I-MKL 5.99 DME</u> DIST FAF TO MAP: <u>4.83</u> THLD: <u>4.83</u> 4. MIN. ALT: <u>MERSY NDB/I-MKL 5.99 DME 2100, WUTOT/I-MKL 3.60 DME 1000*</u> 5. DIST TO THLD FROM OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1202</u> 6. MIN GS INCPT: <u>2100</u> GS ALT AT: <u>-</u> OM: <u>-</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>58.9</u> 8. MSA FROM: <u>MK NDB 320-080 2600, 080-320 2200</u>																	MAG VAR: 1W					EPOCH YEAR: 2010						
MINIMUMS																												
TAKEOFF: 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 02	634	1/2	200	634	1/2	200	634	1/2	200	634	1/2	200																
S-LOC 02	1000	1/2	566	1000	1/2	566	1000	1 1/4	566	1000	1 1/4	566																
CIRCLING	1000	1	566	1000	1	566	1000	1 5/8	566	1080	2	646																
WUTOT FIX MINIMUMS																												
S-LOC 02	840	1/2	406	840	1/2	406	840	3/4	406	840	3/4	406																
CIRCLING	900	1	466	920	1	486	960	1 1/2	526	1080	2	646																
NOTES: CHART NOTE: CIRCLING RWY 29 NA AT NIGHT. CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1100. CHART NOTE: ADF REQUIRED. CHART PROFILE NOTE: USE I-MKL DME WHEN ON THE LOCALIZER COURSE. (CONTINUED ON PAGE 2)																												
CITY AND STATE JACKSON, TN				ELEVATION: 434 TDZE: 434 AIRPORT NAME: MC KELLAR-SIPES RGNL				FACILITY IDENTIFIER: I-MKL				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 2, AMDT 9 22 JUNE 2017				SUP:												
																AMDT: 8B												
																DATED 03/31/2016												

QUALITY
 10
 CHECKED

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

NOTES, (CONT.):
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 2 AND WUTOT FIX MINIMUMS CAT C/D VISIBILITY 3/8 SM.

CITY AND STATE JACKSON, TN	ELEVATION: 434 AIRPORT NAME: MC KELLAR-SIPES RGNL	TDZE: 434	FACILITY IDENTIFIER: I-MKL	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 2, AMDT 9 22 JUNE 2017	SUP:
					AMDT: 8B
					DATED: 03/31/2016

QUALITY
10
CHECKED

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											
										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: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 22 JUNE 2017																			
CITY AND STATE JACKSON, TN		ELEVATION: 434 AIRPORT NAME: MC KELLAR-SIPES RGNL		TDZE: 434		FACILITY IDENTIFIER: MKL		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: VOR RWY 2, AMDT 13, 10/22/2009						SUP AMD'T DATE		10 12 06/08/2006			

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE			ALTITUDE		RW36							
ZILIB (IF/IAF)		JAGGY (TF) (FB) (RNP 1.00)		005.38 / 6.59			3500		CLIMB TO 4000 DIRECT ZOLPU AND HOLD.							
JAGGY (FAF)		RW36 (MAP) (TF) (FO) (RNP 0.30)		005.38 / 4.66												
RW36 (MAP)		2094 MSL														
2094 MSL		ZOLPU (DF) (FO)					4000		ADDITIONAL FLIGHT DATA: HOLD N, RT, 185.38 INBOUND. CHART FAS OBST: 1913 COMM TWR 361846N/0845613W 1940 AAO 361606N/0845732W. CHART CIRCLING ICON. CHART PROFILE NOTE: VISUAL SEGMENT-OBSTACLES. CHART CROSSVILLE ASOS.							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. HOLD S ZILIB, RT, 005.38 INBOUND, 4400 FT. IN LIEU OF PT (IAF)																
3. FAC: 005.38 FAF: JAGGY DIST FAF TO MAP: 4.66 THLD: 4.66																
4. MIN. ALT: ZILIB 4400, JAGGY 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: _____																
8. MSA FROM: _____																
MAG VAR: 5W EPOCH YEAR: 2020																
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		2180	1	486	2260	1	566	2340	1 3/4	646		NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF 122.8, WHEN NOT RECEIVED, USE CROSSVILLE ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND CAT C VISIBILITY 1/2 SM. CHART NOTE: CIRCLING RWY 18 NA AT NIGHT.																
CITY AND STATE		ELEVATION: 1694 TDZE:			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
JAMESTOWN TN		AIRPORT NAME:			RNAV		RNAV (GPS)-B, ORIG 22 JUNE 2017					AMDT: NONE				
		JAMESTOWN MUNI										DATED				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	275/30 CW 095/30 (NOPT)	275/15 CW 095/15 (FO)	6000
2.	275/15 CW 095/15	ZILIB (IF/IAF) (FB)	4400
3.	095/30 CW 275/30	095/15 CW 275/15	6000
4.	095/15 CW 275/15	ZILIB (IF/IAF) (FO)	4400

QUALITY
9
CHECKED

CITY AND STATE JAMESTOWN, TN	ELEVATION: 1694 AIRPORT NAME: JAMESTOWN MUNI	TDZE: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 22 JUNE 2017	SUP:
				AMDT: NONE
				DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33			Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE			ALTITUDE		RW18							
ZOLPU (IF/IAF)		NOVEE (TF) (FB) (RNP 1.00)		185.38 / 7.38			3500		CLIMB TO 4400 DIRECT ZILIB AND HOLD.							
NOVEE (FAF)		JUBUN/2.30 NM TO RW18 (TF) (FB) (RNP 0.30)		185.38 / 2.32												
JUBUN/2.30 NM TO RW18		RW18 (MAP) (TF) (FO) (RNP 0.30)		185.38 / 2.30					ADDITIONAL FLIGHT DATA: HOLD S, RT, 005.38 INBOUND. CHART FAS OBST: 1802 TREE 362238N/0845640W CHART: 1824 TREE 362340N/0845728W CHART CIRCLING ICON. 1969 AAO 362524N/0845734W. CHART PROFILE NOTE: VISUAL SEGMENT-OBSTACLES. CHART CROSSVILLE ASOS.							
RW18 (MAP)		2094 MSL														
2094 MSL		ZILIB (DF) (FO)					4400									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 5W EPOCH YEAR: 2020						
2. HOLD N ZOLPU, RT, 185.38 INBOUND, 4000 FT. IN LIEU OF PT (IAF)																
3. FAC: 185.38 FAF: NOVEE DIST FAF TO MAP: 4.62 THLD: 4.62																
4. MIN. ALT: ZOLPU 4000, NOVEE 3500, JUBUN/2.30 NM TO RW18 2600																
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: _____																
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		2120	1	426	2260	1	566	2340	1 3/4	646		NA				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: OBTAIN LOCAL ALTIMETER SETTING ON CTAF, WHEN NOT RECEIVED, USE CROSSVILLE ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET AND CAT C VISIBILITY 1/2 SM. CHART NOTE: CIRCLING RWY 18 NA AT NIGHT. CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																
CITY AND STATE		ELEVATION: 1694 TDZE:			FACILITY IDENTIFIER:			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
JAMESTOWN, TN		AIRPORT NAME:			RNAV			RNAV (GPS)-C, ORIG 22 JUNE 2017				AMDT: NONE				
		JAMESTOWN MUNI										DATED				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TAA

	<u>FROM</u>	<u>TO</u>	<u>ALT</u>
1.	095/30 CW 275/30 (NOPT)	095/15 CW 275/15 (IF/IAF)	5000
2.	095/15 CW 275/15	ZOLPU (IF/IAF) (FB)	4000
3.	275/30 CW 095/30	275/15 CW 095/15 (IF/IAF)	5000
4.	275/15 CW 095/15	ZOLPU (IF/IAF) (FO)	4000

QUALITY
9
CHECKED

CITY AND STATE JAMESTOWN, TN	ELEVATION: 1694 AIRPORT NAME: JAMESTOWN MUNI	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-C, ORIG 22 JUNE 2017	SUP:
					AMDT: NONE
					DATED:

ILS - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 6.05 NM AFTER FARLY LOM/I-MAF 7.53 DME OR AT I-MAF 1.48 DME CLIMB TO 4900 ON HEADING 104.58 AND ON MAF VORTAC R-117 TO DERIC INT/MAF 19.00 DME AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 3400 THEN CLIMBING RIGHT TURN TO 4900 TO FARLY LOM/I-MAF 7.50 DME AND HOLD. (ADF REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SE, RT, 297.02 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W FARLY LOM/I-MAF 7.53 DME, RT, 104.58 INBOUND. CHART FAS OBST: 2943 T-L TWR 315722N/1021356W CHART: ASR CHART (CFMBW) AT INTERSECTION OF GOMIT DR LEG AND INTERMEDIATE COURSE. CHART IN PLANVIEW: INK VORTAC 41.07 DME AT ARGET INT CHART PLANVIEW NOTE: ADF OR DME REQUIRED.					
MAF VORTAC		FARLY LOM/I-MAF 7.53 DME		248.51 / 6.99				4900							
GOMIT INT (IAF)		ARGET/I-MAF 15.18 DME (NOPT)		060.00 / 1.11 (HDG) & 104.58 / 9.62 (I-MAF)				4900							
INK VORTAC (IAF)		ARGET/I-MAF 15.18 DME (NOPT)		064.95 / 41.07				7000							
ARGET/I-MAF 15.18 DME (IF)		FARLY LOM/I-MAF 7.53 DME		104.58 / 7.65 (I-MAF)				4900							
1. PT <u>L</u> SIDE OF COURSE <u>284.58</u> OUTBOUND <u>4900</u> FT WITHIN <u>15</u> MILES OF <u>FARLY LOM</u> (IAF) 2. _____ 3. FAC: <u>104.58</u> FAF: <u>FARLY LOM/I-MAF 7.53 DME</u> DIST FAF TO MAP: <u>6.05</u> THLD: <u>6.05</u> 4. MIN. ALT: <u>FARLY LOM 4900, USILE/I-MAF 3.28 DME 3460*</u> 5. DIST TO THLD FROM OM: <u>6.05</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1085</u> 6. MIN GS INCPT: <u>4900</u> GS ALT AT: <u>-</u> OM: <u>4884</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>54.3</u> 8. MSA FROM: <u>MA LOM 5500</u>										MAG VAR: 9E		EPOCH YEAR: 1985			
MINIMUMS															
TAKEOFF: 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 10**	3069	2400	200	3069	2400	200	3069	2400	200	3069	2400	200	3069	2400	200
S-LOC 10	3460	2400	591	3460	2400	591	3460	1 1/4	591	3460	1 1/4	591	3460	1 1/4	591
CIRCLING	3460	1	588	3460	1	588	3460	1 3/4	588	3520	2	648	3600	2 1/2	728
USILE FIX MINIMUMS															
S-LOC 10	3420	2400	551	3420	2400	551	3420	6000	551	3420	6000	551	3420	6000	551
CIRCLING	3440	1	568	3440	1	568	3440	1 5/8	568	3520	2	648	3600	2 1/2	728
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART NOTE: CIRCLING RWY 16L NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GOMIT ON V16 SOUTHWEST BOUND. *LOC ONLY (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 2872 TDZE: 2869				FACILITY IDENTIFIER: I-MAF		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
MIDLAND, TX		AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT						ILS OR LOC RWY 10, AMDT 16C				AMDT: 16B			
								22 JUNE 2017				DATED 10/15/2015			



ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 10 CAT E VISIBILITY TO RVR 4000, S-LOC 10 CAT E VISIBILITY TO 1 3/4 SM. USILE FIX MINIMUMS INCREASE S-LOC 10 CAT E VISIBILITY TO 1 5/8 SM.



CITY AND STATE MIDLAND, TX	ELEVATION: 2872 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT	TDZE: 2869 FACILITY IDENTIFIER: I-MAF	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 10, AMDT 16C 22 JUNE 2017	SUP:
				AMDT: 16B
				DATED: 10/15/2015

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						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		LPV: DA LNAV/VNAV: DA LNAV: RW04 CLIMB TO 4700 DIRECT AYUPA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 224.76 INBOUND. CHART FAS OBST: 3050 TOWER 315349N/1021550W CHART: ASR DISTANCE TO THLD FROM 200 HAT: 0.49 NM. CHART VDP AT 1.46 NM TO RW04* *LNAV ONLY. WAAS CHANNEL # 90529 REFERENCE PATH ID: W04A LTP HAE: 844.7 M											
TOKRE (IF/IAF)				DILBE (TF) (FB) (RNP 1.00)				044.56 / 7.24				4500													
DILBE (FAF)				RW04 (MAP) (TF) (FO) (RNP 0.30)				044.62 / 5.04																	
RW04 (MAP)				3051 MSL (CA)				044.62				4700													
3051 MSL				AYUPA (DF) (FO) (RNP 1.00)																					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW TOKRE, RT, 044.56 INBOUND, 5000 FT. IN LIEU OF PT (IAF) 3. FAC: 044.62 FAF: DILBE DIST FAF TO MAP: 5.04 THLD: 5.04 4. MIN. ALT: TOKRE 5000, DILBE 4500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4500 GS ALT AT: DILBE 4500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS NOT CLEAR 8. MSA FROM: _____																MAG VAR: 9E					EPOCH YEAR: 1985				
MINIMUMS																									
TAKEOFF: 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	3051	3/4	200	3051	3/4	200	3051	3/4	200	3051	3/4	200													
LNAV/VNAV DA	3283	1 1/2	432	3283	1 1/2	432	3283	1 1/2	432	3283	1 1/2	432													
LNAV MDA	3360	1	509	3360	1	509	3360	1 3/8	509	3360	1 3/8	509													
CIRCLING	3440	1	568	3440	1	568	3440	1 1/2	568	3520	2	648													
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 25C (77F). CHART NOTE: CIRCLING RWY 16L NA AT NIGHT. CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA.																									
CITY AND STATE MIDLAND, TX				ELEVATION: 2872 TDZE: 2851 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1C 22 JUNE 2017				SUP:									
																AMDT: 1B									
																DATED 04/28/2016									

QUALITY
 16
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TAA

	FROM	TO	ALT
1.	315/30 CW 135/30 (NOPT) 315/12 CW 135/12	315/12 CW 135/12 TOKRE (IF/IAF) (FB)	5500 5000
2.	135/30 CW 315/30	TOKRE (IF/IAF) (FO)	5100

QUALITY
16
CHECKED

CITY AND STATE MIDLAND, TX	ELEVATION: 2872 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT	TDZE: 2851 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1C 22 JUNE 2017	SUP:
				AMDT: 1B
				DATED: 04/28/2016

**RNAV 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	KMAF
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	315554.1295N
LTP/FTP LONGITUDE	1021213.5030W
LTP/FTP ELLIPSOIDAL HEIGHT	+08447
FPAP LATITUDE	315647.0300N
FPAP LONGITUDE	1021049.1500W
THRESHOLD CROSSING HEIGHT (TCH)	00045.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1344
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 7F27D81A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+08691
FPAP ORTHOMETRIC HEIGHT	+08691

QUALITY
16
CHECKED

CITY AND STATE MIDLAND, TX	ELEVATION: 2872 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT	TDZE: 2851 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1C 22 JUNE 2017	SUP:
				AMDT: 1B
				DATED: 04/28/2016

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION		RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33		Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW10					
JEMMO (IF/IAF)		BOOST (TF) (FB) (RNP 1.00)		104.45 / 7.31				4900		CLIMB TO 4700 DIRECT EASY AND HOLD.					
BOOST (FAF)		RW10 (MAP) (TF) (FO) (RNP 0.30)		104.52 / 6.21											
RW10 (MAP)		3069 MSL (CA)		104.52											
3069 MSL		EASYY (DF) (FO) (RNP 1.00)						4700		ADDITIONAL FLIGHT DATA: HOLD E, RT, 284.71 INBOUND. CHART FAS OBST: 3163 DRILLING RIG 315813N/1021448W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.75 NM TO RW10* *LNAV ONLY. WAAS CHANNEL # 69310 REFERENCE PATH ID: W10A CHART: ASR LTP HAE: 850.2 M					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 9E EPOCH YEAR: 1985					
2. HOLD W JEMMO, RT, 104.45 INBOUND, 5000 FT. IN LIEU OF PT (IAF)															
3. FAC: 104.52 FAF: BOOST DIST FAF TO MAP: 6.21 THLD: 6.21															
4. MIN. ALT: JEMMO 5000, BOOST 4900															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: 4900 GS ALT AT: BOOST 4900 OM: _____ MM: _____ IM: _____															
7. GS ANGLE: 3.00 TCH: 54.3 34:1 IS CLEAR															
8. MSA FROM: _____															
MINIMUMS															
TAKEOFF: 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	3069	2400	200	3069	2400	200	3069	2400	200	3069	2400	200			
LNAV/VNAV DA	3394	1 1/4	525	3394	1 1/4	525	3394	1 1/4	525	3394	1 1/4	525			
LNAV MDA	3480	2400	611	3480	2400	611	3480	1 3/8	611	3480	1 3/8	611			
CIRCLING	3480	1	608	3480	1	608	3480	1 3/4	608	3520	2	648			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 25C (77F). CHART NOTE: CIRCLING RWY 16L NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA.															
CITY AND STATE MIDLAND, TX		ELEVATION: 2872 TDZE: 2869 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 2B 22 JUNE 2017						SUP: AMDT: 2A DATED 04/02/2015			

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TAA

	FROM	TO	ALT
1.	015/30 CW 195/30 (NOPT) 015/12 CW 195/12	015/12 CW 195/12 JEMMO (IF/IAF) (FB)	5500 5000
2.	195/30 CW 015/30	JEMMO (IF/IAF) (FO)	5100

QUALITY
16
CHECKED

CITY AND STATE
MIDLAND, TX

ELEVATION: 2872 TDZE: 2869
AIRPORT NAME:
MIDLAND INTL AIR AND SPACE PORT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 10, AMDT 2B
22 JUNE 2017

SUP:
AMDT: 2A
DATED: 04/02/2015

**RNAV 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	KMAF
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	315651.5180N
LTP/FTP LONGITUDE	1021258.8575W
LTP/FTP ELLIPSOIDAL HEIGHT	+08502
FPAP LATITUDE	315615.7900N
FPAP LONGITUDE	1021122.9000W
THRESHOLD CROSSING HEIGHT (TCH)	00054.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	A5409F34
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+08746
FPAP ORTHOMETRIC HEIGHT	+08746

QUALITY
16
CHECKED

CITY AND STATE MIDLAND, TX	ELEVATION: 2872 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT	TDZE: 2869 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 2B 22 JUNE 2017	SUP:
				AMDT: 2A
				DATED: 04/02/2015

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						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			LPV: DA LNAV/VNAV: DA LNAV: RW16R CLIMB TO 4700 DIRECT ICORO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 346.05 INBOUND. CHART FAS OBST: 3056 DRILLING RIG 315838N/1021246W CHART: ASR DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.38 NM TO RW16R* *LNAV ONLY. WAAS CHANNEL # 61329 REFERENCE PATH ID: W16A LTP HAE: 851 M									
PERAE (IF/IAF)			SIXVE (TF) (FB) (RNP 1.00)			166.03 / 7.32			4600												
SIXVE (FAF)			RW16R (MAP) (TF) (FO) (RNP 0.30)			166.04 / 5.27															
RW16R (MAP)			3072 MSL (CA)			166.04			4700												
3072 MSL			ICORO (DF) (FO) (RNP 1.00)																		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N PERAE, RT, 166.03 INBOUND, 5100 FT. IN LIEU OF PT (IAF) 3. FAC: 166.04 FAF: SIXVE DIST FAF TO MAP: 5.27 THLD: 5.27 4. MIN. ALT: PERAE 5100, SIXVE 4600 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4600 GS ALT AT: SIXVE 4600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 49.8 34:1 IS NOT CLEAR 8. MSA FROM: _____																		MAG VAR: 9E		EPOCH YEAR: 1985	
MINIMUMS																					
TAKEOFF: 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	3072	3/4	200	3072	3/4	200	3072	3/4	200	3072	3/4	200									
LNAV/VNAV DA	3398	1 3/4	526	3398	1 3/4	526	3398	1 3/4	526	3398	1 3/4	526									
LNAV MDA	3360	1	488	3360	1	488	3360	1 3/8	488	3360	1 3/8	488									
CIRCLING	3440	1	568	3440	1	568	3440	1 1/2	568	3520	2	648									
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 25C (77F). CHART NOTE: RWY 16R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: CIRCLING RWY 16L NA AT NIGHT																					
CITY AND STATE MIDLAND, TX				ELEVATION: 2872 TDZE: 2872 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16R, AMDT 1B 22 JUNE 2017				SUP:					
																AMDT: 1A					
																DATED 04/02/2015					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TAA

	FROM	TO	ALT
1.	076/30 CW 256/30 (NOPT)	PERAE (IF/IAF) (FB)	5100
2.	256/30 CW 076/30	PERAE (IF/IAF) (FO)	5300

QUALITY
16
CHECKED

CITY AND STATE MIDLAND, TX	ELEVATION: 2872 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT	TDZE: 2872 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16R, AMDT 1B 22 JUNE 2017	SUP:
				AMDT: 1A
				DATED: 04/02/2015

**RNAV 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	KMAF
RUNWAY	RW16R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	315733.8595N
LTP/FTP LONGITUDE	1021219.8585W
LTP/FTP ELLIPSOIDAL HEIGHT	+08510
FPAP LATITUDE	315600.2000N
FPAP LONGITUDE	1021210.3300W
THRESHOLD CROSSING HEIGHT (TCH)	00049.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	FB4BE8A6
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+08754
FPAP ORTHOMETRIC HEIGHT	+08754

QUALITY
16
CHECKED

CITY AND STATE MIDLAND, TX	ELEVATION: 2872 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT	TDZE: 2872 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16R, AMDT 1B 22 JUNE 2017	SUP:
				AMDT: 1A
				DATED: 04/02/2015

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		LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 5000 DIRECT TOKRE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 044.56 INBOUND. CHART FAS OBST: 3039 TOWER 315720N/1020926W CHART: ASR DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.30 NM TO RW22* *LNAV ONLY. WAAS CHANNEL # 50429 REFERENCE PATH ID: W22A LTP HAE: 845.8 M						
AYUPA (IF/IAF)		KITLE (TF) (FB) (RNP 1.00)			224.76 / 7.24			4500								
KITLE (FAF)		FONAX/2.50 NM TO RW22 (TF) (FB) (RNP 0.30)			224.70 / 2.51											
FONAX/2.50 NM TO RW22		RW22 (MAP) (TF) (FO) (RNP 0.30)			224.68 / 2.50											
RW22 (MAP)		3055 MSL (CA)			224.68											
3055 MSL		TOKRE (DF) (FO) (RNP 1.00)						5000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE AYUPA, RT, 224.76 INBOUND, 4700 FT. IN LIEU OF PT (IAF) 3. FAC: 224.70 FAF: KITLE DIST FAF TO MAP: 5.01 THLD: 5.01 4. MIN. ALT: AYUPA 4700, KITLE 4500, FONAX/2.50 NM TO RW22 3700* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4500 GS ALT AT: KITLE 4500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.0 34:1 IS NOT CLEAR 8. MSA FROM: _____											MAG VAR: 9E		EPOCH YEAR: 1985			
MINIMUMS																
TAKEOFF: 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	3055	3/4	200	3055	3/4	200	3055	3/4	200	3055	3/4	200				
LNAV/VNAV DA	3134	7/8	279	3134	7/8	279	3134	7/8	279	3134	7/8	279				
LNAV MDA	3320	1	465	3320	1	465	3320	1 3/8	465	3320	1 3/8	465				
CIRCLING	3440	1	568	3440	1	568	3440	1 1/2	568	3520	2	648				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 25C (77F). CHART NOTE: CIRCLING RWY 16L NA AT NIGHT. CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA.																
CITY AND STATE MIDLAND, TX		ELEVATION: 2872 TDZE: 2855 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1B 22 JUNE 2017					SUP:				
												AMDT: 1A				
												DATED 04/02/2015				



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TAA

	FROM	TO	ALT
1.	135/30 CW 315/30 (NOPT)	AYUPA (IF/IAF) (FB)	4700
2.	315/30 CW 135/30	AYUPA (IF/IAF) (FO)	5100

QUALITY
16
CHECKED

CITY AND STATE
MIDLAND, TX

ELEVATION: 2872 TDZE: 2855
AIRPORT NAME:
MIDLAND INTL AIR AND SPACE PORT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 22, AMDT 1B
22 JUNE 2017

SUP:
AMDT: 1A
DATED: 04/02/2015

**RNAV 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	KMAF
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	315621.1255N
LTP/FTP LONGITUDE	1021130.4595W
LTP/FTP ELLIPSOIDAL HEIGHT	+08458
FPAP LATITUDE	315528.2100N
FPAP LONGITUDE	1021254.7900W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1344
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

AC2DE8E2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+08702
FPAP ORTHOMETRIC HEIGHT	+08702

QUALITY
16
CHECKED

CITY AND STATE

MIDLAND, TX

ELEVATION: 2872

TDZE: 2855

AIRPORT NAME:

MIDLAND INTL AIR AND SPACE PORT

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, AMDT 1B

22 JUNE 2017

SUP:

AMDT: 1A

DATED: 04/02/2015

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						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		LPV: DA LNAV/VNAV: DA LNAV: RW28 CLIMB TO 5000 DIRECT JEMMO AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 104.45 INBOUND. CHART FAS OBST: 2963 ROD ON DOME 315636N/1021121W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.17 NM TO RW28* *LNAV ONLY. WAAS CHANNEL # 81816 REFERENCE PATH ID: W28A CHART: ASR LTP HAE: 845.8 M											
EASYY (IF/IAF)				SELNE (TF) (FB) (RNP 1.00)				284.71 / 7.28				4700													
SELNE (FAF)				RW28 (MAP) (TF) (FO) (RNP 0.30)				284.64 / 5.63																	
RW28 (MAP)				3058 MSL (CA)				284.64				5000													
3058 MSL				JEMMO (DF) (FO) (RNP 1.00)																					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E EASYY, RT, 284.71 INBOUND, 4700 FT. IN LIEU OF PT (IAF) 3. FAC: 284.64 FAF: SELNE DIST FAF TO MAP: 5.63 THLD: 5.63 4. MIN. ALT: EASYY 4700, SELNE 4700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4700 GS ALT AT: SELNE 4700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 52.8 34:1 IS CLEAR 8. MSA FROM: _____																MAG VAR: 9E					EPOCH YEAR: 1985				
MINIMUMS																									
TAKEOFF: 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	3058	3/4	200	3058	3/4	200	3058	3/4	200	3058	3/4	200													
LNAV/VNAV DA	3271	1 1/8	413	3271	1 1/8	413	3271	1 1/8	413	3271	1 1/8	413													
LNAV MDA	3280	3/4	422	3280	3/4	422	3280	1	422	3280	1	422													
CIRCLING	3440	1	568	3440	1	568	3440	1 1/2	568	3520	2	648													
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 25C (77F). CHART NOTE: CIRCLING RWY 16L NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS.																									
CITY AND STATE MIDLAND, TX				ELEVATION: 2872 TDZE: 2858 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 2B 22 JUNE 2017				SUP:											
														AMDT: 2A											
														DATED 04/02/2015											



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TAA

	FROM	TO	ALT
1.	195/30 CW 015/30 (NOPT)	EASYY (IF/IAF) (FB)	4700
2.	015/30 CW 195/30	EASYY (IF/IAF) (FO)	5100



CITY AND STATE
MIDLAND, TX

ELEVATION: 2872 TDZE: 2858
AIRPORT NAME:
MIDLAND INTL AIR AND SPACE PORT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 28, AMDT 2B
22 JUNE 2017

SUP:
AMDT: 2A
DATED: 04/02/2015

**RNAV 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	KMAF
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	315621.3855N
LTP/FTP LONGITUDE	1021137.9280W
LTP/FTP ELLIPSOIDAL HEIGHT	+08458
FPAP LATITUDE	315657.1100N
FPAP LONGITUDE	1021313.9000W
THRESHOLD CROSSING HEIGHT (TCH)	00052.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0432
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	AFE547E4
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+08701
FPAP ORTHOMETRIC HEIGHT	+08701

QUALITY
16
CHECKED

CITY AND STATE MIDLAND, TX	ELEVATION: 2872 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT	TDZE: 2858	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, AMDT 2B 22 JUNE 2017	SUP:
					AMDT: 2A
					DATED: 04/02/2015

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION						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		LPV: DA LNAV/VNAV: DA LNAV: RW34L CLIMB TO 5100 DIRECT PERAE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 166.03 INBOUND. CHART FAS OBST: 3025 TANK 315614N/1021239W CHART: ASR DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.19 NM TO RW34L* *LNAV ONLY. WAAS CHANNEL # 66029 REFERENCE PATH ID: W34A LTP HAE: 844.7 M											
ICORO (IF/IAF)				DAPCA (TF) (FB) (RNP 1.00)				346.05 / 7.28				4500													
DAPCA (FAF)				RW34L (MAP) (TF) (FO) (RNP 0.30)				346.04 / 5.02																	
RW34L (MAP)				3058 MSL (CA)				346.04				5100													
3058 MSL				PERAE (DF) (FO) (RNP 1.00)																					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S ICORO, RT, 346.05 INBOUND, 4700 FT. IN LIEU OF PT (IAF) 3. FAC: 346.04 FAF: DAPCA DIST FAF TO MAP: 5.02 THLD: 5.02 4. MIN. ALT: ICORO 4700, DAPCA 4500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 4500 GS ALT AT: DAPCA 4500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.1 34:1 IS CLEAR 8. MSA FROM: _____																MAG VAR: 9E EPOCH YEAR: 1985									
MINIMUMS																									
TAKEOFF: 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	3058	3/4	200	3058	3/4	200	3058	3/4	200	3058	3/4	200													
LNAV/VNAV DA	3203	1 1/8	345	3203	1 1/8	345	3203	1 1/8	345	3203	1 1/8	345													
LNAV MDA	3280	1	422	3280	1	422	3280	1 1/4	422	3280	1 1/4	422													
CIRCLING	3440	1	568	3440	1	568	3440	1 1/2	568	3520	2	648													
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 26C (78F). CHART NOTE: CIRCLING RWY 16L NA AT NIGHT. CHART NOTE: DME/DME RNP-0.3 NA.																									
CITY AND STATE				ELEVATION: 2872 TDZE: 2858				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
MIDLAND, TX				AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT				RNAV				RNAV (GPS) RWY 34L, AMDT 1B 22 JUNE 2017				AMDT: 1A									
																DATED 04/02/2015									



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TAA

	FROM	TO	ALT
1.	256/30 CW 076/30 (NOPT)	ICORO (IF/IAF) (FB)	4700
2.	076/30 CW 256/30	ICORO (IF/IAF) (FO)	5100

QUALITY
16
CHECKED

CITY AND STATE
MIDLAND, TX

ELEVATION: 2872 TDZE: 2858
AIRPORT NAME:
MIDLAND INTL AIR AND SPACE PORT

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 34L, AMDT 1B
22 JUNE 2017

SUP:
AMDT: 1A
DATED: 04/02/2015

**RNAV 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	KMAF
RUNWAY	RW34L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	315600.2040N
LTP/FTP LONGITUDE	1021210.3305W
LTP/FTP ELLIPSOIDAL HEIGHT	+08447
FPAP LATITUDE	315733.8600N
FPAP LONGITUDE	1021219.8600W
THRESHOLD CROSSING HEIGHT (TCH)	00050.1
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 F87D527E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+08690
FPAP ORTHOMETRIC HEIGHT	+08690

QUALITY
16
CHECKED

CITY AND STATE MIDLAND, TX	ELEVATION: 2872 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT	TDZE: 2858 RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34L, AMDT 1B 22 JUNE 2017	SUP:
				AMDT: 1A
				DATED: 04/02/2015

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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.

CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
MIDLAND, TX	MIDLAND INTL AIR AND SPACE PORT	22 JUNE 2017	1A

TAKEOFF MINIMUMS:

RWY 04, 10, 16L, 16R, 22, 28: STANDARD.
RWY 34L, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 3200.
RWY 34R, 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 3200.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 04: TREES BEGINNING 24 FT FROM DER, 34 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/2903 FT MSL. RODS, TOWERS AND DOMES BEGINNING 1231 FT FROM DER, 442 FT LEFT OF CENTERLINE, UP TO 108 FT AGL/2963 FT MSL.

NOTE: RWY 10: RODS, ANTENNAS, AND LIGHTS BEGINNING 72 FT FROM DER, 40 FT RIGHT OF CENTERLINE, UP TO 20FT AGL/2874 FT MSL. TREES, POLES, AND SIGNS BEGINNING 1296 FT FROM DER, 457 FT LEFT OF CENTERLINE, UP TO 40 FT AGL/2913 FT MSL.

NOTE: RWY 16L: SIGNS AND POLES BEGINNING 94 FT FROM DER, 20 FT LEFT OF CENTERLINE, UP TO 30 FT AGL/ 2877 FT MSL. RAILROAD BEGINNING 530 FT FROM DER, 17 FT LEFT OF CENTERLINE, 23 FT AGL/2869 FT MSL. VEHICLES ON ROAD BEGINNING 301 FT FROM DER, 268 FT LEFT OF CENTERLINE, 17 FT AGL/2862 FT MSL.

NOTE: RWY 16R: POLE 1794 FT FROM DER, 975 FT RIGHT OF CENTERLINE, 55 FT AGL/2906 FT MSL.

NOTE: RWY 22: TOWER, POLES, LIGHTS, AND ANTENNA BEGINNING 111 FT FROM DER, 66 FT RIGHT OF CENTERLINE, UP TO 102 FT AGL/2986 FT MSL. HANGARS 1112 FT FROM DER, 600 FT RIGHT OF CENTERLINE, 55 FT AGL/2906 FT MSL. TOWER, POLES, AND SIGN BEGINNING 83 FT FROM DER, 62 FT LEFT OF CENTERLINE, UP TO 120 FT AGL/2971 FT MSL.

NOTE: RWY 34L: DRILLING RIGS BEGINNING 201 FT FROM DER, 178 FT RIGHT OF CENTERLINE, UP TO 165 FT AGL/3037 FT MSL. DRILLING RIGS BEGINNING 3228 FT FROM DER, 769 FT LEFT OF CENTERLINE, 165 FT AGL/3056 FT MSL.

NOTE: RWY 34R: VEHICLES ON ROAD BEGINNING 256 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/2881 FT MSL. TREES AND BUSHES BEGINNING 171 FT FROM DER, 80 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/2878 FT MSL. POLES AND FENCE BEGINNING 28 FEET FROM DER, 109 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/2903 FT MSL. FENCE BEGINNING 83 FT FROM DER, 271 FT LEFT OF CENTERLINE, 8 FT AGL/2872 FT MSL. WINDMILL, POLES AND TREES BEGINNING 1239 FT FROM DER, 116 FT LEFT OF CENTERLINE, UP TO 66 FT AGL/2913 FT MSL. DRILLING RIG 5540 FT FROM DER, 267 FT LEFT OF CENTERLINE, 165 FT AGL/3025 FT MSL.

CONTROLLING OBSTACLES:

RWY 34L: 3056 FT MSL DRILLING RIG 315837.68N/1021246.27W.

RWY 34R: 3025 FT MSL DRILLING RIG 315741.08N/1021157.15W.



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
MIDLAND, TX	MIDLAND INTL AIR AND SPACE PORT	22 JUNE 2017	1A

REMARKS:

FLIGHT INSPECTED BY: *Digitally signed by*
MICHAEL S MILLER ***ALLAN WILL***
May 01, 2017

OFFICE SYMBOL: **DATE:**
FICO 04/13/2017

DEVELOPED BY: *Digitally signed by*
MIKE MELSEN ***ALLAN WILL***
May 01, 2017

OFFICE SYMBOL: **DATE:**
AJV-5412 03/17/2017

APPROVED BY: *Digitally signed by*
GEORGE DAVIS ***ALLAN WILL***
May 01, 2017

OFFICE SYMBOL: **DATE:**
AJV-5410

REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
☐	☒	☒	☐	☐	☒

OTHER:
MAF APP CON/ATCT, AMGR

CHANGES - REASONS:

1. AIRPORT NAME CHANGED FROM MIDLAND INTL TO MIDLAND INTL AIR AND SPACE PORT - AIRPORT REQUEST

QUALITY
16
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR OR TACAN 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: 3.09 NM AFTER MAF VORTAC OR AT MAF 3.09 DME					
TARZN INT		MAF VORTAC			205.00 / 22.94			5100		CLIMBING LEFT TURN TO 4800 ON HEADING 090 AND ON MAF VORTAC R-117 TO DERIC INT/MAF 19.00 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 297.02 INBOUND. CHART FAS OBST: 3071 DRILLING RIG 315830N/1021316W CHART: ASR CHART VDP AT 1.59 DME DISTANCE VDP TO THLD 1.50 NM. CHART MAF R-235 AT LOPEY. CHART MAF R-102 AT MIPEE. MAF VORTAC TO RW16R: 3.29/50.					
LOPEY/MAF 12.00 DME CW (IAF)		NUGSE/MAF 12.00 DME (NOPT)			12.00 DME ARC			4800							
MIPEE/MAF 12.00 DME CCW (IAF)		NUGSE/MAF 12.00 DME (NOPT)			12.00 DME ARC			4800							
NUGSE/MAF 12.00 DME (IF)		MAF VORTAC			183.48 / 12.00			4000							
1. PT <u>R</u> SIDE OF COURSE <u>003.48</u> OUTBOUND <u>5100</u> FT WITHIN <u>10</u> MILES OF <u>MAF VORTAC</u> (IAF)										MAG VAR: 11E EPOCH YEAR:1965					
2. _____															
3. FAC <u>183.48</u> FAF <u>MAF VORTAC</u> DIST FAF TO MAP <u>3.09</u> THLD <u>3.09</u>															
4. MIN. ALT <u>MAF VORTAC 4000</u>															
8. MSA FROM: <u>MAF VORTAC 5100</u>															
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-16R	3400	1	528	3400	1	528	3400	1 1/2	528	3400	1 1/2	528	3400	1 1/2	528
CIRCLING	3440	1	568	3440	1	568	3440	1 1/2	568	3520	2	648	3600	2 1/2	728
NOTES:															
CHART NOTE: RWY 16R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.										@ CAT E 800-2 1/2					
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).															
CHART PROFILE NOTE: PROCEDURE TURN NOT AUTHORIZED FOR CAT E.															
CITY AND STATE MIDLAND, TX		ELEVATION: 2872 TDZE: 2872 AIRPORT NAME: MIDLAND INTL AIR AND SPACE PORT		FACILITY IDENTIFIER: MAF		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR OR TACAN RWY 16R, AMDT 23B 22 JUNE 2017				SUP AMDT 23A DATE 04/02/2015					



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR OR TACAN 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: MAF 4.59 DME					
MAF VORTAC		ODDLE/MAF 10.00 DME		176.93 / 10.00				4800		CLIMB TO 4800 DIRECT MAF VORTAC AND ON MAF VORTAC R-357 TO MERGE INT/MAF 16.66 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 176.74 INBOUND. FAS OBST: 3052 AAO 315223N/1021414W CHART: ASR CHART VDP AT 5.91 DME DISTANCE VDP TO THLD 1.32 NM. CHART MAF R-301 AT PEMSE. CHART MAF R-047 AT QUADZ. ODDLE TO RW34L: 2.96/50. CHART PLANVIEW NOTE: DME REQUIRED.					
PEMSE/MAF 17.00 DME CCW (IAF)		ROVCO/MAF 17.00 DME (NOPT)		17.00 DME ARC				5000							
QUADZ/MAF 17.00 DME CW (IAF)		ROVCO/MAF 17.00 DME (NOPT)		17.00 DME ARC				4800							
ROVCO/MAF 17.00 DME (IF)		ODDLE/MAF 10.00 DME		356.98 / 7.00 (MAF R-177)				4600							
1. PT <u> L </u> SIDE OF COURSE <u> 176.98 </u> OUTBOUND <u> 4800 </u> FT WITHIN <u> 10 </u> MILES OF <u> ODDLE </u> (IAF) 2. _____ 3. FAC <u> 356.98 </u> FAF <u> ODDLE/MAF 10.00 DME </u> DIST FAF TO MAP _____ THLD <u> 5.41 </u> 4. MIN. ALT <u> ROVCO 4800, ODDLE 4600 </u> 8. MSA FROM: <u> MAF VORTAC 5100 </u>										MAG VAR: 11E EPOCH YEAR: 1965					
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-34L	3320	1	462	3320	1	462	3320	1 3/8	462	3320	1 3/8	462	3320	1 3/8	462
CIRCLING	3440	1	568	3440	1	568	3440	1 1/2	568	3520	2	648	3600	2 1/2	728
NOTES: @ CAT E 800-2 1/2 CHART NOTE: CIRCLING RWY 16L NA AT NIGHT. CHART NOTE: RWY 34L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME REQUIRED. CHART PROFILE NOTE: PROCEDURE TURN NOT AUTHORIZED FOR CAT E (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 2872 TDZE: 2858		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP		VOR/DME OR TACAN RWY 34L			
MIDLAND, TX		AIRPORT NAME:		MAF		VOR OR TACAN RWY 34L, AMDT 10B 22 JUNE 2017				AMDT		10A			
		MIDLAND INTL AIR AND SPACE PORT								DATE		04/02/2015			

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
VOR OR TACAN 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.):

CHART PLANVIEW NOTE: RADAR AND DME REQUIRED FOR PROCEDURE ENTRY AT PEMSE INT.



CITY AND STATE
MIDLAND, TX

ELEVATION: 2872 TDZE: 2858
AIRPORT NAME:
MIDLAND INTL AIR AND SPACE PORT

FACILITY
IDENTIFIER:
MAF

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
VOR OR TACAN RWY 34L, AMDT 10B
22 JUNE 2017

SUP: VOR/DME OR
TACAN RWY 34L
AMDT: 10A
DATED: 04/02/2015

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		LPV: DA LNAV/VNAV: DA LNAV: RW13 CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT ELEY AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 230 TOWER 274731N/0974125W DISTANCE TO THLD FROM 250 HAT: 0.66 NM. CHART VDP AT 1.13 NM TO RW13* *LNAV ONLY. WAAS CHANNEL # 97430 REFERENCE PATH ID: W13A CHART CIRCLING ICON. CHART: A-632C LTP HAE: -2.3 M						
CRP VORTAC		ELEY (TF) (FO) (RNP 2.00)			263.47 / 20.35			2000								
ATHIS (IAF)		ELEY (NOPT) (TF) (FB) (RNP 1.00)			170.75 / 10.39			2000								
ELEY (IF/IAF)		INBEW (TF) (FB) (RNP 1.00)			128.89 / 5.07			1700								
INBEW (FAF)		MATSS/1.90 NM TO RW13 (TF) (FB) (RNP 0.30)			128.89 / 3.06											
MATSS/1.90 NM TO RW13		RW13 (MAP) (TF) (FO) (RNP 0.30)			128.89 / 1.90											
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW ELEY, LT, 128.89 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 128.89 FAF: INBEW DIST FAF TO MAP: 4.96 THLD: 4.96 4. MIN. ALT: ELEY 2000, INBEW 1700, MATSS/1.90 NM TO RW13 720* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: INBEW 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW13 2200																
										MAG VAR: 6E			EPOCH YEAR: 2000			
MINIMUMS																
TAKEOFF: 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	330	1	250	330	1	250		NA			NA					
LNAV/VNAV DA	372	1	292	372	1	292		NA			NA					
LNAV MDA	480	1	400	480	1	400		NA			NA					
CIRCLING	540	1	460	540	1	460		NA			NA					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: CIRCLING NA NE OF RWY 13-31. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CORPUS CHRISTI INTL ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 80 TDZE: 80			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP:					
ROBSTOWN, TX		AIRPORT NAME:			NUECES COUNTY			RNAV (GPS) RWY 13, AMDT 1			AMDT: ORIG-A					
								22 JUNE 2017			DATED 05/29/2014					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW13 (MAP)	500 MSL (CA)	128.89	500
500 MSL	ELELY (DF) (FO) (RNP 1.00)		2000

NOTES, (CONT.):

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CRP VORTAC AIRWAY RADIALS 184 CW 305.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE CORPUS CHRISTI INTL ALTIMETER SETTING AND INCREASE LPV DA TO 358 FEET, LNAV/VNAV DA TO 400 FT AND ALL MDA 40 FEET.

QUALITY
25
CHECKED

CITY AND STATE
ROBSTOWN, TX

ELEVATION: 80 TDZE: 80
AIRPORT NAME:
NUECES COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13, AMDT 1
22 JUNE 2017

SUP:	
AMDT:	ORIG-A
DATED:	05/29/2014

**RNAV 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	KRBO
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	274654.2570N
LTP/FTP LONGITUDE	0974138.9660W
LTP/FTP ELLIPSOIDAL HEIGHT	-00023
FPAP LATITUDE	274551.1635N
FPAP LONGITUDE	0974027.8470W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 3878FC3A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00243
FPAP ORTHOMETRIC HEIGHT	+00243

QUALITY
25
CHECKED

CITY AND STATE ROBSTOWN, TX	ELEVATION: 80 AIRPORT NAME: NUECES COUNTY	TDZE: 80 FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 1 22 JUNE 2017	SUP:
				AMDT: ORIG-A
				DATED: 05/29/2014

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		LPV: DA LNAV/VNAV: DA LNAV: RW31 CLIMB TO 2000 DIRECT ELELY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 128.89 INBOUND. CHART FAS OBST: 226 COMM TWR 274540N/0974052W 299 AAO 274412N/0973800W CHART A-632C. DISTANCE TO THLD FROM 250 HAT: 0.67 NM. CHART VDP AT 1.14 NM TO RW31* *LNAV ONLY. WAAS CHANNEL # 50340 REFERENCE PATH ID: W31A CHART CIRCLING ICON. LTP HAE: -3.1 M						
CRP VORTAC		VAPPR (TF) (FO) (RNP 2.00)			189.12 / 16.77			2200								
ATHIS		VAPPR (TF) (FO) (RNP 2.00)			141.74 / 31.13			2200								
VAPPR (IF/IAF)		KIKRE (TF) (FB) (RNP 1.00)			308.99 / 4.07			2200								
KIKRE		NARRW (TF) (FB) (RNP 1.00)			308.97 / 2.93			1700								
NARRW (FAF)		JIGGL/3.80 NM TO RW31 (TF) (FB) (RNP 0.30)			308.95 / 1.17											
(SEE FORM 8260-10)																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE VAPPR, RT, 308.99 INBOUND, 2200 FT IN LIEU OF PT (IAF) 3. FAC: 308.95 FAF: NARRW DIST FAF TO MAP: 4.97 THLD: 4.97 4. MIN. ALT: VAPPR 2200, KIKRE 2200, NARRW 1700, JIGGL/3.80 NM TO RW31 1320* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: NARRW 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW31 2200																
										MAG VAR: 6E			EPOCH YEAR: 2000			
MINIMUMS																
TAKEOFF: 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	329	1	250	329	1	250		NA			NA					
LNAV/VNAV DA	370	1	291	370	1	291		NA			NA					
LNAV MDA	480	1	401	480	1	401		NA			NA					
CIRCLING	540	1	460	540	1	460		NA			NA					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F). @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: CIRCLING NA NE OF RWY 13-31. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING CORPUS CHRISTI INTL ALTIMETER SETTING. CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 80 TDZE: 79			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:				
ROBSTOWN, TX		AIRPORT NAME:					RNAV (GPS) RWY 31, ORIG					AMDT: NONE				
		NUECES COUNTY					22 JUNE 2017					DATED				

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JIGGL/3.80 NM TO RW31	RW31 (MAP) (TF) (FO) (RNP 0.30)	308.95 / 3.80	
RW31 (MAP)	329 MSL (CA)	308.95	
329 MSL	ELELY (DF) (FO) (RNP 1.00)		2000

NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART NOTE: PROCEDURE NA AT NIGHT.

CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE CORPUS CHRISTIE INTL ALTIMETER SETTING AND INCREASE LPV DA TO 357 FEET, LNAV/VNAV DA TO 398 FEET AND ALL MDA 40 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/8 SM.

QUALITY
25
CHECKED

CITY AND STATE

ROBSTOWN, TX

ELEVATION: 80

TDZE: 79

AIRPORT NAME:

NUECES COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

22 JUNE 2017

SUP:

AMDT:

NONE

DATED:

**RNAV 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	KRBO
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	274628.3855N
LTP/FTP LONGITUDE	0974109.7950W
LTP/FTP ELLIPSOIDAL HEIGHT	-00031
FPAP LATITUDE	274731.4680N
FPAP LONGITUDE	0974220.9335W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1624
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

77E28EF3

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00234
FPAP ORTHOMETRIC HEIGHT	+00234

QUALITY
25
CHECKED

CITY AND STATE

ROBSTOWN, TX

ELEVATION: 80

TDZE: 79

AIRPORT NAME:

NUECES COUNTY

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 31, ORIG

22 JUNE 2017

SUP:

AMDT:

NONE

DATED:

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29									Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES												MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE			ILS: DA LOC: 5.98 NM AFTER JETIT INT/I-PHF 7.58 DME OR AT I-PHF 1.60 DME									
HCM VORTAC			JAWES INT/I-PHF 13.60 DME			187.14 / 25.80			2000			CLIMB TO 2500 ON HEADING 067 AND ON CCV VORTAC R-253 TO RIPPS INT/CCV 17.50 DME AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 600 THEN CLIMBING LEFT TURN TO 2000 DIRECT HCM VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 253.04 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W HCM VORTAC, LT, 103.60 INBOUND. FAS OBST: 214 AAO 370546N/0763346W CHART VDP AT 2.81 DME* DISTANCE VDP TO THLD 1.20 NM. *LOC ONLY. CHART CIRCLING ICON.									
CVI VORTAC			MIDRE INT/I-PHF 17.60 DME			015.65 / 36.77			2100												
MIDRE INT/I-PHF 17.60 DME (IAF)			JAWES INT/I-PHF 13.60 DME (NOPT)			066.80 / 4.00 (I-PHF)			2000												
JAWES INT/I-PHF 13.60 DME (IF/IAF)			JETIT INT/I-PHF 7.58 DME			066.80 / 6.02 (I-PHF)			2000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)												MAG VAR: 9W EPOCH YEAR: 1985									
2. HOLD SW JAWES, LT, 066.80 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																					
3. FAC: 066.80 FAF: JETIT INT/I-PHF 7.58 DME DIST FAF TO MAP: 5.98 THLD: 5.98																					
4. MIN. ALT: JAWES 2000, JETIT 2000																					
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1100																					
6. MIN GS INCPT: 2000 GS ALT AT: JETIT INT/I-PHF 7.58 DME 2000 OM: _____ MM: _____ IM: _____																					
7. GS ANGLE: 3.00 TCH: 58.6																					
8. MSA FROM: ORF VORTAC 360-090 1800, 090-360 2300																					
MINIMUMS																					
TAKEOFF: 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 07	280	2400	240	280	2400	240	280	2400	240	280	2400	240									
S-LOC 07	480	2400	440	480	2400	440	480	4000	440	480	4000	440									
CIRCLING	520	1	478	540	1	498	740	2	698	780	2 1/4	738									
NOTES:																					
# @ NA WHEN CONTROL TOWER CLOSED. # CAT C 700-2, CAT D 800-2 1/4 @ CAT D 800-2 1/4																					
CITY AND STATE NEWPORT NEWS, VA				ELEVATION: 42 TDZE: 40 AIRPORT NAME: NEWPORT NEWS/WILLIAMSBURG INTL				FACILITY IDENTIFIER: I-PHF		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 7, AMDT 34 22 JUNE 2017				SUP: AMDT: 33A DATED 10/17/2013							

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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

QUALITY
22
CHECKED

CITY AND STATE
NEWPORT NEWS, VA

ELEVATION: 42 TDZE: 40
AIRPORT NAME:
NEWPORT NEWS/WILLIAMSBURG INTL

FACILITY
IDENTIFIER:
I-PHF

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 7, AMDT 34
22 JUNE 2017

SUP:
AMDT: 33A
DATED: 10/17/2013

US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.													
TERMINAL ROUTES													MISSED APPROACH																	
FROM				TO				COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 5.98 NM AFTER STEVE INT/I-DHY 5.70 DME OR AT I-DHY 0.29 DME																
HCM VORTAC				HASBA INT/I-DHY 11.61 DME				127.10 / 24.56				2000		CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2500 ON HEADING 080 AND ON CCV VORTAC R-254 TO HASBA INT/I-DHY 11.61 DME AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 2000 THEN RIGHT TURN DIRECT HCM VORTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 246.81 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD W LT, 103.60 INBOUND. FAS OBST: 214 AAO 371007N/0762516W CHART VDP AT 0.92 DME* DISTANCE VDP TO THLD 1.21 NM. *LOC ONLY. CHART IN PLANVIEW: HCM VORTAC. CHART CIRCLING ICON. CHART IN PLAINVIEW: HCM 24.56 DME AND ORF 21.25 DME AT HASBA.																
ORF VORTAC				HASBA INT/I-DHY 11.61 DME				358.23 / 21.25				2000																		
CCV VORTAC (IAF)				HASBA INT/I-DHY 11.61 DME (NOPT)				254.10 / 14.40				2000																		
HASBA INT/I-DHY 11.61 DME (IF/IAF)				STEVE INT/I-DHY 5.70 DME				246.81 / 5.92 (I-DHY)				2000																		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)													MAG VAR: 9W EPOCH YEAR: 1985																	
2. HOLD NE HASBA, RT, 246.81 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																														
3. FAC: 246.81 FAF: STEVE INT/I-DHY 5.70 DME DIST FAF TO MAP: 5.98 THLD: 5.98																														
4. MIN. ALT: HASBA 2000, STEVE 2000																														
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1041																														
6. MIN GS INCPT: 2000 GS ALT AT: STEVE INT/I-DHY 5.70 DME 2000 OM: _____ MM: _____ IM: _____																														
7. GS ANGLE: 3.00 TCH: 55.2																														
8. MSA FROM: ORF VORTAC 360-090 1800, 090-360 2300																														
MINIMUMS																														
TAKEOFF: 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 25	241	3/4	200	241	3/4	200	241	3/4	200	241	3/4	200																		
S-LOC 25	480	1	439	480	1	439	480	1 1/4	439	480	1 1/4	439																		
CIRCLING	520	1	478	540	1	498	740	2	698	780	2 1/4	738																		
NOTES: CHART PLANVIEW NOTE: TRANSITIONS TO HASBA INT MAY REQUIRE THE USE OF CROSSING RADIAL FROM ANOTHER TRANSITION FACILITY OR THE USE OF THE TRANSITIONS FACILITY'S DME.																														
# @ NA WHEN CONTROL TOWER CLOSED. # CAT C 700-2, CAT D 800-2 1/4 @ CAT D 800-2 1/4																														
CITY AND STATE NEWPORT NEWS, VA				ELEVATION: 42 TDZE: 41 AIRPORT NAME: NEWPORT NEWS/WILLIAMSBURG INTL			FACILITY IDENTIFIER: I-DHY		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 25, AMDT 2 22 JUNE 2017					SUP: AMDT: 1C DATED 04/28/2016																

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: I-FJQ 1.25 DME								
HCM VORTAC (IAF)			PANLE INT/I-FJQ 12.29 DME (NOPT)			127.64 / 14.91			2000		CLIMB TO 2000 THEN RIGHT TURN DIRECT HCM VORTAC AND HOLD.								
CCV VORTAC (IAF)			PANLE INT/I-FJQ 12.29 DME (NOPT)			275.96 / 21.38			2000										
PANLE INT/I-FJQ 12.29 DME (IF/IAF)			RACOT/I-FJQ 6.25 DME			201.81 / 6.04 (I-FJQ)			1700										
										ADDITIONAL FLIGHT DATA: HOLD W, LT, 103.60 INBOUND. CHART FAS OBST: 161 T-L TWR 370906N/0762943W CHART 504 STACK 371255N/0762740W. CHART 236 TOWER 371054N/0762910W. CHART CIRCLING ICON. RACOT TO RW20: 3.04/42. CHART VDP AT 1.05 NM TO RW20 CHART HCM R-128, CCV R-276 AT PANLE.									
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)										MAG VAR: 9W EPOCH YEAR:1985									
2. HOLD N PANLE, RT, 201.81 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																			
3. FAC 201.81 FAF RACOT/I-FJQ 6.25 DME DIST FAF TO MAP THLD 5.00																			
4. MIN. ALT PANLE 2000, RACOT 1700, ROBOY/I-FJQ 3.45 DME 780																			
8. MSA FROM: ORF VORTAC 2300																			
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-20		420	1	378	420	1	378	420	1	378	420	1	378						
CIRCLING		520	1	478	540	1	498	740	2	698	780	2 1/4	738						
NOTES:																			
CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.										@ NA WHEN CONTROL TOWER CLOSED.									
CHART NOTE: DME REQUIRED.										@ CAT D 800-2 1/4									
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CCV VORTAC ON V286 SOUTHEAST BOUND.																			
CITY AND STATE NEWPORT NEWS, VA		ELEVATION: 42 TDZE: 42 AIRPORT NAME: NEWPORT NEWS/WILLIAMSBURG INTL			FACILITY IDENTIFIER: I-FJQ			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 20, AMDT 1C 22 JUNE 2017					SUP LOC/DME RWY 20 AMDT 1B DATE 06/25/2015						



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		LPV: DA LNAV/VNAV: DA LNAV: RW02 CLIMB TO 2000 DIRECT PANLE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 201.84 INBOUND. CHART FAS OBST: 191 TOWER 370619N/0763015W CHART FAS OBST: 198 CTRL TWR 370747N/0763016W DISTANCE TO THLD FROM 203 HAT: 0.45 NM. CHART VDP AT 1.14 NM TO RW02* *LNAV ONLY. WAAS CHANNEL # 61020 REFERENCE PATH ID: W02A CHART CIRCLING ICON. LTP HAE: -24.7 M					
HCM VORTAC		NUTYI (TF) (FO) (RNP 2.00)		174.57 / 31.13				2300							
EVINN (IAF)		NUTYI (NOPT) (TF) (FB) (RNP 1.00)		302.26 / 15.16				2300							
WAKS (IAF)		NUTYI (NOPT) (TF) (FB) (RNP 1.00)		113.02 / 25.71				2300							
NUTYI (IF/IAF)		BCOAT (TF) (FB) (RNP 1.00)		021.77 / 6.04				1700							
BCOAT (FAF)		SOLOC/1.80 NM TO RW02 (TF) (FB) (RNP 0.30)		021.79 / 3.16											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S NUTYI, RT, 021.77 INBOUND, 2300 FT. IN LIEU OF PT (IAF) 3. FAC: 021.79 FAF: BCOAT DIST FAF TO MAP: 4.96 THLD: 4.96 4. MIN. ALT: NUTYI 2300, BCOAT 1700, SOLOC/1.80 NM TO RW02 660* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: BCOAT 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 60.0 34:1 IS CLEAR 8. MSA FROM: RW02 2300															
										MAG VAR: 9W			EPOCH YEAR: 1985		
MINIMUMS															
TAKEOFF: 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	241	1	203	241	1	203	241	1	203	241	1	203			
LNAV/VNAV DA	476	1 1/2	438	476	1 1/2	438	476	1 1/2	438	476	1 1/2	438			
LNAV MDA	460	1	422	460	1	422	460	1 1/4	422	460	1 1/4	422			
CIRCLING	520	1	478	540	1	498	740	2	698	780	2 1/4	738			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ CAT D 800-2 1/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).															
CITY AND STATE NEWPORT NEWS, VA		ELEVATION: 42 TDZE: 38 AIRPORT NAME: NEWPORT NEWS/WILLIAMSBURG INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 1B 22 JUNE 2017						SUP:			
												AMDT: 1A			
												DATED 10/17/2013			



**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, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SOLOC/1.80 NM TO RW02	RW02 (MAP) (TF) (FO) (RNP 0.30)	021.79 / 1.80	
RW02 (MAP)	241 MSL	021.79	
241 MSL	PANLE (DF) (FO) (RNP 1.00)		2000

QUALITY
19
CHECKED

CITY AND STATE

NEWPORT NEWS, VA

ELEVATION: 42

TDZE: 38

AIRPORT NAME:

NEWPORT NEWS/WILLIAMSBURG INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 1B

22 JUNE 2017

SUP:

AMDT: 1A

DATED: 10/17/2013

**RNAV 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	KPHF
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	370727.9390N
LTP/FTP LONGITUDE	0762957.8260W
LTP/FTP ELLIPSOIDAL HEIGHT	-00247
FPAP LATITUDE	370854.9335N
FPAP LONGITUDE	0762933.1350W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0760
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

83CF64B2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00114
FPAP ORTHOMETRIC HEIGHT	+00114

QUALITY
19
CHECKED

CITY AND STATE

NEWPORT NEWS, VA

ELEVATION: 42

TDZE: 38

AIRPORT NAME:

NEWPORT NEWS/WILLIAMSBURG INTL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 1B

22 JUNE 2017

SUP:

AMDT: 1A

DATED: 10/17/2013

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			LPV: DA LNAV/VNAV: DA LNAV: RW07 CLIMB TO 2500 DIRECT RIPPS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NE, RT, 246.87 INBOUND. FAS OBST: 214 AAO 370546N/0763346W DISTANCE TO THLD FROM 203 HAT: 0.46 NM. CHART VDP AT 1.20 NM TO RW07* *LNAV ONLY. WAAS CHANNEL # 45607 REFERENCE PATH ID: W07A CHART CIRCLING ICON. LTP HAE: -24.7 M					
CVI VORTAC	MIDRE (TF) (FB) (RNP 2.00)			015.65 / 36.77			2100								
HCM VORTAC	JAWES (TF) (FO) (RNP 2.00)			189.14 / 25.80			2000								
MIDRE (IAF)	JAWES (NOPT) (TF) (FB) (RNP 1.00)			066.63 / 4.00			2000								
JAWES (IF/IAF)	JETIT (TF) (FB) (RNP 1.00)			066.67 / 6.02			2000								
JETIT (FAF)	RW07 (MAP) (TF) (FO) (RNP 0.30)			066.74 / 5.98											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW JAWES, LT, 066.67 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 066.74 FAF: JETIT DIST FAF TO MAP: 5.98 THLD: 5.98 4. MIN. ALT: JAWES 2000, JETIT 2000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: JETIT 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 58.6 34:1 IS CLEAR 8. MSA FROM: RW07 2300															
										MAG VAR: 9W			EPOCH YEAR: 1985		
MINIMUMS															
TAKEOFF: 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	243	2400	203	243	2400	203	243	2400	203	243	2400	203			
LNAV/VNAV DA	474	5000	434	474	5000	434	474	5000	434	474	5000	434			
LNAV MDA	480	2400	440	480	2400	440	480	4000	440	480	4000	440			
CIRCLING	520	1	478	540	1	498	740	2	698	780	2 1/4	738			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HCM VORTAC ON V38 WESTBOUND. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON CVI VORTAC AIRWAY RADIALS 351 CW 086. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8.															
CITY AND STATE			ELEVATION: 42 TDZE: 40			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		
NEWPORT NEWS, VA			AIRPORT NAME: NEWPORT NEWS/WILLIAMSBURG INTL						RNAV (GPS) RWY 7, AMDT 4 22 JUNE 2017				AMDT: 3		
													DATED 01/13/2011		

QUALITY
 22
 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW07 (MAP)	243 MSL (CA)	066.74	
243 MSL	RIPPS (DF) (FO) (RNP 1.00)		2500

QUALITY
22
CHECKED

CITY AND STATE NEWPORT NEWS, VA	ELEVATION: 42	TDZE: 40	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 7, AMDT 4 22 JUNE 2017	SUP:
	AIRPORT NAME:				AMDT: 3
	NEWPORT NEWS/WILLIAMSBURG INTL				DATED: 01/13/2011

**RNAV 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	KPHF
RUNWAY	RW07
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W07A
LTP/FTP LATITUDE	370730.0105N
LTP/FTP LONGITUDE	0763004.9665W
LTP/FTP ELLIPSOIDAL HEIGHT	-00247
FPAP LATITUDE	370817.5390N
FPAP LONGITUDE	0762830.6735W
THRESHOLD CROSSING HEIGHT (TCH)	00058.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.50
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

1718C68B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00113
FPAP ORTHOMETRIC HEIGHT	+00113

QUALITY
22
CHECKED

CITY AND STATE

NEWPORT NEWS, VA

ELEVATION: 42

TDZE: 40

AIRPORT NAME:

NEWPORT NEWS/WILLIAMSBURG INTL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 7, AMDT 4

22 JUNE 2017

SUP:

AMDT:

3

DATED:

01/13/2011

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				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		LPV: DA LNAV/VNAV: DA LNAV: RW20 CLIMB TO 2300 DIRECT NUTTY AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 021.77 INBOUND. CHART FAS OBST: 161 T-L TWR 370906N/0762943W CHART FAS OBST: 159 TREE 370917N/0762937W CHART 236 TOWER 371054N/0762910W CHART 504 STACK 371255N/0762740W DISTANCE TO THLD FROM 337 HAT: 0.93 NM. CHART VDP AT 1.11 NM TO RW20* *LNAV ONLY. WAAS CHANNEL # 97420 REFERENCE PATH ID: W20A CHART CIRCLING ICON. LTP HAE: -23.2 M					
ORF VORTAC		PANLE (TF) (FO) (RNP 2.00)		344.71 / 28.26				2000							
CCV VORTAC (IAF)		PANLE (NOPT) (TF) (FB) (RNP 1.00)		274.96 / 21.38				2000							
HCM VORTAC (IAF)		PANLE (NOPT) (TF) (FB) (RNP 1.00)		129.64 / 14.91				2000							
PANLE (IF/IAF)		RACOT (TF) (FB) (RNP 1.00)		201.84 / 6.03				1700							
RACOT (FAF)		ROBOY/2.20 NM TO RW20 (TF) (FB) (RNP 0.30)		201.82 / 2.81											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N PANLE, RT, 201.84 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 201.82 FAF: RACOT DIST FAF TO MAP: 5.00 THLD: 5.00 4. MIN. ALT: PANLE 2000, RACOT 1700, ROBOY/2.20 NM TO RW20 780* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: RACOT 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 42.0 34:1 IS NOT CLEAR 8. MSA FROM: RW20 2300															
										MAG VAR: 9W			EPOCH YEAR: 1985		
MINIMUMS															
TAKEOFF: 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	379	1 1/8	337	379	1 1/8	337	379	1 1/8	337	379	1 1/8	337			
LNAV/VNAV DA	474	1 1/2	432	474	1 1/2	432	474	1 1/2	432	474	1 1/2	432			
LNAV MDA	440	1	398	440	1	398	440	1 1/8	398	440	1 1/8	398			
CIRCLING	520	1	478	540	1	498	740	2	698	780	2 1/4	738			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ CAT D 800-2 1/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CCV VORTAC ON V286 SOUTHEAST BOUND. CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.															
CITY AND STATE		ELEVATION: 42 TDZE: 42		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
NEWPORT NEWS, VA		AIRPORT NAME:		NEWPORT NEWS/WILLIAMSBURG INTL		RNAV (GPS) RWY 20, AMDT 2B				AMDT: 2A					
						22 JUNE 2017				DATED 10/17/2013					



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
ROBOY/2.20 NM TO RW20	RW20 (MAP) (TF) (FO) (RNP 0.30)	201.82 / 2.20	
RW20 (MAP)	379 MSL	201.82	
379 MSL	NUTYI (DF) (FO) (RNP 1.00)		2300

QUALITY
16
CHECKED

CITY AND STATE
NEWPORT NEWS, VA

ELEVATION: 42 TDZE: 42
AIRPORT NAME:
NEWPORT NEWS/WILLIAMSBURG INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 20, AMDT 2B
22 JUNE 2017

SUP:
AMDT: 2A
DATED: 10/17/2013

**RNAV 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	KPHF
RUNWAY	RW20
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W20A
LTP/FTP LATITUDE	370830.8570N
LTP/FTP LONGITUDE	0762939.9740W
LTP/FTP ELLIPSOIDAL HEIGHT	-00232
FPAP LATITUDE	370703.8575N
FPAP LONGITUDE	0763004.6745W
THRESHOLD CROSSING HEIGHT (TCH)	00042.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0760
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

7DF59FC2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00128
FPAP ORTHOMETRIC HEIGHT	+00128

QUALITY
16
CHECKED

CITY AND STATE

NEWPORT NEWS, VA

ELEVATION: 42

TDZE: 42

AIRPORT NAME:

NEWPORT NEWS/WILLIAMSBURG INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 20, AMDT 2B

22 JUNE 2017

SUP:

AMDT:

2A

DATED:

10/17/2013

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			LPV: DA LNAV/VNAV: DA LNAV: RW25 CLIMB TO 2000 DIRECT JAWES AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, LT, 066.67 INBOUND. FAS OBST: 214 AAO 371009N/0762515W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.21 NM TO RW25* *LNAV ONLY. WAAS CHANNEL # 45510 REFERENCE PATH ID: W25A CHART CIRCLING ICON. LTP HAE: -24.1 M					
HCM VORTAC	HASBA (TF) (FO) (RNP 2.00)			129.10 / 24.56			2000								
ORF VORTAC	HASBA (TF) (FO) (RNP 2.00)			000.23 / 21.25			2000								
CCV VORTAC (IAF)	HASBA (NOPT) (TF) (FB) (RNP 1.00)			253.10 / 14.40			2000								
HASBA (IF/IAF)	STEVE (TF) (FB) (RNP 1.00)			246.94 / 5.92			2000								
STEVE (FAF)	RW25 (MAP) (TF) (FO) (RNP 0.30)			246.87 / 5.98											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE HASBA, RT, 246.94 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 246.87 FAF: STEVE DIST FAF TO MAP: 5.98 THLD: 5.98 4. MIN. ALT: HASBA 2000, STEVE 2000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: STEVE 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.2 34:1 IS CLEAR 8. MSA FROM: RW25 2300															
										MAG VAR: 9W			EPOCH YEAR: 1985		
MINIMUMS															
TAKEOFF: 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	241	3/4	200	241	3/4	200	241	3/4	200	241	3/4	200			
LNAV/VNAV DA	516	1 5/8	475	516	1 5/8	475	516	1 5/8	475	516	1 5/8	475			
LNAV MDA	480	1	439	480	1	439	480	1 1/4	439	480	1 1/4	439			
CIRCLING	520	1	478	540	1	498	740	2	698	780	2 1/4	738			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11C (13F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON CCV VORTAC AIRWAY RADIALS 323 CW 016.															
CITY AND STATE		ELEVATION: 42		TDZE: 41		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
NEWPORT NEWS, VA		AIRPORT NAME:		NEWPORT NEWS/WILLIAMSBURG INTL		RNAV		RNAV (GPS) RWY 25, AMDT 3				AMDT: 2B			
								22 JUNE 2017				DATED 04/28/2016			



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
RW25 (MAP)	241 MSL (CA)	246.87	
241 MSL	JAWES (DF) (FO) (RNP 1.00)		2000

QUALITY
22
CHECKED

CITY AND STATE
NEWPORT NEWS, VA

ELEVATION: 42 TDZE: 41
AIRPORT NAME:
NEWPORT NEWS/WILLIAMSBURG INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25, AMDT 3
22 JUNE 2017

SUP:
AMDT: 2B
DATED: 04/28/2016

**RNAV 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	KPHF
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	370812.1715N
LTP/FTP LONGITUDE	0762841.3420W
LTP/FTP ELLIPSOIDAL HEIGHT	-00241
FPAP LATITUDE	370724.6355N
FPAP LONGITUDE	0763015.6275W
THRESHOLD CROSSING HEIGHT (TCH)	00055.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0312
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 A145B57C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00119
FPAP ORTHOMETRIC HEIGHT	+00119

QUALITY
22
CHECKED

CITY AND STATE NEWPORT NEWS, VA	ELEVATION: 42 AIRPORT NAME: NEWPORT NEWS/WILLIAMSBURG INTL	TDZE: 41	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, AMDT 3 22 JUNE 2017	SUP:
					AMDT: 2B
					DATED: 04/28/2016

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31135](#); Amdt. No. [3748](#)]

**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 amends, suspends, or removes 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 for the 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. U.S. Department of Transportation, Docket Ops-M30, 1200 New Jersey Avenue SE, West Bldg., Ground Floor, Washington, D.C., 20590-0001;

2. The FAA Air Traffic Organization Service Area in which the affected airport is located;

3. The office of Aeronautical Navigation Products, 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 the National Flight Data Center online at nfdc.faa.gov to register. Additionally, individual SIAP and Takeoff Minimums and ODP copies may be obtained from the FAA Air Traffic Organization Service Area in which the affected airport is located.

FOR FURTHER INFORMATION CONTACT: Thomas J. Nichols, Flight Procedure Standards Branch (AFS-420) Flight Technologies and Procedures 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 (NFDC)/Permanent Notice to Airmen (P-NOTAM), and is incorporated by reference under 5 U.S.C. 552(a), 1 CFR part 51, and 14 CFR §97.20. 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 on FAA form documents is unnecessary.

This amendment provides the affected CFR sections, and specifies the SIAPs and Takeoff Minimums and ODPs with their applicable effective dates. This amendment also identifies the airport and its location, the procedure and the amendment number.

Availability and Summary of Material Incorporated by Reference

The material incorporated by reference is publicly available as listed in the ADDRESSES section.

The material incorporated by reference describes SIAPs, Takeoff Minimums and ODPs as identified in the amendatory language for part 97 of this final rule.

The Rule

This amendment to 14 CFR part 97 is effective upon publication of each separate SIAP and Takeoff Minimums and ODP as amended in the transmittal. For safety and timeliness of change considerations, this amendment incorporates only specific changes contained for each SIAP and Takeoff Minimums and ODP as modified by FDC permanent NOTAMs.

The SIAPs and Takeoff Minimums and ODPs, as modified by FDC permanent 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 and Takeoff Minimums and ODPs, 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 that created the need for these SIAP and Takeoff Minimums and ODP amendments require making them effective in less than 30 days.

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 procedure under 5 U.S.C. 553(b) are impracticable and contrary to the public interest and, where applicable, under 5 U.S.C. 553(d), good cause exists for making these SIAPs effective in less than 30 days.

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, Navigation (Air).

Issued in Washington, DC on May 5, 2017

A handwritten signature in black ink, appearing to read "John S. Duncan", with a stylized, flowing script.

John S. Duncan
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 and Takeoff Minimums and ODPs, 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(f), 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
22-Jun-17	TX	Mineola	Mineola Wisener Field	7/0020	4/13/17	Takeoff Minimums and Obstacle DP, Orig
22-Jun-17	NC	Mount Olive	Mount Olive Muni	7/0025	4/13/17	RNAV (GPS) RWY 5, Orig-A
22-Jun-17	PA	Connellsville	Joseph A Hardy Connellsville	7/0029	4/13/17	LOC RWY 5, Amdt 4
22-Jun-17	TN	Dayton	Mark Anton	7/0663	4/11/17	RNAV (GPS) RWY 3, Orig
22-Jun-17	TN	Dayton	Mark Anton	7/0664	4/11/17	RNAV (GPS) RWY 21, Amdt 1
22-Jun-17	SC	Rock Hill	Rock Hill/York Co/Bryant Field	7/0681	4/11/17	RNAV (GPS) RWY 20, Amdt 1
22-Jun-17	TN	Tazewell	New Tazewell Muni	7/0697	4/11/17	RNAV (GPS) RWY 7, Orig
22-Jun-17	NJ	Princeton/Rocky Hill	Princeton	7/0698	4/13/17	RNAV (GPS) RWY 10, Amdt 1A
22-Jun-17	NC	Williamston	Martin County	7/0966	4/13/17	RNAV (GPS) RWY 21, Amdt 1
22-Jun-17	GA	Monroe	Monroe-Walton County	7/0969	4/13/17	RNAV (GPS) RWY 3, Amdt 2A
22-Jun-17	NC	Mooresville	Lake Norman Airpark	7/0992	4/11/17	RNAV (GPS) RWY 14, Amdt 1
22-Jun-17	GA	Cornelia	Habersham County	7/0993	4/13/17	RNAV (GPS) RWY 6, Amdt 1
22-Jun-17	GA	Cornelia	Habersham County	7/0994	4/13/17	RNAV (GPS) RWY 24, Amdt 1
22-Jun-17	GA	Cornelia	Habersham County	7/0995	4/13/17	VOR/DME RWY 6, Amdt 6A
22-Jun-17	VA	Blackstone	Allen C Perkinson Blackstone AAF	7/1009	4/13/17	RNAV (GPS) RWY 4, Amdt 1
22-Jun-17	VA	Blackstone	Allen C Perkinson Blackstone AAF	7/1010	4/13/17	RNAV (GPS) RWY 22, Amdt 1
22-Jun-17	MS	Cleveland	Cleveland Muni	7/1011	4/11/17	RNAV (GPS) RWY 18, Amdt 1
22-Jun-17	MS	Cleveland	Cleveland Muni	7/1012	4/11/17	RNAV (GPS) RWY 36, Orig-B
22-Jun-17	NC	Morganton	Foothills Regional	7/1013	4/13/17	LOC RWY 3, Amdt 2
22-Jun-17	NC	Morganton	Foothills Regional	7/1014	4/13/17	RNAV (GPS) RWY 21, Amdt 1
22-Jun-17	NC	Greensboro	Piedmont Triad Intl	7/1015	4/13/17	RNAV (GPS) RWY 32, Amdt 3
22-Jun-17	CQ	Rota Island	Benjamin Taisacan Manglona Intl	7/1016	4/11/17	NDB RWY 9, Amdt 4
22-Jun-17	RI	Pawtucket	North Central State	7/1018	4/13/17	LOC RWY 5, Amdt 7A

22-Jun-17	RI	Pawtucket	North Central State	7/1019	4/13/17	RNAV (GPS) RWY 5, Amdt 1
22-Jun-17	RI	Pawtucket	North Central State	7/1020	4/13/17	RNAV (GPS) RWY 23, Amdt 1
22-Jun-17	NY	Niagara Falls	Niagara Falls Intl	7/1198	4/28/17	RNAV (GPS) Z RWY 24, Orig
22-Jun-17	SC	Union	Union County, Troy Shelton Field	7/1436	4/11/17	RNAV (GPS) RWY 5, Orig-A
22-Jun-17	NC	Star	Montgomery County	7/1457	4/11/17	RNAV (GPS) RWY 3, Orig
22-Jun-17	NC	Star	Montgomery County	7/1458	4/11/17	RNAV (GPS) RWY 21, Orig
22-Jun-17	PA	Altoona	Altoona-Blair County	7/1473	4/13/17	ILS OR LOC RWY 21, Amdt 8A
22-Jun-17	PA	Altoona	Altoona-Blair County	7/1474	4/13/17	RNAV (GPS) RWY 21, Amdt 1B
22-Jun-17	NY	Millbrook	Sky Acres	7/1489	4/13/17	RNAV (GPS) RWY 17, Amdt 2
22-Jun-17	NC	Chapel Hill	Horace Williams	7/2521	4/26/17	RNAV (GPS) RWY 9, Orig-A
22-Jun-17	NC	Chapel Hill	Horace Williams	7/2522	4/26/17	RNAV (GPS) RWY 27, Orig-A
22-Jun-17	NC	Chapel Hill	Horace Williams	7/2523	4/26/17	VOR/DME RWY 27, Amdt 1B
22-Jun-17	NJ	Pittstown	Sky Manor	7/3434	4/13/17	VOR RWY 7, Amdt 3
22-Jun-17	NY	Ogdensburg	Ogdensburg Intl	7/3574	2/21/17	RNAV (GPS) RWY 9, Orig
22-Jun-17	NY	Niagara Falls	Niagara Falls Intl	7/3770	4/28/17	ILS Y OR LOC RWY 28R, Amdt 23
22-Jun-17	NY	Niagara Falls	Niagara Falls Intl	7/3771	4/28/17	ILS Z OR LOC/DME RWY 28R, Amdt 4
22-Jun-17	NY	Niagara Falls	Niagara Falls Intl	7/3772	4/28/17	NDB RWY 28R, Amdt 17
22-Jun-17	NY	Niagara Falls	Niagara Falls Intl	7/3773	4/28/17	RNAV (GPS) RWY 28R, Orig
22-Jun-17	NY	Niagara Falls	Niagara Falls Intl	7/3774	4/28/17	TACAN RWY 28R, Orig
22-Jun-17	NY	Niagara Falls	Niagara Falls Intl	7/3775	4/28/17	RNAV (GPS) RWY 10L, Orig
22-Jun-17	NY	Niagara Falls	Niagara Falls Intl	7/3776	4/28/17	RNAV (GPS) RWY 6, Orig
22-Jun-17	NY	Niagara Falls	Niagara Falls Intl	7/3777	4/28/17	RNAV (GPS) Y RWY 24, Orig
22-Jun-17	NC	New Bern	Coastal Carolina Regional	7/3780	4/26/17	VOR RWY 22, Amdt 3A
22-Jun-17	NC	New Bern	Coastal Carolina Regional	7/3781	4/26/17	RNAV (GPS) RWY 22, Amdt 1
22-Jun-17	MD	Hagerstown	Hagerstown Rgnl-Richard A Henson Fld	7/3782	4/28/17	ILS OR LOC RWY 9, Amdt 1
22-Jun-17	MD	Hagerstown	Hagerstown Rgnl-Richard A Henson Fld	7/3783	4/28/17	ILS OR LOC RWY 27, Amdt 11
22-Jun-17	MD	Hagerstown	Hagerstown Rgnl-Richard A Henson Fld	7/3784	4/28/17	RNAV (GPS) RWY 27, Amdt 1

22-Jun-17	MD	Hagerstown	Hagerstown Rgnl-Richard A Henson Fld	7/3785	4/28/17	RNAV (GPS) RWY 9, Amdt 1
22-Jun-17	MD	Hagerstown	Hagerstown Rgnl-Richard A Henson Fld	7/3786	4/28/17	COPTER RNAV (GPS) RWY 9, Orig
22-Jun-17	MD	Hagerstown	Hagerstown Rgnl-Richard A Henson Fld	7/3787	4/28/17	COPTER RNAV (GPS) RWY 27, Orig
22-Jun-17	NC	Rocky Mount	Rocky Mount-Wilson Rgnl	7/3788	4/26/17	RNAV (GPS) RWY 4, Amdt 2
22-Jun-17	NC	Rocky Mount	Rocky Mount-Wilson Rgnl	7/3789	4/26/17	RNAV (GPS) RWY 22, Amdt 2
22-Jun-17	FL	Titusville	Space Coast Rgnl	7/3805	4/11/17	ILS OR LOC RWY 36, Amdt 12A
22-Jun-17	NC	Siler City	Siler City Muni	7/3807	4/26/17	RNAV (GPS) RWY 4, Orig
22-Jun-17	TN	Bolivar	William L Whitehurst Field	7/3808	4/11/17	RNAV (GPS) RWY 1, Amdt 1
22-Jun-17	TN	Bolivar	William L Whitehurst Field	7/3809	4/11/17	RNAV (GPS) RWY 19, Amdt 1
22-Jun-17	NC	Siler City	Siler City Muni	7/3810	4/26/17	RNAV (GPS) RWY 22, Amdt 1
22-Jun-17	NY	Middletown	Randall	7/3811	4/26/17	RNAV (GPS) RWY 26, Amdt 1
22-Jun-17	NY	Middletown	Randall	7/3812	4/26/17	RNAV (GPS) RWY 8, Amdt 1
22-Jun-17	NY	Middletown	Randall	7/3813	4/26/17	VOR RWY 8, Amdt 7
22-Jun-17	NY	Sidney	Sidney Muni	7/3815	4/26/17	RNAV (GPS) RWY 7, Orig-C
22-Jun-17	NY	Sidney	Sidney Muni	7/3816	4/26/17	RNAV (GPS) RWY 25, Amdt 1
22-Jun-17	NJ	Manville	Central Jersey Rgnl	7/3817	4/26/17	RNAV (GPS) RWY 7, Amdt 1A
22-Jun-17	NJ	Manville	Central Jersey Rgnl	7/3818	4/26/17	RNAV (GPS) RWY 25, Amdt 1C
22-Jun-17	NC	Beaufort	Michael J Smith Field	7/3822	4/26/17	RNAV (GPS) RWY 14, Amdt 1
22-Jun-17	NC	Beaufort	Michael J Smith Field	7/3823	4/26/17	RNAV (GPS) RWY 21, Amdt 2
22-Jun-17	NC	Beaufort	Michael J Smith Field	7/3824	4/26/17	RNAV (GPS) RWY 3, Amdt 2
22-Jun-17	NC	Beaufort	Michael J Smith Field	7/3825	4/26/17	RNAV (GPS) RWY 32, Amdt 1
22-Jun-17	NC	Beaufort	Michael J Smith Field	7/3826	4/26/17	RNAV (GPS) RWY 8, Amdt 2
22-Jun-17	NY	Binghamton	Greater Binghamton/Edwin A Link Field	7/3828	4/26/17	RNAV (GPS) RWY 10, Orig
22-Jun-17	NY	Binghamton	Greater Binghamton/Edwin A Link Field	7/3829	4/28/17	RNAV (GPS) RWY 28, Amdt 2
22-Jun-17	VA	Brookneal	Brookneal/Campbell County	7/3832	4/13/17	RNAV (GPS) RWY 6, Orig-A

22-Jun-17	VA	Brookneal	Brookneal/Campbell County	7/3833	4/13/17	RNAV (GPS) RWY 24, Amdt 1
22-Jun-17	SC	North Myrtle Beach	Grand Strand	7/3837	4/26/17	RNAV (GPS) RWY 23, Amdt 1
22-Jun-17	SC	North Myrtle Beach	Grand Strand	7/3840	4/26/17	ILS OR LOC/DME RWY 23, Amdt 12
22-Jun-17	PA	Pittsburgh	Pittsburgh Intl	7/3882	4/28/17	ILS OR LOC RWY 28R, ILS RWY 28R (CAT II), Amdt 9A
22-Jun-17	NC	Hickory	Hickory Rgnl	7/3913	4/13/17	RNAV (GPS) RWY 1, Amdt 1
22-Jun-17	NC	Hickory	Hickory Rgnl	7/3914	4/13/17	RNAV (GPS) RWY 6, Amdt 1
22-Jun-17	NC	Fayetteville	Fayetteville Rgnl/Grannis Field	7/4178	4/13/17	ILS OR LOC/DME RWY 4, Amdt 17
22-Jun-17	NC	Clinton	Clinton-Sampson County	7/4368	4/26/17	RNAV (GPS) RWY 6, Amdt 2A
22-Jun-17	NC	Clinton	Clinton-Sampson County	7/4369	4/26/17	RNAV (GPS) Y RWY 24, Amdt 1A
22-Jun-17	NC	Clinton	Clinton-Sampson County	7/4370	4/26/17	RNAV (GPS) Z RWY 24, Orig-A
22-Jun-17	NC	Clinton	Clinton-Sampson County	7/4371	4/26/17	LOC RWY 6, Amdt 3A
22-Jun-17	NC	Pinehurst/Southern Pines	Moore County	7/4749	4/26/17	RNAV (GPS) RWY 23, Amdt 2
22-Jun-17	NC	Pinehurst/Southern Pines	Moore County	7/4769	4/26/17	RNAV (GPS) RWY 5, Amdt 1
22-Jun-17	NC	Pinehurst/Southern Pines	Moore County	7/4783	4/26/17	ILS Y OR LOC/DME Y RWY 5, Orig-A
22-Jun-17	NC	Pinehurst/Southern Pines	Moore County	7/4785	4/26/17	ILS Z OR LOC/DME Z RWY 5, Amdt 2A
22-Jun-17	NC	Rutherfordton	Rutherford Co - Marchman Field	7/4924	4/13/17	RNAV (GPS) RWY 19, Amdt 1
22-Jun-17	NC	Rutherfordton	Rutherford Co - Marchman Field	7/4925	4/13/17	RNAV (GPS) RWY 1, Amdt 2
22-Jun-17	NC	Rutherfordton	Rutherford Co - Marchman Field	7/4926	4/13/17	LOC RWY 1, Amdt 3
22-Jun-17	NH	Claremont	Claremont Muni	7/5161	4/13/17	RNAV (GPS) RWY 29, Orig-A
22-Jun-17	PA	Danville	Danville	7/5191	4/13/17	RNAV (GPS) RWY 27, Orig
22-Jun-17	PA	Danville	Danville	7/5192	4/13/17	RNAV (GPS) RWY 9, Orig
22-Jun-17	TN	Millington	Charles W Baker	7/5260	4/11/17	RNAV (GPS) RWY 18, Orig
22-Jun-17	TN	Millington	Charles W Baker	7/5262	4/11/17	RNAV (GPS) RWY 36, Orig
22-Jun-17	TN	Hohenwald	John A Baker Fld	7/5268	4/11/17	RNAV (GPS) RWY 2, Amdt 1
22-Jun-17	OK	Mc Alester	Mc Alester Rgnl	7/5295	4/13/17	VOR/DME RWY 20, Amdt 2F

22-Jun-17	VT	Rutland	Rutland - Southern Vermont Rgnl	7/5299	4/13/17	RNAV (GPS) Y RWY 19, Amdt 2
22-Jun-17	VT	Rutland	Rutland - Southern Vermont Rgnl	7/5300	4/13/17	ILS OR LOC/DME Y RWY 19, Orig
22-Jun-17	VT	Rutland	Rutland - Southern Vermont Rgnl	7/5301	4/13/17	ILS OR LOC/DME Z RWY 19, Orig
22-Jun-17	VT	Rutland	Rutland - Southern Vermont Rgnl	7/5302	4/13/17	RNAV (GPS) Z RWY 19, Orig
22-Jun-17	NY	Syracuse	Syracuse Hancock Intl	7/5308	4/11/17	ILS OR LOC RWY 10, Amdt 13A
22-Jun-17	NC	Edenton	Northeastern Rgnl	7/6384	4/11/17	RNAV (GPS) RWY 19, Amdt 2A
22-Jun-17	PA	Monongahela	Rostraver	7/6400	4/13/17	RNAV (GPS) RWY 26, Orig-B
22-Jun-17	PA	Monongahela	Rostraver	7/6401	4/13/17	RNAV (GPS) RWY 8, Amdt 1
22-Jun-17	GA	Valdosta	Valdosta Rgnl	7/6415	4/13/17	RNAV (GPS) RWY 4, Amdt 1A
22-Jun-17	VA	Orange	Orange County	7/6485	4/26/17	RNAV (GPS) RWY 8, Orig
22-Jun-17	VA	Orange	Orange County	7/6486	4/26/17	RNAV (GPS) RWY 26, Orig
22-Jun-17	TN	Lewisburg	Ellington	7/6855	4/11/17	RNAV (GPS) RWY 2, Amdt 1
22-Jun-17	FL	Homestead	Homestead General Aviation	7/7094	4/28/17	Takeoff Minimums and Obstacle DP, Orig-A
22-Jun-17	FL	Homestead	Homestead General Aviation	7/7095	4/28/17	RNAV (GPS) RWY 10, Orig
22-Jun-17	FL	Homestead	Homestead General Aviation	7/7096	4/28/17	RNAV (GPS) RWY 28, Orig
22-Jun-17	NY	Dansville	Dansville Muni	7/7123	4/28/17	Takeoff Minimums and Obstacle DP, Amdt 2
22-Jun-17	IL	Monmouth	Monmouth Muni	7/7242	4/28/17	Takeoff Minimums and Obstacle DP, Amdt 2A
22-Jun-17	NC	Maxton	Laurinburg-Maxton	7/7550	4/13/17	ILS OR LOC RWY 5, Amdt 2
22-Jun-17	NC	Maxton	Laurinburg-Maxton	7/7551	4/13/17	RNAV (GPS) RWY 5, Amdt 1A
22-Jun-17	KY	Glasgow	Glasgow Muni	7/7554	4/13/17	RNAV (GPS) RWY 8, Amdt 2
22-Jun-17	TN	Greeneville	Greeneville-Greene County Muni	7/7555	4/11/17	RNAV (GPS) RWY 5, Orig
22-Jun-17	TN	Greeneville	Greeneville-Greene County Muni	7/7556	4/11/17	NDB RWY 5, Amdt 5
22-Jun-17	TN	Lewisburg	Ellington	7/8083	4/11/17	RNAV (GPS) RWY 20, Amdt 1
22-Jun-17	NC	Williamston	Martin County	7/8621	4/13/17	RNAV (GPS) RWY 3, Amdt 1
22-Jun-17	GA	Adel	Cook County	7/8628	4/13/17	RNAV (GPS) RWY 5, Amdt 1

22-Jun-17	GA	Adel	Cook County	7/8629	4/13/17	RNAV (GPS) RWY 23, Amdt 1
22-Jun-17	TN	Millington	Charles W Baker	7/9621	4/11/17	VOR/DME RWY 18, Amdt 2
22-Jun-17	PA	Lebanon	Keller Brothers	7/9993	4/13/17	RNAV (GPS) RWY 7, Orig
22-Jun-17	PA	Lebanon	Keller Brothers	7/9994	4/13/17	RNAV (GPS) RWY 25, Orig

AIRAC Date: 22 JUNE 2017

FDC **7/0020** 3F9 ODP MINEOLA WISENER FIELD, MINEOLA, TX. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG... DELETE TAKEOFF MINIMUMS: RWYS 17, 35, NA-OBSTACLES. CHART TAKEOFF MINIMUMS: RWY 17, 35: NA - OBSTACLES. RWY 17R, 35L: NA - ENVIRONMENTAL. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-A. 1704131748-PERM

FDC **7/0025** W40 IAP MOUNT OLIVE MUNI, MOUNT OLIVE, NC. RNAV (GPS) RWY 5, ORIG-A... CHART TDZE 166, DELETE THRE 166. THIS IS RNAV (GPS) RWY 5, ORIG-B. 1704131751-PERM

FDC **7/0029** VVS IAP JOSEPH A HARDY CONNELLSVILLE, CONNELLSVILLE, PA. LOC RWY 5, AMDT 4... S-5 HAT CATS A/B/C 406. CHART TDZE 1254, DELETE THRE 1220. CHART NOTE: CIRCLING RWY 14, 23, 32 NA AT NIGHT. CHART NOTE: RWY 14, 23, 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING TO RWY 14, 23, 32 NA AT NIGHT. THIS IS LOC RWY 5, AMDT 4A. 1704131753-PERM

FDC **7/0663** 2A0 IAP MARK ANTON, DAYTON, TN. RNAV (GPS) RWY 3, ORIG... LPV DA 964. LNAV/VNAV DA 1213. LNAV HAT 466 ALL CATS. CHART NOTE: RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART TDZE 714, DELETE THRE 711. THIS IS RNAV (GPS) RWY 3, ORIG-A. 1702022020-PERM

FDC **7/0664** 2A0 IAP MARK ANTON, DAYTON, TN. RNAV (GPS) RWY 21, AMDT 1... CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART TDZE 718, DELETE THRE 718. THIS IS RNAV (GPS) RWY 21, AMDT 1A. 1702022020-PERM

FDC **7/0681** UZA IAP ROCK HILL/YORK CO/BRYANT FIELD, ROCK HILL, SC. RNAV (GPS) RWY 20, AMDT 1... LPV DA 912. LNAV/VNAV DA 1039. LNAV HAT 398 ALL CATS. CHART TDZE 662, DELETE THRE 661. CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 20, AMDT 1A. 1702022029-PERM

FDC **7/0697** 3A2 IAP NEW TAZEWEEL MUNI, TAZEWEEL, TN. RNAV (GPS) RWY 7, ORIG... LP HAT CATS A/B 1061 LNAV HAT CATS A/B 1081. CHART TDZE 1179, DELETE THRE 1177. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 7, 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 7, ORIG-A. 1702022050-PERM

FDC **7/0698** 39N IAP PRINCETON, PRINCETON/ROCKY HILL, NJ. RNAV (GPS) RWY 10, AMDT 1A... LNAV HAT CATS A/B/C 512. CHART TDZE 128, DELETE THRE 120. CHART NOTE: RWY 10, 28 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 10, AMDT 1B. 1702022053-PERM

FDC **7/0966** MCZ IAP MARTIN COUNTY, WILLIAMSTON, NC. RNAV (GPS) RWY 21, AMDT 1... LPV DA 380. LNAV/VNAV DA 337. LNAV HAT 365 ALL CATS. CHART TDZE 75, DELETE THRE 74. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: RWY 21 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. 34:1 IS CLEAR. THIS IS RNAV (GPS) RWY 21, AMDT 1A. 1702031913-PERM

FDC **7/0969** D73 IAP MONROE-WALTON COUNTY, MONROE, GA. RNAV (GPS) RWY 3, AMDT 2A... CHART TDZE 875, DELETE THRE 875. CHART NOTE: RWY 3, 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI {4.00}/TCH {51}). DELETE PROFILE NOTE VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS RNAV (GPS) RWY 3, AMDT 2B. 1702031937-PERM

FDC **7/0992** 14A IAP LAKE NORMAN AIRPARK, MOORESVILLE, NC. RNAV (GPS) RWY 14, AMDT 1... LNAV HAT CATS A/B 521. CHART TDZE 839, DELETE THRE 807. CHART NOTE: RWY 14, 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. DELETE PROFILE NOTE: DESCENT ANGLE NA. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 14, AMDT 1A. 1702032029-PERM

FDC **7/0993** AJR IAP HABERSHAM COUNTY, CORNELIA, GA. RNAV (GPS) RWY 6, AMDT 1... LPV DA 1740. LNAV/VNAV DA 1798. LNAV HAT 394 ALL CATS. CHART TDZE 1446, DELETE THRE 1408. CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 24 NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 6, AMDT 1A. 1702032055-PERM

FDC **7/0994** AJR IAP HABERSHAM COUNTY, CORNELIA, GA. RNAV (GPS) RWY 24, AMDT 1... LPV DA 1852. LNAV/VNAV DA 2154. LNAV HAT 612 ALL CATS. CHART TDZE 1448, DELETE THRE 1447. CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 24, AMDT 1A. 1702032055-PERM

FDC **7/0995** AJR IAP HABERSHAM COUNTY, CORNELIA, GA. VOR/DME RWY 6, AMDT 6A ... CHART NOTE: CIRCLING RWY 24 NA AT NIGHT. CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: DME REQUIRED. THIS IS VOR RWY 6, AMDT 6B 1702032055-PERM

FDC **7/1009** BKT IAP ALLEN C PERKINSON BLACKSTONE AAF, BLACKSTONE, VA. RNAV (GPS) RWY 4, AMDT 1... LPV DA CATS A/B/C 745. LNAV/VNAV DA CATS A/B/C 782. LNAV HAT CATS A/B/C 432. CHART TDZE 428, DELETE THRE 400. CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: CIRCLING NA E OF RWY 4-22. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING NA EAST OF RWY 4-22. THIS IS RNAV (GPS) RWY 4, AMDT 1A. 1702032122-PERM

FDC **7/1010** BKT IAP ALLEN C PERKINSON BLACKSTONE AAF, BLACKSTONE, VA. RNAV (GPS) RWY 22, AMDT 1... CHART TDZE 437, DELETE THRE 437. CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: CIRCLING NA E OF RWY 4-22. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING NA EAST OF RWY 4-22. THIS IS RNAV (GPS) RWY 22, AMDT 1A. 1702032122-PERM

FDC **7/1011** RNV IAP CLEVELAND MUNI, CLEVELAND, MS. RNAV (GPS) RWY 18, AMDT 1... CHART TDZE 140, DELETE THRE 140. CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 18, AMDT 1A. 1702032135-PERM

FDC **7/1012** RNV IAP CLEVELAND MUNI, CLEVELAND, MS. RNAV (GPS) RWY 36, ORIG-B... CHART TDZE 140 DELETE THRE 140. CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 36, ORIG-C. 1702032135-PERM

FDC **7/1013** MRN IAP FOOTHILLS REGIONAL, MORGANTON, NC. LOC RWY 3, AMDT 2... S-3 HAT CATS A/B/C 492. CHART TDZE 1248, DELETE THRE 1230. THIS IS LOC RWY 3, AMDT 2A. 1702032146-PERM

FDC **7/1014** MRN IAP FOOTHILLS REGIONAL, MORGANTON, NC. RNAV (GPS) RWY 21, AMDT 1... CHART TDZE 1270, DELETE THRE 1270. THIS IS RNAV (GPS) RWY 21, AMDT 1A. 1702032146-PERM

FDC **7/1015** GSO IAP PIEDMONT TRIAD INTL, GREENSBORO, NC. RNAV (GPS) RWY 32, AMDT 3... CHART TDZE 902, DELETE THRE 900. LPV DA 1102. LNAV/VNAV DA 1419. LNAV HAT 498 ALL CATS. THIS IS RNAV (GPS) RWY 32, AMDT 3A. 1702032152-PERM

FDC **7/1016** GRO IAP BENJAMIN TAISACAN MANGLONA INTL, ROTA ISLAND, CQ. NDB RWY 9, AMDT 4... S-9 HAT 1206 ALL CATS. CHART TDZE 594, DELETE THRE 586. THIS IS NDB RWY 9, AMDT 4A. 1702032204-PERM

FDC **7/1018** SFZ IAP NORTH CENTRAL STATE, PAWTUCKET, RI. LOC RWY 5, AMDT 7A... S-5 HAT CATS A/B/C 611. ESULE FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED) S-5 HAT CATS A/B/C 371. CHART TDZE 429, DELETE THRE 419. CHART NOTE: CIRCLING RWY 15, 33 NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 15/33 NA AT NIGHT. THIS IS LOC RWY 5, AMDT 7B. 1702032207-PERM

FDC **7/1019** SFZ IAP NORTH CENTRAL STATE, PAWTUCKET, RI. RNAV (GPS) RWY 5, AMDT 1... LPV DA 700. LNAV/VNAV DA 835. LNAV HAT CATS A/B/C 371. CHART TDZE 429, DELETE THRE 419. CHART NOTE: CIRCLING RWY 15, 33 NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 15/33 NA AT NIGHT. THIS IS RNAV (GPS) RWY 5, AMDT 1A. 1702032207-PERM

FDC **7/1020** SFZ IAP NORTH CENTRAL STATE, PAWTUCKET, RI. RNAV (GPS) RWY 23, AMDT 1... LPV DA 679. LNAV/VNAV DA 849. LNAV HAT CATS A/B/C 391. CHART TDZE 429, DELETE THRE 419. CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 15, 33 NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 15/33 NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 23, AMDT 1A. 1702032207-PERM

FDC **7/1198** IAG IAP NIAGARA FALLS INTL, Niagara Falls, NY. RNAV (GPS) Z RWY 24, ORIG... CHART TDZE 592, DELETE THRE 592. CHART NOTE: RWY 6, 10R, 24, 28L HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: STRAIGHT-IN RWY 24 NA AT NIGHT, CIRCLING RWY 6, 10R, 24, 28L NA AT NIGHT. DELETE NOTE: RWY 24 STRAIGHT-IN AND CIRCLING AND CIRCLING TO RWY 10R/6 NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) Z RWY 24, ORIG-A. 1704171454-PERM

FDC **7/1436** 35A IAP UNION COUNTY, TROY SHELTON FIELD, UNION, SC. RNAV (GPS) RWY 5, ORIG-A... LP HAT CATS A/B 396 LNAV HAT CATS A/B 436. CHART TDZE 604, DELETE THRE 573. CHART NOTE: RWY 5, 23 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. DELETE PROFILE NOTE: DESCENT ANGLE NA. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 5, ORIG-B. 1702061842-PERM

FDC **7/1457** 43A IAP MONTGOMERY COUNTY, STAR, NC. RNAV (GPS) RWY 3, ORIG... CHART TDZE 573, DELETE THRE 573. CHART NOTE: RWY 3, 21 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 3, ORIG-A. 1702061857-PERM

FDC **7/1458** 43A IAP MONTGOMERY COUNTY, STAR, NC. RNAV (GPS) RWY 21, ORIG... CHART TDZE 626, DELETE THRE 626. CHART NOTE: RWY 21, 3 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 21, ORIG-A. 1702061857-PERM

FDC **7/1473** AOO IAP ALTOONA-BLAIR COUNTY, ALTOONA, PA. ILS OR LOC RWY 21, AMDT 8A... S-ILS 21 DA 1686. S-LOC 21 HAT 754 ALL CATS. CHART TDZE 1486, DELETE THRE 1469. CHART NOTE: CIRCLING RWY 3, 12, 30 NA AT NIGHT. DELETE NOTE: NIGHT LANDING: RWY 3/12/30 NA. THIS IS ILS OR LOC RWY 21, AMDT 8B. 1702062000-PERM

FDC **7/1474** AOO IAP ALTOONA-BLAIR COUNTY, ALTOONA, PA. RNAV (GPS) RWY 21, AMDT 1B... LPV DA 1977. LNAV/VNAV DA 1999. LNAV HAT 674 ALL CATS. CHART TDZE 1486, DELETE THRE 1469. CHART NOTE: CIRCLING RWY 3, 12, 30 NA AT NIGHT. DELETE NOTE: NIGHT LANDING: RWY 3/12/30 NA. THIS IS RNAV (GPS) RWY 21, AMDT 1C. 1702062000-PERM

FDC **7/1489** 44N IAP SKY ACRES, MILLBROOK, NY. RNAV (GPS) RWY 17, AMDT 2... LP HAT CATS A/B 546 LNAV HAT CATS A/B 666. CHART TDZE 694, DELETE THRE 646. CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 17, AMDT 2A. 1702062112-PERM

FDC **7/2521** IGX IAP HORACE WILLIAMS, Chapel Hill, NC. RNAV (GPS) RWY 9, ORIG-A... LNAV HAT 549 ALL CATS. CIRCLING HAA CAT A 589, CAT B/C/D 609. CHART TDZE 511, DELETE THRE 512. CHART APT ELEV 511. CHART NOTE: RWY 9, 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 9, ORIG-B. 1703292028-PERM

FDC **7/2522** IGX IAP HORACE WILLIAMS, Chapel Hill, NC. RNAV (GPS) RWY 27, ORIG-A... LNAV HAT 410 ALL CATS. CIRCLING HAA CAT A 589, CAT B/C/D 609. CHART TDZE 510, DELETE THRE 492. CHART APT ELEV 511. CHART NOTE: RWY 9, 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 27, ORIG-B. 1703292028-PERM

FDC **7/2523** IGX IAP HORACE WILLIAMS, Chapel Hill, NC. VOR/DME RWY 27, AMDT 1B ... S-27 HAT 568 ALL CATS. CIRCLING HAA CAT A 589, CAT B/C/D 609. CHART TDZE 510, DELETE THRE 492. CHART APT ELEV 511. CHART NOTE: RWY 9, 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: DME REQUIRED. THIS IS VOR RWY 27, AMDT 1C 1703292028-PERM

FDC **7/3434** N40 IAP SKY MANOR, PITTSTOWN, NJ. VOR RWY 7, AMDT 3... S-7 HAT CAT A 662. CHART NOTE: RWY 7, 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART TDZE 558, DELETE THRE 551. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS VOR RWY 7, AMDT 3A. 1702102010-PERM

FDC **7/3574** OGS IAP OGDENSBURG INTL, OGDENSBURG, NY. RNAV (GPS) RWY 9, ORIG... LPV DA 542. LNAV/VNAV DA 767. LNAV MDA 740/HAT 448 ALL CATS, VIS CAT C/D 1 3/8. CIRCLING HAA CAT A 458, CAT B/C/D 698. CHART IN PLANVIEW: BROCKVILLE RGNL TACKABERRY APT. CHART IN PROFILE: BROCKVILLE RGNL TACKABERRY APT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 09 PROCEDURE NA AT NIGHT. CHANGE HELICOPTER NOTE TO READ: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE LOCAL ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MASSENA ALTIMETER SETTING: INCREASE LPV DA TO 623 FEET, LNAV/VNAV DA TO 848 FEET AND ALL VISIBILITIES 3/8 SM; INCREASE ALL MDAS 100 FEET AND LNAV/CIRCLING CAT C/D VISIBILITY 1/4 SM. CHART CIRCLING ICON. CHART FAS OBST: 481 ANT 444100N/0753037W. CHART TDZE 292 DELETE THRE 286. APT ELEV 302. THIS IS RNAV (GPS) RWY 9, ORIG-A. 1701112008-PERM

FDC **7/3770** IAG IAP NIAGARA FALLS INTL, NIAGARA FALLS, NY. ILS Y OR LOC RWY 28R, AMDT 23 ... CHART TDZE 588, DELETE THRE 588. CHART NOTE: RWY 28R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: RWY 6, 10R, 24, 28L HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 6, 10R, 24, 28L NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 6/24/10R/28L NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS ILS Y OR LOC Y RWY 28R, AMDT 23A. 1703121336-PERM

FDC **7/3771** IAG IAP NIAGARA FALLS INTL, NIAGARA FALLS, NY. ILS Z OR LOC/DME RWY 28R, AMDT 4 ... CHART TDZE 588, DELETE THRE 588. CHART NOTE: DME REQUIRED. CHART NOTE: RWY 28R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: RWY 6, 10R, 24, 28L HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 6, 10R, 24, 28L NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 6/24/10R/28L NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 NOT AUTHORIZED. THIS IS ILS Z OR LOC Z RWY 28R, AMDT 4A 1703121336-PERM

FDC **7/3772** IAG IAP NIAGARA FALLS INTL, NIAGARA FALLS, NY. NDB RWY 28R, AMDT 17... CHART TDZE 588, DELETE THRE 588. CHART NOTE: RWY 28R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: RWY 6, 10R, 24, 28L HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 6, 10R, 24, 28L NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 6/24/10R/28L NA AT NIGHT. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {2.50}/TCH {67}). THIS IS NDB RWY 28R, AMDT 17A. 1703121336-PERM

FDC **7/3773** IAG IAP NIAGARA FALLS INTL, NIAGARA FALLS, NY. RNAV (GPS) RWY 28R, ORIG... CHART TDZE 588, DELETE THRE 588. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {2.50}/TCH {67}). CHART NOTE: RWY 28R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: RWY 6, 10R, 24, 28L HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 6, 10R, 24, 28L NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 6/24/10R/28L NA AT NIGHT. THIS IS RNAV (GPS) RWY 28R, ORIG-A. 1703121336-PERM

FDC **7/3774** IAG IAP NIAGARA FALLS INTL, NIAGARA FALLS, NY. TACAN RWY 28R, ORIG... CHART TDZE 588, DELETE THRE 588. CHART NOTE: RWY 28R HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: RWY 6, 10R, 24, 28L HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 6, 10R, 24, 28L NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 6/24/10R/28L NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {2.50}/TCH {67}). THIS IS TACAN RWY 28R, ORIG-A. 1703121336-PERM

FDC **7/3775** IAG IAP NIAGARA FALLS INTL, NIAGARA FALLS, NY. RNAV (GPS) RWY 10L, ORIG... LP HAT 391 ALL CATS. LNAV HAT 451 ALL CATS. CHART TDZE 589, DELETE THRE 588. CHART NOTE: RWY 10L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: RWY 6, 10R, 24, 28L HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 6, 10R, 24, 28L NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 6, 10R, 24 NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 10L, ORIG-A. 1703121336-PERM

FDC **7/3776** IAG IAP NIAGARA FALLS INTL, NIAGARA FALLS, NY. RNAV (GPS) RWY 6, ORIG... LPV DA 864. LNAV/VNAV DA 849. LNAV HAT 354 ALL CATS. CHART TDZE 586, DELETE THRE 584. CHART NOTE: RWY 6, 10R, 24, 28L HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: STRAIGHT-IN RWY 6 NA AT NIGHT, CIRCLING RWY 6, 10R, 24, 28L NA AT NIGHT. DELETE NOTE: RWY 6 STRAIGHT-IN AND CIRCLING AND CIRCLING TO RWY 10R/24 NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 6, ORIG-A. 1703121336-PERM

FDC **7/3777** IAG IAP NIAGARA FALLS INTL, NIAGARA FALLS, NY. RNAV (GPS) Y RWY 24, ORIG... CHART TDZE 592, DELETE THRE 592. CHART NOTE: RWY 6, 10R, 24, 28L HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: STRAIGHT-IN RWY 24 NA AT NIGHT, CIRCLING RWY 6, 10R, 24, 28L NA AT NIGHT. DELETE NOTE: RWY 24 STRAIGHT-IN AND CIRCLING AND CIRCLING TO RWY 10R/6 NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) Y RWY 24, ORIG-A. 1703121336-PERM

FDC **7/3780** EWN IAP COASTAL CAROLINA REGIONAL, NEW BERN, NC. VOR RWY 22, AMDT 3A... S-22 HAT 583 ALL CATS. S-22 JIKIR FIX MINIMUMS (DME REQUIRED) HAT 463 ALL CATS. CHART TDZE 17, DELETE THRE 14. CHART NOTE: RWY 14, 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 14, 32 NA AT NIGHT. DELETE NOTE: CIRCLING RWY 14 AND 32 NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BELOW HELICOPTERS NA. THIS IS VOR RWY 22, AMDT 3B. 1703121357-PERM

FDC **7/3781** EWN IAP COASTAL CAROLINA REGIONAL, NEW BERN, NC. RNAV (GPS) RWY 22, AMDT 1... LPV DA 269. LNAV/VNAV DA 376. LNAV HAT 463 ALL CATS. CHART TDZE 17, DELETE THRE 14. CHART NOTE: RWY 14, 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 14, 32 NA AT NIGHT. DELETE NOTE: CIRCLING RWY 14 AND 32 NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BELOW HELICOPTERS NA. THIS IS RNAV (GPS) RWY 22, AMDT 1A. 1703121357-PERM

FDC **7/3782** HGR IAP HAGERSTOWN RGNL-RICHARD A HENSON FLD, HAGERSTOWN, MD. ILS OR LOC RWY 9, AMDT 1... CHART TDZE 695, DELETE THRE 664. S-ILS 9 DA 895. S-LOC 9 HAT 285 ALL CATS. CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 20 NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 20 NA AT NIGHT. THIS IS ILS OR LOC RWY 9, AMDT 1A. 1703121408-PERM

FDC **7/3783** HGR IAP HAGERSTOWN RGNL-RICHARD A HENSON FLD, HAGERSTOWN, MD. ILS OR LOC RWY 27, AMDT 11... S-ILS 27 DA 901. S-LOC 27 HAT 619 ALL CATS. WORUL FIX MINIMUMS: S-LOC 27 HAT 339 ALL CATS. CHART TDZE 701, DELETE THRE 686. CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 20 NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 20 NA AT NIGHT. THIS IS ILS OR LOC RWY 27, AMDT 11A. 1703121408-PERM

FDC **7/3784** HGR IAP HAGERSTOWN RGNL-RICHARD A HENSON FLD, HAGERSTOWN, MD. RNAV (GPS) RWY 27, AMDT 1... LPV DA 901. LNAV/VNAV DA 1035. LNAV HAT 399 ALL CATS. CHART TDZE 701, DELETE THRE 686. CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 20 NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 20 NA AT NIGHT. THIS IS RNAV (GPS) RWY 27, AMDT 1A. 1703121408-PERM

FDC **7/3785** HGR IAP HAGERSTOWN RGNL-RICHARD A HENSON FLD, HAGERSTOWN, MD. RNAV (GPS) RWY 9, AMDT 1... LPV DA 895, LNAV/VNAV DA 954, LNAV HAT 325 ALL CATS. CHART TDZE 695, DELETE THRE 664. CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 20 NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 20 NA AT NIGHT. THIS IS RNAV (GPS) RWY 9, AMDT 1A. 1703121408-PERM

FDC **7/3786** HGR IAP HAGERSTOWN RGNL-RICHARD A HENSON FLD, HAGERSTOWN, MD. COPTER RNAV (GPS) RWY 9, ORIG... LNAV HAT 325. CHART TDZE 695, DELETE THRE 664. THIS IS COPTER RNAV (GPS) RWY 9, ORIG-A. 1703121408-PERM

FDC **7/3787** HGR IAP HAGERSTOWN RGNL-RICHARD A HENSON FLD, HAGERSTOWN, MD. COPTER RNAV (GPS) RWY 27, ORIG... LNAV HAT 359. CHART TDZE 701, DELETE THRE 686. THIS IS COPTER RNAV (GPS) RWY 27, ORIG-A. 1703121408-PERM

FDC **7/3788** RWI IAP ROCKY MOUNT-WILSON RGNL, ROCKY MOUNT, NC. RNAV (GPS) RWY 4, AMDT 2... CHART TDZE 158, DELETE THRE 158. CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 4, AMDT 2A. 1703121424-PERM

FDC **7/3789** RWI IAP ROCKY MOUNT-WILSON RGNL, ROCKY MOUNT, NC. RNAV (GPS) RWY 22, AMDT 2... LPV DA 436. LNAV/VNAV DA 513. LNAV HAT 408 ALL CATS. CHART TDZE 152, DELETE THRE 150. CHART NOTE: RWY 22 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 22, AMDT 2A. 1703121424-PERM

FDC **7/3805** TIX IAP SPACE COAST RGNL, TITUSVILLE, FL. ILS OR LOC RWY 36, AMDT 12A... CHART TDZE 34, DELETE THRE 34. DELETE NOTE: CIRCLING TO RWY 9 AND 27 NA AT NIGHT. CHART CIRCLING ICON. THIS IS ILS OR LOC RWY 36, AMDT 12B. 1702131538-PERM

FDC **7/3807** SCR IAP SILER CITY MUNI, SILER CITY, NC. RNAV (GPS) RWY 4, ORIG... LP HAT CATS A/B/C 395. LNAV HAT CATS A/B/C 415. CHART TDZE 605, DELETE THRE 599. CHART NOTE: RWY 4, 22 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 4, ORIG-A. 1703121456-PERM

FDC **7/3808** M08 IAP WILLIAM L WHITEHURST FIELD, BOLIVAR, TN. RNAV (GPS) RWY 1, AMDT 1... CHART TDZE 499, DELETE THRE 499. CHART NOTE: RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. DELETE PROFILE NOTE: DESCENT ANGLE NA. THIS IS RNAV (GPS) RWY 1, AMDT 1A. 1702131558-PERM

FDC **7/3809** M08 IAP WILLIAM L WHITEHURST FIELD, BOLIVAR, TN. RNAV (GPS) RWY 19, AMDT 1... LP HAT 343 ALL CATS. LNAV HAT 423 ALL CATS. CHART TDZE 497, DELETE THRE 493. CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: RWY 1 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. DELETE PROFILE NOTE: DESCENT ANGLE NA. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 19, AMDT 1A. 1702131558-PERM

FDC **7/3810** SCR IAP SILER CITY MUNI, SILER CITY, NC. RNAV (GPS) RWY 22, AMDT 1... CHART TDZE 615, DELETE THRE 615. CHART NOTE: RWY 4, 22 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {3.50}/TCH {45}). DELETE PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. THIS IS RNAV (GPS) RWY 22, AMDT 1A. 1703121456-PERM

FDC **7/3811** 06N IAP RANDALL, MIDDLETOWN, NY. RNAV (GPS) RWY 26, AMDT 1... LP HAT CAT A 497. LNAV HAT CAT A 537. CHART TDZE 523, DELETE THRE 521. CHART NOTE: RWY 8, 26 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 26, AMDT 1A. 1703121504-PERM

FDC **7/3812** 06N IAP RANDALL, MIDDLETOWN, NY. RNAV (GPS) RWY 8, AMDT 1... LNAV HAT CAT A 617. CHART TDZE 523, DELETE THRE 501. CHART NOTE: RWY 8, 26 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 8, AMDT 1A. 1703121504-PERM

FDC **7/3813** 06N IAP RANDALL, MIDDLETOWN, NY. VOR RWY 8, AMDT 7... S-8 HAT CAT A 1199. ZETIN FIX MINIMUMS: S-8 HAT CAT A 1037. CHART TDZE 523, DELETE THRE 501. CHART NOTE: RWY 8, 26 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS VOR RWY 8, AMDT 7A. 1703121504-PERM

FDC **7/3815** N23 IAP SIDNEY MUNI, SIDNEY, NY. RNAV (GPS) RWY 7, ORIG-C... LNAV HAT CATS A/B/C 1113. CHART NOTE: RWY 7, 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART TDZE 1027, DELETE THRE 1025. CHART NOTE: STRAIGHT-IN RWY 7 NA AT NIGHT, CIRCLING RWY 7, 25 NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: RWY 7 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. THIS IS RNAV (GPS) RWY 7, ORIG-D. 1703121511-PERM

FDC **7/3816** N23 IAP SIDNEY MUNI, SIDNEY, NY. RNAV (GPS) RWY 25, AMDT 1... LP HAT CATS A/B/C 1053 LNAV CATS A/B/C 1173. CHART TDZE 1027, DELETE THRE 1022. RWY 7, 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 7 NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING TO RWY 7 NA AT NIGHT. THIS IS RNAV (GPS) RWY 25, AMDT 1A. 1703121511-PERM

FDC **7/3817** 47N IAP CENTRAL JERSEY RGNL, MANVILLE, NJ. RNAV (GPS) RWY 7, AMDT 1A... CHART TDZE 82, DELETE THRE 82. CHART NOTE: RWY 7, 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 7, AMDT 1B. 1703121516-PERM

FDC **7/3818** 47N IAP CENTRAL JERSEY RGNL, MANVILLE, NJ. RNAV (GPS) RWY 25, AMDT 1C... LP HAT CATS A/B/C 398. LNAV HAT CATS A/B/C 438. CHART TDZE 82, DELETE THRE 65. CHART NOTE: RWY 7, 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 25, AMDT 1D. 1703121516-PERM

FDC **7/3822** MRH IAP MICHAEL J SMITH FIELD, Beaufort, NC. RNAV (GPS) RWY 14, AMDT 1... LNAV HAT 351 ALL CATS. CHART TDZE 9, DELETE THRE 6. CHART NOTE: STRAIGHT-IN RWY 14 NA AT NIGHT, CIRCLING RWY 8, 14, 32 NA AT NIGHT. CHART NOTE: RWY 8, 14, 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE WHEN VGSI INOP, CIRCLING RWY 3, 21 NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: STRAIGHT-IN/CIRCLING RWY 14 PROCEDURE NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 32 NA AT NIGHT. THIS IS RNAV (GPS) RWY 14, AMDT 1A. 1703121530-PERM

FDC **7/3823** MRH IAP MICHAEL J SMITH FIELD, Beaufort, NC. RNAV (GPS) RWY 21, AMDT 2... LNAV HAT CATS A/B 391. CHART TDZE 9, DELETE THRE 7. CHART NOTE: CIRCLING RWY 8, 14, 32 NA AT NIGHT. CHART NOTE: RWY 8, 14, 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {4.00}/TCH {54}). DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING TO 8/14/32 NA AT NIGHT. THIS IS RNAV (GPS) RWY 21, AMDT 2A. 1703121530-PERM

FDC **7/3824** MRH IAP MICHAEL J SMITH FIELD, Beaufort, NC. RNAV (GPS) RWY 3, AMDT 2... LNAV HAT CATS A/B 471. CHART TDZE 9, DELETE THRE 8. CHART NOTE: CIRCLING RWY 8, 14, 32 NA AT NIGHT. CHART NOTE: RWY 8, 14, 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING TO 8/14/32 NA AT NIGHT. THIS IS RNAV (GPS) RWY 3, AMDT 2A. 1703121530-PERM

FDC **7/3825** MRH IAP MICHAEL J SMITH FIELD, Beaufort, NC. RNAV (GPS) RWY 32, AMDT 1... LP HAT 370 ALL CATS. LNAV HAT 450 ALL CATS. CHART TDZE 10, DELETE THRE 9. CHART NOTE: STRAIGHT-IN RWY 32 NA AT NIGHT, CIRCLING RWY 8, 14, 32 NA AT NIGHT. CHART NOTE: RWY 8, 14, 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: STRAIGHT-IN/CIRCLING RWY 32 PROCEDURE NA AT NIGHT. DELETE NOTE WHEN VGSI INOP, CIRCLING RWY 3, 21 NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 14 NA AT NIGHT. THIS IS RNAV (GPS) RWY 32, AMDT 1A. 1703121530-PERM

FDC **7/3826** MRH IAP MICHAEL J SMITH FIELD, Beaufort, NC. RNAV (GPS) RWY 8, AMDT 2... LP HAT 492 ALL CATS. LNAV HAT 532 ALL CATS. CHART TDZE 8, DELETE THRE 7. CHART NOTE: STRAIGHT-IN RWY 8 NA AT NIGHT, CIRCLING RWY 8, 14, 32 NA AT NIGHT. CHART NOTE: RWY 8, 14, 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 8, AMDT 2A. 1703121530-PERM

FDC **7/3828** BGM IAP GREATER BINGHAMTON/EDWIN A LINK FIELD, Binghamton, NY. RNAV (GPS) RWY 10, ORIG... CHART TDZE 1591, DELETE THRE 1591. CHART CIRCLING ICON. THIS IS RNAV (GPS) RWY 10, ORIG-A. 1703121541-PERM

FDC **7/3829** BGM IAP GREATER BINGHAMTON/EDWIN A LINK FIELD, Binghamton, NY. RNAV (GPS) RWY 28, AMDT 2... LPV DA 1837. LNAV/VNAV DA 2091. LNAV HAT 413 ALL CATS. CHART TDZE 1587, DELETE THRE 1572. CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART CIRCLING ICON. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: WHEN VGSI INOPERATIVE, CIRCLING RWY 34 NA AT NIGHT. THIS IS RNAV (GPS) RWY 28, AMDT 2A. 1703121541-PERM

FDC **7/3832** 0V4 IAP BROOKNEAL/CAMPBELL COUNTY, BROOKNEAL, VA. RNAV (GPS) RWY 6, ORIG-A... CHART TDZE 596, DELETE THRE 596. CHART NOTE: RWY 6 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 6, ORIG-B. 1702131653-PERM

FDC **7/3833** 0V4 IAP BROOKNEAL/CAMPBELL COUNTY, BROOKNEAL, VA. RNAV (GPS) RWY 24, AMDT 1... LP HAT CATS A/B 344. LNAV HAT CATS A/B 364. CHART TDZE 596, DELETE THRE 589. THIS IS RNAV (GPS) RWY 24, AMDT 1A. 1702131653-PERM

FDC **7/3837** CRE IAP GRAND STRAND, NORTH MYRTLE BEACH, SC. RNAV (GPS) RWY 23, AMDT 1... CHART TDZE 29, DELETE THRE 29. THIS IS RNAV (GPS) RWY 23, AMDT 1A. 1703121556-PERM

FDC **7/3840** CRE IAP GRAND STRAND, North Myrtle Beach, SC. ILS OR LOC/DME RWY 23, AMDT 12 ... CHART TDZE 29, DELETE THRE 29. CHART NOTE: DME REQUIRED. THIS IS ILS OR LOC RWY 23, AMDT 12A 1703121556-PERM

FDC **7/3882** PIT IAP PITTSBURGH INTL, Pittsburgh, PA. ILS OR LOC RWY 28R, AMDT 9A...ILS RWY 28R (CAT II). AMDT 9A ... CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN. DELETE NOTE: AUTHORIZATION TO CONDUCT THIS APPROACH REQUIRES SPECIFIC OPSPEC APPROVAL OF LOA FOR THIS RUNWAY. THIS IS ILS OR LOC RWY 28R, AMDT 9B...ILS RWY 28R (SA CAT II), AMDT 9B... 1703311434-PERM

FDC **7/3913** HKY IAP HICKORY RGNL, HICKORY, NC. RNAV (GPS) RWY 1, AMDT 1... LP HAT 426 ALL CATS. LNAV HAT 466 ALL CATS. CHART TDZE 1154, DELETE THRE 1142. CHART NOTE: RWY 1, 6, 19 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 1, AMDT 1A. 1702132144-PERM

FDC **7/3914** HKY IAP HICKORY RGNL, HICKORY, NC. RNAV (GPS) RWY 6, AMDT 1... LP HAT 408 ALL CATS. LNAV HAT 588 ALL CATS. CHART TDZE 1152, DELETE THRE 1136. CHART NOTE: RWY 1, 6, 19 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 6, AMDT 1A. 1702132144-PERM

FDC **7/4178** FAY IAP FAYETTEVILLE RGNL/GRANNIS FIELD, FAYETTEVILLE, NC. ILS OR LOC/DME RWY 4, AMDT 17 ... S-ILS 4 DA 389. S-LOC 4 HAT 331 ALL CATS. CHART NOTE: DME REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {3.13}/TCH {47}). CHART TDZE 189, DELETE THRE 185. THIS IS ILS OR LOC RWY 4, AMDT 17A 1702141557-PERM

FDC **7/4368** CTZ IAP CLINTON-SAMPSON COUNTY, Clinton, NC. RNAV (GPS) RWY 6, AMDT 2A... LPV DA 342. LNAV/VNAV DA 545. LNAV HAT 378 ALL CATS. CHART TDZE 142, DELETE THRE 130. CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 24 NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 24 NA AT NIGHT. THIS IS RNAV (GPS) RWY 6, AMDT 2B. 1703131639-PERM

FDC **7/4369** CTZ IAP CLINTON-SAMPSON COUNTY, Clinton, NC. RNAV (GPS) Y RWY 24, AMDT 1A... CHART TDZE 144, DELETE THRE 144. CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: STRAIGHT-IN RWY 24 NA AT NIGHT, CIRCLING RWY 24 NA AT NIGHT. DELETE NOTE: RWY 24 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) Y RWY 24, AMDT 1B. 1703131639-PERM

FDC **7/4370** CTZ IAP CLINTON-SAMPSON COUNTY, Clinton, NC. RNAV (GPS) Z RWY 24, ORIG-A... CHART TDZE 144, DELETE THRE 144. CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: STRAIGHT-IN RWY 24 NA AT NIGHT, CIRCLING RWY 24 NA AT NIGHT. DELETE NOTE: RWY 24 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) Z RWY 24, ORIG-B. 1703131639-PERM

FDC **7/4371** CTZ IAP CLINTON-SAMPSON COUNTY, Clinton, NC. LOC RWY 6, AMDT 3A... S-6 HAT 478 ALL CATS. MISSED APPROACH: CLIMB TO 2000 DIRECT CTZ NDB AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000, HOLD SW, RT 061.83 INBOUND (ADF REQUIRED). CHART TDZE 142, DELETE THRE 130. DELETE ALTERNATE MISSED APPROACH. CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 24 NA AT NIGHT. DELETE NOTE: CIRCLING TO RWY 24 NA AT NIGHT. THIS IS LOC RWY 6, AMDT 3B. 1703131639-PERM

FDC **7/4749** SOP IAP MOORE COUNTY, Pinehurst/Southern Pines, NC. RNAV (GPS) RWY 23, AMDT 2... CHART TDZE 443 DELETE THRE 431. LPV DA 693. LNAV/VNAV DA 699. LNAV HAT 337 ALL CATS. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: RWY 23 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. THIS IS RNAV (GPS) RWY 23, AMDT 2A. 1704031417-PERM

FDC **7/4769** SOP IAP MOORE COUNTY, Pinehurst/Southern Pines, NC. RNAV (GPS) RWY 5, AMDT 1... CHANGE THRE 455 TO TDZE 455. THIS IS RNAV (GPS) RWY 5, AMDT 1A. 1704031438-PERM

FDC **7/4783** SOP IAP MOORE COUNTY, Pinehurst/Southern Pines, NC. ILS Y OR LOC/DME Y RWY 5, ORIG-A ... CHANGE THRE 455 TO TDZE 455. CHART NOTE: DME REQUIRED. THIS IS ILS Y OR LOC Y RWY 5, ORIG-B. 1704031439-PERM

FDC **7/4785** SOP IAP MOORE COUNTY, Pinehurst/Southern Pines, NC. ILS Z OR LOC/DME Z RWY 5, AMDT 2A ... CHANGE THRE 455 TO TDZE 455. CHART NOTE: DME REQUIRED. THIS IS ILS Z OR LOC Z RWY 5, AMDT 2B. 1704031440-PERM

FDC **7/4924** FQD IAP RUTHERFORD CO - MARCHMAN FIELD, RUTHERFORDTON, NC. RNAV (GPS) RWY 19, AMDT 1... CHART TDZE 1077, DELETE THRE 1077. CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 MILE NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 19, AMDT 1A. 1702152029-PERM

FDC **7/4925** FQD IAP RUTHERFORD CO - MARCHMAN FIELD, RUTHERFORDTON, NC. RNAV (GPS) RWY 1, AMDT 2... LPV DA 1309. LNAV/VNAV DA 1459. LNAV HAT 361 ALL CATS. CHART TDZE 1059, DELETE THRE 1057. DELETE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT. THIS IS RNAV (GPS) RWY 1, AMDT 2A. 1702152029-PERM

FDC **7/4926** FQD IAP RUTHERFORD CO - MARCHMAN FIELD, RUTHERFORDTON, NC. LOC RWY 1, AMDT 3... S-1 HAT 541 ALL CATS. DASCA FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED): S-1 HAT 381 ALL CATS. CHART TDZE 1059, DELETE THRE 1057. DELETE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS LOC RWY 1, AMDT 3A. 1702152029-PERM

FDC **7/5161** CNH IAP CLAREMONT MUNI, CLAREMONT, NH. RNAV (GPS) RWY 29, ORIG-A... LNAV HAT CATS A/B 977. CHART NOTE: RWY 11, 29 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. CHART TDZE 543, DELETE THRE 542. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE PROFILE NOTE: DESCENT ANGLE NA. THIS IS RNAV (GPS) RWY 29, ORIG-B. 1702161444-PERM

FDC **7/5191** 8N8 IAP DANVILLE, DANVILLE, PA. RNAV (GPS) RWY 27, ORIG... LNAV HAT CATS A/B 981. CHART TDZE 559, DELETE THRE 554. CHART NOTE: RWY 9, 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. DELETE: DESCENT ANGLE 3.00/TCH 40. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 27, ORIG-A. 1702161516-PERM

FDC **7/5192** 8N8 IAP DANVILLE, DANVILLE, PA. RNAV (GPS) RWY 9, ORIG... LP HAT CATS A/B 721. LNAV HAT CATS A/B 801. CHART TDZE 559, DELETE THRE 541. CHART NOTE: RWY 9, 27 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 9, ORIG-A. 1702161516-PERM

FDC **7/5260** 2M8 IAP CHARLES W BAKER, MILLINGTON, TN. RNAV (GPS) RWY 18, ORIG... CHART TDZE 247, DELETE THRE 247. CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 18, ORIG-A. 1702161734-PERM

FDC **7/5262** 2M8 IAP CHARLES W BAKER, MILLINGTON, TN. RNAV (GPS) RWY 36, ORIG... LPV DA 586. LNAV/VNAV DA 689. LNAV HAT CATS A/B/C 434. CHART TDZE 246, DELETE THRE 242. CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 36, ORIG-A. 1702161734-PERM

FDC **7/5268** 0M3 IAP JOHN A BAKER FLD, HOHENWALD, TN. RNAV (GPS) RWY 2, AMDT 1... LP HAT CATS A/B/C 554. LNAV HAT CATS A/B/C 554. CHART TDZE 966, DELETE THRE 949. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: RWY 2, 20 HELICOPTER VISIBILITY REDUCTION NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 20 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 2 PROCEDURE NA AT NIGHT. THIS IS RNAV (GPS) RWY 2, AMDT 1A. 1702161745-PERM

FDC **7/5295** MLC IAP MC ALESTER RGNL, MC ALESTER, OK. VOR/DME RWY 20, AMDT 2F ... CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: DME REQUIRED. CHART PROFILE NOTE: VISUAL SURFACE - OBSTACLES. CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: STRAIGHT-IN RWY 20 NA AT NIGHT, CIRCLING RWY 20 NA AT NIGHT. DELETE NOTE: NIGHT LANDING: RWY 20 NA. DELETE NOTE HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS VOR RWY 20, AMDT 2G 1702161825-PERM

FDC **7/5299** RUT IAP RUTLAND - SOUTHERN VERMONT RGNL, RUTLAND, VT. RNAV (GPS) Y RWY 19, AMDT 2... LPV DA 2442. LNAV/VNAV DA 2253. LNAV HAT CATS A/B/C 1773. CHART TDZE 787, DELETE THRE 774. CHART NOTE: CIRCLING RWY 31 NA AT NIGHT. CHART NOTE: RWY 1, 13, 31 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING TO RWY 31 NA AT NIGHT. CHART CIRCLING ICON. THIS IS RNAV (GPS) Y RWY 19, AMDT 2A. 1702161831-PERM

FDC **7/5300** RUT IAP RUTLAND - SOUTHERN VERMONT RGNL, RUTLAND, VT. ILS OR LOC/DME Y RWY 19, ORIG ... S-ILS 19 1902. S-LOC 19 HAT CATS A/B/C 1493. CHART TDZE 787, DELETE THRE 774. CHART NOTE: CIRCLING RWY 31 NA AT NIGHT. CHART NOTE: RWY 1, 13, 31 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING TO RWY 31 NA AT NIGHT. CHART NOTE: DME REQUIRED. CHART CIRCLING ICON. CIRCLING CAT C MDA 2540/HAA 1753. ALTERNATE MINIMUMS: CAT A/B 1500-2, CAT C 1800-3. NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS ILS Y OR LOC Y RWY 19, ORIG-A 1702161831-PERM

FDC **7/5301** RUT IAP RUTLAND - SOUTHERN VERMONT RGNL, RUTLAND, VT. ILS OR LOC/DME Z RWY 19, ORIG... ... S-ILS 19 DA 1201. S-LOC 19 HAT CATS A/B/C 493. CHART TDZE 787, DELETE THRE 774. CIRCLING CAT B MDA 2020/HAA 1233, CAT C MDA 2540/HAA 1753. CHART NOTE: CIRCLING RWY 31 NA AT NIGHT. CHART NOTE: RWY 1, 13, 31 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING TO RWY 31 NA AT NIGHT. CHART NOTE: DME REQUIRED. CHART CIRCLING ICON. ALTERNATE MINIMUMS: CAT A 1200-2, CAT B 1300-2, CAT C 1800-3. NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS ILS Z OR LOC Z RWY 19, ORIG-A 1702161831-PERM

FDC **7/5302** RUT IAP RUTLAND - SOUTHERN VERMONT RGNL, RUTLAND, VT. RNAV (GPS) Z RWY 19, ORIG... LPV DA 1201. LNAV/VNAV DA 2081. LNAV HAT CATS A/B/C 1053. CIRCLING CAT B MDA 2020/HAA 1233, CAT C MDA 2540/HAA 1753. CHART TDZE 787, DELETE THRE 774. CHART NOTE: CIRCLING RWY 31 NA AT NIGHT. CHART NOTE: RWY 1, 13, 31 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 19 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: CIRCLING TO RWY 31 NA AT NIGHT. CHART CIRCLING ICON. ALTERNATE MINIMUMS: CAT A 1200-2, CAT B 1300-2, CAT C 1800-3. NA WHEN LOCAL WEATHER NOT AVAILABLE. THIS IS RNAV (GPS) Z RWY 19, ORIG-A. 1702161831-PERM

FDC **7/5308** SYR IAP SYRACUSE HANCOCK INTL, SYRACUSE, NY. ILS OR LOC RWY 10, AMDT 13A... S-ILS 10 DA **621. S-LOC 10 HAT 419 ALL CATS. TANUE FIX MINIMUMS: S-LOC 10 HAT 359 ALL CATS. CHART TDZE 421, DELETE THRE 419. THIS IS ILS OR LOC RWY 10, AMDT 13B. 1702161843-PERM

FDC **7/6384** EDE IAP NORTHEASTERN RGNL, EDENTON, NC. RNAV (GPS) RWY 19, AMDT 2A... LPV DA 220. LNAV/VNAV DA 270. LNAV HAT 320 ALL CATS. CHART TDZE 20, DELETE THRE 19. THIS IS RNAV (GPS) RWY 19, AMDT 2B. 1701202050-PERM

FDC **7/6400** FWQ IAP ROSTRAVER, MONONGAHELA, PA. RNAV (GPS) RWY 26, ORIG-B... CHART NOTE: RWY 26 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: RWY 8 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 8 NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 26, ORIG-C. 1701202058-PERM

FDC **7/6401** FWQ IAP ROSTRAVER, MONONGAHELA, PA. RNAV (GPS) RWY 8, AMDT 1... DELETE THRE 1228. CHART TDZE 1228. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: RWY 8 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 26 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 8, AMDT 1A. 1701202058-PERM

FDC **7/6415** VLD IAP VALDOSTA RGNL, VALDOSTA, GA. RNAV (GPS) RWY 4, AMDT 1A... LNAV HAT 358 ALL CATS. CHART TDZE 202. DELETE THRE 199. CHART NOTE: RWY 4 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. CHART NOTE: CIRCLING RWY 13, 31 NA AT NIGHT. DELETE NOTE: RWY 4 STRAIGHT-IN AND CIRCLING AND CIRCLING RWY 13/31 NA AT NIGHT. CHART NOTE: STRAIGHT-IN RWY 4 NA AT NIGHT. THIS IS RNAV (GPS) RWY 4, AMDT 1B. 1701202111-PERM

FDC **7/6485** OMH IAP ORANGE COUNTY, Orange, VA. RNAV (GPS) RWY 8, ORIG... LNAV HAT 579 ALL CATS. CHART TDZE 461, DELETE THRE 445. CHART NOTE: VISUAL SEGMENT - OBSTACLES. CHART NOTE: CIRCLING RWY 26 NA AT NIGHT. CHART NOTE: RWY 8 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: RWY 26 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. DELETE NOTE: CIRCLING TO RWY 26 NA AT NIGHT. DELETE: DESCENT ANGLE 3.00/TCH 40. THIS IS RNAV (GPS) RWY 8, ORIG-A. 1703171442-PERM

FDC **7/6486** OMH IAP ORANGE COUNTY, Orange, VA. RNAV (GPS) RWY 26, ORIG... CHART TDZE 464, DELETE THRE 464. CHART NOTE: VISUAL SEGMENT - OBSTACLES. CHART NOTE: RWY 26 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: STRAIGHT-IN RWY 26 NA AT NIGHT, CIRCLING RWY 26 NA AT NIGHT. DELETE NOTE: RWY 26 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. DELETE: DESCENT ANGLE 3.00/TCH 40. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS RNAV (GPS) RWY 26, ORIG-A. 1703171442-PERM

FDC **7/6855** LUG IAP ELLINGTON, LEWISBURG, TN. RNAV (GPS) RWY 2, AMDT 1... CHART TDZE 717, DELETE THRE 717. CHART NOTE: RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: STRAIGHT-IN RWY 2 NA AT NIGHT, CIRCLING RWY 2 NA AT NIGHT. DELETE NOTE: RWY 2 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 2, AMDT 1A. 1701232013-PERM

FDC **7/7094** X51 ODP HOMESTEAD GENERAL AVIATION, HOMESTEAD, FL. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES ORIG-A... CHANGE AIRPORT NAME FROM HOMESTEAD GENERAL AVIATION TO MIAMI HOMESTEAD GENERAL AVIATION. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, ORIG-B. 1704281232-PERM

FDC **7/7095** X51 IAP HOMESTEAD GENERAL AVIATION, Homestead, FL. RNAV (GPS) RWY 10, ORIG... LPV DA 257 CATS A/B. LNAV/VNAV DA 257 CATS A/B. LNAV HAT 313 CATS A/B. CHART TDZE 7 DELETE THRE 6. CHANGE ALTIMETER SETTING NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIAMI EXECUTIVE ALTIMETER SETTING: INCREASE LPV DA TO 283; INCREASE LNAV/VNAV DA TO 283; INCREASE ALL MDA 40 FEET, TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIAMI EXECUTIVE ALTIMETER SETTING: INCREASE LPV DA TO 284; INCREASE LNAV/VNAV DA TO 284; INCREASE ALL MDA 40 FEET. CHANGE AIRPORT NAME FROM HOMESTEAD GENERAL AVIATION TO MIAMI HOMESTEAD GENERAL AVIATION. THIS IS RNAV (GPS) RWY 10, ORIG-A. 1704281235-PERM

FDC **7/7096** X51 IAP HOMESTEAD GENERAL AVIATION, Homestead, FL. RNAV (GPS) RWY 28, ORIG... CHANGE THRE 7 TO TDZE 7. CHANGE AIRPORT NAME FROM HOMESTEAD GENERAL AVIATION TO MIAMI HOMESTEAD GENERAL AVIATION. THIS IS RNAV (GPS) RWY 28, ORIG-A. 1704281235-PERM

FDC **7/7123** DSV ODP DANSVILLE MUNI, Dansville, NY. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2... DELETE ALL REFERENCES TO RUNWAYS 18 AND 36. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 2A. 1704281329-PERM

FDC **7/7242** C66 ODP MONMOUTH MUNI, Monmouth, IL. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 2A... CHANGE ALL REFERENCES TO RUNWAYS 2/20 TO RWY 3/21. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 2B. 1704281547-PERM

FDC **7/7550** MEB IAP LAURINBURG-MAXTON, MAXTON, NC. ILS OR LOC RWY 5, AMDT 2... CIRCLING HAA CATS A/B/C 463, CAT D 563. CHART NOTE: CIRCLING RWY 13 NA AT NIGHT. CHART TDZE 215, DELETE THRE 215. AIRPORT ELEVATION 217. DELETE NOTE: CIRCLING TO RWY 13 NA AT NIGHT. THIS IS ILS OR LOC RWY 5, AMDT 2A. 1701251442-PERM

FDC **7/7551** MEB IAP LAURINBURG-MAXTON, MAXTON, NC. RNAV (GPS) RWY 5, AMDT 1A... CIRCLING HAA CATS A/B/C 463, CAT D 563. CHART TDZE 215, DELETE THRE 215. CHART NOTE: CIRCLING RWY 13 NA AT NIGHT. AIRPORT ELEVATION 217. DELETE NOTE: CIRCLING TO RWY 13 NA AT NIGHT. THIS IS RNAV (GPS) RWY 5, AMDT 1B. 1701251442-PERM

FDC **7/7554** GLW IAP GLASGOW MUNI, GLASGOW, KY. RNAV (GPS) RWY 8, AMDT 2... CHART TDZE 709, DELETE THRE 704. LPV DA 971. LNAV/VNAV DA 1125. LNAV HAT 431 ALL CATS. CHART NOTE: RWY 8 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 8, AMDT 2A. 1701251446-PERM

FDC **7/7555** GCY IAP GREENEVILLE-GREENE COUNTY MUNI, GREENEVILLE, TN. RNAV (GPS) RWY 5, ORIG... LPV DA 1876. LNAV/VNAV DA 2189. LNAV HAT 532 ALL CATS. CHART TDZE 1608, DELETE THRE 1590. CHART NOTE: CIRCLING RWY 23 NA AT NIGHT. DELETE NOTE: NIGHT LANDING: RWY 23 NA. THIS IS RNAV (GPS) RWY 5, ORIG-A. 1701251449-PERM

FDC **7/7556** GCY IAP GREENEVILLE-GREENE COUNTY MUNI, GREENEVILLE, TN. NDB RWY 5, AMDT 5... S-5 HAT 552 ALL CATS. CHART TDZE 1608, DELETE THRE 1590. CHART NOTE: CIRCLING RWY 23 NA AT NIGHT. DELETE NOTE: NIGHT LANDING: RWY 23 NA. THIS IS NDB RWY 5, AMDT 5A. 1701251449-PERM

FDC **7/8083** LUG IAP ELLINGTON, LEWISBURG, TN. RNAV (GPS) RWY 20, AMDT 1... CHART TDZE 709, DELETE THRE 709. CHART NOTE: RWY 2 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: RWY 20 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 20, AMDT 1A. 1701261530-PERM

FDC **7/8621** MCZ IAP MARTIN COUNTY, WILLIAMSTON, NC. RNAV (GPS) RWY 3, AMDT 1... LPV DA 336. LNAV/VNAV DA 476. LNAV HAT 386 ALL CATS. CHART TDZE 74, DELETE THRE 65. CHART NOTE: RWY 3, 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: RWY 03 STRAIGHT-IN AND CIRCLING MINIMUMS NA AT NIGHT. CHART VDP AT 1.14 NM TO RW03*. THIS IS RNAV (GPS) RWY 3, AMDT 1A. 1701272046-PERM

FDC **7/8628** 15J IAP COOK COUNTY, ADEL, GA. RNAV (GPS) RWY 5, AMDT 1... LPV DA 536. LNAV/VNAV DA 720. LNAV HAT 605 ALL CATS. CHART TDZE 235, DELETE THRE 233. CHART NOTE: RWY 15, 33 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 15, 33 NA AT NIGHT. THIS IS RNAV (GPS) RWY 5, AMDT 1A. 1701272055-PERM

FDC **7/8629** 15J IAP COOK COUNTY, ADEL, GA. RNAV (GPS) RWY 23, AMDT 1... CHART TDZE 235, DELETE THRE 235. CHART NOTE: RWY 15, 33 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 15, 33 NA AT NIGHT. THIS IS RNAV (GPS) RWY 23, AMDT 1A. 1701272055-PERM

FDC **7/9621** 2M8 IAP CHARLES W BAKER, Millington, TN. VOR/DME RWY 18, AMDT 2 ... CHART TDZE 247, DELETE THRE 247. CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: DME REQUIRED. THIS IS VOR RWY 18, AMDT 2A 1705031651-PERM

FDC **7/9993** 08N IAP KELLER BROTHERS, LEBANON, PA. RNAV (GPS) RWY 7, ORIG... CHART TDZE 547, DELETE THRE 547. CHART NOTE: RWY 7, 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 7, ORIG-A. 1704131737-PERM

FDC **7/9994** 08N IAP KELLER BROTHERS, LEBANON, PA. RNAV (GPS) RWY 25, ORIG... LNAV HAT CATS A/B 773. CHART TDZE 547, DELETE THRE 537. CHART NOTE: RWY 7, 25 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. THIS IS RNAV (GPS) RWY 25, ORIG-A. 1704131737-PERM