

U.S. Department
of Transportation

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

**Federal Aviation
Administration**

Transmittal Letter 16-20

August 12, 2016

**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 is a corrected copy of procedure previously published in TL 16-17 effective on
July 1, 2016, TL 16-18 effective July 15, 2016 and in TL 16-19 effective on July 29, 2016.**

Anchorage, AK, Ted Stevens Anchorage Intl, ILS RWY 15, Amdt 6C

Oakland, CA, Metropolitan Oakland Intl, ILS OR LOC RWY 12, ILS RWY 12 (SA CAT I),
Amdt 8A

Oakland, CA, Metropolitan Oakland Intl, RNAV (RNP) Z RWY 30, Amdt 3A

Paso Robles, CA, Paso Robles Muni, RNAV (GPS) RWY 19, Amdt 1A

San Jose, CA, Norman Y Mineta San Jose Intl, ILS OR LOC RWY 30L, ILS RWY 30L (SA
CAT I), ILS RWY 30L (SA CAT II), Amdt 25A

Trinidad, CO, Perry Stokes, RNAV (GPS) RWY 21, ORIG

Albany, GA, Southwest Georgia Rgnl, ILS OR LOC RWY 4, Amdt 11A

Albany, GA, Southwest Georgia Rgnl, LOC BC RWY 22, Amdt 8A

Kamuela, HI, Waimea-Kohala, RNAV (GPS) RWY 22, Orig-B

Sidney, NE, Sidney Muni / Lloyd W Carr Field, VOR/DME RWY 31, Amdt 5B

Harrisburg, PA, Harrisburg Intl, ILS OR LOC RWY 31, Amdt 1C

Reading, PA, Reading Rgnl/Carl A Spaatz Field, ILS OR LOC RWY 13, Amdt 1C

**The following procedure cancellation in TL 16-18 dated July 15, 2016 effective
September 15, 2016, was inadvertently left off the listing page, however, the forms were
included.**

Sidney, MT, Sidney-Richland Muni, NDB RWY 1, Amdt 3, CANCELED

**The following procedures, previously published in TL 16-17, effective July 1, 2016, TL 16-18,
effective July 15, 2016 and TL 16-19, effective July 29, 2016 have been rescinded in their
entirety.**

Arcata/Eureka, CA, Arcata, VOR/DME RWY 1, Amdt 8A, CANCELED

Bishop, CA, Bishop, VOR/DME OR GPS-B, Amdt 4B, CANCELED

Kokomo, IN, Kokomo Muni, VOR RWY 23, Amdt 20, CANCELED

Ruston, LA, Ruston Rgnl, NDB RWY 36, Orig-A, CANCELED

Sidney, MT, Sidney-Richland Muni, NDB RWY 1, Amdt 3, CANCELED

Clinton, OK, Clinton Rgnl, RNAV (GPS) RWY 17, Amdt 3

Clinton, OK, Clinton Rgnl, RNAV (GPS) RWY 35, Amdt 4

Clinton, OK, Clinton Rgnl, VOR/DME-A, Orig, CANCELED
Elk City, OK, Elk City Rgnl Business, RNAV (GPS) RWY 17, Amdt 2
Elk City, OK, Elk City Rgnl Business, RNAV (GPS) RWY 35, Amdt 2
Weatherford, OK, Thomas P Stafford, RNAV (GPS) RWY 35, Amdt 3
Corvallis, OR, Corvallis Muni, Takeoff Minimums and Obstacle DP, Amdt 6A
Canadian, TX, Hemphill County, RNAV (GPS) RWY 4, Amdt 2
Wheeler, TX, Wheeler Muni, RNAV (GPS) RWY 17, Orig-A, CANCELED
Wheeler, TX, Wheeler Muni, RNAV (GPS) RWY 35, Orig-A, CANCELED
Wheeler, TX, Wheeler Muni, RNAV (GPS)-A, Orig
Wheeler, TX, Wheeler Muni, RNAV (GPS)-B, Orig
Wheeler, TX, Wheeler Muni, VOR/DME-A, Amdt 2, CANCELED

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									
ELLAM/TED 22.00 DME CCW (IAF)		PEPVE/TED 22.00 DME		22.00 DME ARC ←		6300		CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 2500 ON HEADING 200 AND TED VOR/DME R-210 TO JUKEP/TED 15.00 DME AND HOLD (DME REQUIRED).									
PEPVE/TED 22.00 DME CCW		YOHNN/I-BSC 21.79 DME/RADAR		22.00 DME ARC (TED LR-330) ←		3100											
IVANN/TED 22.00 DME CW (IAF)		YOHNN/I-BSC 21.79 DME/RADAR		22.00 DME ARC (TED LR-319)		3100		ADDITIONAL FLIGHT DATA: HOLD NE, RT, 209.95 INBOUND. CHART TED R-037 AT ELLAM. CHART TED R-012 AT PEPVE. CHART TED R-288 AT IVANN. CHART: R2203									
BGQ VORTAC (IAF)		CARD D/I-BSC 13.21 DME/RADAR		181.39 / 12.27		3000											
YOHNN/I-BSC 21.79 DME/RADAR		CARD D/I-BSC 13.21 DME/RADAR		146.88 / 8.58 (I-BSC)		3000											
CARD D/I-BSC 13.21 DME/RADAR (IF)		KANSY/I-BSC 6.15 DME/RADAR		146.88 / 7.05 (I-BSC)		1600											
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 16-17.																	
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																	
2. PROFILE STARTS AT CARD D/I-BSC 13.21 DME/RADAR																	
3. FAC: 146.88 FAF: DIST FAF TO MAP: THLD:																	
4. MIN. ALT: CARD D 3000, KANSY 1600																	
5. DIST TO THLD FROM OM: 4.10 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1448																	
6. MIN GS INCPT: 1600 GS ALT AT: - OM: - MM: - IM: -																	
7. GS ANGLE: 3.20 TCH: 58.0																	
8. MSA FROM: TED VOR/DME 021-181 8900, 181-276 1800, 276-021 5600																	
MAG VAR: 18E EPOCH YEAR: 2020																	
MINIMUMS																	
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		ILS: 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	
S-ILS 15		351 4000 200		351 4000 200		401 4000 250		401 4000 250		401 4000 250							
NOTES: CHART NOTE: DME OR RADAR REQUIRED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BGQ VORTAC ON V438-456 NORTHBOUND. ← CHART PROFILE NOTE: USE I-BSC DME WHEN ON THE LOCALIZER COURSE. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED. (CONTINUED ON PAGE 2)																	
CITY AND STATE ANCHORAGE, AK		ELEVATION: 151 TDZE: 151 AIRPORT NAME: TED STEVENS ANCHORAGE INTL		FACILITY IDENTIFIER: I-BSC		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS RWY 15, AMDT 6C 15 SEPTEMBER 2016						SUP: AMDT: 6B DATED 10/15/2015					

QUALITY
4
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: INOPERATIVE TABLE DOES NOT APPLY

CITY AND STATE
ANCHORAGE, AK

ELEVATION: 151 TDZE: 151
AIRPORT NAME:
TED STEVENS ANCHORAGE INTL

FACILITY
IDENTIFIER:
I-BSC

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS RWY 15, AMDT 6C
15 SEPTEMBER 2016

SUP:
AMDT:
DATED: 10/15/2015

QUALITY
4
CHECKED
6B

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: 5.95 NM AFTER PLAZA INT/OAK 6.45 DME									
RAIDR (IAF)			ALCAT (FB)			138.35 / 12.40			2900			CLIMB ON HEADING 115.99 AND ON OAK VOR/DME R-131 TO CROSS HISIS/OAK 2.77 DME AT OR BELOW 1600 THEN CLIMB TO 5100 ON HEADING 090 AND ON OAK VOR/DME R-114 TO DECOT INT/OAK 11.00 DME/RADAR AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5100, OR AS DIRECTED BY ATC. (SEE FORM 8260-10)									
ALCAT INT/OAK 12.53 DME (IF)			PLAZA INT/OAK 6.45 DME			115.99 / 6.10 (I-AAZ)			1800												
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY IN TL 16-19.													ADDITIONAL FLIGHT DATA: HOLD SE, LT, 293.73 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING HOLD E, SJC VOR/DME, LT, 286.00 INBOUND CHART FAS OBST: 208 SHIP 374500N/1221700W CHART IN PLANVIEW: SJC VOR/DME. CHART MANDATORY 1800 AT PLAZA. CHART CIRCLING ICON. CHART MAXIMUM 1600 AT HISIS. CHART MANDATORY 5000 AT RAIDR								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)													MAG VAR: 14E EPOCH YEAR: 2015								
2. PROFILE STARTS AT ALCAT INT/OAK 12.53 DME																					
3. FAC: 115.99 FAF: PLAZA INT/OAK 6.45 DME DIST FAF TO MAP: 5.95 THLD: 5.95																					
4. MIN. ALT: ALCAT 2900, PLAZA 1800																					
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: 1988 100 HAT: - GS ANT: 1145																					
6. MIN GS INCPT: 1800 GS ALT AT: PLAZA 1800 OM: - MM: - IM: -																					
7. GS ANGLE: 2.75 TCH: 55.0																					
8. MSA FROM: OAK VOR/DME 170-350 3800, 350-170 5100																					
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 12**	209	2400	200	209	2400	200	209	2400	200	209	2400	200									
S-LOC 12	460	2400	451	460	2400	451	460	4500	451	460	4500	451									
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 12: CAT A, B, C, D, RA 153, RVR 2400, HAT 150, DA 159 MSL. CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART NOTE: DME REQUIRED. (CONTINUED ON PAGE 2)																					
CITY AND STATE OAKLAND, CA			ELEVATION: 9 TDZE: 9 AIRPORT NAME: METROPOLITAN OAKLAND INTL				FACILITY IDENTIFIER: I-AAZ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 12, AMDT 8A; ILS RWY 12 (SA CAT I) 15 SEPTEMBER 2016						SUP: AMDT: 8 DATED 03/05/2015						



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.

MISSED APPROACH INSTRUCTIONS, (CONT.):
ALTERNATE MA CLIMB ON HEADING 115.99 AND ON OAK VOR/DME R-131 TO CROSS HISIS/OAK
2.77 DME AT OR BELOW 1600 THEN CLIMB TO 4000 DIRECT SJC VOR/DME AND HOLD.

NOTES, (CONT.):
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: GPS REQUIRED.



CITY AND STATE OAKLAND, CA	ELEVATION: 9 AIRPORT NAME: METROPOLITAN OAKLAND INTL	TDZE: 9	FACILITY IDENTIFIER: I-AAZ	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 12, AMDT 8A; ILS RWY 12 (SA CAT I) 15 SEPTEMBER 2016	SUP:
					AMDT: 8
					DATED: 03/05/2015

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												
FRNNY (IAF)				WUVON (TF) (FB) (RNP 1.00)				296.11 / 5.11				2700		CLIMB TO 4000 ON TRACK 296.01 TO PLAZA AND ON TRACK 282.06 TO SAU VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.												
ALLXX (IF)				CRSEN (TF) (FB) (RNP 1.00)				113.72 / 3.38				5000														
CRSEN				HEPMO (RF) (FB) (RNP 1.00)				(2.72 NM RADIUS CW (CFFPC))/6.96				3100		ADDITIONAL FLIGHT DATA: HOLD NE, RT, 217.21 INBOUND. DISTANCE TO THLD FROM 258 HAT: 0.64 NM. ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S #TCH 64.0 MSL (DO NOT CHART)												
PARBB (IF)				HEPMO (TF) (FB) (RNP 1.00)				260.42 / 4.90				3100														
HEPMO				MITOE (RF) (FB) (RNP 1.00)				(5.82 NM RADIUS CW (CFFPB))/3.63				2000														
(SEE FORM 8260-10)																										
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 16-19.																										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																										
2. PROFILE STARTS AT MITOE																										
3. FAC: 296.07 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																										
4. MIN. ALT: MITOE 2000																										
5. DIST TO THLD FROM OM: 6.08 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																										
6. MIN GS INCPT: 2000 GS ALT AT: MITOE 2000 OM: _____ MM: _____ IM: _____																										
7. GS ANGLE: 3.00 TCH: 55.0 # 34:1 IS CLEAR																										
8. MSA FROM: RW30 5100																										
MAG VAR: 14E 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																										
AUTHORIZATION REQUIRED																										
RNP 0.11 DA 267 2400 258 267 2400 258 267 2400 258 267 2400 258																										
RNP 0.30 DA 317 2400 308 317 2400 308 317 2400 308 317 2400 308																										
NOTES: CHART NOTE: GPS REQUIRED. CHART SPEED ICON IN PLANVIEW AT ALLXX : MAX 210 KIAS. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. (CONTINUED ON PAGE 2)																										
CITY AND STATE OAKLAND, CA				ELEVATION: 9 TDZE: 9 AIRPORT NAME: METROPOLITAN OAKLAND INTL				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Z RWY 30, AMDT 3A 15 SEPTEMBER 2016				SUP: AMDT: 3 DATED 10/15/2015										

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
**RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33**

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
WUVON (IF)	MITOE (TF) (FB) (RNP 1.00)	296.09 / 2.21	2000
MITOE (FAF)	RW30 (MAP) (TF) (FO)	296.07 / 6.08	
RW30 (MAP)	PLAZA (TF) (FB) (RNP)	296.01 / 7.66 ←	
PLAZA (TF)	SAU VOR/DME (TF) (FO) (RNP1.00)	282.06 / 9.78	4000

NOTES, (CONT.):

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 1C (32F) OR ABOVE 54C (130F).

CHART PLANVIEW NOTE ADJACENT TO ALEXX AND PARBB: RF REQUIRED.

CHART NOTE: FOR INOPERATIVE ALSF-2 INCREASE RNP 0.11 VISIBILITY ALL CATS TO RVR 4000.

QUALITY
2
CHECKED

CITY AND STATE

OAKLAND, CA

ELEVATION: 9

TDZE: 9

AIRPORT NAME:

METROPOLITAN OAKLAND INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (RNP) Z RWY 30, AMDT 3A

15 SEPTEMBER 2016

SUP:

AMDT: **3**

DATED: **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		LPV: DA LNAV/VNAV: DA LNAV: RW19 CLIMB TO 1800 THEN CLIMBING LEFT TURN TO 6500 DIRECT NEFDE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 6500. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 116.66 INBOUND. CHART FAS OBST: 989 TREE 354226N/1203542W CHART R-2504. DISTANCE TO THLD FROM 250 HAT: 0.67 NM. CHART VDP AT 1.44 NM TO RW19* *LNAV ONLY. WAAS CHANNEL # 65819 REFERENCE PATH ID: W19A 1209 AAO 354350N/1203538W. 1819 AAO 354536N/1203250W. CHART CIRCLING ICON LTP HAE: 210.7 M					
PRB VORTAC		HOVLI (FO)		012.81 / 12.35				4700							
NEFDE (IAF)		ZUGPO (FB)		247.59 / 4.14				5500							
ZUGPO		HOVLI (NOPT) (FB)		238.15 / 5.56				4400							
FIKDU (IAF)		MEETL (FB)		097.33 / 10.94				4400							
MEETL		HOVLI (NOPT) (FB)		142.30 / 6.32				4400							
HOVLI (IF/IAF)		WUGOP (FB)		193.72 / 3.69				3400							
WUGOP		JERBU (FB)		193.69 / 2.36				2700		(SEE FORM 8260-10) THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 16-19.					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW HOVLI, RT, 133.00 INBOUND, 4400 FT. IN LIEU OF PT (IAF) 3. FAC: 193.68 FAF: JERBU DIST FAF TO MAP: 5.84 THLD: 5.84 4. MIN. ALT: HOVLI 4400, WUGOP 3400, JERBU 2700, YIRUK/3.10 NM TO RW19 1820* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2700 GS ALT AT: JERBU 2700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 37.0 34:1 IS CLEAR 8. MSA FROM: RW19 5600										MAG VAR: 15E		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	1062	7/8	250	1062	7/8	250	1062	7/8	250	1062	7/8	250			
LNAV/VNAV DA	1190	1 3/8	378	1190	1 3/8	378	1190	1 3/8	378	1190	1 3/8	378			
LNAV MDA	1300	1	488	1300	1	488	1300	1 3/8	488	1300	1 3/8	488	←		
CIRCLING	1300	1	461	1380	1	541	1440	1 3/4	601	1720	3	881			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 38C (100F). @ CAT D 900-3 CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NEFDE ON V137 SOUTHEAST BOUND. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 839 TDZE: 812		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
PASO ROBLES, CA		AIRPORT NAME: PASO ROBLES MUNI				RNAV (GPS) RWY 19, AMDT 1A				AMDT: 4					
						15 SEPTEMBER 2016				DATED 01/13/2011					

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

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
JERBU (FAF)	YIRUK/3.10 NM TO RW19 (FB)	193.68 / 2.74	
YIRUK/3.10 NM TO RW19	RW19 (MAP) (FO)	193.68 / 3.10	
RW19 (MAP)	1800 MSL	193.68	1800
1800 MSL	NEFDE (FO)		6500

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PRB VORTAC AIRWAY RADIALS 306 CW 077.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.

CITY AND STATE

PASO ROBLES, CA

ELEVATION: 839

TDZE: 812

AIRPORT NAME:

PASO ROBLES MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 19, AMDT 1A

15 SEPTEMBER 2016

SUP:

AMDT:

DATED:

 QUALITY
22
CHECKED

1

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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KPRB
RUNWAY	RW19
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W19A
LTP/FTP LATITUDE	354050.1320N
LTP/FTP LONGITUDE	1203733.1655W
LTP/FTP ELLIPSOIDAL HEIGHT	+02107
FPAP LATITUDE	353931.8200N
FPAP LONGITUDE	1203825.5900W
THRESHOLD CROSSING HEIGHT (TCH)	00037.0
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>	 0431373E

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+02449
FPAP ORTHOMETRIC HEIGHT	+02449

CITY AND STATE

PASO ROBLES, CA

ELEVATION: 839

TDZE: 812

AIRPORT NAME:

PASO ROBLES MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 19, AMDT 1A

15 SEPTEMBER 2016

SUP:

AMDT:

DATED:

 QUALITY
22
CHECKED

1

01/13/2011

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 - KPRB														
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
FIKDU	010	FIKDU	IF	FB										E A
FIKDU	020	MEETL	TF	FB	1.0	097.3						AA 04400		E
FIKDU	030	HOVLI	TF	FB	1.0	142.3						AA 04400		EE B
NEFDE	010	NEFDE	IF	FB										E A
NEFDE	020	ZUGPO	TF	FB	1.0	247.6						AA 05500		E
NEFDE	030	HOVLI	TF	FB	1.0	238.2						AA 04400		EE B
PRB	010	PRB	IF	FB										V
PRB	020	HOVLI	TF	FO	1.0	012.8						AA 04700		EY
PRB	030	HOVLI	HF	FO		133.0			R			AA 04400		EE A
	010	HOVLI	IF	FB								AA 04400		E I
	011	WUGOP	TF	FB	1.0	193.7						AA 03400		E
	020	JERBU	TF	FB	1.0	193.7				RW19		AA 02700		E F
	021	YIRUK	TF	FB	0.3	193.7		3.00				AA 01820 GS 01828		E S
	030	RW19	TF	FO	0.3	193.7		3.00				AT 00840		GY M
	040		CA	FB		193.7						AA 01800		M
	050	NEFDE	DF	FO					L			AA 06500		EY
	060	NEFDE	HM	FO		116.7			R			AA 06500		EE
POINTS														
POINT NAME	LATITUDE	LONGITUDE												
PRB	N354020.87	W1203737.59												
FIKDU	N360117.83	W1204600.44												
NEFDE	N355326.10	W1201856.71												
HOVLI	N355116.91	W1203032.40												
JERBU	N354557.85	W1203406.85												
MEETL	N355707.40	W1203332.50												
WUGOP	N354802.44	W1203243.18												
YIRUK	N354333.59	W1203543.64												
ZUGPO	N355253.94	W1202359.72												
RUNWAYS														
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH										
RW19	N354050.13	W1203733.17	00803	37										

QUALITY
22
CHECKED

CITY AND STATE PASO ROBLES, CA	ELEVATION: 839	TDZE: 812	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: PASO ROBLES MUNI		RNAV	RNAV (GPS) RWY 19, AMDT 1A	AMDT: 1
				15 SEPTEMBER 2016	DATED: 01/13/2011

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: I-SJC 1.43 DME FIX												
GILRO INT (IAF)				KLIDE/I-SJC 16.71 DME				261.00 / .85 (HDG) & 305.82 / 9.28 (I-SJC)				4000		CLIMB TO 1900 ON SJC VOR/DME R-303 TO SUNNE INT/SJC 5.01 DME AND HOLD, OR AS DIRECTED BY ATC. <u>ALTERNATE MA (DO NOT CHART):</u> CLIMB TO 3000 DIRECT OAK VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 123.47 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW OAK VOR/DME, RT, 120.00 INBOUND. CHART FAS OBST: 373 BLDG 371938N/1215321W CHART VDP AT 3.04 DME* DISTANCE VDP TO THLD 1.60 NM. *LOC ONLY. CHART (CFBJK) AT INTERSECTION OF GILRO DR LEG AND INTERMEDIATE COURSE. CHART IN PLANVIEW: OAK VOR/DME. CHART AT/ABOVE 4000 AT KLIDE.												
KLIDE/I-SJC 16.71 DME (IAF)				ZULUP/I-SJC 13.41 DME				305.82 / 3.30 (I-SJC)				3600														
ZULUP/I-SJC 13.41 DME (IF)				JENES/I-SJC 11.60 DME				305.82 / 1.81 (I-SJC)				3200														
JENES/I-SJC 11.60 DME				HIVAK/I-SJC 9.56 DME				305.82 / 2.04 (I-SJC)				2700														
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 16-19.																										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																										
2. PROFILE STARTS AT KLIDE/I-SJC 16.71 DME																										
3. FAC: 305.82 FAF: HIVAK/I-SJC 9.56 DME DIST FAF TO MAP: _____ THLD: 8.13																										
4. MIN. ALT: KLIDE 4000, ZULUP 3600, JENES 3200, HIVAK 2700, FORUL/I-SJC 4.23 DME 1000*																										
5. DIST TO THLD FROM OM: _____ - MM: _____ - IM: _____ 150 HAT: 1826 100 HAT: 872 GS ANT: 1109																										
6. MIN GS INCPT: 2700 GS ALT AT: HIVAK 2700 OM: _____ - MM: _____ - IM: _____																										
7. GS ANGLE: 3.00 TCH: 54.4																										
8. MSA FROM: SJC VOR/DME 5600																										
MAG VAR: 13E EPOCH YEAR: 2020																										
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 30L**	257	2400	200	257	2400	200	257	2400	200	257	2400	200														
S-LOC 30L	640	2400	583	640	2400	583	640	1 1/4	583	640	1 1/4	583														
SIDESTEP 30R ←	640	1	585	640	1	585	640	1 1/2	585	640	2	585														
NOTES: SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 30L: CAT A, B, C, D, RA 147, RVR 1400, HAT 150, DA 207 MSL. # NA WHEN CONTROL TOWER CLOSED. SA CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 30L: CAT A, B, C, D, RA 97, RVR 1200, HAT 100, DA 157 MSL. (CONTINUED ON PAGE 2)																										
CITY AND STATE SAN JOSE, CA				ELEVATION: 62 AIRPORT NAME: NORMAN Y MINETA SAN JOSE INTL			TDZE: 30L 57 TDZE: 30R 55			FACILITY IDENTIFIER: I-SJC			PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 30L, AMDT 25A; ILS RWY 30L (SA CAT I), ILS RWY 30L (SA CAT II) 15 SEPTEMBER 2016				SUP: 4 AMDT: 25 DATED 07/21/2016									

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.): CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART NOTE: DME REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART SPEED ICON IN PLANVIEW AT KLIDE: AT 230 KIAS. SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH. SA CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF AUTOLAND OR HUD TO TOUCHDOWN. SA CAT I/II CHART NOTE: NOT AUTHORIZED WHEN TOWER CLOSED.						
CITY AND STATE		ELEVATION: 62	TDZE: 30L 57	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
SAN JOSE, CA		AIRPORT NAME:	TDZE: 30R 55	I-SJC	ILS OR LOC RWY 30L, AMDT 25A; ILS RWY 30L (SA CAT I) , ILS RWY 30L (SA CAT II)	AMDT:
		NORMAN Y MINETA SAN JOSE INTL			15 SEPTEMBER 2016	DATED:
						07/21/2016

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		LNAV: RW21												
RADIO (IAF)				TUNEE (FB)				143.04 / 10.26				7500		CLIMB TO 6200 THEN CLIMBING RIGHT TURN TO 10000 DIRECT JOGEL AND ON TRACK 346.05 TO RADIO AND HOLD.												
TUNEE				GOERS (FB)				143.10 / 10.26				7400														
BLOOM (IAF)				GOERS (FB)				186.60 / 25.80				7400														
GOERS (IF)				PREYS (FB)				215.00 / 5.00				7400														
PREYS (FAF)				GAUGE/2.40 NM TO RW21 (FB)				214.95 / 2.70																		
GAUGE/2.40 NM TO RW21				RW21 (MAP) (FO)				214.95 / 2.40						ADDITIONAL FLIGHT DATA: HOLD N, RT, 166.03 INBOUND. FAS OBST: 5754 TREE 371559N/1041955W CHART VDP AT 0.75 NM TO RW21. CHART CIRCLING ICON. PREYS TO RW21: 3.00/40												
(SEE FORM 8260-10)																										
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 16-19.																										
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																										
2. PROFILE STARTS AT GOERS																										
3. FAC: 214.95 FAF: PREYS DIST FAF TO MAP: 5.10 THLD: 5.10																										
4. MIN. ALT: GOERS 7400, PREYS 7400, GAUGE/2.40 NM TO RW21 6540																										
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: RW21 13400														MAG VAR: 10E				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	6020	1	263	6020	1	263	6020	1	263	6020	1	263														
CIRCLING	6180	1	418	6300	1	538	6340	1 1/2	578	6580	2 3/4	818														
NOTES: CHART NOTE: CIRCLING NA TO RWYS 9 AND 27. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PUEBLO ALTIMETER SETTING AND INCREASE ALL MDA 300 FT: INCREASE LNAV CAT C/D VISIBILITY 5/8 SM, CIRCLING CAT B/D VISIBILITY 1/4 SM AND (CONTINUED ON PAGE 2)																										
CITY AND STATE TRINIDAD, CO				ELEVATION: 5762 TDZE: 5757 AIRPORT NAME: PERRY STOKES				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG 15 SEPTEMBER 2016						SUP: AMDT: DATED:										
QUALITY 4 NONE 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
RW21 (MAP)	6200 MSL	214.95	6200
6200 MSL	JOGEL (FB)		
JOGEL	RADIO (FO)	346.05 / 13.04	10000

NOTES, (CONT.):
CIRCLING CAT C VISIBILITY 1 SM.

CHART NOTE: VDP NA WHEN USING PUEBLO ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT BLOOM ON V210 NORTHEAST BOUND AND ON V81 NORTH BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT RADIO ON V389 NORTH BOUND AND ON V210 WEST BOUND.

CITY AND STATE
TRINIDAD, CO

ELEVATION: 5762 TDZE: 5757
AIRPORT NAME:
PERRY STOKES

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 21, ORIG
15 SEPTEMBER 2016

SUP: ^{QUALITY} 4
AMDT: ^{CHECKED} NONE
DATED:

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 - KTAD ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>BLOOM</td><td>010</td><td>BLOOM</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>BLOOM</td><td>020</td><td>GOERS</td><td>TF</td><td>FB</td><td>1.0</td><td>186.6</td><td></td><td></td><td></td><td></td><td></td><td>AA 07400</td><td></td><td>EE B</td></tr> <tr><td>RADIO</td><td>010</td><td>RADIO</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>RADIO</td><td>011</td><td>TUNEE</td><td>TF</td><td>FB</td><td>1.0</td><td>143.0</td><td></td><td></td><td></td><td></td><td></td><td>AA 07500</td><td></td><td>E</td></tr> <tr><td>RADIO</td><td>020</td><td>GOERS</td><td>TF</td><td>FB</td><td>1.0</td><td>143.1</td><td></td><td></td><td></td><td></td><td></td><td>AA 07400</td><td></td><td>EE B</td></tr> <tr><td></td><td>010</td><td>GOERS</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 07400</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>PREYS</td><td>TF</td><td>FB</td><td>1.0</td><td>215.0</td><td></td><td></td><td></td><td>RW21</td><td></td><td>AA 07400</td><td></td><td>E F</td></tr> <tr><td></td><td>021</td><td>GAUGE</td><td>TF</td><td>FB</td><td>0.3</td><td>215.0</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AA 06540 GS 06544</td><td></td><td>E S</td></tr> <tr><td></td><td>030</td><td>RW21</td><td>TF</td><td>FO</td><td>0.3</td><td>215.0</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 05780</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>215.0</td><td></td><td></td><td></td><td></td><td></td><td>AA 06200</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>JOGEI</td><td>DF</td><td>FB</td><td></td><td></td><td></td><td></td><td>R</td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td></td><td>060</td><td>RADIO</td><td>TF</td><td>FO</td><td>1.0</td><td>346.1</td><td></td><td></td><td></td><td></td><td></td><td>AA 10000</td><td></td><td>EY</td></tr> <tr><td></td><td>070</td><td>RADIO</td><td>HM</td><td>FO</td><td></td><td>166.0</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 10000</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; 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CITY AND STATE TRINIDAD, CO		ELEVATION: 5762 TDZE: 5757 AIRPORT NAME: PERRY STOKES		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 21, ORIG 15 SEPTEMBER 2016		SUP: QUALITY AMDT: 4 NONE DATED: 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: 5.89 NM AFTER PUTNY LOM									
PZD VOR/DME			PUTNY LOM			177.83 / 11.95			2200			CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2000 DIRECT PZD VOR/DME AND HOLD; OR WHEN DIRECTED BY ATC, CLIMB TO 1000 THEN CLIMBING LEFT TURN TO 2200 DIRECT PUTNY LOM AND HOLD SW, RT, 044.00 INBOUND.									
SHANY INT			PUTNY LOM			142.26 / 23.01			2200												
SALER INT			PUTNY LOM			317.39 / 9.34			2200												
FLINN/PZD 25.26 DME			PUTNY LOM			045.47 / 15.61			2200												
ELMOE INT			PUTNY LOM			014.57 / 10.47			2200												
AYUVO/PZD 17.00 DME CCW (IAF)			HAVEX INT/PZD 17.00 DME (NOPT)			17.00 DME ARC (PZD LR-201)			2200			ADDITIONAL FLIGHT DATA: HOLD NW, RT, 145.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW PUTNY LOM, RT, 044.00 INBOUND. CHART FAS OBST: 319 TREE 313053N/0841255W CHART PZD R-295 AT AYUVO. ← CHART IN PLANVIEW: AB LOM. CHART 635 TOWER 313441N/0841106W.									
HAVEX INT/PZD 17.00 DME (IF)			PUTNY LOM			044.11 / 6.40			2200												
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 16-19.																					
1. PT <u>R</u> SIDE OF COURSE <u>224.00</u> OUTBOUND <u>2200</u> FT WITHIN <u>10</u> MILES OF <u>PUTNY LOM</u> (IAF)																					
2.																					
3. FAC: <u>044.11</u> FAF: <u>PUTNY LOM</u> DIST FAF TO MAP: <u>5.89</u> THLD: <u>5.89</u>																					
4. MIN. ALT: <u>PUTNY LOM 2200</u>																					
5. DIST TO THLD FROM OM: <u>5.89</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1151</u>																					
6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>-</u> OM: <u>2162</u> MM: <u>-</u> IM: <u>-</u>																					
7. GS ANGLE: <u>3.00</u> TCH: <u>59.6</u>																					
8. MSA FROM: <u>AB LOM 2600</u>												MAG VAR: <u>2W</u>			EPOCH YEAR: <u>1985</u>						
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							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 04	*396	2400	200	*396	2400	200	*396	2400	200	*396	2400	200									
S-LOC 04	580	2400	384	580	2400	384	580	2400	384	580	4000	384									
CIRCLING	640	1	444	660	1	464	660	1 1/2	464	940	2 1/2	744									
NOTES: CHART PLANVIEW NOTE: ADF OR DME REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.																					
# CAT D 800-2 1/2 @ CAT D 800-2 1/2																					
CITY AND STATE ALBANY, GA		ELEVATION: 196 AIRPORT NAME: SOUTHWEST GEORGIA RGNL			TDZE: 196			FACILITY IDENTIFIER: I-ABY		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 4, AMDT 11A 15 SEPTEMBER 2016				SUP: AMDT: 11 DATED 08/27/2009							

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.25

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TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 3.94 NM AFTER ODOMS INT					
PUTNY LOM		ODOMS INT		043.88 / 11.57				2000		CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 2000 DIRECT PZD VOR/DME AND HOLD.					
XOCOT/PZD 13.00 DME CW (IAF)		UNOJO/PZD 13.00 DME (NOPT)		13.00 DME ARC (PZD LR-076)				2000							
UNOJO/PZD 13.00 DME (IF)		ODOMS INT		224.11 / 6.44 (I-ABY)				1800							
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 16-19.										ADDITIONAL FLIGHT DATA:					
										HOLD NW, RT, 145.00 INBOUND. CHART FAS OBST: 286 TREE 313337N/0841024W CHART PZD R-295 AT XOCOT. CHART: 413 COMM TWR 313440N/0840934W JAMBS TO RW22: 3.19/52					
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)										MAG VAR: 2W EPOCH YEAR:1985					
2. HOLD NE ODOMS, LT, 224.11 INBOUND, 1800 FT. IN LIEU OF PT (IAF)															
3. FAC 224.11 FAF ODOMS INT DIST FAF TO MAP 3.94 THLD 4.60															
4. MIN. ALT ODOMS 1800, JAMBS INT 900															
8. MSA FROM: PZD VOR/DME 270-180 2600, 180-270 1800															
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-22	580	1	388	580	1	388	580	1	388	580	1 1/4	388			
CIRCLING	640	1	444	660	1	464	660	1 1/2	464	940	2 1/2	744			
NOTES:															
CHART PLANVIEW NOTE: ADF OR DME REQUIRED. @ CAT D 800-2 1/2															
CHART PROFILE NOTE: DISREGARD GS INDICATIONS.															
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.															
CITY AND STATE		ELEVATION: 196 TDZE: 192		FACILITY IDENTIFIER:		PROCEDURE NO./AMDТ NO./EFFECTIVE DATE:				SUP					
ALBANY, GA		AIRPORT NAME:		I-ABY		LOC BC RWY 22, AMDT 8A				AMDT 8					
		SOUTHWEST GEORGIA RGNL				15 SEPTEMBER 2016				DATE 08/27/2009					

FAA FORM 8260-5 / April 2006 (computer generated)

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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		LNAV: LUANA							
VELLA (IAF)		POKAI (FB)		241.94 / 8.07			5000		CLIMB TO 5000 DIRECT JASON AND HOLD.							
POKAI (IF)		KIAWE (FB)		235.48 / 6.00			4300									
KIAWE (FAF)		LUANA (MAP) (FO)		235.44 / 4.50			5000									
LUANA (MAP)		3071 MSL		235.44												
3071 MSL		JASON (FO)							ADDITIONAL FLIGHT DATA: HOLD SW, LT, 053.68 INBOUND. CHART FAS OBST: 3445 TREE 202051N/1553800W KIAWE TO RW22: 3.00/45. CHART PLANVIEW NOTE: FINAL COURSE OFFSET 14.44 DEGREES FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.							
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 16-17.																
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. PROFILE STARTS AT POKAI																
3. FAC: 235.44 FAF: KIAWE DIST FAF TO MAP: 4.50 THLD: 4.98																
4. MIN. ALT: POKAI 5000, KIAWE 4300																
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: LUANA 15000																
MAG VAR: 11E EPOCH YEAR: 1985																
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	3660	1 1/4	989	3660	1 1/2	989	3660	3	989	3660	3	989				
CIRCLING	3660	1 1/4	989	3660	1 1/2	989	3660	3	989	3880	3	1209				
NOTES: CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT VELLA ON V3 NORTHEASTBOUND AND V22 SOUTHEASTBOUND CHART NOTE: CIRCLING NA NW OF RWY 4-22 (CONTINUED ON PAGE 2)																
CITY AND STATE KAMUELA, HI		ELEVATION: 2671 TDZE: 2671 AIRPORT NAME: WAIMEA-KOHALA				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG-B 15 SEPTEMBER 2016				SUP: AMDT: ORIG-A DATED 11/25/2004				

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: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA
CHART NOTE: DME/DME RNP 0.3 NA

CITY AND STATE KAMUELA, HI	ELEVATION: 2671 AIRPORT NAME: WAIMEA-KOHALA	TDZE: 2671	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG-B 15 SEPTEMBER 2016	SUP: QUALITY 4 CHECKED
					AMDT: ORIG-A
					DATED: 11/25/2004

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 - PHMU

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
VELLA	010	VELLA	IF	FB										E A
VELLA	020	POKAI	TF	FB	1.0	241.9						AA 05000		EE B
	010	POKAI	IF	FB								AA 05000		E I
	020	KIAWE	TF	FB	1.0	235.5				LUANA		AA 04300		E F
	030	LUANA	TF	FO	0.3	235.4		3.00				AT 02873		EY M
	040		CA	FB		235.4						AA 03071		M
	050	JASON	DF	FO								AA 05000		EY
	060	JASON	HM	FO		053.7			L			AA 05000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
JASON	N195430.75	W1555213.00
VELLA	N200714.35	W1552053.98
KIAWE	N200227.32	W1553456.09
LUANA	N200038.94	W1553918.93
POKAI	N200451.64	W1552905.52

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW22	N200020.63	W1553943.72	02671	45

QUALITY
4
CHECKED

CITY AND STATE KAMUELA, HI	ELEVATION: 2671 TDZE: 2671	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 22, ORIG B 15 SEPTEMBER 2016	SUP:
	AIRPORT NAME: WAIMEA-KOHALA			AMDT: ORIG-A
				DATED: 11/25/2004

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR/DME 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: OMAGE/0.29 DME FIX								
SNY VOR/DME			UTUCA/10.00 DME			022.00 / 10.00			6100		CLIMB TO 6100 THEN RIGHT TURN DIRECT SNY VOR/DME AND HOLD.								
SNY VOR/DME			JEAPE/3.00 DME			112.73 / 3.00			5900										
UTUCA/10.00 DME CW (IAF)			CODRO/10.00 DME (NOPT) ←			10.00 DME ARC			6100										
WUBNO/10.00 DME CW (IAF)			CODRO/10.00 DME (NOPT) ←			10.00 DME ARC			6100										
CODRO/10.00 DME (IF)			JEAPE/3.00 DME			292.73 / 7.00 (SNY R-113)			5300										
THIS IS A CORRECTED COPY OF THE PROCEDURE PREVIOUSLY PUBLISHED IN TL 16-18.										ADDITIONAL FLIGHT DATA:									
										HOLD SE, RT, 292.73 INBOUND.									
										CHART FAS OBST: 4380 TOWER 410457N/1025827W									
										CHART VDP AT 1.39 DME									
										DISTANCE VDP TO THLD 1.11 NM.									
										CHART SNY R-022 AT UTUCA.									
										CHART SNY R-202 AT WUBNO.									
										JEAPE TO RW31: 3.38/47.									
										FAC CROSSES RWY C/L EXTENDED 3004 FT FROM THLD.									
1. PT <u>L</u> SIDE OF COURSE <u>112.73</u> OUTBOUND <u>5900</u> FT WITHIN <u>10</u> MILES OF <u>JEAPE</u> (IAF)										MAG VAR: 13E EPOCH YEAR:1965									
2.																			
3. FAC <u>292.73</u> FAF <u>JEAPE/3.00 DME</u> DIST FAF TO MAP <u> </u> THLD <u>2.71</u>																			
4. MIN. ALT <u>JEAPE 5300</u>																			
8. MSA FROM: <u>SNY VOR/DME 6300</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-31	4680	1	390	4680	1	390	4680	1	390	4680	1 1/4	390							
CIRCLING	4760	1	447	4780	1	467	4780	1 1/2	467	4880	2	567							
NOTES:																			
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). @ NA WHEN LOCAL WEATHER NOT AVAILABLE.																			
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KIMBALL ALTIMETER SETTING AND INCREASE ALL MDA 160 FEET AND INCREASE S-31 CAT C AND D VISIBILITY 1/2 MILE.																			
CHART NOTE: VDP NA WHEN USING KIMBALL ALTIMETER SETTING.																			
CITY AND STATE		ELEVATION: 4313		TDZE: 4290		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP							
SIDNEY, NE		AIRPORT NAME:				SNY		VOR/DME RWY 31, AMDT 5B				AMDT 5A							
		SIDNEY MUNI/LLOYD W CARR FIELD						15 SEPTEMBER 2016				DATE 06/27/2013							

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: 5.56 NM AFTER HINTO OM/RADAR												
LRP VOR/DME (IAF)				MTJOY INT/RADAR				269.21 / 9.85				3000		CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 VIA HEADING 090 AND RAV VORTAC R-193 TO BAARN INT/LRP 17.95 DME AND HOLD, OR AS DIRECTED BY ATC.												
MTJOY INT/RADAR (IF)				HINTO OM/RADAR				307.79 / 7.22 (I-HQA)				2200														
THIS IS A CORRECTED COPY OF A PROCEDURE ORIGINALLY PUBLISHED IN TL 16-17.														ALTERNATE MA (DO NOT CHART): CLIMB TO 2800 DIRECT ENOLA LOM AND HOLD (ADF REQUIRED).												
														ADDITIONAL FLIGHT DATA:												
														HOLD SE, RT, 314.06 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW ENOLA LOM, RT, 127.77 INBOUND. CHART FAS OBST: 662 TREES 400912N/0763912W CHART 796 TREES 400827N/0763842W. CHART CAPITAL CITY AIRPORT. CHART IN PLANVIEW: ENOLA LOM.												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 11W EPOCH YEAR: 2005												
2. PROFILE STARTS AT MTJOY																										
3. FAC: 307.79 FAF: HINTO OM/RADAR DIST FAF TO MAP: 5.56 THLD: 5.56																										
4. MIN. ALT: MTJOY 3000, HINTO OM 2200																										
5. DIST TO THLD FROM OM: 5.56 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1006																										
6. MIN GS INCPT: 2200 GS ALT AT: - OM: 2158 MM: - IM: -																										
7. GS ANGLE: 3.00 TCH: 51.0																										
8. MSA FROM: ENOLA LOM 3200																										
MINIMUMS																										
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			ILS: #			LOC: STANDARD													
CATEGORY =====>		A			B			C			D			E												
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA											
S-ILS 31	558	5000	250	558	5000	250	558	5000	250	558	5000	250														
S-LOC 31	920	5000	612	920	5000	612	920	1 3/4	612	920	2	612														
CIRCLING	920	1	610	920	1	610	920	1 3/4	610	980	2	670														
NOTES: CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1325. CIRCLING NOT AUTHORIZED SOUTH OF RWY 13-31																										
# CAT A, B, C, D 700-2																										
CITY AND STATE HARRISBURG, PA		ELEVATION: 310 TDZE: 308 AIRPORT NAME: HARRISBURG INTL			FACILITY IDENTIFIER: HQA		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 31, AMDT 1C 15 SEPTEMBER 2016					SUP: 4 AMDT: 1B DATED 03/06/2014														

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: 5.30 NM AFTER PGODA INT/I-VXO 6.36 DME OR AT I-VXO 1.06 DME FIX									
ETX VOR/DME			OUTLT INT/I-VXO 12.73 DME			265.27 / 24.13			4000			CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3200 ON HEADING 280 AND LRP VOR/DME R-020 TO OUTLT INT/I-VXO 12.73 DME AND HOLD; OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 900 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 280 AND ETX VOR/DME R-234 TO BOYER INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE BOYER INT, RT, 327.51 INBOUND. CHART FAS OBST: 715 TREE 402415N/0760048W CHART 819 TREE 402646N/0760441W CHART VDP AT 2.90 DME* DISTANCE VDP TO THLD 1.84 NM. *LOC ONLY. CHART IN PLANVIEW: BOYER INT.									
LRP VOR/DME			OUTLT INT/I-VXO 12.73 DME			020.29 / 22.28			3600												
OUTLT INT/I-VXO 12.73 DME (IF/IAF)			BRAGG INT/I-VXO 9.10 DME			133.26 / 3.63 (I-VXO)			2900												
BRAGG INT/I-VXO 9.10 DME			PGODA INT/I-VXO 6.36 DME			133.26 / 2.74 (I-VXO)			2100												
THIS IS A CORRECTED COPY OF A PROCEDURE PUBLISHED IN TL 16-18.																					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)													MAG VAR: 12W EPOCH YEAR: 2000								
2. HOLD NW OUTLT, RT, 133.26 INBOUND, 3200 FT. IN LIEU OF PT (IAF)																					
3. FAC: 133.26 FAF: PGODA INT/I-VXO 6.36 DME DIST FAF TO MAP: 5.30 THLD: 5.30																					
4. MIN. ALT: OUTLT 3200, BRAGG 2900, PGODA 2100																					
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1100																					
6. MIN GS INCPT: 2100 GS ALT AT: PGODA 2100 OM: _____ MM: _____ IM: _____																					
7. GS ANGLE: 3.00 TCH: 44.7																					
8. MSA FROM: ETX VOR/DME 070-290 3000, 290-070 3600																					
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A			ILS: #			LOC: STANDARD @								
CATEGORY =====>		A			B			C			D			E							
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA						
S-ILS 13	544	3/4	200	544	3/4	200	594	3/4	250	594	3/4	250									
S-LOC 13	980	1	636	980	1	636	980	1 3/4	636	980	2	636									
CIRCLING	1020	1	676	1020	1	676	1020	1 3/4	676	1140	2 1/2	796									
NOTES: CHART NOTE: NIGHT LANDING: RWY 18, 31 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT OUTLT ON V-276 SOUTHEAST BOUND. CHART NOTE: VDP NA WHEN USING HARRISBURG INTL ALTIMETER SETTING. (CONTINUED ON PAGE 2)																					
CITY AND STATE READING, PA			ELEVATION: 344 TDZE: 344 AIRPORT NAME: READING RGNL/CARL A SPAATZ FIELD				FACILITY IDENTIFIER: I-VXO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, AMDT 1C 15 SEPTEMBER 2016					SUP: AMDT: 1B DATED 04/03/2014							

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.			
ILS - STANDARD						
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29						
NOTES, (CONT.): CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HARRISBURG INTL ALTIMETER SETTING AND INCREASE S-ILS 13 CATS A AND B DA TO 637 FEET AND VISIBILITY 1/4 MILE, CATS C AND D DA TO 687 FEET AND VISIBILITY 1/2 MILE, AND INCREASE ALL MDA 100 FEET AND S-LOC 13 CATS C AND D VISIBILITY 1/4 MILE, CIRCLING CATS B AND C VISIBILITY 1/4 MILE, AND CAT D VISIBILITY 1/2 MILE.						
CITY AND STATE READING, PA	ELEVATION: 344	TDZE: 344	FACILITY IDENTIFIER: I-VXO	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, AMDT 1C 15 SEPTEMBER 2016	SUP:	QUALITY 24 CHECKED
	AIRPORT NAME: READING RGNI/CARL A SPAATZ FIELD			AMDT: 1B		
				DATED: 04/03/2014		

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31091](#); Amdt. No. [3709](#)]

**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 [AUGUST 12, 2016](#)

A handwritten signature in black ink, appearing to read "John S. Duncan", with a stylized flourish at the end.

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 15 SEPTEMBER 2016

Clanton, AL, Chilton County, NDB OR GPS RWY 26, Orig-A, CANCELED
 Clanton, AL, Chilton County, RNAV (GPS) RWY 8, Orig
 Clanton, AL, Chilton County, RNAV (GPS) RWY 26, Orig
 Clanton, AL, Chilton County, Takeoff Minimums and Obstacle DP, Amdt 1
 Palm Springs, CA, Bermuda Dunes, BERMUDA DUNES ONE Graphic DP
 San Diego/El Cajon, CA, Gillespie Field, LOC-D, Amdt 11C
 Torrance, CA, Zamperini Field, ILS OR LOC RWY 29R, Amdt 3
 Torrance, CA, Zamperini Field, RNAV (GPS) RWY 11L, Amdt 1
 Torrance, CA, Zamperini Field, RNAV (GPS) RWY 29R, Amdt 1
 Torrance, CA, Zamperini Field, VOR RWY 11L, Amdt 16
 Van Nuys, CA, Van Nuys, ILS Z RWY 16R, Amdt 1
 Miami, FL, Miami Intl, ILS OR LOC RWY 9, Amdt 10
 St Petersburg-Clearwater, FL, St Pete-Clearwater Intl, ILS OR LOC RWY 18, ILS RWY 18 (SA CAT I), ILS RWY 18 (CAT II), Orig
 Albany, GA, Southwest Georgia Rgnl, RNAV (GPS) RWY 4, Amdt 1A
 Albany, GA, Southwest Georgia Rgnl, RNAV (GPS) RWY 16, Amdt 1A
 Albany, GA, Southwest Georgia Rgnl, RNAV (GPS) RWY 22, Amdt 1A
 Albany, GA, Southwest Georgia Rgnl, RNAV (GPS) RWY 34, Amdt 2A
 Lawrenceville, GA, Gwinnett County - Briscoe Field, RNAV (GPS) RWY 25, Orig-D
 Thomson, GA, Thomson-McDuffie County, Takeoff Minimums and Obstacle DP, Amdt 2
 Chicago, IL, Chicago O'Hare Intl, ILS OR LOC RWY 14L, ILS RWY 14L (CAT II & III), Amdt 29D, CANCELED
 Chicago, IL, Chicago O'Hare Intl, ILS OR LOC RWY 15, Amdt 30D
 Chicago, IL, Chicago O'Hare Intl, ILS OR LOC RWY 32R, Amdt 21E, CANCELED
 Chicago, IL, Chicago O'Hare Intl, RNAV (GPS) RWY 14L, Amdt 1F, CANCELED
 Chicago, IL, Chicago O'Hare Intl, RNAV (GPS) RWY 15, Amdt 2D
 Chicago, IL, Chicago O'Hare Intl, RNAV (GPS) RWY 32R, Amdt 1B, CANCELED
 Chicago, IL, Chicago O'Hare Intl, Takeoff Minimums and Obstacle DP, Amdt 20A
 Nantucket, MA, Nantucket Memorial, ILS OR LOC RWY 6, Amdt 2
 Nantucket, MA, Nantucket Memorial, ILS OR LOC RWY 24, Amdt 16
 Nantucket, MA, Nantucket Memorial, RNAV (GPS) RWY 6, Amdt 1
 Nantucket, MA, Nantucket Memorial, RNAV (GPS) RWY 24, Amdt 1
 Battle Creek, MI, W K Kellogg, ILS OR LOC RWY 23R, Amdt 19
 Battle Creek, MI, W K Kellogg, NDB RWY 23R, Amdt 19
 Raymond, MS, John Bell Williams, ILS OR LOC RWY 12, Amdt 1C
 Raymond, MS, John Bell Williams, NDB RWY 12, Amdt 3B, CANCELED
 Aurora, NE, Aurora Muni - Al Potter Field, VOR-A, Amdt 6B
 Chappell, NE, Billy G Ray Field, NDB OR GPS RWY 30, Amdt 2B
 Sidney, NE, Sidney Muni/Lloyd W Carr Field, RNAV (GPS) RWY 13, Amdt 2A
 Sidney, NE, Sidney Muni/Lloyd W Carr Field, RNAV (GPS) RWY 31, Amdt 2A
 York, NE, York Muni, NDB RWY 17, Amdt 6A
 York, NE, York Muni, NDB RWY 35, Amdt 4B

Newark, NJ, Newark Liberty Intl, RNAV (GPS) Z RWY 22L, Amdt 2
 Newark, NJ, Newark Liberty Intl, RNAV (RNP) Y RWY 22L, Amdt 1
 Albuquerque, NM, Double Eagle II, ILS OR LOC RWY 22, Amdt 3
 Albuquerque, NM, Double Eagle II, RNAV (GPS) RWY 4, Orig
 Albuquerque, NM, Double Eagle II, RNAV (GPS) RWY 22, Amdt 1
 Newport, OR, Newport Muni, VOR RWY 34, Amdt 2
 Harrisburg, PA, Harrisburg Intl, VOR RWY 31, Amdt 2B
 Highmore, SD, Highmore Muni, RNAV (GPS) RWY 13, Orig
 Highmore, SD, Highmore Muni, RNAV (GPS) RWY 31, Orig
 Highmore, SD, Highmore Muni, Takeoff Minimums and Obstacle DP, Orig
 Brownsville, TX, Brownsville/South Padre Island Intl, ILS OR LOC RWY 13, Orig
 Brownsville, TX, Brownsville/South Padre Island Intl, ILS OR LOC RWY 13R, Amdt 1B, CANCELED
 Brownsville, TX, Brownsville/South Padre Island Intl, LOC BC RWY 31, Orig
 Brownsville, TX, Brownsville/South Padre Island Intl, LOC BC RWY 31L, Amdt 11E, CANCELED
 Brownsville, TX, Brownsville/South Padre Island Intl, RNAV (GPS) RWY 13, Orig
 Brownsville, TX, Brownsville/South Padre Island Intl, RNAV (GPS) RWY 13R, Amdt 2A, CANCELED
 Brownsville, TX, Brownsville/South Padre Island Intl, RNAV (GPS) RWY 17, Orig-A, CANCELED
 Brownsville, TX, Brownsville/South Padre Island Intl, RNAV (GPS) RWY 18, Orig
 Brownsville, TX, Brownsville/South Padre Island Intl, VOR/DME RNAV OR GPS RWY 35, Amdt 3A, CANCELED
 Haskell, TX, Haskell Muni, NDB OR GPS RWY 18, Amdt 2B, CANCELED
 Haskell, TX, Haskell Muni, RNAV (GPS)-A, ORIG
 Houston, TX, Ellington, ILS OR LOC RWY 17R, Amdt 6B
 Houston, TX, George Bush Intercontinental/Houston, ILS OR LOC RWY 27, ILS RWY 27 (SA CAT I), ILS RWY 27 (CAT II), ILS RWY 27 (CAT III), Amdt 11
 Houston, TX, George Bush Intercontinental/Houston, RNAV (GPS) Z RWY 27, Amdt 5
 Houston, TX, George Bush Intercontinental/Houston, RNAV (RNP) Y RWY 27, Amdt 2
 Franklin, VA, Franklin Muni-John Beverly Rose, RNAV (GPS) RWY 9, Amdt 1B
 Franklin, VA, Franklin Muni-John Beverly Rose, RNAV (GPS) RWY 27, Amdt 1B
 Franklin, VA, Franklin Muni-John Beverly Rose, Takeoff Minimums and Obstacle DP, Amdt 2A
 Lawrenceville, VA, Lawrenceville/Brunswick Muni, RNAV (GPS) RWY 18, Orig-A, CANCELED
 Lawrenceville, VA, Lawrenceville/Brunswick Muni, RNAV (GPS) RWY 36, Orig-A, CANCELED
 Lawrenceville, VA, Lawrenceville/Brunswick Muni, RNAV (GPS)-A, Orig
 Lawrenceville, VA, Lawrenceville/Brunswick Muni, RNAV (GPS)-B, Orig
 West Point, VA, Middle Peninsula Rgnl, LOC RWY 10, Orig
 West Point, VA, Middle Peninsula Rgnl, RNAV (GPS) RWY 10, Amdt 1A
 West Point, VA, Middle Peninsula Rgnl, RNAV (GPS) RWY 28, Orig-D
 West Point, VA, Middle Peninsula Rgnl, VOR-A, Amdt 4A

RESCINDED: On August 4, 2016 (81 FR 51339), the FAA published an Amendment in Docket No. 31085, Amdt No. 3703 to Part 97 of the Federal Aviation Regulations. The following entry, effective September 15, 2016, is hereby rescinded in its entirety:

Arcata/Eureka, CA, Arcata, VOR/DME RWY 1, Amdt 8A, CANCELED
Bishop, CA, Bishop, VOR/DME OR GPS-B, Amdt 4B, CANCELED
Ruston, LA, Ruston Rgnl, NDB RWY 36, Orig-A, CANCELED
Corvallis, OR, Corvallis Muni, Takeoff Minimums and Obstacle DP, Amdt 6A
Morgantown, WV, Morgantown Muni-Walter L Bill Hart Fld, VOR-A, Amdt 13, CANCELED

RESCINDED: On August 4, 2016 (81 FR 51332), the FAA published an Amendment in Docket No. 31087, Amdt No. 3705 to Part 97 of the Federal Aviation Regulations. The following entry, effective September 15, 2016, is hereby rescinded in its entirety:

Kokomo, IN, Kokomo Muni, VOR RWY 23, Amdt 20, CANCELED
Sidney, MT, Sidney-Richland Muni, NDB RWY 1, Amdt 3, CANCELED

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: RW08 LNAV: RW08												
CABKI (IF/IAF)				IVIJI (FB)				082.22 / 8.27				2200		CLIMB TO 3300 DIRECT RIRIE AND HOLD.												
IVIJI (FAF)				WECIJ/2.10 NM TO RW08 (FB)				082.31 / 2.14				3300														
WECIJ/2.10 NM TO RW08				RW08 (MAP) (FO)				082.31 / 2.10																		
RW08 (MAP)				985 MSL				082.31																		
985 MSL				RIRIE (FO)										ADDITIONAL FLIGHT DATA: HOLD E, RT, 262.49 INBOUND. CHART FAS OBST: 737 TREE 325036N/0863815W CHART FAS OBST: 908 TOWER 325113N/0863905W WAAS CHANNEL # 86739 REFERENCE PATH ID: W08A CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. CHART CIRCLING ICON CHART SHELBY COUNTY ASOS-3 LTP HAE: 149.5 M												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																										
2. HOLD W CABKI, RT, 082.22 INBOUND, 3000 FT. IN LIEU OF PT (IAF)																										
3. FAC: 082.31 FAF: IVIJI DIST FAF TO MAP: 4.24 THLD: 4.24																										
4. MIN. ALT: CABKI 3000, IVIJI 2200, WECIJ/2.10 NM TO RW08 1400																										
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																										
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																										
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																										
8. MSA FROM: _____														MAG VAR: 4W			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											
LP MDA	1040	1	455	1040	1	455	1040	1 3/8	455	1040	1 3/8	455														
LNAV MDA	1220	1	635	1220	1	635	1220	1 3/4	635	1220	1 3/4	635														
CIRCLING	1260	1	675	1260	1	675	1280	2	695	1600	3	1015														
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: USE SHELBY COUNTY ALTIMETER SETTING; WHEN NOT RECEIVED, USE MERKEL FIELD SYLACAUGA MUNI ALTIMETER SETTING AND INCREASE ALL MDA 20 FT AND LNAV VISIBILITY CAT C/D 1/8 MILE. CHART NOTE: PROCEDURE NA AT NIGHT.																										
CITY AND STATE CLANTON, AL				ELEVATION: 585 TDZE: 585 AIRPORT NAME: CHILTON COUNTY				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG 15 SEPTEMBER 2016					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.

TAA

	FROM	TO	ALT
1.	352/30 CW 172/30 (NOPT)	CABKI (IF/IAF) (FB)	3000
2.	172/30 CW 352/30	CABKI (IF/IAF) (FO)	3700

CITY AND STATE
CLANTON, AL

ELEVATION: 585 TDZE: 585
AIRPORT NAME:
CHILTON COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 8, ORIG
15 SEPTEMBER 2016

SUP: 4
AMDT: NONE
DATED:

QUALITY
4
CHECKED

**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	02A
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	325057.7430N
LTP/FTP LONGITUDE	0863704.1540W
LTP/FTP ELLIPSOIDAL HEIGHT	+01495
FPAP LATITUDE	325115.7585N
FPAP LONGITUDE	0863520.5635W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

1D1CE6EA

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01782
FPAP ORTHOMETRIC HEIGHT	+01782

QUALITY
4
CHECKED

CITY AND STATE

CLANTON, AL

ELEVATION: 585

TDZE: 585

AIRPORT NAME:

CHILTON COUNTY

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 8, ORIG

15 SEPTEMBER 2016

SUP:

AMDT:

NONE

DATED:

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 - 02A

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
CABKI	010	CABKI	HF	FO		082.2			R			AA 03000		EE A
	010	CABKI	IF	FB								AA 03000		E I
	020	IVIJI	TF	FB	1.0	082.2						AA 02200		E F
	021	WECIJ	TF	FB	0.3	082.3						AA 01400		E S
	030	RW08	TF	FO	0.3	082.3		0.00				AT 01220		GY M
	040		CA	FB		082.3						AA 00985		M
	050	RIRIE	DF	FO								AA 03300		EY
	060	RIRIE	HM	FO		262.5			R			AA 03300		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CABKI	N324825.06	W0865136.21
IVIJI	N325006.19	W0864159.77
RIRIE	N325336.84	W0862143.88
WECIJ	N325032.23	W0863930.63

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW08	N325057.74	W0863704.15	00585	

CITY AND STATE CLANTON, AL	ELEVATION: 585 TDZE: 585 AIRPORT NAME: CHILTON COUNTY	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 8, ORIG 15 SEPTEMBER 2016	SUP: AMDT: NONE DATED:

QUALITY
4
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: RW26 LNAV: RW26 CLIMB TO 3000 DIRECT CABKI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 082.22 INBOUND. CHART FAS OBST: 784 TREE 325127N/0863454W FAS OBST: 809 TREE 325102N/0863348W WAAS CHANNEL # 48839 REFERENCE PATH ID: W26A CHART CIRCLING ICON. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. CHART SHELBY COUNTY ASOS-3 LTP HAE: 144 M										
RIRIE (IF/IAF)				HONIS (FB)			262.49 / 8.00				2300												
HONIS (FAF)				BWANA/2.40 NM TO RW26 (FB)			262.41 / 2.13																
BWANA/2.40 NM TO RW26				RW26 (MAP) (FO)			262.41 / 2.40																
RW26 (MAP)				985 MSL			262.41				3000												
985 MSL				CABKI (FO)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 4W EPOCH YEAR: 2020									
2. HOLD E RIRIE, RT, 262.49 INBOUND, 3300 FT. IN LIEU OF PT (IAF)																							
3. FAC: 262.41 FAF: HONIS DIST FAF TO MAP: 4.53 THLD: 4.53																							
4. MIN. ALT: RIRIE 3300, HONIS 2300, BWANA/2.40 NM TO RW26 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: _____																							
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	1100	1	525	1100	1	525	1100	1 1/2	525	1100	1 1/2	525											
LNAV MDA	1120	1	545	1120	1	545	1120	1 5/8	545	1120	1 5/8	545											
CIRCLING	1260	1	675	1260	1	675	1280	2	695	1600	3	1015											
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: USE SHELBY COUNTY ALTIMETER SETTING; WHEN NOT RECEIVED, USE MERKEL FIELD SYLACAUGA MUNI ALTIMETER SETTING AND INCREASE ALL MDA 20 FEET AND LP VISIBILITY CAT C/D 1/8 MILE. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.																							
CITY AND STATE CLANTON, AL				ELEVATION: 585 TDZE: 575 AIRPORT NAME: CHILTON COUNTY				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 15 SEPTEMBER 2016					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.

TAA

	FROM	TO	ALT
1.	172/30 CW 352/30 (NOPT) 172/6 CW 352/6	172/6 CW 352/6 RIRIE (IF/IAF) (FB)	4100 3300
2.	352/30 CW 172/30	RIRIE (IF/IAF) (FO)	3700

CITY AND STATE
CLANTON, AL

ELEVATION: 585 TDZE: 575
AIRPORT NAME:
CHILTON COUNTY

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 26, ORIG
15 SEPTEMBER 2016

SUP: 
AMDT: NONE
DATED:

**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	02A
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	325105.7450N
LTP/FTP LONGITUDE	0863618.1590W
LTP/FTP ELLIPSOIDAL HEIGHT	+01440
FPAP LATITUDE	325047.7210N
FPAP LONGITUDE	0863801.7450W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1528
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

82AA505D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+01727
FPAP ORTHOMETRIC HEIGHT	+01727

QUALITY
4

CITY AND STATE

CLANTON, AL

ELEVATION: 585

TDZE: 575

AIRPORT NAME:

CHILTON COUNTY

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 26, ORIG

15 SEPTEMBER 2016

SUP:

AMDT:

DATED:

CHECKED

NONE

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 - 02A ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr> <td rowspan="8">RIRIE</td> <td>010</td> <td>RIRIE</td> <td>HF</td> <td>FO</td> <td></td> <td>262.5</td> <td></td> <td></td> <td>R</td> <td></td> <td></td> <td>AA 03300</td> <td></td> <td>EE A</td> </tr> <tr> <td>010</td> <td>RIRIE</td> <td>IF</td> <td>FB</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AA 03300</td> <td></td> <td>E I</td> </tr> <tr> <td>020</td> <td>HONIS</td> <td>TF</td> <td>FB</td> <td>1.0</td> <td>262.5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AA 02300</td> <td></td> <td>E F</td> </tr> <tr> <td>021</td> <td>BWANA</td> <td>TF</td> <td>FB</td> <td>0.3</td> <td>262.4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AA 01500</td> <td></td> <td>E S</td> </tr> <tr> <td>030</td> <td>RW26</td> <td>TF</td> <td>FO</td> <td>0.3</td> <td>262.4</td> <td></td> <td>0.00</td> <td></td> <td></td> <td></td> <td>AT 01120</td> <td></td> <td>GY M</td> </tr> <tr> <td>040</td> <td></td> <td>CA</td> <td>FB</td> <td></td> <td>262.4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AA 00985</td> <td></td> <td>M</td> </tr> <tr> <td>050</td> <td>CABKI</td> <td>DF</td> <td>FO</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AA 03000</td> <td></td> <td>EY</td> </tr> <tr> <td>060</td> <td>CABKI</td> <td>HM</td> <td>FO</td> <td></td> <td>082.2</td> <td></td> <td>R</td> <td></td> <td></td> <td></td> <td>AA 03000</td> <td></td> <td>EE</td> </tr> </tbody> </table> POINTS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr> <td>BWANA</td> <td>N325134.83</td> <td>W0863330.72</td> </tr> <tr> <td>CABKI</td> <td>N324825.06</td> <td>W0865136.21</td> </tr> <tr> <td>HONIS</td> <td>N325200.55</td> <td>W0863102.31</td> </tr> <tr> <td>RIRIE</td> <td>N325336.84</td> <td>W0862143.88</td> </tr> </tbody> </table> RUNWAYS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW26</td> <td>N325105.75</td> <td>W0863618.16</td> <td>00567</td> <td></td> </tr> </tbody> </table>														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	RIRIE	010	RIRIE	HF	FO		262.5			R			AA 03300		EE A	010	RIRIE	IF	FB								AA 03300		E I	020	HONIS	TF	FB	1.0	262.5						AA 02300		E F	021	BWANA	TF	FB	0.3	262.4						AA 01500		E S	030	RW26	TF	FO	0.3	262.4		0.00				AT 01120		GY M	040		CA	FB		262.4						AA 00985		M	050	CABKI	DF	FO								AA 03000		EY	060	CABKI	HM	FO		082.2		R				AA 03000		EE	POINT NAME	LATITUDE	LONGITUDE	BWANA	N325134.83	W0863330.72	CABKI	N324825.06	W0865136.21	HONIS	N325200.55	W0863102.31	RIRIE	N325336.84	W0862143.88	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW26	N325105.75	W0863618.16	00567	
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CITY AND STATE CLANTON, AL		ELEVATION: 585 TDZE: 575 AIRPORT NAME: CHILTON COUNTY		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 26, ORIG 15 SEPTEMBER 2016		SUP: NONE DATED:																																																																																																																																																														

QUALITY
 4
 CHECKED

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation and altitudes are in feet MSL. Altitudes are minimum altitudes unless otherwise indicated.
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City, State	Airport	Effective Date	Amdt. No.
CLANTON, AL	CHILTON COUNTY	15 SEPTEMBER 2016	1

TAKEOFF MINIMUMS:

RWY 26, STANDARD
RWY 8, 300-1 ¾ OR STANDARD WITH A MINIMUM CLIMB GRADIENT OF 520 FEET PER NM TO 800.

TEXTUAL DEPARTURE PROCEDURES:

RWY 26: CLIMB HEADING 262.36 TO 1000 BEFORE TURNING NORTH.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, CATENARY 135 FT FROM DER, 494 FT LEFT OF CENTERLINE, 51 FT AGL/611 FT MSL. TREES BEGINNING 185 FT FROM DER, 328 FT LEFT OF CENTERLINE, UP TO 87 FT AGL/646 FT MSL. TREE, POLE, BLDG, FLGPL BEGINNING 389 FT FROM DER, 264 FT LEFT OF CENTERLINE, UP TO 101 FT AGL/657 FT MSL. TREE 612 FT FROM DER, 461 FT RIGHT OF CENTERLINE, 77 FT AGL/644 FT MSL. TREE 767 FT FROM DER, 536 FT RIGHT OF CENTERLINE, 83 FT AGL/657 FT MSL. TREE, POLE BEGINNING 936 FT FROM DER, 289 FT RIGHT OF CENTERLINE, UP TO 103 FT AGL/679 FT MSL. TREE 1625 FT FROM DER, 782 FT LEFT OF CENTERLINE, 84 FT AGL/681 FT MSL. TREES BEGINNING 1663 FT FROM DER, 578 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/692 FT MSL. TREE, POLE, VEHICLES ON ROAD BEGINNING 1880 FT FROM DER, ON CENTERLINE, UP TO 59 FT AGL/703 FT MSL. TREE, STEEPLE, POLE BEGINNING 1981 FT FROM DER, 70 FT LEFT OF CENTERLINE, UP TO 90 FT AGL/701 FT MSL. TREE 2340 FT FROM DER, 926 FT RIGHT OF CENTERLINE, 64 FT AGL/711 FT MSL. TREE, POLE BEGINNING 2362 FT FROM DER, 23 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL/720 FT MSL. TREES, POLES BEGINNING 2640 FT FROM DER, 177 FT RIGHT OF CENTERLINE, UP TO 84 FT AGL/724 FT MSL. TREES, POLES BEGINNING 3180 FT FROM DER, 415 FT RIGHT OF CENTERLINE, UP TO 108 FT AGL/732 FT MSL. TREE, POLE BEGINNING 3408 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 111 FT AGL/711 FT MSL. TREE, POLE BEGINNING 3536 FT FROM DER, 70 FT RIGHT OF CENTERLINE, UP TO 94 FT AGL/736 FT MSL. TREES, POLE BEGINNING 4266 FT FROM DER, 155 FT LEFT OF CENTERLINE, UP TO 108 FT AGL/748 FT MSL. TREE, ANT, POLE BEGINNING 4416 FT FROM DER, 619 FT RIGHT OF CENTERLINE, UP TO 110 FT AGL/763 FT MSL. TREE, POLE BEGINNING 4688 FT FROM DER, 384 FT LEFT OF CENTERLINE, UP TO 95 FT AGL/752 FT MSL. TREE, POLE BEGINNING 4734 FT FROM DER, 1052 FT RIGHT OF CENTERLINE, UP TO 95 FT AGL/772 FT MSL. TREE, POLE BEGINNING 4795 FT FROM DER, 313 FT RIGHT OF CENTERLINE, UP TO 102 FT AGL/775 FT MSL. TREES BEGINNING 4935 FT FROM DER, 45 FT LEFT OF CENTERLINE, UP TO 109 FT AGL/772 FT MSL. TREES BEGINNING 1 NM FROM DER, 18 FT RIGHT OF CENTERLINE, UP TO 99 FT AGL/777 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 15 FT LEFT OF CENTERLINE, UP TO 110 FT AGL/784 FT MSL.

NOTE: RWY 26, POLE 142 FT FROM DER, 444 FT LEFT OF CENTERLINE, 35 FT AGL/611 FT MSL. GRD, BLDG BEGINNING 200 FT FROM DER, 289 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/608 FT MSL. TREE, POLE BEGINNING 375 FT FROM DER, 423 FT LEFT OF CENTERLINE, UP TO 79 FT AGL/662 FT MSL. POLE 428 FT FROM DER, 313 FT RIGHT OF CENTERLINE, 35 FT AGL/628 FT MSL. TREE, POLE BEGINNING 454 FT FROM DER, 357 FT RIGHT OF CENTERLINE, UP TO 69 FT AGL/665 FT MSL. TREE, VEHICLE ON ROAD, POLE BEGINNING 605 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL/688 FT MSL. TREE, POLE BEGINNING 673 FT FROM DER, 381 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/669 FT MSL. TREES, POLE BEGINNING 962 FT FROM DER, 13 FT RIGHT OF CENTERLINE, UP TO 94 FT AGL/697 FT MSL. TREE, POLE BEGINNING 1338 FT FROM DER, 30 FT LEFT OF CENTERLINE, UP TO 101 FT AGL/678 FT MSL. TREE, TANK, WATER TWR BEGINNING 4449 FT FROM DER, 941 FT LEFT OF CENTERLINE, UP TO 110 FT AGL/729 FT MSL.

CONTROLLING OBSTACLES:

RWY 8: 720 FT MSL TREE 325107.24N/0863550.25W (CLIMB GRADIENT, CLIMB TO ALTITUDE)
784 FT MSL TREE 325126.97N/0863453.89W (CEILING)
768 FT MSL TREE 325128.73N/0863448.19W (VISIBILITY)

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 26: 908 FT MSL TOWER 325113.02N/0863905.23W.



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
CLANTON, AL	CHILTON COUNTY	15 SEPTEMBER 2016	1

REMARKS:

FLIGHT INSPECTED BY:

KIM M BROWN

FICO

Digitally signed by
JULIE A MORGAN
Jun 21, 2016

06/06/2016

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY: *Digitally signed by*

ROSE BOONE

ROSE BOONE
Feb 25, 2016

AJV-5412

02/04/2016

APPROVED BY:

Digitally signed by

JULIE A MORGAN
MARLON ROBINSON Jun 21, 2016 AJV-5410

COORDINATED WITH:

ALPA, AOPA, NBAA, ZTL, MGM APP CON, AMGR

CHANGES:

1. UPDATED OBSTACLE NOTES AND CONTROLLING OBSTACLES.
2. CHANGED RWY 8 TAKEOFF MINIMUMS FROM 300-1 TO 300-1 $\frac{3}{4}$ OR STANDARD WITH A MINIMUM CLIMB GRADIENT OF 520 FEET PER NM TO 800.
3. CHANGED RWY 26 TAKEOFF MINIMUMS FROM 200-1, OR STANDARD WITH A MINIMUM CLIMB OF 250 TO 1000 TO "STANDARD".

REASONS:

1. CURRENT OBSTACLE DATA BASE.
- 2, 3. NEW CONTROLLING OBSTACLE.

QUALITY
24
CHECKED

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BERMUDA DUNES	ONE	KUDD1.KUDD	NONE		15 SEPTEMBER 2016

TYPE: OBSTACLE

DP ROUTE DESCRIPTION:

TAKEOFF RUNWAY 10: CLIMBING RIGHT TURN HEADING 150 TO INTERCEPT TRM R-304 TO TRM VORTAC, THENCE... OR, OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE; CLIMB IN VISUAL CONDITIONS TO CROSS BERMUDA DUNES AIRPORT AT OR ABOVE 2600, THEN ON TRM R-304 TO TRM VORTAC, THENCE...
TAKEOFF RUNWAY 28: CLIMB HEADING 281.85 TO 900 THEN CLIMBING LEFT TURN HEADING 090 TO INTERCEPT TRM R-304 TO TRM VORTAC, THENCE... OR, OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE; CLIMB IN VISUAL CONDITIONS TO CROSS BERMUDA DUNES AIRPORT AT OR ABOVE 2600, THEN ON TRM R-304 TO TRM VORTAC, THENCE...

...CONTINUE CLIMBING IN TRM VORTAC HOLDING PATTERN (E, RIGHT TURNS, 289 INBOUND) TO CROSS TRM VORTAC AT OR ABOVE MEA/MCA FOR ROUTE OF FLIGHT.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

RUNWAY 10, STANDARD WITH MINIMUM CLIMB OF 334 FT PER NM TO 3000 OR 2700-3 FOR VCOA.
RUNWAY 28, STANDARD WITH MINIMUM CLIMB OF 490 FT PER NM TO 2300 OR 2700-3 FOR VCOA.

TAKEOFF OBSTACLES NOTES:

CONTROLLING OBSTACLES:

RWY 28: 2152 FT MSL AAO 334130.80N/1162014.03W; RWY 10/28: 5046 FT MSL AAO 333412.00N/1161903.00W (CLIMB IN HOLD)

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

AIRPORTS SERVED:

BERMUDA DUNES

PALM SPRINGS, CA



U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

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DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
BERMUDA DUNES	ONE	KUDD1.KUDD	NONE		15 SEPTEMBER 2016

COMMUNICATIONS:

PSP ATIS, PSP APPROACH CONTROL, PSP TOWER, PSP AND TRM ASOS, UDD AND TRM UNICOM

FIXES AND/OR NAVAIDS:

REMARKS:

FLIGHT INSPECTED BY:

TONY BAMSEY *Digitally signed by* FICO 07/05/2016

BEV L BORDY

DEVELOPED BY:

BRETT CANNON Jul 19, 2016 *Digitally signed by* AJV-5432 4/21/2016

APPROVED BY:

BEV L BORDY

LONNIE EVERHART Jul 19, 2016 *Digitally signed by* AJV-5430 MANAGER

COORDINATED WITH:

BEV L BORDY

Jul 19, 2016

REQUIRED EFFECTIVE DATE:

ROUTINE

CHANGES:

1. TEXTUAL ODP TO A GRAPHIC ODP
2. ADDED 900' TURN ALTITUDE TO RWY 28
3. ADDED A CG TO RWY 10 DEPARTURES

REASONS:

1. TO CLEAR NOTAMS
2. TO KEEP CG BELOW 500'/NM
3. FOR AIRCRAFT TO REACH MINIMUM HOLDING ALTITUDE AT TRM VORTAC.

QUALITY
3
CHECKED

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-SEE 0.88 DME FIX									
MZB VORTAC		BARET/I-SEE 15.83 DME			075.85 / 27.72			7300		CLIMBING LEFT TURN TO 3000 DIRECT TO MZB VORTAC AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 3000 HEADING 269 AND OCN VORTAC R-145 TO CARIF INT/OCN 12.83 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 075.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE CARIF INT, LT, 325.48 INBOUND. CHART FAS OBST: 1254 TREE 324938N/1165627W 1519 AAO 324915N/1165345W CHART IN PLANVIEW: CARIF INT. CHART CIRCLING ICON. DEBEY TO RW27R: 6.88/45 CHART PLANVIEW NOTE: DME REQUIRED									
WOPOS/I-SEE 18.83 DME		BARET/I-SEE 15.83 DME			269.08 / 3.00 (I-SEE)			5900											
BARET/I-SEE 15.83 DME (IF)		ZIRLU/I-SEE 11.53 DME			269.08 / 4.30 (I-SEE)			4900											
ZIRLU/I-SEE 11.53 DME		SAMOS/I-SEE 8.53 DME			269.08 / 3.00 (I-SEE)			4000											
1. PT <u>R</u> SIDE OF COURSE <u>089.08</u> OUTBOUND <u>7300</u> FT WITHIN <u>10</u> MILES OF <u>BARET</u> (IAF)										MAG VAR: 13E EPOCH YEAR:1990									
2. _____																			
3. FAC <u>269.08</u> FAF <u>SAMOS/I-SEE 8.53 DME</u> DIST FAF TO MAP _____ THLD _____																			
4. MIN. ALT <u>WOPOS/I-SEE 18.83 DME 6800, BARET 5900, ZIRLU 4900, SAMOS 4000, DEBEY/I-SEE 3.98 DME 2700</u>																			
8. MSA FROM: <u>MZB VORTAC 330-150 5400, 150-330 2200</u>																			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT					ALTERNATE: N A					@									
CATEGORY =====>	A			B			C			D			E						
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
CIRCLING	1500	1 1/4	1112	1500	1 1/2	1112	1920	3	1532	1920	3	1532							
NOTES:																			
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE MIRAMAR MCAS ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET.										@ NA WHEN CONTROL TOWER CLOSED.									
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.										@ CAT A, B 1200-2, CAT C, D 1600-3									
CHART NOTE: CIRCLING NA NE OF RWY 27R-17.																			
CHART NOTE: NIGHT LANDING: RWY 9L, 17, 27L, 27R, 35 NA.																			
CITY AND STATE SAN DIEGO/EL CAJON, CA		ELEVATION: 388 AIRPORT NAME: GILLESPIE FIELD		TDZE:		FACILITY IDENTIFIER: I-SEE		PROCEDURE NO./AMD'T NO./EFFECTIVE DATE: LOC-D, AMDT 11C 15 SEPTEMBER 2016				SUP LOC-D		11B					
												AMDT		11B					
												DATE		04/28/2016					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KSEE

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
MZB	010	MZB	IF	FB										V
MZB	020	BARET	TF	FB								AA 07300		E
MZB	030	BARET	PI	FB		134.1	ISEE		L			AA 07300		EE A
	010	WOPOS	IF	FB			ISEE					AA 06800		E I
	011	BARET	CF	FB		269.0	ISEE					AA 05900		E B
	012	ZIRLU	CF	FB		269.0	ISEE					AA 04900		E
	020	SAMOS	CF	FB		269.0	ISEE			MZB		AA 04000		E F
	021	DEBEY	CF	FB		269.0	ISEE	6.88				AA 02700		E S
	030	RW27R	CF	FO		269.0	ISEE	6.88				AT 00427		GY M
	040		CA	FB		269.1						AA 00788		M
	050	MZB	DF	FO								AA 03000		VY
	060	MZB	HM	FO		075.0			R			AA 03000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
MZB	N324655.93	W1171331.49
ISEE (DME)	N324949.80	W1165859.76
BARET	N324626.79	W1164038.87
DEBEY	N324857.40	W1165423.56
SAMOS	N324759.73	W1164906.89
WOPOS	N324549.07	W1163710.41
ZIRLU	N324721.96	W1164538.13
ISEE (LOC)	N324947.51	W1165900.56

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW27R	N324936.45	W1165759.38	00382	45

QUALITY
28
CHECKED

CITY AND STATE SAN DIEGO/EL CAJON, CA	ELEVATION: 388 AIRPORT NAME: GILLESPIE FIELD	TDZE: I-SEE	FACILITY IDENTIFIER: I-SEE	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: LOC-D, AMDT 11C 15 SEPTEMBER 2016	SUP: LOC/DME-D
					AMDT: 11B
					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.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE		ALTITUDE		ILS: DA LOC: 5.13 NM AFTER ZILBA INT/I-TOA 5.95 DME OR AT I-TOA 0.82 DME FIX CLIMB TO 3000 ON HEADING 294 TO CROSS LAX VORTAC R-150 THEN CLIMBING LEFT TURN ON HEADING 250 AND ON LAX VORTAC R-192 TO INISH INT/LAX 12.04 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 071.00 INBOUND. CHART FAS OBST: 372 TREE 334654N/1181859W CHART VDP AT 2.07 DME* DISTANCE VDP TO THLD 1.25 NM. *LOC ONLY. CHART CIRCLING ICON. CHART IN PLANVIEW ONLY: SLI 7.90 DME AT ODEQY								
SLI VORTAC (IAF)		ODEQY INT/I-TOA 12.61 DME		202.00 / 7.90		2000										
ODEQY INT/I-TOA 12.61 DME		DRIFY INT/I-TOA 10.30 DME		294.46 / 2.31 (I-TOA)		2000										
ALBAS INT/LAX VORTAC 26.70 DME (IAF)		DRIFY INT/I-TOA 10.30 DME		303.33 / 8.17 (LAX R-123)		2000										
DRIFY INT/I-TOA 10.30 DME (IF)		ZILBA INT/I-TOA 5.95 DME		294.46 / 4.35 (I-TOA)		2000										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT DRIFY INT/I-TOA 10.30 DME 3. FAC: 294.46 FAF: ZILBA INT/I-TOA 5.95 DME DIST FAF TO MAP: 5.13 THLD: 5.13 4. MIN. ALT: DRIFY 2000, ZILBA 2000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 880 6. MIN GS INCPT: 2000 GS ALT AT: ZILBA 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.40 TCH: 51.6 8. MSA FROM: LAX VORTAC 345-090 7700, 090-230 2700, 230-345 5200										MAG VAR: 14E		EPOCH YEAR: 1980				
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 29R		381	1/2	284	381	1/2	284	381	1/2	284		NA				
S-LOC 29R		640	1/2	543	640	1/2	543	640	1 1/8	543		NA				
CIRCLING		640	1	537	680	1	577	680	1 5/8	577		NA				
NOTES: CHART NOTE: CIRCLING NA SW OF RWY 11R-29L. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, EXCEPT FOR OPERATORS WITH APPROVED WEATHER REPORTING SERVICE, USE LOS ANGELES INTL ALTIMETER SETTING AND INCREASE ALL DA TO 405 FEET AND (CONTINUED ON PAGE 2)																
CITY AND STATE TORRANCE, CA		ELEVATION: 103 TDZE: 97 AIRPORT NAME: ZAMPERINI FIELD		FACILITY IDENTIFIER: I-TOA		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 29R, AMDT 3 15 SEPTEMBER 2016						SUP: AMDT: 2B DATED 01/15/2009				

QUALITY
25
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.):
INCREASE ALL MDA 40 FEET; INCREASE S-LOC 29R AND CIRCLING CAT C VISIBILITY 1/8 SM.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 29R ALL CATS VISIBILITY TO 7/8 SM.
CHART NOTE: FOR INOPERATIVE ALS WHEN USING LOS ANGELES INTL ALTIMETER SETTING INCREASE S-ILS 29R ALL CATS VISIBILITY TO 7/8 SM.
CHART NOTE: VDP NA WHEN USING LOS ANGELES ALTIMETER SETTING.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALBAS ON V25 SOUTHEAST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SLI VORTAC ON V8-64 EASTBOUND.



CITY AND STATE TORRANCE, CA	ELEVATION: 103 TDZE: 97 AIRPORT NAME: ZAMPERINI FIELD	FACILITY IDENTIFIER: I-TOA	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 29R, AMDT 3 15 SEPTEMBER 2016	SUP:
				AMDT: 2B
				DATED: 01/15/2009

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		LPV: DA LNAV/VNAV: DA LNAV: RW11L CLIMB TO 2700 DIRECT FERRY AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2700. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 303.33 INBOUND. CHART FAS OBST: 509 TREE 334748N/1182110W 408 AAO 335119N/1182303W DISTANCE TO THLD FROM 270 HAT: 0.61 NM. CHART VDP AT 1.46 NM TO RW11L* *LNAV ONLY. WAAS CHANNEL # 61125 REFERENCE PATH ID: W11A CHART CIRCLING ICON LTP HAE: -10 M							
INISH (IAF)		YUFAP (FB)		352.06 / 3.62				2700									
YUFAP		WEVET (FB)		033.04 / 4.65				2000									
WEVET (IF)		ZANAN (FB)		100.14 / 3.92				1300									
ZANAN (FAF)		RW11L (MAP) (FO)		114.43 / 3.17													
RW11L (MAP)		366 MSL		114.43													
366 MSL		FERRY (FO)						2700									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT WEVET 3. FAC: <u>114.43</u> FAF: <u>ZANAN</u> DIST FAF TO MAP: <u>3.17</u> THLD: <u>3.17</u> 4. MIN. ALT: <u>WEVET 2000, ZANAN 1300</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1300</u> GS ALT AT: <u>ZANAN 1300</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.43</u> TCH: <u>59.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW11L 7700</u>										MAG VAR: 14E		EPOCH YEAR: 1970					
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	366	7/8	270	366	7/8	270	366	7/8	270		NA						
LNAV/VNAV DA	690	1 3/4	594	690	1 3/4	594	690	1 3/4	594		NA						
LNAV MDA	640	1	544	640	1	544	640	1 5/8	544		NA						
CIRCLING	640	1	537	680	1	577	680	1 5/8	577		NA						
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 3C (38F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA SW OF RWY 11R-29L. CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LOS ANGELES INTL ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																	
CITY AND STATE		ELEVATION: 103 TDZE: 96				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
TORRANCE, CA		AIRPORT NAME: ZAMPERINI FIELD						RNAV (GPS) RWY 11L, AMDT 1				AMDT: ORIG-A					
								15 SEPTEMBER 2016				DATED 05/29/2014					

 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.

NOTES, (CONT.):

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, EXCEPT FOR OPERATORS WITH APPROVED WEATHER REPORTING SERVICE, USE LOS ANGELES INTL ALTIMETER SETTING: INCREASE LPV DA TO 390 FEET AND LNAV/VNAV DA TO 714 FEET AND ALL MDA 40 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY, LNAV CAT C VISIBILITY AND CIRCLING CAT C VISIBILITY 1/8 SM.

CHART NOTE: RWY 11L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT INISH ON V8-V64 WESTBOUND.

QUALITY
25
CHECKED

CITY AND STATE TORRANCE, CA	ELEVATION: 103 AIRPORT NAME: ZAMPERINI FIELD	TDZE: 96 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11L, AMDT 1 15 SEPTEMBER 2016	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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTOA
RUNWAY	RW11L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W11A
LTP/FTP LATITUDE	334825.6870N
LTP/FTP LONGITUDE	1182039.3890W
LTP/FTP ELLIPSOIDAL HEIGHT	-00100
FPAP LATITUDE	334730.1615N
FPAP LONGITUDE	1181915.6750W
THRESHOLD CROSSING HEIGHT (TCH)	00059.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.43
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1392
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

B4E0875B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00259
FPAP ORTHOMETRIC HEIGHT	+00259

QUALITY
25
CHECKED

CITY AND STATE TORRANCE, CA	ELEVATION: 103 AIRPORT NAME: ZAMPERINI FIELD	TDZE: 96 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 11L, AMDT 1 15 SEPTEMBER 2016	SUP:
				AMDT: ORIG-A
				DATED: 05/29/2014

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

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ARINC SUMMARY - KTOA

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
INISH	010	INISH	IF	FB										E A
INISH	020	YUFAP	TF	FB	1.0	352.1						AA 02700		E
INISH	030	WEVET	TF	FB	1.0	033.0						AA 02000		EE B
	010	WEVET	IF	FB								AA 02000		E I
	020	ZANAN	TF	FB	1.0	100.1				RW11L		AA 01300		E F
	030	RW11L	TF	FO	0.3	114.4		3.43				AT 00144		GY M
	040		CA	FB		114.4						AA 00366		M
	050	FERMY	DF	FO								AA 02700		EY
	060	FERMY	HM	FO		303.3			R			AA 02700		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FERMY	N334400.29	W1181309.88
INISH	N334514.08	W1183228.76
WEVET	N335200.76	W1182756.18
YUFAP	N334850.45	W1183201.23
ZANAN	N335024.31	W1182338.41

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW11L	N334825.69	W1182039.39	00085	59

QUALITY
25
CHECKED

CITY AND STATE TORRANCE, CA	ELEVATION: 103 TDZE: 96	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 11L, AMDT 1 15 SEPTEMBER 2016	SUP:
	AIRPORT NAME: ZAMPERINI FIELD			AMDT: ORIG-A
				DATED: 5/29/2014

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: RW29R (DO NOT EXCEED 185 KIAS UNTIL ZANAN) CLIMB TO 3000 DIRECT ZANAN AND ON TRACK 221.02 TO INISH AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. ADDITIONAL FLIGHT DATA: HOLD W, RT, 071.00 INBOUND. CHART FAS OBST: 425 TANK 334637N/1181847W DISTANCE TO THLD FROM 270 HAT: 0.61 NM. CHART VDP AT 1.34 NM TO RW29R* *LNAV ONLY. WAAS CHANNEL # 56425 REFERENCE PATH ID: W29A CHART CIRCLING ICON. LTP HAE: -6.4 M					
ALBAS (IAF)		DRIFY (FB)		304.55 / 8.17				2000							
SLI VORTAC (IAF)		DRIFY (FB)		219.41 / 8.17				2000							
DRIFY (IF)		ZILBA (FB)		294.57 / 4.35				2000							
ZILBA (FAF)		RW29R (MAP) (FO)		294.49 / 5.13											
RW29R (MAP)		367 MSL		294.49											
367 MSL		ZANAN (FB)													
ZANAN		INISH (FO)		221.02 / 8.99				3000							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT DRIFY 3. FAC: <u>294.49</u> FAF: <u>ZILBA</u> DIST FAF TO MAP: <u>5.13</u> THLD: <u>5.13</u> 4. MIN. ALT: <u>DRIFY 2000, ZILBA 2000</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2000</u> GS ALT AT: <u>ZILBA 2000</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.40</u> TCH: <u>51.6</u> 34:1 IS CLEAR 8. MSA FROM: <u>RW29R 7700</u>										MAG VAR: 14E EPOCH YEAR: 1970					
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	367	1/2	270	367	1/2	270	367	1/2	270		NA				
LNAV/VNAV DA	739	1 1/2	642	739	1 1/2	642	739	1 1/2	642		NA				
LNAV MDA	680	1/2	583	680	1/2	583	680	1 1/4	583		NA				
CIRCLING	680	1	577	680	1	577	680	1 3/4	577		NA				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 3C (38F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA SW OF RWY 11R-29L. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALBAS ON V25 SOUTHEAST BOUND. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 103 TDZE: 97				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
TORRANCE, CA		AIRPORT NAME: ZAMPERINI FIELD						RNAV (GPS) RWY 29R, AMDT 1				AMDT: ORIG-B			
								15 SEPTEMBER 2016				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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NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SLI VORTAC AIRWAY RADIALS 202 CW 272.

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

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV ALL CATS VISIBILITY TO 7/8 SM.

CHART NOTE: FOR INOPERATIVE ALS WHEN USING LOS ANGELES INTL ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 7/8 SM, LNAV/VNAV ALL CATS VISIBILITY TO 2 SM, AND LNAV CAT C VISIBILITY TO 1 3/4 SM.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING LOS ANGELES INTL ALTIMETER SETTING.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, EXCEPT FOR OPERATORS WITH APPROVED WEATHER REPORTING SERVICE, USE LOS ANGELES INTL SETTING: INCREASE LPV DA TO 391 FEET AND LNAV/VNAV DA TO 763 FEET AND ALL MDA 40 FEET; INCREASE LNAV/VNAV ALL CATS VISIBILITY AND LNAV CAT C VISIBILITY 1/8 SM.

QUALITY
25
CHECKED

CITY AND STATE
TORRANCE, CA

ELEVATION: 103 TDZE: 97
AIRPORT NAME:
ZAMPERINI FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 29R, AMDT 1
15 SEPTEMBER 2016

SUP:
AMDT: ORIG-B
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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KTOA
RUNWAY	RW29R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W29A
LTP/FTP LATITUDE	334801.5675N
LTP/FTP LONGITUDE	1182003.0115W
LTP/FTP ELLIPSOIDAL HEIGHT	-00064
FPAP LATITUDE	334857.0655N
FPAP LONGITUDE	1182126.7610W
THRESHOLD CROSSING HEIGHT (TCH)	00051.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.40
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1392
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER

FAB9DBBE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00296
FPAP ORTHOMETRIC HEIGHT	+00296

QUALITY
25
CHECKED

CITY AND STATE TORRANCE, CA	ELEVATION: 103 AIRPORT NAME: ZAMPERINI FIELD	TDZE: 97 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 29R, AMDT 1 15 SEPTEMBER 2016	SUP:
				AMDT: ORIG-B
				DATED: 05/29/2014

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 - KTOA ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>ALBAS</td><td>010</td><td>ALBAS</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>ALBAS</td><td>020</td><td>DRIFY</td><td>TF</td><td>FB</td><td>1.0</td><td>304.6</td><td></td><td></td><td></td><td></td><td></td><td>AA 02000</td><td></td><td>EE B</td></tr> <tr><td>SLI</td><td>010</td><td>SLI</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>V A</td></tr> <tr><td>SLI</td><td>020</td><td>DRIFY</td><td>TF</td><td>FB</td><td>1.0</td><td>219.4</td><td></td><td></td><td></td><td></td><td></td><td>AA 02000</td><td></td><td>EE B</td></tr> <tr><td></td><td>010</td><td>DRIFY</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 02000</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>ZILBA</td><td>TF</td><td>FB</td><td>1.0</td><td>294.6</td><td></td><td></td><td></td><td>RW29R</td><td></td><td>AA 02000</td><td></td><td>E F</td></tr> <tr><td></td><td>030</td><td>RW29R</td><td>TF</td><td>FO</td><td>0.3</td><td>294.5</td><td></td><td>3.40</td><td></td><td></td><td></td><td>AT 00149</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>294.5</td><td></td><td></td><td></td><td></td><td></td><td>AA 00367</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>ZANAN</td><td>DF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AB 185</td><td></td><td>E</td></tr> <tr><td></td><td>060</td><td>INISH</td><td>TF</td><td>FO</td><td>1.0</td><td>221.0</td><td></td><td></td><td></td><td></td><td></td><td>AA 03000</td><td></td><td>EY</td></tr> <tr><td></td><td>070</td><td>INISH</td><td>HM</td><td>FO</td><td></td><td>071.0</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 03000</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr><td>SLI</td><td>N334659.87</td><td>W1180317.12</td></tr> <tr><td>ALBAS</td><td>N333558.68</td><td>W1180440.16</td></tr> <tr><td>INISH</td><td>N334514.08</td><td>W1183228.76</td></tr> <tr><td>DRIFY</td><td>N334206.73</td><td>W1181109.17</td></tr> <tr><td>ZANAN</td><td>N335024.31</td><td>W1182338.41</td></tr> <tr><td>ZILBA</td><td>N334449.78</td><td>W1181514.02</td></tr> </tbody> </table> RUNWAYS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW29R</td> <td>N334801.57</td> <td>W1182003.01</td> <td>00097</td> <td>51</td> </tr> </tbody> </table>															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	ALBAS	010	ALBAS	IF	FB										E A	ALBAS	020	DRIFY	TF	FB	1.0	304.6						AA 02000		EE B	SLI	010	SLI	IF	FB										V A	SLI	020	DRIFY	TF	FB	1.0	219.4						AA 02000		EE B		010	DRIFY	IF	FB								AA 02000		E I		020	ZILBA	TF	FB	1.0	294.6				RW29R		AA 02000		E F		030	RW29R	TF	FO	0.3	294.5		3.40				AT 00149		GY M		040		CA	FB		294.5						AA 00367		M		050	ZANAN	DF	FB								AB 185		E		060	INISH	TF	FO	1.0	221.0						AA 03000		EY		070	INISH	HM	FO		071.0			R			AA 03000		EE	POINT NAME	LATITUDE	LONGITUDE	SLI	N334659.87	W1180317.12	ALBAS	N333558.68	W1180440.16	INISH	N334514.08	W1183228.76	DRIFY	N334206.73	W1181109.17	ZANAN	N335024.31	W1182338.41	ZILBA	N334449.78	W1181514.02	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW29R	N334801.57	W1182003.01	00097	51
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CITY AND STATE TORRANCE, CA					ELEVATION: 103 TDZE: 97 AIRPORT NAME: ZAMPERINI FIELD					FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 29R, AMDT 1 15 SEPTEMBER 2016			SUP: AMDT: ORIG-B DATED: 05/29/2014																																																																																																																																																																																																																		

QUALITY
25
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: 2.20 NM AFTER BHOOV INT/LAX 6.00 DME OR AT MARRP/LAX 8.20 DME FIX							
SMO VOR/DME (IAF)			LAX VORTAC			150.04 / 4.78				2900		CLIMBING LEFT TURN TO 3000 ON HEADING 075 AND ON LAX VORTAC R-123 TO WILMA INT/LAX 12.98 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.							
LAX VORTAC (IF)			BHOOV INT/LAX 6.00 DME			135.00 / 6.00				1200									
										ADDITIONAL FLIGHT DATA: HOLD SE, RT, 303.33 INBOUND. CHART FAS OBST: 587 TOWER 335135N/1182100W BHOOV TO RW11L: 3.67 / 50. CHART CIRCLING ICON									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 15E EPOCH YEAR:1965									
2. PROFILE STARTS AT LAX VORTAC																			
3. FAC 135.00 FAF BHOOV INT/LAX 6.00 DME DIST FAF TO MAP 2.20 THLD 2.73																			
4. MIN. ALT LAX VORTAC 2900, BHOOV 1200																			
8. MSA FROM: LAX VORTAC 345-090 7700, 090-230 2700, 230-345 5200																			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		@							
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
S-11L	980	1	884	980	1 1/4	884	980	2 1/2	884		NA								
CIRCLING	980	1 1/4	877	980	1 1/4	877	980	2 1/2	877		NA								
NOTES:																			
CHART NOTE: CIRCLING NA SW OF RWY 11R-29L. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, EXCEPT FOR OPERATORS WITH APPROVED WEATHER REPORTING SERVICE, USE LOS ANGELES INTL ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET AND (CONTINUED ON PAGE 2)										@ NA WHEN CONTROL TOWER CLOSED, EXCEPT FOR OPERATORS WITH APPROVED WEATHER REPORTING SERVICES. @ CAT A, B 900-2, CAT C 900-2 1/2									
CITY AND STATE TORRANCE, CA				ELEVATION: 103 TDZE: 96 AIRPORT NAME: ZAMPERINI FIELD			FACILITY IDENTIFIER: LAX		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 11L, AMDT 16 15 SEPTEMBER 2016				SUP AMDT 15A DATE 05/29/2014						



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

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NOTES, (CONT.):**INCREASE S-11L CAT A VISIBILITY AND CIRCLING CAT C VISIBILITY 1/4 SM.****CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SMO VORTAC ON T245-247-249 NORTHWEST BOUND.****CHART NOTE: RWY 11L HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.**

QUALITY
25
CHECKED

CITY AND STATE

TORRANCE, CA

ELEVATION: 103**TDZE: 96**

AIRPORT NAME:

ZAMPERINI FIELD

FACILITY
IDENTIFIER:

LAX

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 11L, AMDT 16

15 SEPTEMBER 2016

SUP:

AMDT: **15A**DATED: **05/29/2014**

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						
FIM VORTAC		ZIDOM/VNY VOR/DME 14.68 DME		052.68 / 15.38				6000		CLIMB TO CROSS VNY 1.50 DME SOUTH OF VNY VOR/DME AT OR BELOW 1750 THEN CLIMBING LEFT TURN TO 4600 ON VNY VOR/DME R-152 TO HIRVI/VNY VOR/DME 8.03 DME, DIRECT SMO VOR/DME THEN ON SMO VOR/DME R-267 THEN ON VTU VOR/DME R-087 TO VTU VOR/DME AND HOLD.						
VNY VOR/DME		ZIDOM/VNY VOR/DME 14.68 DME		324.69 / 14.72				6000								
ZIDOM/VNY VOR/DME 14.68 DME (IAF)		UMBER INT/VNY VOR/DME 15.40 DME		052.68 / 4.21 (FIM R-053) (VNY LR-332)				6000		ADDITIONAL FLIGHT DATA: HOLD NW, LT, 130.63 INBOUND. 2161 AAO 340743N/1183046W CHART AT OR BELOW 1750 AT VNY 1.5 DME SOUTH OF VNY VOR/DME. CHART BURBANK AIRPORT.						
UMBER INT/VNY VOR/DME 15.40 DME (IF)		JINAT/VNY VOR/DME 11.40 DME		163.51 / 4.02 (I-VNY)				4900								
JINAT/VNY VOR/DME 11.40 DME		FURRY/VNY VOR/DME 7.42 DME		163.51 / 3.98 (I-VNY)				3800								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. PROFILE STARTS AT UMBER INT/VNY VOR/DME 15.40 DME																
3. FAC: 163.51 FAF: _____ DIST FAF TO MAP: _____ THLD: _____																
4. MIN. ALT: UMBER 6000, JINAT 4900, FURRY 3800																
5. DIST TO THLD FROM OM: 7.96 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 901																
6. MIN GS INCPT: 3800 GS ALT AT: FURRY 3800 OM: - MM: - IM: -																
7. GS ANGLE: 3.50 TCH: 48.7																
8. MSA FROM: VNY VOR/DME 005-095 9300, 095-185 4400, 185-275 6200, 275-005 7300										MAG VAR: 12E			EPOCH YEAR: 2020			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		ILS: 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 16R		1095	4000	302	1095	4000	302	1095	4000	302	1095	4000	302			
NOTES: CHART NOTE: DME REQUIRED. RADAR REQUIRED FOR MONITORING OF MISSED APPROACH. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BURBANK ALTIMETER SETTING AND INCREASE DA TO 1114. CHART NOTE: RWY 16R HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED. (CONTINUED ON PAGE 2)																
CITY AND STATE VAN NUYS, CA		ELEVATION: 802 TDZE: 793 AIRPORT NAME: VAN NUYS		FACILITY IDENTIFIER: I-VNY		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS Z RWY 16R, AMDT 1 15 SEPTEMBER 2016						SUP: AMDT: ORIG DATED 07/21/2016				



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

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NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 16R ALL CATS VISIBILITY TO RVR 5000.
CHART PLANVIEW NOTE: A DESCENT TO AT OR BELOW 1750 MAY BE REQUIRED WHEN EXECUTING AN EARLY MISSED APPROACH.



CITY AND STATE VAN NUYS, CA	ELEVATION: 802 AIRPORT NAME: VAN NUYS	TDZE: 793	FACILITY IDENTIFIER: I-VNY	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS Z RWY 16R, AMDT 1 15 SEPTEMBER 2016	SUP:
					AMDT: ORIG
					DATED: 07/21/2016

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.												
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ILS: DA LOC: 3.99 NM AFTER INESS OM/I-BUL 6.12 DME/RADAR OR AT I-BUL 2.13 DME FIX CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT VKZ VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000. <u>ALTERNATE MA (DO NOT CHART):</u> CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 ON DHP VORTAC R-109 TO ZEPOM/DHP 10.90 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD SE, LT, 300.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E ZEPOM/DHP 10.90 DME, LT, 289.22 INBOUND. FAS OBST: 214 AAO 254700N/0802233W CHART 271 TOWER 254623N/0802513W. CHART VDP AT 3.38 DME* DISTANCE VDP TO THLD 1.25 NM. *LOC ONLY.						
GRITT/I-BUL 11.11 DME/RADAR (IF)		INESS OM/I-BUL 6.12 DME/RADAR		092.38 / 4.99 (I-BUL)				1500								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT GRITT 3. FAC: 092.38 FAF: INESS OM/I-BUL 6.12 DME/RADAR DIST FAF TO MAP: 3.99 THLD: 3.99 4. MIN. ALT: GRITT 3000, INESS OM 1500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1071 6. MIN GS INCPT: 1500 GS ALT AT: _____ OM: 1347 MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 56.0 8. MSA FROM: DHP VORTAC 090-270 2900, 270-090 2100										MAG VAR: 5W 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 09**		207	2400	200	207	2400	200	207	2400	200	207	2400	200	207	2400	200
S-LOC 09		480	2400	473	480	2400	473	480	5000	473	480	5000	473	480	5000	473
CIRCLING			NA			NA			NA			NA			NA	
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART PLANVIEW NOTE: CAUTION: LIGHTS ON HIGHWAY 1/4 MILE SOUTH OF FINAL APPROACH COURSE MAY BE (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 9 TDZE: 7		FACILITY IDENTIFIER: I-BUL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:						
MIAMI, FL		AIRPORT NAME:		MIAMI INTL		ILS OR LOC RWY 9, AMDT 10				AMDT: 9D						
						15 SEPTEMBER 2016				DATED 12/11/2014						

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS - STANDARD
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MISSED APPROACH INSTRUCTIONS, (CONT.):

3000. (DME REQUIRED).

NOTES, (CONT.):

MISTAKEN FOR RUNWAY.

CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 9 CAT E VISIBILITY TO RVR 4000 AND S-LOC 9 CAT C/D/E VISIBILITY TO 1 3/8 SM.

CITY AND STATE

MIAMI, FL

ELEVATION: 9

TDZE: 7

AIRPORT NAME:

MIAMI INTL

FACILITY
IDENTIFIER:
I-BUL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
ILS OR LOC RWY 9, AMDT 10
15 SEPTEMBER 2016

SUP:

AMDT: 9D

DATED: 12/11/2014

QUALITY
18
CHECKED

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: 4.35 NM AFTER CAPOK LOM/PIE 5.33 DME/RADAR CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 1700 ON PIE VORTAC R-276 TO LAFAL INT/PIE 8.00 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 ON HEADING 173 AND ON SRQ VOR/DME R-353 TO JRGAL INT/SRQ 11.00 DME AND HOLD N, RT, 172.92 INBOUND. ADDITIONAL FLIGHT DATA: HOLD W, RT, 096.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD N JRGAL INT/SRQ 11.00 DME, RT, 172.92 INBOUND. CHART FAS OBST: 26 BUSH 275524N/0824134W CHART 307 TOWER 280000N/0824200W. CHART IN PLANVIEW: JRGAL INT/SRQ 11.00 DME. CHART CIRCLING ICON. **USE DME FROM PIE VORTAC. CHART (CFBBD) AT INTERSECTION OF (DARBS) DR LEG AND INTERMEDIATE COURSE.											
PIE VORTAC				CAPOK LOM/PIE VORTAC 5.33 DME/RADAR				354.22 / 5.33				1700													
DARBS/PIE 19.97 DME/RADAR (IAF)				ZEPUM/PIE 12.00 DME/RADAR (NOPT)				106.31 / 7.11 (HDG) & 176.29 / 4.31 (I-PIE)				2600													
WIPSO/PIE 18.00 DME/RADAR (IAF)				ZEPUM/PIE 12.00 DME/RADAR				176.30 / 6.00 (I-PIE)				2600													
ZEPUM/PIE 12.00 DME/RADAR (IF)				CAPOK LOM/PIE 5.33 DME/RADAR				176.30 / 6.67 (I-PIE)				1500													
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N CAPOK LOM, RT, 176.30 INBOUND, 1700 FT. IN LIEU OF PT (FAF/IAF) 3. FAC: <u>176.30</u> FAF: <u>CAPOK LOM/PIE VORTAC 5.33 DME/RADAR</u> DIST FAF TO MAP: <u>4.35</u> THLD: <u>4.35</u> 4. MIN. ALT: <u>CAPOK LOM 1500, JINPI 440*</u> 5. DIST TO THLD FROM OM: <u>4.35</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>1500</u> GS ALT AT: <u>-</u> OM: <u>1460</u> MM: <u>-</u> IM: <u>-</u> 7. GS ANGLE: <u>3.00</u> TCH: <u>52.7</u> 8. MSA FROM: <u>PIE VORTAC 2700</u>																MAG VAR: 5W				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 18	207	1800	200	207	1800	200	207	1800	200	207	1800	200	207	1800	200										
S-LOC 18	440	2400	433	440	2400	433	440	4000	433	440	4000	433	440	4000	433										
CIRCLING	520	1	509	520	1	509	640	1 3/4	629	680	2	669	960	3	949										
JINPI FIX MINIMUMS**																									
S-LOC 18	280	2400	273	280	2400	273	280	2400	273	280	2400	273	280	2400	273										
CIRCLING	520	1	509	520	1	509	640	1 3/4	629	680	2	669	960	3	949										
NOTES: <u>SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED;</u> S-ILS 18: CAT A, B, C, D, RA 157, RVR 1400, HAT 150, DA 157 MSL. <u>CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED;</u> S-ILS 18: CAT A, B, C, D, RA 107, RVR 1200, HAT 100, DA 107 MSL. (CONTINUED ON PAGE 2)																									
CITY AND STATE				ELEVATION: 11 TDZE: 7				FACILITY IDENTIFIER: I-PIE				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: 4									
ST PETERSBURG-CLEARWATER, FL				AIRPORT NAME:								ILS OR LOC RWY 18, ORIG; ILS RWY 18 (SA CAT I), ILS RWY 18 (CAT II)				AMDT: NONE									
				ST PETE-CLEARWATER INTL								15 SEPTEMBER 2016				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.		
NOTES, (CONT.): CHART PROFILE NOTE: USE PIE VORTAC DME WHEN ON THE LOCALIZER COURSE. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *LOC ONLY CHART PLANVIEW NOTE: RADAR REQUIRED FOR CAT E. CHART PLANVIEW NOTE: COURSE REVERSAL AT CAPOK NA FOR CAT E AIRCRAFT. SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH. CAT II CHART NOTE: REDUCED LIGHTING: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL OF AUTOLAND OR HUD TO TOUCHDOWN. CHART NOTE: S- ILS R18 NA WHEN CONTROL TOWER CLOSED. CHART NOTE: SA CATEGORY I S-ILS R18 NA WHEN CONTROL TOWER CLOSED. CHART NOTE: CATEGORY II S-ILS R18 NA WHEN CONTROL TOWER CLOSED. CHART NOTE: FOR INOPERATIVE MALSR, INCREASE S-ILS 18 CAT E VISIBILITY TO RVR 4000 AND S-LOC 18 CAT A/B TO RVR 5500 AND C/D/E VISIBILITY TO 1 1/4 MILE. CHART NOTE: JINPI FIX MINIMUMS: FOR INOPERATIVE MALSR INCREASE S-LOC 18 CAT C, D, AND E VISIBILITY TO RVR 4500. CHART NOTE: DME, RADAR, OR ADF REQUIRED. CHART PLANVIEW NOTE: DME, RADAR, OR ADF REQUIRED.					
CITY AND STATE ST PETERSBURG-CLEARWATER, FL	ELEVATION: 11 AIRPORT NAME: ST PETE-CLEARWATER INTL	TDZE: 7	FACILITY IDENTIFIER: I-PIE	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 18, ORIG; ILS RWY 18 (SA CAT I) , ILS RWY 18 (CAT II) 15 SEPTEMBER 2016	SUP: QUALITY 4
					AMDT: CHECKED NONE
					DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ILS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.		
ARINC SUMMARY - KPIE														
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
DARBS	010	DARBS	IF	FB										E A
DARBS	020	CFBBD	TF	FB								AA 02600		E
DARBS	030	ZEPUM	CF	FB		176.3	IPIE					AA 02600		EE B
PIE	010	PIE	IF	FB										V
PIE	020	CAPOK	TF	FO								AA 01700		EY
PIE	030	CAPOK	HF	FO		176.3	PIE		R			AA 01700		EE A
WIPSO	010	WIPSO	IF	FB										E A
WIPSO	020	ZEPUM	CF	FB		176.3	IPIE					AA 02600		EE B
	010	ZEPUM	IF	FB			IPIE					AA 02600	GI 01500	E I
	020	CAPOK	CF	FB		176.0	IPIE	3.00		PIE		GI 01500	GS 01460	E F
	030	RW18	CF	FO		176.0	IPIE	3.00				AT 00059		GY M
	040		CA	FB		176.3						AA 00600		M
	050	LAFAL	CF	FO		276.0	PIE		R			AA 01700		EY
	060	LAFAL	HM	FO		096.0			R			AA 01700		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
PIE			N275427.95			W0824103.51								
DARBS			N281159.97			W0825157.11								
LAFAL			N275436.05			W0825005.24								
CAPOK			N275942.79			W0824211.05								
CFBBD			N281035.87			W0824403.84								
WIPSO			N281216.45			W0824421.23								
ZEPUM			N280619.65			W0824319.54								
IPIE (LOC)			N275343.18			W0824109.15								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH			
RW18		N275524.29			W0824126.54			00007			52.7			

CITY AND STATE ST PETERSBURG-CLEARWATER, FL	ELEVATION: 11 TDZE: 7 AIRPORT NAME: ST PETE-CLEARWATER INTL	FACILITY IDENTIFIER: I-PIE	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 18, ORIG; ILS RWY 18 (SA CAT I), ILS RWY 18 (CAT II) 15 SEPTEMBER 2016	SUP: AMDT: NONE DATED:
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.		
ARINC SUMMARY - KPIE														
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
DARBS	010	DARBS	IF	FB										E A
DARBS	020	CFBBD	TF	FB								AA 02600		E
DARBS	030	ZEPUM	CF	FB		176.3	IPIE					AA 02600		EE B
PIE	010	PIE	IF	FB										V
PIE	020	CAPOK	TF	FO								AA 01700		EY
PIE	030	CAPOK	HF	FO		176.3	PIE		R			AA 01700		EE A
WIPSO	010	WIPSO	IF	FB										E A
WIPSO	020	ZEPUM	CF	FB		176.3	IPIE					AA 02600		EE B
	010	ZEPUM	IF	FB			IPIE					AA 02600		E I
	020	CAPOK	CF	FB		176.0	IPIE			PIE		AA 01500		E F
	021	JINPI	CF	FB		176.0	IPIE	3.13				AA 00440		E S
	030	RW18	CF	FO		176.0	IPIE	3.13				AT 00059		GY M
	040		CA	FB		176.3						AA 00600		M
	050	LAFAL	CF	FO		276.0	PIE		R			AA 01700		EY
	060	LAFAL	HM	FO		096.0			R			AA 01700		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
PIE			N275427.95			W0824103.51								
DARBS			N281159.97			W0825157.11								
LAFAL			N275436.05			W0825005.24								
CAPOK			N275942.79			W0824211.05								
CFBBD			N281035.87			W0824403.84								
JINPI			N275647.55			W0824140.87								
WIPSO			N281216.45			W0824421.23								
ZEPUM			N280619.65			W0824319.54								
IPIE (LOC)			N275343.18			W0824109.15								
RUNWAYS														
RUNWAY			THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH		
RW18			N275524.29			W0824126.54			00007			52.7		

QUALITY
15
CHECKED

CITY AND STATE ST PETERSBURG-CLEARWATER, FL	ELEVATION: 11 TDZE: 7 AIRPORT NAME: ST PETE-CLEARWATER INTL	FACILITY IDENTIFIER: I-PIE	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 18, ORIG; ILS RWY 18 (SA CAT I), ILS RWY 18 (CAT II) 15 SEPTEMBER 2016	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		LPV: DA LNAV/VNAV: DA LNAV: RW04 CLIMB TO 2000 DIRECT UNIKE AND LEFT TURN ON TRACK 288.35 TO PZD VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 057.65 INBOUND. CHART FAS OBST: 300 TOWER 313057N/0841219W CHART FAS OBST: 319 TREE 313057N/0841309W DISTANCE TO THLD FROM 200 HAT: 0.44 NM. CHART VDP AT 1.03 NM TO RW04* *LNAV ONLY. WAAS CHANNEL # 78000 REFERENCE PATH ID: W04A LTP HAE: 32.6 M								
PZD VOR/DME		JIPVO (FB)		210.22 / 15.01			2200										
JIPVO (IAF)		NOGPE (FB)		133.99 / 5.00			2200										
ELMOE (IAF)		NOGPE (FB)		342.43 / 5.91			2200										
NOGPE (IF)		ZITIR (FB)		044.03 / 6.19			2200										
ZITIR (FAF)		RW04 (MAP) (FO)		044.07 / 6.00													
RW04 (MAP)		396 MSL		044.07													
396 MSL		UNIKE (FB)															
UNIKE		PZD VOR/DME (FO)		288.35 / 9.53			2000										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT NOGPE _____ 3. FAC: 044.07 FAF: ZITIR _____ DIST FAF TO MAP: 6.01 THLD: 6.01 4. MIN. ALT: NOGPE 2200, ZITIR 2200 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2200 GS ALT AT: ZITIR _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 59.6 34:1 IS CLEAR 8. MSA FROM: RW04 2600										MAG VAR: 2W		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	396	2400	200	396	2400	200	396	2400	200	396	2400	200					
LNAV/VNAV DA	635	5000	439	635	5000	439	635	5000	439	635	5000	439					
LNAV MDA	580	2400	384	580	2200	384	580	2400	384	580	5000	384					
CIRCLING	640	1	444	660	1	464	660	1 1/2	464	940	2 1/2	744					
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ CAT D 800-2 1/2 CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: FOR INOPERATIVE MALSR INCREASE LNAV CAT D VISIBILITY TO RVR 6000. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PZD VOR/DME VIA V35-159 NORTHBOUND.																	
CITY AND STATE ALBANY, GA		ELEVATION: 196 TDZE: 196 AIRPORT NAME: SOUTHWEST GEORGIA RGNL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1A 15 SEPTEMBER 2016					SUP: AMDT: 1 DATED 08/27/2009					

**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	KABY
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	313146.5565N
LTP/FTP LONGITUDE	0841159.0085W
LTP/FTP ELLIPSOIDAL HEIGHT	+00326
FPAP LATITUDE	313235.0200N
FPAP LONGITUDE	0841107.8700W
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	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 4E359B61

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00596
FPAP ORTHOMETRIC HEIGHT	+00596

CITY AND STATE
ALBANY, GA

ELEVATION: 196 TDZE: 196
AIRPORT NAME:
SOUTHWEST GEORGIA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 4, AMDT 1A
15 SEPTEMBER 2016

SUP: **QUALITY
24
CHECKED**
AMDT: 1
DATED: 08/27/2009

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 - KABY 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
ELMOE	010	ELMOE	IF	FB										E A
ELMOE	020	NOGPE	TF	FB	1.0	342.4						AA 02200		EE B
PZD	010	PZD	IF	FB										V
PZD	020	JIPVO	TF	FB	2.0	210.2						AA 02200		E A
PZD	030	NOGPE	TF	FB	1.0	134.0						AA 02200		EE B
	010	NOGPE	IF	FB								AA 02200		E I
	020	ZITIR	TF	FB	1.0	044.0				RW04		AA 02200		E F
	030	RW04	TF	FO	0.3	044.1		3.00				AT 00255		GY M
	040		CA	FB		044.1						AA 00396		M
	050	UNIKE	DF	FB										E
	060	PZD	TF	FO	1.0	288.4			L			AA 02000		VY
	070	PZD	HM	FO		057.7			R			AA 02000		VE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
PZD			N313918.74			W0841734.16								
ELMOE			N311707.40			W0841913.73								
JIPVO			N312603.19			W0842552.85								
NOGPE			N312241.97			W0842132.39								
UNIKE			N313637.69			W0840651.49								
ZITIR			N312718.54			W0841641.53								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH			
RW04		N313146.56			W0841159.01			00196			59.6			

QUALITY
24
CHECKED

CITY AND STATE ALBANY, GA	ELEVATION: 196 TDZE: 196 AIRPORT NAME: SOUTHWEST GEORGIA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 4, AMDT 1A 15 SEPTEMBER 2016	SUP: AMDT: 1 DATED: 08/27/2009
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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: RW16 CLIMB TO 3000 DIRECT TUPGE AND ON TRACK 223.31 TO ELMOE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 185.64 INBOUND. CHART FAS OBST: 635 TOWER 313441N/0841106W CHART FAS OBST: 297 TREE 313243N/0841145W DISTANCE TO THLD FROM 338 HAT: 0.90 NM. WAAS CHANNEL # 48815 REFERENCE PATH ID: W16A CHART: 747 TOWER 313741N/0841145W LTP HAE: 32.1 M					
PZD VOR/DME		WETVO (FO)		014.89 / 4.70				2000							
DESKS (IAF)		WETVO (NOPT) (FB)		218.95 / 7.60				2000							
KUTVE (IAF)		WETVO (NOPT) (FB)		133.50 / 12.21				2000							
BRONN (IAF)		WETVO (NOPT) (FB)		163.63 / 5.13				2000							
WETVO (IF/IAF)		ZOTIG (FB)		163.79 / 6.57				2000							
ZOTIG (FAF)		RW16 (MAP) (FO)		163.79 / 5.42						MAG VAR: 2W EPOCH YEAR: 1985					
RW16 (MAP)		534 MSL		163.79											
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD N WETVO, RT, 163.79 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 163.79 FAF: ZOTIG DIST FAF TO MAP: 5.42 THLD: 5.42 4. MIN. ALT: WETVO 2000, ZOTIG 2000 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: ZOTIG OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 52.4 34:1 IS NOT CLEAR 8. MSA FROM: RW16 2600															
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	534	1 1/4	338	534	1 1/4	338	534	1 1/4	338	534	1 1/4	338			
LNAV/VNAV DA	603	1 1/2	407	603	1 1/2	407	603	1 1/2	407	603	1 1/2	407			
LNAV MDA	640	1	444	640	1	444	640	1 1/4	444	640	1 1/2	444			
CIRCLING	640	1	444	660	1	464	660	1 1/2	464	940	2 1/2	744			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ CAT D 800-2 1/2 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PZD VOR/DME VIA V5 SOUTHWEST BOUND. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.															
CITY AND STATE ALBANY, GA		ELEVATION: 196 TDZE: 196 AIRPORT NAME: SOUTHWEST GEORGIA RGNL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 16, AMDT 1A 15 SEPTEMBER 2016				SUP: AMDT: 1 DATED 08/27/2009			

QUALITY
 24
 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
534 MSL	TUPGE (FB)		
TUPGE	ELMOE (FO)	223.31 / 12.41	3000

CITY AND STATE
ALBANY, GA

ELEVATION: 196 TDZE: 196
AIRPORT NAME:
SOUTHWEST GEORGIA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 16, AMDT 1A
15 SEPTEMBER 2016

SUP: 24
AMDT: 1
DATED: 08/27/2009

QUALITY
24
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	KABY
RUNWAY	RW16
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	313228.6690N
LTP/FTP LONGITUDE	0841158.0360W
LTP/FTP ELLIPSOIDAL HEIGHT	+00321
FPAP LATITUDE	313103.8400N
FPAP LONGITUDE	0841125.5000W
THRESHOLD CROSSING HEIGHT (TCH)	00052.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1160
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 4B7B5E77

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00592
FPAP ORTHOMETRIC HEIGHT	+00592

CITY AND STATE
ALBANY, GA

ELEVATION: 196 TDZE: 196
AIRPORT NAME:
SOUTHWEST GEORGIA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 16, AMDT 1A
15 SEPTEMBER 2016

SUP: **QUALITY
24
CHECKED**
AMDT: 1
DATED: 08/27/2009

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 - KABY 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
BRONN	010	BRONN	IF	FB										E A
BRONN	020	WETVO	TF	FB	1.0	163.6						AA 02000		EE B
DESKS	010	DESKS	IF	FB										E A
DESKS	020	WETVO	TF	FB	1.0	219.0						AA 02000		EE B
KUTVE	010	KUTVE	IF	FB										E A
KUTVE	020	WETVO	TF	FB	1.0	133.5						AA 02000		EE B
PZD	010	PZD	IF	FB										V
PZD	020	WETVO	TF	FO	2.0	014.9						AA 02000		EY
PZD	030	WETVO	HF	FO		163.8			R			AA 02000		EE A
	010	WETVO	IF	FB								AA 02000		E I
	020	ZOTIG	TF	FB	1.0	163.8				RW16		AA 02000		E F
	030	RW16	TF	FO	0.3	163.8		3.00				AT 00247		GY M
	040		CA	FB		163.8						AA 00534		M
	050	TUPGE	DF	FB										E
	060	ELMOE	TF	FO	1.0	223.3						AA 03000		EY
	070	ELMOE	HM	FO		185.6			R			AA 03000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
PZD			N313918.74			W0841734.16								
BRONN			N314846.91			W0841815.18								
DESKS			N314959.21			W0841100.17								
ELMOE			N311707.40			W0841913.73								
KUTVE			N315201.02			W0842704.69								
TUPGE			N312628.38			W0840940.02								
WETVO			N314354.09			W0841621.40								
ZOTIG			N313738.53			W0841357.04								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH			
RW16		N313228.67			W0841158.04			00194			52.4			

QUALITY
24
CHECKED

CITY AND STATE ALBANY, GA	ELEVATION: 196	TDZE: 196	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 16, AMDT 1A 15 SEPTEMBER 2016	SUP:
	AIRPORT NAME: SOUTHWEST GEORGIA RGNL				AMDT: 1
					DATED: 08/27/2009

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: RW22 CLIMB TO 3000 DIRECT ZITIR AND ON TRACK 194.07 TO ELMOE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, RT, 185.64 INBOUND. CHART FAS OBST: 425 TOWER 313455N/0840931W CHART FAS OBST: 329 OL ON TANK 313325N/0841044W CHART 681 TOWER 313613N/0840854W. DISTANCE TO THLD FROM 339 HAT: 0.91 NM. WAAS CHANNEL # 53613 REFERENCE PATH ID: W22A LTP HAE: 30.5 M												
PZD VOR/DME				JEVMA (FB)				057.65 / 11.02				2000														
JEVMA (IAF)				WAVKA (FB)				134.13 / 6.00				2000														
WAVKA (IF)				UNIKE (FB)				224.19 / 6.56				2000														
UNIKE (FAF)				GUKDE/2.70 NM TO RW22 (FB)				224.15 / 2.74																		
GUKDE/2.70 NM TO RW22				RW22 (MAP) (FO)				224.15 / 2.70																		
RW22 (MAP)				531 MSL				224.15																		
(SEE FORM 8260-10)																										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT WAVKA 3. FAC: 224.15 FAF: UNIKE DIST FAF TO MAP: 5.44 THLD: 5.44 4. MIN. ALT: WAVKA 2000, UNIKE 2000, GUKDE/2.70 NM TO RW22 1100* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: UNIKE OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 52.0 34:1 IS NOT CLEAR 8. MSA FROM: RW22 2600																	MAG VAR: 2W 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	DH/MDA	VIS	HAT/HAA								
LPV DA	531	1 1/4	339	531	1 1/4	339	531	1 1/4	339	531	1 1/4	339	531	1 1/4	339											
LNAV/VNAV DA	611	1 1/2	419	611	1 1/2	419	611	1 1/2	419	611	1 1/2	419	611	1 1/2	419											
LNAV MDA	680	1	488	680	1	488	680	1 1/4	488	680	1 1/2	488														
CIRCLING	680	1	484	680	1	484	680	1 1/2	484	940	2 1/2	744														
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 48C (118F). @ CAT D 800-2 1/2 CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PZD VOR/DME AIRWAY RADIALS 359 CW 110. CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.																										
CITY AND STATE				ELEVATION: 196 TDZE: 192				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:										
ALBANY, GA				AIRPORT NAME:								RNAV (GPS) RWY 22, AMDT 1A				AMDT: 1										
				SOUTHWEST GEORGIA RGNL								15 SEPTEMBER 2016				DATED 08/27/2009										

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

QUALITY
24
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	KABY
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	313235.0245N
LTP/FTP LONGITUDE	0841107.8675W
LTP/FTP ELLIPSOIDAL HEIGHT	+00305
FPAP LATITUDE	313128.7700N
FPAP LONGITUDE	0841217.7700W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0736
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 A3EB516F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00576
FPAP ORTHOMETRIC HEIGHT	+00576

CITY AND STATE
ALBANY, GA

ELEVATION: 196 TDZE: 192
AIRPORT NAME:
SOUTHWEST GEORGIA RGNL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 22, AMDT 1A
15 SEPTEMBER 2016

SUP: **QUALITY
24
CHECKED**
AMDT: 1
DATED: 08/27/2009

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 - KABY														
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
PZD	010	PZD	IF	FB										V
PZD	020	JEVMA	TF	FB	2.0	057.7						AA 02000		E A
PZD	030	WAVKA	TF	FB	1.0	134.1						AA 02000		EE B
	010	WAVKA	IF	FB								AA 02000		E I
	020	UNIKE	TF	FB	1.0	224.2				RW22		AA 02000		E F
	021	GUKDE	TF	FB	0.3	224.2		3.00				AA 01100 GS 01108		E S
	030	RW22	TF	FO	0.3	224.2		3.00				AT 00241		GY M
	040		CA	FB		224.2						AA 00531		M
	050	ZITIR	DF	FB										E
	060	ELMOE	TF	FO	1.0	194.1						AA 03000		EY
	070	ELMOE	HM	FO		185.6			R			AA 03000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
PZD			N313918.74			W0841734.16								
ELMOE			N311707.40			W0841913.73								
GUKDE			N313435.44			W0840900.71								
JEVMA			N314532.15			W0840654.97								
UNIKE			N313637.69			W0840651.49								
WAVKA			N314129.97			W0840142.00								
ZITIR			N312718.54			W0841641.53								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE				THRESHOLD LONGITUDE				THRESHOLD ELEVATION			PROCEDURE TCH	
RW22		N313235.02				W0841107.87				00189			52.0	

QUALITY
24
CHECKED

CITY AND STATE ALBANY, GA	ELEVATION: 196	TDZE: 192	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: SOUTHWEST GEORGIA RGNL		RNAV	RNAV (GPS) RWY 22, AMDT 1A	1
				15 SEPTEMBER 2016	DATED: 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		LPV: DA LNAV/VNAV: DA LNAV: RW34 CLIMB TO 2000 DIRECT YEGUN AND 2000 ON TRACK 321.21 TO PZD VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 057.65 INBOUND. CHART FAS OBST: 293 TREE 313046N/0841121W CHART FAS OBST: 299 TREE 313042N/0841104W DISTANCE TO THLD FROM 279 HAT: 0.74 NM. WAAS CHANNEL # 97415 REFERENCE PATH ID: W34A LTP HAE: 32.4 M									
ZEBEB (IAF)		OPVUE (NOPT) (FB)		058.77 / 12.51				2000											
HARKE (IAF)		OPVUE (NOPT) (FB)		344.23 / 16.46				2000											
OPVUE (IF/IAF)		FESUS (FB)		343.87 / 6.47				2000											
FESUS (FAF)		OZCOK/2.90 NM TO RW34 (FB)		343.84 / 2.63															
OZCOK/2.90 NM TO RW34		RW34 (MAP) (FO)		343.84 / 2.90															
RW34 (MAP)		475 MSL		343.84															
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S OPVUE, LT, 343.87 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 343.84 FAF: FESUS DIST FAF TO MAP: 5.53 THLD: 5.53 4. MIN. ALT: OPVUE 2000, FESUS 2000, OZCOK/2.90 NM TO RW34 1160* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2000 GS ALT AT: FESUS 2000 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 44.0 34:1 IS NOT CLEAR 8. MSA FROM: RW34 2600																MAG VAR: 2W		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	495	1	299	495	1	299	495	1	299	495	1	299							
LNAV/VNAV DA	475	1	279	475	1	279	475	1	279	475	1	279							
LNAV MDA	560	1	364	560	1	364	560	1	364	560	1	364							
CIRCLING	640	1	444	660	1	464	660	1 1/2	464	940	2 1/2	744							
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -7C (19F) OR ABOVE 54C (130F). @ CAT D 800-2 1/2 CHART NOTE: DME/DME RNP-0.3 NA. *LNAV ONLY CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT HARKE ON V35-159 SOUTHBOUND. (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 196 TDZE: 196		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
ALBANY, GA		AIRPORT NAME:		SOUTHWEST GEORGIA RGNL		RNAV (GPS) RWY 34, AMDT 2A				AMDT: 2									
						15 SEPTEMBER 2016				DATED 05/02/2013									



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
475 MSL	YEGUN (FB)		
YEGUN	PZD VOR/DME (FO)	321.21 / 6.31	2000

NOTES, (CONT.):

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

CHART NOTE: PROCEDURE NA AT NIGHT.

QUALITY
24
CHECKED

CITY AND STATE ALBANY, GA	ELEVATION: 196 AIRPORT NAME: SOUTHWEST GEORGIA RGNL	TDZE: 196	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, AMDT 2A 15 SEPTEMBER 2016	SUP:
					AMDT: 2
					DATED: 05/02/2013

**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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KABY
RUNWAY	RW34
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	313139.5960N
LTP/FTP LONGITUDE	0841139.2170W
LTP/FTP ELLIPSOIDAL HEIGHT	+00324
FPAP LATITUDE	313304.4300N
FPAP LONGITUDE	0841211.7500W
THRESHOLD CROSSING HEIGHT (TCH)	00044.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1160
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 E3C2EC71

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00594
FPAP ORTHOMETRIC HEIGHT	+00594

QUALITY
24
CHECKED

CITY AND STATE ALBANY, GA	ELEVATION: 196 AIRPORT NAME: SOUTHWEST GEORGIA RGNL	TDZE: 196 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 34, AMDT 2A 15 SEPTEMBER 2016	SUP:
				AMDT: 2
				DATED: 05/02/2013

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 - KABY

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
HARKE	010	HARKE	IF	FB										E A
HARKE	020	OPVUE	TF	FB	1.0	344.2						AA 02000		EE B
OPVUE	010	OPVUE	HF	FO		343.9			L			AA 02000		EE A
ZEBEB	010	ZEBEB	IF	FB										E A
ZEBEB	020	OPVUE	TF	FB	1.0	058.8						AA 02000		EE B
	010	OPVUE	IF	FB								AA 02000		E I
	020	FESUS	TF	FB	1.0	343.9				RW34		AA 02000		E F
	021	OZCOK	TF	FB	0.3	343.8		3.00				AA 01160 GS 01163		E S
	030	RW34	TF	FO	0.3	343.8		3.00				AT 00239		GY M
	040		CA	FB		343.8						AA 00475		M
	050	YEGUN	DF	FB										E
	060	PZD	TF	FO	1.0	321.2						AA 02000		VY
	070	PZD	HM	FO		057.7			R			AA 02000		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
PZD	N313918.74	W0841734.16
HARKE	N310431.76	W0840125.22
FESUS	N312623.67	W0840938.21
OPVUE	N312014.07	W0840717.09
OZCOK	N312853.92	W0841035.73
YEGUN	N313431.56	W0841245.15
ZEBEB	N311322.24	W0841930.38

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW34	N313139.60	W0841139.22	00195	44

QUALITY
24
CHECKED

CITY AND STATE ALBANY, GA	ELEVATION: 196 TDZE: 196	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 34, AMDT 2A 15 SEPTEMBER 2016	SUP:
	AIRPORT NAME: SOUTHWEST GEORGIA RGNL			AMDT: 2
				DATED: 05/02/2013

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: RW25 CLIMB TO 1600 THEN CLIMBING LEFT TURN TO 3000 DIRECT TUCKR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 325.00 INBOUND. CHART FAS OBST: 1219 TREE 335951N/0835604W FAS OBST: 1279 AAO 340123N/0835234W DISTANCE TO THLD FROM 200 HATH: 0.48 NM. CHART VDP AT 1.45 NM TO RW25* *LNAV ONLY. WAAS CHANNEL # 82021 REFERENCE PATH ID: W25A LTP HAE: 284.8 M									
MACEY		JELEX (FB)		189.58 / 11.08		3700											
JRAMS		ZILOX (FB)		020.39 / 26.30		3000											
AHN VOR/DME		ZILOX (FB)		274.08 / 15.47		3000											
JELEX (IAF)		JOKLI (FB)		203.71 / 5.00		3000											
ZILOX (IAF)		JOKLI (FB)		330.75 / 9.20		3000											
JOKLI (IF)		ATUDE (FB)		248.81 / 6.55		2800											
ATUDE (FAF)		RW25 (MAP) (FO)		248.75 / 5.40													
(SEE FORM 8260-10)																	
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. PROFILE STARTS AT JOKLI																	
3. FAC: 248.75 FAF: ATUDE DIST FAF TO MAP: 5.40 THLD: 5.40																	
4. MIN. ALT: JOKLI 3000, ATUDE 2800																	
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																	
6. MIN GS INCPT: 2800 GS ALT AT: ATUDE 2800 OM: _____ MM: _____ IM: _____																	
7. GS ANGLE: 3.00 TCH: 48.0 34:1 IS NOT CLEAR																	
8. MSA FROM: RW25 3700																	
MAG VAR: 5W 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		1238	1/2	200	1238	1/2	200	1238	1/2	200	1238	1/2	200				
LNAV/VNAV DA		1544	1 1/4	506	1544	1 1/4	506	1544	1 1/4	506	1544	1 1/4	506				
LNAV MDA		1540	1/2	502	1540	1/2	502	1540	1	502	1540	1	502				
CIRCLING		1640	1	578	1640	1	578	1640	1 1/2	578	1700	2	638				
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING WINDER ALTIMETER SETTING. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -17C (2F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MACEY ON V222 NORTHEAST BOUND. (CONTINUED ON PAGE 2)																	
CITY AND STATE LAWRENCEVILLE, GA		ELEVATION: 1062 TDZE: 1038 AIRPORT NAME: GWINNETT COUNTY - BRISCOE FIELD		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG-D 15 SEPTEMBER 2016		SUP: AMDT: ORIG-C DATED 07/21/2016									

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
RW25 (MAP)	1600 MSL	248.75	1600
1600 MSL	TUCKR (FO)		3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON AHN VOR/DME AIRWAY RADIALS 195 CW 340.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WINDER ALTIMETER SETTING AND INCREASE ALL DA 51 FT AND ALL MDA 60 FT; INCREASE LNAV/VNAV ALL CATS, LNAV CAT C/D AND CIRCLING CAT C/D VISIBILITY 1/4 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING WINDER ALTIMETER SETTING; INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 7/8 MILE AND LNAV CAT C/D VISIBILITY TO 1 5/8 MILE.

QUALITY
24
CHECKED

CITY AND STATE
LAWRENCEVILLE, GA

ELEVATION: 1062 TDZE: 1038
AIRPORT NAME:
GWINNETT COUNTY - BRISCOE FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 25, ORIG-D
15 SEPTEMBER 2016

SUP:
AMDT: ORIG-C
DATED: 07/21/2016

**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	KLZU
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	335854.2450N
LTP/FTP LONGITUDE	0835712.5840W
LTP/FTP ELLIPSOIDAL HEIGHT	+02848
FPAP LATITUDE	335814.6700N
FPAP LONGITUDE	0835848.6200W
THRESHOLD CROSSING HEIGHT (TCH)	00048.0
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)	35.0
 <u>CRC REMAINDER</u>	 F2B22A81

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+03143
FPAP ORTHOMETRIC HEIGHT	+03143

CITY AND STATE

LAWRENCEVILLE, GA

ELEVATION: 1062

TDZE: 1038

AIRPORT NAME:

GWINNETT COUNTY - BRISCOE FIELD

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25, ORIG-D

15 SEPTEMBER 2016

SUP:

AMDT:

DATED: 07/21/2016

 QUALITY
24
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 - KLZU 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
AHN	010	AHN	IF	FB										V
AHN	020	ZILOX	TF	FB	2.0	274.1						AA 03000		E A
AHN	030	JOKLI	TF	FB	1.0	330.8						AA 03000		EE B
JRAMS	010	JRAMS	IF	FB										E
JRAMS	020	ZILOX	TF	FB	2.0	020.4						AA 03000		E A
JRAMS	030	JOKLI	TF	FB	1.0	330.8						AA 03000		EE B
MACEY	010	MACEY	IF	FB										E
MACEY	020	JELEX	TF	FB	2.0	189.6						AA 03700		E A
MACEY	030	JOKLI	TF	FB	1.0	203.7						AA 03000		EE B
	010	JOKLI	IF	FB								AA 03000		E I
	020	ATUDE	TF	FB	1.0	248.8				RW25		AA 02800		E F
	030	RW25	TF	FO	0.3	248.8		3.00				AT 01079		GY M
	040		CA	FB		248.8						AA 01600		M
	050	TUCKR	DF	FO					L			AA 03000		EY
	060	TUCKR	HM	FO		325.0			R			AA 03000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
AHN			N335651.34			W0831929.13								
JRAMS			N333110.87			W0834628.28								
MACEY			N342000.25			W0834119.08								
TUCKR			N334508.67			W0835054.20								
ATUDE			N340118.06			W0835122.92								
JELEX			N340856.59			W0834223.06								
JOKLI			N340411.92			W0834418.89								
ZILOX			N335635.00			W0833804.89								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE			THRESHOLD LONGITUDE			THRESHOLD ELEVATION			PROCEDURE TCH			
RW25		N335854.25			W0835712.58			01031			48.0			

QUALITY
24
CHECKED

CITY AND STATE LAWRENCEVILLE, GA	ELEVATION: 1062 TDZE: 1038 AIRPORT NAME: WINNETT COUNTY - BRISCOE FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 25, ORIG D 15 SEPTEMBER 2016	SUP:	ORIG-C 07/21/2016	
				AMDT:		
				DATED:		

**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>
THOMSON, GA	THOMSON-MCDUFFIE COUNTY	15 SEPTEMBER 2016	2

TAKEOFF MINIMUMS:
STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 10, T-L TWR 178 FT FROM DER, 455 FT LEFT OF CENTERLINE, 35 FT AGL/529 FT MSL.
TREE, T-L TWR BEGINNING 382 FT FROM DER, 48 FT LEFT OF CENTERLINE, UP TO 592 FT MSL.
T-L TWR 669 FT FROM DER, 623 FT RIGHT OF CENTERLINE, 33 FT AGL/524 FT MSL.
T-L TWRS BEGINNING 686 FT FROM DER, 415 FT RIGHT OF CENTERLINE, UP TO 35 FT AGL/531 FT MSL.
T-L TWR 730 FT FROM DER, 626 FT RIGHT OF CENTERLINE, 40 FT AGL/532 FT MSL.
POLE 999 FT FROM DER, 618 FT RIGHT OF CENTERLINE, 60 FT AGL/553 FT MSL.
POLE, BLDG BEGINNING 1001 FT FROM DER, 539 FT RIGHT OF CENTERLINE, UP TO 556 FT MSL.
T-L TWR 1984 FT FROM DER, 333 FT RIGHT OF CENTERLINE, 91 FT AGL/580 FT MSL.
T-L TWR 2005 FT FROM DER, 428 FT RIGHT OF CENTERLINE, 99 FT AGL/588 FT MSL.
POLE, T-L TWR BEGINNING 2127 FT FROM DER, 942 FT RIGHT OF CENTERLINE, UP TO 589 FT MSL.

NOTE: RWY 28, TREE 200 FT FROM DER, 547 FT LEFT OF CENTERLINE, 477 FT MSL.
TREE 425 FT FROM DER, 521 FT LEFT OF CENTERLINE, 479 FT MSL.
TREES BEGINNING 453 FT FROM DER, 537 FT RIGHT OF CENTERLINE, UP TO 514 FT MSL.
TREE 757 FT FROM DER, 654 FT LEFT OF CENTERLINE, 503 FT MSL.
TREES BEGINNING 3899 FT FROM DER, 1121 FT LEFT OF CENTERLINE, UP TO 562 FT MSL.
TREE 4902 FT FROM DER, 1248 FT LEFT OF CENTERLINE, 578 FT MSL.
TREES BEGINNING 4902 FT FROM DER, 1180 FT LEFT OF CENTERLINE, UP TO 578 FT MSL.

CONTROLLING OBSTACLES:

REMARKS:
NEW OBSTACLE SURVEY

FLIGHT INSPECTED BY:

BLAKE SEARLES *Digitally signed by*
JULIE A MORGAN
Aug 02, 2016

OFFICE SYMBOL:

FICO

DATE:

07/29/2016

DEVELOPED BY:

STEVE BRUMMETT *Digitally signed by*
ADOLFO D URRUTIA
Jul 11, 2016

OFFICE SYMBOL:

AJV-5412

DATE:

24 MAY 2016

APPROVED BY:

MARLON ROBINSON *Digitally signed by*
ADOLFO D URRUTIA
Jul 11, 2016

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:

CHANGES - REASONS:

REMOVED RWY 28 TAKEOFF MINIMUMS RESTRICTION AND CONTROLLING OBSTACLE - PER FPT.



US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29

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TERMINAL ROUTES				MISSED APPROACH			
FROM	TO	COURSE AND DISTANCE	ALTITUDE				
				ADDITIONAL FLIGHT DATA:			
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF) 2. ____ 3. FAC: ____ FAF: ____ DIST FAF TO MAP: ____ THLD: ____ 4. MIN. ALT: ____ 5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____ 6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____ 7. GS ANGLE: ____ TCH: ____ 8. MSA FROM: ____				MAG VAR: _____ EPOCH YEAR: _____			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A			
CATEGORY ==>							
	DH/MDA	VIS		DH/MDA	VIS		
NOTES:							
PROCEDURE CANCELED EFFECTIVE 15 SEPTEMBER 2016							
CITY AND STATE		ELEVATION: 672 TDZE: 653		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	
CHICAGO, IL		AIRPORT NAME:		I-OHA		ILS OR LOC RWY 14L, AMDT 29D, 03/08/2012	
		CHICAGO O'HARE INTL				ILS RWY 14L (CAT II & III)	
						SUP:	
						AMDT: 29C	
						DATED 03/10/2011	

QUALITY
16
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: 5.19 MILES AFTER CHSTR INT/I-ORD 7.50 DME OR AT I-ORD 2.31 DME FIX									
FARMM INT/OBK VOR/DME 19.41 DME			CUBGO INT/I-ORD 28.35 DME			112.86 / 2.37 (OBK R-293)			7000			CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 220.00 AND ORD VOR/DME R-188 TO LISKE INT/ORD 14.40 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 4000 ON HEADING 220.00 AND OBK VOR/DME R-183 TO LISKE INT/OBK 28.19 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 008.38 INBOUND. ALTERNATE MA HOLDING, HOLD S LISKE INT/OBK 28.19 DME, RT, 002.99 INBOUND. DO NOT CHART ALTERNATE MA HOLDING. CHART FAS OBST: 735 BLDG 415959N/0875620W CHART: 1037 TOWER 420327N/0880151W CHART DPA VOR/DME R-002 AT CUBGO. CHART VDP AT 3.59 DME* DISTANCE VDP TO THLD 1.28 MILES. *LOC ONLY.									
CUBGO INT/I-ORD 28.35 DME (IAF)			BIFLE INT/I-ORD 21.03 DME			142.97 / 7.32 (I-ORD)			7000												
BIFLE INT/I-ORD 21.03 DME			MISCH INT/I-ORD 15.27 DME			142.97 / 5.77 (I-ORD)			5000												
MISCH INT/I-ORD 15.27 DME (IF)			CHSTR INT/I-ORD 7.50 DME			142.97 / 7.76 (I-ORD)			2400												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)												MAG VAR: 3W EPOCH YEAR: 2010									
2. PROFILE STARTS AT CUBGO INT/I-ORD 28.35 DME																					
3. FAC: 142.97 FAF: CHSTR INT/I-ORD 7.50 DME DIST FAF TO MAP: 5.19 THLD: 5.19																					
4. MIN. ALT: CUBGO 7000, BIFLE 7000, MISCH 5000, CHSTR 2400																					
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 954																					
6. MIN GS INCPT: 2400 GS ALT AT: CHSTR 2400 OM: - MM: - IM: -																					
7. GS ANGLE: 3.00 TCH: 56.2																					
8. MSA FROM: ORD VOR/DME 3400																					
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 15	868	1800	200	868	1800	200	868	1800	200	868	1800	200									
S-LOC 15	1140	2400	472	1140	2400	472	1140	5000	472	1140	5000	472									
CIRCLING	1220	1	540	1220	1	540	1220	1 1/2	540	1240	2	560									
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).																					
CITY AND STATE CHICAGO, IL		ELEVATION: 680 TDZE: 668 AIRPORT NAME: CHICAGO O'HARE INTL			FACILITY IDENTIFIER: I-ORD		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 15, AMDT 30D 15 SEPTEMBER 2016						SUP: ILS OR LOC RWY 14R AMDT: 30C DATED 03/12/2012								



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.29

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ARINC SUMMARY - KORD

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
FARMM	010	FARMM	IF	FB										E
FARMM	020	CUBGO	TF	FB								AA 07000		E A
FARMM	030	BIFLE	TF	FB								AA 07000		E
FARMM	040	MISCH	CF	FB		143.0	IORD					AA 05000		EE B
	010	MISCH	IF	FB			IORD					AA 05000 GI 02400		E I
	020	CHSTR	CF	FB		143.0	IORD	3.00		ORD		GI 02400 GS 02400		E F
	030	RW15	CF	FO		143.0	IORD	3.00				AT 00722		GY M
	040		CA	FB		143.0						AA 01700		M
	050		VI	FB		220.0								
	060	LISKE	CF	FO		188.4	ORD					AA 04000		EY
	070	LISKE	HM	FO		008.4			R			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ORD	N415915.68	W0875417.35
IORD (DME)	N415737.70	W0875402.10
FARMM	N422009.58	W0882133.92
LISKE	N414505.44	W0875745.54
BIFLE	N421344.79	W0881211.69
CHSTR	N420324.03	W0880028.17
CUBGO	N421919.49	W0881834.35
MISCH	N420920.41	W0880711.43
IORD (LOC)	N415804.87	W0875428.47

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW15	N415925.57	W0875559.30	00666	56

QUALITY
28
CHECKED

CITY AND STATE
CHICAGO, IL

ELEVATION: **680** TDZE: **668**
AIRPORT NAME:
CHICAGO O'HARE INTL

FACILITY
IDENTIFIER:
I-ORD

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 15, AMDT 30D
15 SEPTEMBER 2016

SUP: **ILS OR LOC RWY 14R**
AMDT: **30C**
DATED: **03/12/2012**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KORD

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
FARMM	010	FARMM	IF	FB										E
FARMM	020	CUBGO	TF	FB								AA 07000		E A
FARMM	030	BIFLE	TF	FB								AA 07000		E
FARMM	040	MISCH	CF	FB		143.0	IORD					AA 05000		EE B
	010	MISCH	IF	FB			IORD					AA 05000		E I
	020	CHSTR	CF	FB		143.0	IORD			ORD		AA 02400		E F
	030	RW15	CF	FO		143.0	IORD	3.05				AT 00722		GY M
	040		CA	FB		143.0						AA 01700		M
	050		VI	FB		220.0								
	060	LISKE	CF	FO		188.4	ORD					AA 04000		EY
	070	LISKE	HM	FO		008.4			R			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ORD	N415915.68	W0875417.35
IORD (DME)	N415737.70	W0875402.10
FARMM	N422009.58	W0882133.92
LISKE	N414505.44	W0875745.54
BIFLE	N421344.79	W0881211.69
CHSTR	N420324.03	W0880028.17
CUBGO	N421919.49	W0881834.35
MISCH	N420920.41	W0880711.43
IORD (LOC)	N415804.87	W0875428.47

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW15	N415925.57	W0875559.30	00666	56

QUALITY
28
CHECKED

CITY AND STATE
CHICAGO, IL

ELEVATION: 680 TDZE: 668
AIRPORT NAME:
CHICAGO O'HARE INTL

FACILITY
IDENTIFIER:
I-ORD

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 15, AMDT 30D
15 SEPTEMBER 2016

SUP: ILS OR LOC RWY
14R
AMDT: 30C
DATED: 03/12/2012

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	
				ADDITIONAL FLIGHT DATA:

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

MAG VAR: EPOCH YEAR:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT						ALTERNATE: N A										
CATEGORY ==>>>																
	DH/MDA	VIS		DH/MDA	VIS		DH/MDA	VIS		DH/MDA	VIS		DH/MDA	VIS		

NOTES:

PROCEDURE CANCELED EFFECTIVE 15 SEPTEMBER 2016



CITY AND STATE CHICAGO, IL	ELEVATION: 672 TDZE: 653 AIRPORT NAME: CHICAGO O'HARE INTL	FACILITY IDENTIFIER: I-IDN	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 32R, AMDT 21E, 03/08/2012	SUP:
				AMDT: 21D
				DATED 02/12/2009

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 HATH, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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 15 SEPTEMBER 2016																	
CITY AND STATE CHICAGO, IL		ELEVATION: 672 THRE: 649 AIRPORT NAME: CHICAGO O'HARE INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 14L, AMDT 1F, 05/29/2014				SUP: AMDT: 1E DATED 05/31/2012					

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: RW15 CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 4000 DIRECT LISKE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD S, RT, 008.38 INBOUND. CHART FAS OBST: 796 ROD ON OL POLE 415943N/0875537W FAS OBST: 924 AAO 420150N/0875950W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.41 MILES TO RW15* *LNAV ONLY. WAAS CHANNEL # 93603 REFERENCE PATH ID: W15A LTP HAE: 169.3 M						
FARMM		OMTUW (FB)		137.03 / 11.82			5000								
UMUZI		OMTUW (FB)		232.87 / 5.38			5000								
OMTUW (IAF)		MISCH (FB)		142.81 / 3.39			5000								
MISCH (IF)		CHSTR (FB)		142.84 / 7.76			2400								
CHSTR (FAF)		RW15 (MAP) (FO)		142.92 / 5.19			1700								
RW15 (MAP)		1700 MSL		142.92			1700								
1700 MSL		LISKE (FO)					4000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT OMTUW 3. FAC: 142.92 FAF: CHSTR DIST FAF TO MAP: 5.19 THLD: 5.19 4. MIN. ALT: OMTUW 5000, MISCH 5000, CHSTR 2400 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2400 GS ALT AT: CHSTR 2400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 56.2 34:1 IS CLEAR 8. MSA FROM: RW15 3400										MAG VAR: 3W 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	868	2400	200	868	2400	200	868	2400	200	868	2400	200			
LNAV/VNAV DA	1068	4500	400	1068	4500	400	1068	4500	400	1068	4500	400			
LNAV MDA	1180	2400	512	1180	2400	512	1180	5500	512	1180	5500	512			
CIRCLING	1220	1	540	1220	1	540	1220	1 1/2	540	1240	2	560			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -22C (-7F) OR ABOVE 35C (95F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 680 TDZE: 668		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: RNAV (GPS) RWY 14R					
CHICAGO, IL		AIRPORT NAME: CHICAGO O'HARE INTL				RNAV (GPS) RWY 15, AMDT 2D				AMDT: 2C					
						15 SEPTEMBER 2016				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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NOTES, (CONT.):

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

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV/VNAV VISIBILITY TO RVR 6000 ALL CATS AND LNAV

CAT C/D VISIBILITY TO 1 3/8 MILE.

QUALITY
16
CHECKED

CITY AND STATE
CHICAGO, IL

ELEVATION: 680 TDZE: 668
AIRPORT NAME:
CHICAGO O'HARE INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 15, AMDT 2D
15 SEPTEMBER 2016

SUP: RNAV (GPS) RWY
14R
AMDT: 2C
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	KORD
RUNWAY	RW15
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W15A
LTP/FTP LATITUDE	415925.5665N
LTP/FTP LONGITUDE	0875559.3030W
LTP/FTP ELLIPSOIDAL HEIGHT	+01693
FPAP LATITUDE	415812.3000N
FPAP LONGITUDE	0875436.8400W
THRESHOLD CROSSING HEIGHT (TCH)	00056.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 3367DE43

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02029
FPAP ORTHOMETRIC HEIGHT	+02028

QUALITY
16
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 680 AIRPORT NAME: CHICAGO O'HARE INTL	TDZE: 668 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 15, AMDT 2D 15 SEPTEMBER 2016	SUP: RNAV (GPS) RWY 14R
				AMDT: 2C
				DATED: 05/29/2014

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 - KORD

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
FARMM	010	FARMM	IF	FB										E
FARMM	020	OMTUV	TF	FB	2.0	137.0						AA 05000		E A
FARMM	030	MISCH	TF	FB	1.0	142.8						AA 05000		EE B
UMUZI	010	UMUZI	IF	FB										E
UMUZI	020	OMTUV	TF	FB	2.0	232.9						AA 05000		E A
UMUZI	030	MISCH	TF	FB	1.0	142.8						AA 05000		EE B
	010	MISCH	IF	FB								AA 05000		E I
	020	CHSTR	TF	FB	1.0	142.8				RW15		AA 02400		E F
	030	RW15	TF	FO	0.3	142.9		3.00				AT 00722		GY M
	040		CA	FB		142.9						AA 01700		M
	050	LISKE	DF	FO					R			AA 04000		EY
	060	LISKE	HM	FO					R			AA 04000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CHSTR	N420324.03	W0880028.17
FARMM	N422009.58	W0882133.92
LISKE	N414505.44	W0875745.54
MISCH	N420920.41	W0880711.43
OMTUV	N421155.71	W0881007.71
UMUZI	N421524.12	W0880435.41

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW15	N415925.57	W0875559.30	00666	56.2

QUALITY
16
CHECKED

CITY AND STATE CHICAGO, IL	ELEVATION: 680 TDZE: 668 AIRPORT NAME: CHICAGO O'HARE INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 15, AMDT 2D 15 SEPTEMBER 2016	SUP: RNAV (GPS) RWY 14R
				AMDT: 2C
				DATED: 05/29/2015

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		DH/MDA	VIS		
NOTES:																	
PROCEDURE CANCELED EFFECTIVE 15 SEPTEMBER 2016																	
CITY AND STATE CHICAGO, IL		ELEVATION: 672 TDZE: 653 AIRPORT NAME: CHICAGO-O'HARE INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32R, AMDT 1B, 02/12/2009						SUP: AMDT: 1A DATED 10/23/2008					

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.
CHICAGO, IL	CHICAGO O'HARE INTL	15 SEPTEMBER 2016	20A

TAKEOFF MINIMUMS:

RWY 4L, 4R, 9L, 9R, 10C, 10L, 10R, 15, 22L, 22R, STANDARD.

RWY 27L, STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1400 FT PRIOR TO DER.

RWY 27R, STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1800.

RWY 28C, STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1700.

RWY 28L, STANDARD WITH MINIMUM CLIMB OF 235 FT PER NM TO 1000, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DER.

RWY 28R, STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1700.

RWY 33, STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 1700.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4L, TOWER ON BUILDING 3301 FT FROM DER, 1207 FT RIGHT OF CENTERLINE, 109 FT AGL/750 FT MSL.

NOTE: RWY 4R, TAXIING AIRCRAFT 152 FT FROM DER, 328 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/735 FT MSL. TREES 809 FT FROM DER, 611 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/675 FT MSL.

NOTE: RWY 9L, BUILDING 2771 FT FROM DER, 1233 FT RIGHT OF CENTERLINE, 94 FT AGL/745 FT MSL.

NOTE: RWY 9R, POLE 876 FT FROM DER, 688 FT RIGHT OF CENTERLINE, 29 FT AGL/673 FT MSL.

NOTE: RWY 10C, GLIDESLOPE ANTENNA 1170 FT FROM DER, 777 FT LEFT OF CENTERLINE, 41 FT AGL/694 FT MSL.

NOTE: RWY 10L, TAXIING AIRCRAFT 32 FT FROM DER, 440 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/735 FT MSL. SIGN AND TOWER ON BUILDING BEGINNING 2517 FT FROM DER, 731 FT RIGHT OF CENTERLINE, UP TO 88 FT AGL/732 FT MSL. TOWER 3957 FT FROM DER, 1289 FT RIGHT OF CENTERLINE, 127 FT AGL/771 FT MSL.

NOTE: RWY 10R, FENCES BEGINNING 10 FT FROM DER, 44 FT RIGHT OF CENTERLINE, UP TO 12 FT AGL/665 FT MSL. BUSH, FENCES, AND POLES BEGINNING 34 FT FROM DER, 195 FT LEFT OF CENTERLINE, UP TO 26 FT AGL/686 FT MSL. TREES BEGINNING 2202 FT FROM DER, 587 FT RIGHT OF CENTERLINE, UP TO 71 FT AGL/724 FT MSL. TOWER 4381 FT FROM DER, 1537 FT RIGHT OF CENTERLINE, 138 FT AGL/738 FT MSL.

NOTE: RWY 15, TAXIING AIRCRAFT 1105 FT FROM DER, 766 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/736 FT MSL.

NOTE: RWY 22R, TAXIING AIRCRAFT 34 FT FROM DER, 429 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/736 FT MSL.

NOTE: RWY 27L, TAXIING AIRCRAFT 70 FT FROM DER, 407 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/740 FT MSL. POLE 5553 FT FROM DER, 1833 FT LEFT OF CENTERLINE, 143 FT AGL/805 FT MSL.

NOTE: RWY 27R, OBSTRUCTION LIGHT ON TANK 1509 FT FROM DER, 887 FT LEFT OF CENTERLINE, 56 FT AGL/726 FT MSL. ELEVATOR 2778 FT FROM DER, 1021 FT LEFT OF CENTERLINE, 111 FT AGL/776 FT MSL.

NOTE: RWY 28C, TREES BEGINNING 2373 FT FROM DER, 696 FT LEFT OF CENTERLINE, UP TO 89 FT AGL/768 FT MSL. TREES 2559 FT FROM DER, 256 FT RIGHT OF CENTERLINE, UP TO 58 FT AGL/737 FT MSL.

NOTE: RWY 28L, TERRAIN AND BUSH BEGINNING 5 FT FROM DER, 352 FT RIGHT OF CENTERLINE, UP TO 4 FT AGL/692 FT MSL. POLES BEGINNING 244 FT FROM DER, 471 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/707 FT MSL. RAILROAD BEGINNING 590 FT FROM DER, 639 FT LEFT OF CENTERLINE, UP TO 23 FT AGL/700 FT MSL. POLES AND TREES BEGINNING 1500 FT FROM DER, 721 FT LEFT OF CENTERLINE, UP TO 79 FT AGL/758 FT MSL.

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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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.

City, State	Airport	Effective Date	Amdt. No.
CHICAGO, IL	CHICAGO O'HARE INTL	15 SEPTEMBER 2016	20A

NOTE: RWY 33, POLE 1993 FT FROM DER, 790 FT LEFT OF CENTERLINE, 45 FT AGL/716 FT MSL.

CONTROLLING OBSTACLES:

RWY 27L: 812 FT MSL POLE 415844.00N/0875620.00W.

RWY 27R: 1468 FT MSL TOWER 420042.49N/0880206.93W.

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

RWY 28L: 852 FT MSL TANK 415732.96N/0875658.25W.

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

RWY 33: 1413 FT MSL TOWER 415926.00N/0880139.00W.



Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.

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: 5.07 NM AFTER CRAYG INT/I-RNE 4.90 DME/RADAR OR AT I-RNE 0.17 DME FIX									
ACK VOR/DME			UFTAC INT/I-RNE 10.94 DME/RADAR			239.98 / 13.97			2300			CLIMB TO 1800 DIRECT ACK VOR/DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 1800, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 1800 ON HEADING 061 AND ON MVY VOR/DME R-115 TO WAIVS/MVY 28.90 DME/RADAR AND HOLD. (RADAR OR DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD NE, RT, 241.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE WAIVS/28.90 DME/RADAR, RT, 293.61 INBOUND. FAS OBST: 125 BOAT 411322N/0700620W CHART IN PROFILE: I-RNE DME ANTENNA. CHART VDP AT 0.76 DME* DISTANCE VDP TO THLD 0.92 NM. *LOC ONLY. CHART IN PLANVIEW: WAIVS/28.90 DME/RADAR. CHART CIRCLING ICON.									
MVY VOR/DME (IAF)			UFTAC INT/I-RNE 10.94 DME/RADAR (NOPT)			150.02 / 23.63 (ACK LR-249)			2300												
UFTAC INT/I-RNE 10.94 DME/RADAR (IF/IAF)			CRAYG INT/I-RNE 4.90 DME/RADAR			061.01 / 6.04 (I-RNE)			1700												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)												MAG VAR: 16W EPOCH YEAR: 1995									
2. HOLD SW UFTAC, RT, 061.01 INBOUND, 2300 FT. IN LIEU OF PT (IAF)																					
3. FAC: 061.01 FAF: CRAYG INT/I-RNE 4.90 DME/RADAR DIST FAF TO MAP: 5.07 THLD: 5.07																					
4. MIN. ALT: UFTAC 2300, CRAYG 1700																					
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: 0.49 GS ANT: 960																					
6. MIN GS INCPT: 1700 GS ALT AT: CRAYG 1700 OM: _____ MM: _____ IM: _____																					
7. GS ANGLE: 3.00 TCH: 56.7																					
8. MSA FROM: ACK VOR/DME 1600																					
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	238	4000	200	238	4000	200	238	4000	200	238	4000	200									
S-LOC 06	380	4000	342	380	4000	342	380	4000	342	380	4000	342									
CIRCLING	480	1	433	500	1	453	720	2	673	720	2 1/4	673									
NOTES: CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HYANNIS ALTIMETER SETTING AND INCREASE DA TO 301 AND ALL MDA 80 FEET; INCREASE S-LOC 6 CATS, C/D VISIBILITY TO RVR 5000 AND CIRCLING CATS C/D VISIBILITY 1/4 SM. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 6. (CONTINUED ON PAGE 2)																					
CITY AND STATE NANTUCKET, MA				ELEVATION: 47 TDZE: 38 AIRPORT NAME: NANTUCKET MEMORIAL				FACILITY IDENTIFIER: I-RNE		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 6, AMDT 2 15 SEPTEMBER 2016				SUP: AMDT: 1A DATED 10/20/2011							

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.): CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 6 CAT D VISIBILITY TO RVR 5500. CHART NOTE: FOR INOPERATIVE ALS WHEN USING HYANNIS ALTIMETER SETTING, INCREASE S-ILS 6 ALL CATS VISIBILITY TO RVR 4500 AND S-LOC 6 CAT D VISIBILITY TO 1 1/4 SM. CHART NOTE: VDP NA WHEN USING HYANNIS ALTIMETER SETTING.					
CITY AND STATE NANTUCKET, MA	ELEVATION: 47 AIRPORT NAME: NANTUCKET MEMORIAL	TDZE: 38	FACILITY IDENTIFIER: I-RNE	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
				ILS OR LOC RWY 6, AMDT 2	AMDT: 1A
				15 SEPTEMBER 2016	DATED: 10/20/2011

QUALITY
10

CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KACK

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
ACK	010	ACK	IF	FB										V
ACK	020	UFTAC	TF	FO								AA 02300		EY
ACK	030	UFTAC	HF	FO		061.0	IRNE		R			AA 02300		EE A
MVY	010	MVY	FC	FB		150.0	MVY					AA 02300		V A
MVY	020	UFTAC	CF	FB		150.0	IRNE					AA 02300		EE B
	010	UFTAC	IF	FB			IRNE					AA 02300 GI 01700		E I
	020	CRAYG	CF	FB		061.0	IRNE	3.00		ACK		GI 01700 GS 01700		E F
	030	RW06	CF	FO		061.0	IRNE	3.00				AT 00085		GY M
	040	ACK	DF	FO								AA 01800		VYM
	050	ACK	HM	FO		241.0			R			AA 01800		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ACK	N411654.79	W0700136.16
MVY	N412346.35	W0703645.77
IRNE (DME)	N411447.37	W0700428.01
CRAYG	N411117.36	W0700901.20
UFTAC	N410700.93	W0701439.85
IRNE (LOC)	N411541.15	W0700311.95

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW06	N411452.74	W0700416.12	00028	56.7

QUALITY
28
CHECKED

CITY AND STATE
NANTUCKET, MA

ELEVATION: **47** TDZE: **38**
AIRPORT NAME:
NANTUCKET MEMORIAL

FACILITY
IDENTIFIER:
I-RNE

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 6, AMDT 2
15 SEPTEMBER 2016

SUP:
AMDT: **1A**
DATED: **10/20/2011**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KACK

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
ACK	010	ACK	IF	FB										V
ACK	020	UFTAC	TF	FO								AA 02300		EY
ACK	030	UFTAC	HF	FO		061.0	IRNE		R			AA 02300		EE A
MVY	010	MVY	FC	FB		150.0	MVY					AA 02300		V A
MVY	020	UFTAC	CF	FB		150.0	IRNE					AA 02300		EE B
	010	UFTAC	IF	FB			IRNE					AA 02300		E I
	020	CRAYG	CF	FB		061.0	IRNE			ACK		AA 01700		E F
	030	RW06	CF	FO		061.0	IRNE	3.01				AT 00085		GY M
	040	ACK	DF	FO								AA 01800		VYM
	050	ACK	HM	FO		241.0			R			AA 01800		VE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ACK	N411654.79	W0700136.16
MVY	N412346.35	W0703645.77
IRNE (DME)	N411447.37	W0700428.01
CRAYG	N411117.36	W0700901.20
UFTAC	N410700.93	W0701439.85
IRNE (LOC)	N411541.15	W0700311.95

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW06	N411452.74	W0700416.12	00028	56.7

QUALITY
28
CHECKED

CITY AND STATE
NANTUCKET, MA

ELEVATION: **47** TDZE: **38**
AIRPORT NAME:
NANTUCKET MEMORIAL

FACILITY
IDENTIFIER:
I-RNE

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 6, AMDT 2
15 SEPTEMBER 2016

SUP:
AMDT: **1A**
DATED: **10/20/2011**

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: 4.73 NM AFTER WAIVS/I-ACK 5.85 DME/RADAR OR AT I-ACK 1.12 DME FIX												
ACK VOR/DME				OBUBE/I-ACK 12.50 DME/RADAR				060.14 / 9.47				2000		CLIMB TO 2300 ON ACK VOR/DME R-240 TO UFTAC INT AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 700 THEN CLIMBING RIGHT TURN TO 1800 ON HEADING 030 AND ON MVY VOR/DME R-115 TO WAIVS/MVY 28.90 DME/RADAR AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.02 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE WAIVS/MVY 28.90 DME/RADAR, RT, 293.61 INBOUND. CHART FAS OBST: 112 TREE 411605N/0700257W CHART VDP AT 2.01 DME* DISTANCE VDP TO THLD 0.89 NM. *LOC ONLY. CHART CIRCLING ICON,												
OBUBE/I-ACK 12.50 DME/RADAR (IF/IAF)				WAIVS/I-ACK 5.85 DME/RADAR				241.02 / 6.65 (I-ACK)				1600														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																										
2. HOLD NE OBUBE, RT, 241.02 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																										
3. FAC: 241.02 FAF: WAIVS/I-ACK 5.85 DME/RADAR DIST FAF TO MAP: 4.73 THLD: 4.73																										
4. MIN. ALT: OBUBE 2000, WAIVS 1600, YIVUP/I-ACK 2.70 DME/RADAR 600*																										
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: 0.48 GS ANT: 922																										
6. MIN GS INCPT: 1600 GS ALT AT: WAIVS 1600 OM: - MM: - IM: -																										
7. GS ANGLE: 3.00 TCH: 46.9																										
8. MSA FROM: ACK VOR/DME 1600														MAG VAR: 16W			EPOCH YEAR: 1995									
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 24	247	1800	200	247	1800	200	247	1800	200	247	1800	200														
S-LOC 24	380	2400	333	380	2400	333	380	2600	333	380	2600	333														
CIRCLING	480	1	433	500	1	453	720	2	673	720	2 1/4	673														
NOTES: CHART PLANVIEW NOTE: DME OR RADAR REQUIRED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HYANNIS ALTIMETER SETTING AND INCREASE DA TO 310 AND ALL MDA 80 FEET. INCREASE S-ILS 24, ALL CATS, VISIBILITY TO RVR 2000, S-LOC 24 CATS C/D VISIBILITY TO RVR 4000 AND INCREASE CIRCLING CATS C/D 1/4 SM. (CONTINUED ON PAGE 2)																										
CITY AND STATE NANTUCKET, MA				ELEVATION: 47 TDZE: 47 AIRPORT NAME: NANTUCKET MEMORIAL				FACILITY IDENTIFIER: I-ACK		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 24, AMDT 16 15 SEPTEMBER 2016					SUP: AMDT: 15F DATED 10/20/2011											

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 NOTE: VDP NA WHEN USING HYANNIS ALTIMETER SETTING.
CHART NOTE: FOR INOPERATIVE SSALR WHEN USING THE HYANNIS ALTIMETER SETTING, INCREASE S-ILS 24, ALL CATS, VISIBILITY TO RVR 4500 AND INCREASE S-LOC 24 CATS C/D VISIBILITY TO RVR 6000.

CITY AND STATE NANTUCKET, MA	ELEVATION: 47 AIRPORT NAME: NANTUCKET MEMORIAL	TDZE: 47	FACILITY IDENTIFIER: I-ACK	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 24, AMDT 16 15 SEPTEMBER 2016	SUP:
					AMDT: 15F
					DATED: 10/20/2011



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KACK

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
ACK	010	ACK	IF	FB										V
ACK	020	OBUBE	TF	FO								AA 02000		EY
ACK	030	OBUBE	HF	FO		241.0	IACK		R			AA 02000		EE A
	010	OBUBE	IF	FB			IACK					AA 02000 GI 01600		E I
	020	WAIVS	CF	FB		241.0	IACK	3.00		ACK		GI 01600 GS 01600		E F
	030	RW24	CF	FO		241.0	IACK	3.00				AT 00094		GY M
	040	UFTAC	CF	FO		240.0	ACK					AA 02300		EYM
	050	UFTAC	HM	FO		060.0			R			AA 02300		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ACK	N411654.79	W0700136.16
IACK (DME)	N411447.37	W0700428.01
OBUBE	N412335.44	W0695241.00
UFTAC	N410700.93	W0701439.85
WAIVS	N411853.66	W0695856.30
IACK (LOC)	N411445.86	W0700425.25

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24	N411533.01	W0700322.73	00047	46.9

QUALITY
28
CHECKED

CITY AND STATE
NANTUCKET, MA

ELEVATION: **47** TDZE: **47**
AIRPORT NAME:
NANTUCKET MEMORIAL

FACILITY
IDENTIFIER:

I-ACK

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 24, AMDT 16

15 SEPTEMBER 2016

SUP:

AMDT: **15F**

DATED: **10/20/2011**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KACK

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
ACK	010	ACK	IF	FB										V
ACK	020	OBUBE	TF	FO								AA 02000		EY
ACK	030	OBUBE	HF	FO		241.0	IACK		R			AA 02000		EE A
	010	OBUBE	IF	FB			IACK					AA 02000		E I
	020	WAIVS	CF	FB		241.0	IACK			ACK		AA 01600		E F
	021	YIVUP	CF	FB		241.0	IACK	3.02				AA 00600		E S
	030	RW24	CF	FO		241.0	IACK	3.02				AT 00094		GY M
	040	UFTAC	CF	FO		240.0	ACK					AA 02300		EYM
	050	UFTAC	HM	FO		060.0			R			AA 02300		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ACK	N411654.79	W0700136.16
IACK (DME)	N411447.37	W0700428.01
OBUBE	N412335.44	W0695241.00
UFTAC	N410700.93	W0701439.85
WAIVS	N411853.66	W0695856.30
YIVUP	N411640.10	W0700153.66
IACK (LOC)	N411445.86	W0700425.25

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24	N411533.01	W0700322.73	00047	46.9

QUALITY
28
CHECKED

CITY AND STATE
NANTUCKET, MA

ELEVATION: **47** TDZE: **47**
AIRPORT NAME:
NANTUCKET MEMORIAL

FACILITY
IDENTIFIER:
I-ACK

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 24, AMDT 16

15 SEPTEMBER 2016

SUP:
AMDT: **15F**
DATED: **10/20/2011**

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: RW06 CLIMB TO 1800 DIRECT WAIVS AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 293.61 INBOUND. CHART FAS OBST: 125 BOAT 411322N/0700602W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 0.92 NM TO RW06* *LNAV ONLY. WAAS CHANNEL # 81912 REFERENCE PATH ID: W06A CHART CIRCLING ICON. LTP HAE: -20.2 M							
ACK VOR/DME		UFTAC (FO)		240.98 / 13.97			2300									
MVY VOR/DME		AFHAS (FB)		151.15 / 17.13			2300									
AFHAS (IAF)		UFTAC (NOPT) (FB)		150.84 / 6.50			2300									
BOMLY (IAF)		UFTAC (NOPT) (FB)		330.99 / 6.50			2300									
UFTAC (IF/IAF)		CRAYG (FB)		060.92 / 6.04			1700									
CRAYG (FAF)		RW06 (MAP) (FO)		060.96 / 5.07			1800									
RW06 (MAP)		238 MSL														
238 MSL		WAIVS (FO)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SW UFTAC, RT, 060.92 INBOUND, 2300 FT. IN LIEU OF PT (IAF) 3. FAC: 060.96 FAF: CRAYG DIST FAF TO MAP: 5.07 THLD: 5.07 4. MIN. ALT: UFTAC 2300, CRAYG 1700 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: CRAYG 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 56.7 34:1 IS CLEAR 8. MSA FROM: RW06 1500											MAG VAR: 16W		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	
LPV DA	238	4000	200	238	4000	200	238	4000	200	238	4000	200				
LNAV/VNAV DA	300	4000	262	300	4000	262	300	4000	262	300	4000	262				
LNAV MDA	380	4000	342	380	4000	342	380	4000	342	380	4000	342				
CIRCLING	480	1	433	500	1	453	720	2	673	720	2 1/4	673				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ACK VOR/DME ON AIRWAY RADIALS 270 CW 280. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 47 TDZE: 38		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		QUALITY				
NANTUCKET, MA		AIRPORT NAME: NANTUCKET MEMORIAL				RNAV (GPS) RWY 6, AMDT 1				AMDT: CORIG-A		CHECKED				
						15 SEPTEMBER 2016				DATED		10/20/2011				

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					
NOTES, (CONT.): CHART NOTE: BARO-VNAV AND VDP NA WHEN USING HYANNIS ALTIMETER SETTING. CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT BOMLY. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HYANNIS ALTIMETER SETTING AND INCREASE LPV DA TO 301, LNAV/VNAV DA TO 363 AND ALL MDA 80 FEET; INCREASE LNAV CATS C/D VISIBILITY TO RVR 5000 AND CIRCLING CATS C/D VISIBILITY 1/4 SM. CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV. CHART NOTE: FOR INOPERATIVE ALS INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500, AND LNAV CAT D VISIBILITY TO RVR 5500. CHART NOTE: FOR INOPERATIVE ALS WHEN USING HYANNIS ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 6000 AND INCREASE LNAV CATS C/D TO 1 1/4 SM.					
CITY AND STATE NANTUCKET, MA	ELEVATION: 47 AIRPORT NAME: NANTUCKET MEMORIAL	TDZE: 38	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 15 SEPTEMBER 2016	SUP: QUALITY 4
					AMDT: ORIG-A CHECKED
					DATED: 10/20/2011

**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	KACK
RUNWAY	RW06
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W06A
LTP/FTP LATITUDE	411452.7385N
LTP/FTP LONGITUDE	0700416.1240W
LTP/FTP ELLIPSOIDAL HEIGHT	-00202
FPAP LATITUDE	411555.7565N
FPAP LONGITUDE	0700252.5635W
THRESHOLD CROSSING HEIGHT (TCH)	00056.7
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0992
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

88472C9A

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00085
FPAP ORTHOMETRIC HEIGHT	+00085

CITY AND STATE

NANTUCKET, MA

ELEVATION: 47

TDZE: 38

AIRPORT NAME:

NANTUCKET MEMORIAL

 FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 6, AMDT 1

15 SEPTEMBER 2016

SUP:

4

AMDT:

ORIG-A

DATED:

10/20/2011

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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CITY AND STATE NANTUCKET, MA	ELEVATION: 47 TDZE: 38 AIRPORT NAME: NANTUCKET MEMORIAL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 6, AMDT 1 15 SEPTEMBER 2016	SUP:	QUALITY 4
				AMDT:	ORIG-4 CHECKED
				DATED:	10/20/2011

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: RW24 CLIMB TO 2300 DIRECT UFTAC AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 060.92 INBOUND. CHART FAS OBST: 119 TREE 411531N/0700242W 260 AAO 411821N/0695912W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 0.89 NM TO RW24* *LNAV ONLY. WAAS CHANNEL # 93612 REFERENCE PATH ID: W24A CHART CIRCLING ICON. LTP HAE: -14.5 M						
ACK VOR/DME	OBUBE (FO)			061.13 / 9.47			2000								
LFV VOR/DME	ZEDUP (FB)			191.48 / 32.92			2000								
ZEDUP (IAF)	OBUBE (NOPT) (FB)			151.07 / 6.50			2000								
CUPNU (IAF)	OBUBE (NOPT) (FB)			331.21 / 6.50			2000								
OBUBE (IF/IAF)	WAIVS (FB)			241.14 / 6.65			1600								
WAIVS (FAF)	RW24 (MAP) (FO)			241.07 / 4.73											
RW24 (MAP)	247 MSL			241.07											
247 MSL	UFTAC (FO)						2300								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NE OBUBE, RT, 241.14 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 241.07 FAF: WAIVS DIST FAF TO MAP: 4.73 THLD: 4.73 4. MIN. ALT: OBUBE 2000, WAIVS 1600 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1600 GS ALT AT: WAIVS 1600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 46.9 34:1 IS CLEAR 8. MSA FROM: RW24 1600										MAG VAR: 16W 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
LPV DA	247	2400	200	247	2400	200	247	2400	200	247	2400	200			
LNAV/VNAV DA	300	2400	253	300	2400	253	300	2400	253	300	2400	253			
LNAV MDA	380	2400	333	380	2400	333	380	2600	333	380	2600	333			
CIRCLING	480	1	433	500	1	453	720	2	673	720	2 1/4	673			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -12C (11F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT LFV VOR/DME ON V167 NORTHEAST BOUND. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 47 TDZE: 47		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:		ORIG-A			
NANTUCKET, MA		AIRPORT NAME:		NANTUCKET MEMORIAL		RNAV (GPS) RWY 24, AMDT 1				15 SEPTEMBER 2016		DATED		10/20/2011	

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					
NOTES, (CONT.): CHART NOTE: BARO-VNAV AND VDP NA WHEN USING HYANNIS ALTIMETER SETTING. CHART PLANVIEW NOTE: RADAR REQUIRED FOR ARRIVALS AT CUPNU. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HYANNIS ALTIMETER SETTING AND INCREASE LPV DA TO 310 FEET AND LNAV/VNAV DA TO 363 FEET AND ALL MDA 80 FEET, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 3000 AND LNAV CATS C/D VISIBILITY TO RVR 4000 AND CIRCLING CATS C/D VISIBILITY 1/4 SM. CHART NOTE: FOR INOPERATIVE SSALR INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4000. CHART NOTE: FOR INOPERATIVE SSALR WHEN USING HYANNIS ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO RVR 4500, LNAV/VNAV ALL CATS TO RVR 5000, AND LNAV CATS C/D TO RVR 6000.					
CITY AND STATE NANTUCKET, MA	ELEVATION: 47 AIRPORT NAME: NANTUCKET MEMORIAL	TDZE: 47	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1 15 SEPTEMBER 2016	SUP: QUALITY 10 CHECKED
					AMDT: ORIG-A
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**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	KACK
RUNWAY	RW24
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W24A
LTP/FTP LATITUDE	411533.0120N
LTP/FTP LONGITUDE	0700322.7300W
LTP/FTP ELLIPSOIDAL HEIGHT	-00145
FPAP LATITUDE	411429.9880N
FPAP LONGITUDE	0700446.2755W
THRESHOLD CROSSING HEIGHT (TCH)	00046.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0832
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 6BF30116

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00142
FPAP ORTHOMETRIC HEIGHT	+00142

CITY AND STATE
NANTUCKET, MA

ELEVATION: 47 TDZE: 47
AIRPORT NAME:
NANTUCKET MEMORIAL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 24, AMDT 1
15 SEPTEMBER 2016

SUP: **QUALITY
10
CHECKED**
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DATED: **10/20/2011**

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 - KACK

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
ACK	010	ACK	IF	FB										V
ACK	020	OBUBE	TF	FO	2.0	061.1						AA 02000		EY
ACK	030	OBUBE	HF	FO		241.1			R			AA 02000		EE A
CUPNU	010	CUPNU	IF	FB										E A
CUPNU	020	OBUBE	TF	FB	1.0	331.2						AA 02000		EE B
LFV	010	LFV	IF	FB										V
LFV	020	ZEDUP	TF	FB	2.0	191.5						AA 02000		E A
LFV	030	OBUBE	TF	FB	1.0	151.1						AA 02000		EE B
	010	OBUBE	IF	FB								AA 02000		E I
	020	WAIVS	TF	FB	1.0	241.1				RW24		AA 01600		E F
	030	RW24	TF	FO	0.3	241.1		3.00				AT 00094		GY M
	040		CA	FB		241.1						AA 00247		M
	050	UFTAC	DF	FO								AA 02300		EY
	060	UFTAC	HM	FO		060.9			R			AA 02300		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ACK	N411654.79	W0700136.16
LFV	N420101.88	W0700214.04
CUPNU	N411858.69	W0694635.92
OBUBE	N412335.44	W0695241.00
UFTAC	N410700.93	W0701439.85
WAIVS	N411853.66	W0695856.30
ZEDUP	N412811.87	W0695846.94

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW24	N411533.01	W0700322.73	00047	46.9

QUALITY
12
CHECKED

CITY AND STATE NANTUCKET, MA	ELEVATION: 47	TDZE: 47	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 24, AMDT 1	SUP:
	AIRPORT NAME: NANTUCKET MEMORIAL			15 SEPTEMBER 2016	AMDT: ORIG-A
					DATED: 10/20/2011

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: 3.74 NM AFTER BATOL LOM/INT												
														CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 ON HEADING 215 AND AZO VOR/DME R-090 TO LEROY/AZO 9.42 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000, OR AS DIRECTED BY ATC.												
														ALTERNATE MA: CLIMB TO 1500 THEN CLIMBING LEFT TURN TO (SEE FORM 8260-10)												
														ADDITIONAL FLIGHT DATA: HOLD W, RT, 090.43 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NE BATOL LOM/INT, RT, 226.61 INBOUND. FAS OBST: 1140 AAO 422115N/0851049W 1170 AAO 422216N/0850909W CHART: ASR. CHART CIRCLING ICON. CHART IN PLANVIEW: (CFVNZ) AT 422611.60N/0850527.74W												
1. PT <u>L</u> SIDE OF COURSE <u>046.61</u> OUTBOUND <u>2600</u> FT WITHIN <u>10</u> MILES OF <u>BATOL LOM</u> (IAF)																										
2.																										
3. FAC: <u>226.61</u> FAF: <u>BATOL LOM/INT</u> DIST FAF TO MAP: <u>3.74</u> THLD: <u>3.74</u>																										
4. MIN. ALT: <u>BATOL LOM/INT 2200</u>																										
5. DIST TO THLD FROM OM: <u>3.74</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>944</u>																										
6. MIN GS INCPT: <u>2200</u> GS ALT AT: <u>-</u> OM: <u>2172</u> MM: <u>-</u> IM: <u>-</u>																										
7. GS ANGLE: <u>2.98</u> TCH: <u>49.4</u>																										
8. MSA FROM: <u>BT LOM 3000</u>																										
MAG VAR: <u>4W</u> EPOCH YEAR: <u>1985</u>																										
MINIMUMS																										
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							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 23R**	1129	2400	200	1129	2400	200	1129	2400	200	1129	2400	200														
S-LOC 23R	1400	2400	471	1400	2400	471	1400	5000	471	1400	5000	471														
CIRCLING	1420	1	468	1460	1	508	1520	1 1/2	568	1520	2	568														
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART NOTE: CIRCLING TO RWY 05R, 23L, 31 NA AT NIGHT. CHART NOTE: DME REQUIRED. CHART PLANVIEW NOTE: RADAR REQUIRED. (CONTINUED ON PAGE 2)																										
CITY AND STATE BATTLE CREEK, MI				ELEVATION: 952 TDZE: 929 AIRPORT NAME: W K KELLOGG				FACILITY IDENTIFIER: I-BTL		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 23R, AMDT 19 15 SEPTEMBER 2016						SUP: AMDT: 18A DATED 04/02/2015										

QUALITY
23
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.		
MISSED APPROACH INSTRUCTIONS, (CONT.): 3000 DIRECT BATOL LOM/INT AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.					
NOTES, (CONT.): CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND RAPIDS ALTIMETER SETTING: INCREASE DA TO 1236 FEET AND INCREASE ALL MDA 120 FEET. INCREASE S-LOC 23R CATS C/D VISIBILITY TO 1 1/4 SM, CIRCLING CAT C VISIBILITY TO 2 SM AND CAT D VISIBILITY TO 2 1/4 SM. CHART NOTE: FOR INOPERATIVE ALS INCREASE S-LOC 23R CAT C/D VISIBILITY TO 1 3/8 SM. CHART NOTE: FOR INOPERATIVE ALS WHEN USING GRAND RAPIDS ALTIMETER SETTING, INCREASE S-ILS 23R ALL CATS VISIBILITY TO RVR 5000.					
CITY AND STATE BATTLE CREEK, MI		ELEVATION: 952 AIRPORT NAME: W K KELLOGG	TDZE: 929	FACILITY IDENTIFIER: I-BTL	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 23R, AMDT 19 15 SEPTEMBER 2016
					SUP: AMDT: 18A DATED: 04/02/2015

QUALITY
23
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KBTL

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
BATOL	010	BATOL	PI	FB		001.6	VIO		R			AA 02600		EE A
	010	CFVNZ	IF	FB			IBTL					AA 02600 GI 02200		E I
	020	BATOL	CF	FB		227.0	IBTL	2.98		BT		GI 02200 GS 02172		E F
	030	RW23R	CF	FO		227.0	IBTL	2.98				AT 00978		GY M
	040		CA	FB		226.6						AA 01500		M
	050		VI	FB		215.0								
	060	LEROY	CF	FO		270.4	AZO					AA 03000		EY
	070	LEROY	HM	FO		090.4			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
AZO	N421413.14	W0853311.35
VIO	N424712.18	W0852949.45
LEROY	N421418.08	W0852030.25
BATOL	N422142.35	W0851102.72
CFVNZ	N422611.60	W0850527.74
IBTL (LOC)	N421737.22	W0851606.71
BT	N422143.24	W0851104.20

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW23R	N421857.37	W0851427.41	00928	49.4

QUALITY
28
CHECKED

CITY AND STATE
BATTLE CREEK, MI

ELEVATION: **952** TDZE: **929**
AIRPORT NAME:
W K KELLOGG

FACILITY
IDENTIFIER:
I-BTL

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 23R, AMDT 19
15 SEPTEMBER 2016

SUP:
AMDT: **18A**
DATED: **04/02/2015**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KBTL

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
BATOL	010	BATOL	PI	FB		001.6	VIO		R			AA 02600		EE A
	010	CFVNZ	IF	FB			IBTL					AA 02600		E I
	020	BATOL	CF	FB		227.0	IBTL			BT		AA 02200		E F
	030	RW23R	CF	FO		227.0	IBTL	3.09				AT 00978		GY M
	040		CA	FB		226.6						AA 01500		M
	050		VI	FB		215.0								
	060	LEROY	CF	FO		270.4	AZO					AA 03000		EY
	070	LEROY	HM	FO		090.4			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
AZO	N421413.14	W0853311.35
VIO	N424712.18	W0852949.45
LEROY	N421418.08	W0852030.25
BATOL	N422142.35	W0851102.72
CFVNZ	N422611.60	W0850527.74
IBTL (LOC)	N421737.22	W0851606.71
BT	N422143.24	W0851104.20

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW23R	N421857.37	W0851427.41	00928	49.4

QUALITY
28
CHECKED

CITY AND STATE
BATTLE CREEK, MI

ELEVATION: **952** TDZE: **929**
AIRPORT NAME:
W K KELLOGG

FACILITY
IDENTIFIER:
I-BTL

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
ILS OR LOC RWY 23R, AMDT 19
15 SEPTEMBER 2016

SUP:
AMDT: **18A**
DATED: **04/02/2015**

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27							Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: 3.74 NM AFTER BATOL LOM						
										CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3000 DIRECT BATOL LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.						
										ADDITIONAL FLIGHT DATA: HOLD NE, RT, 226.61 INBOUND. CHART FAS OBST: 1125 BLDG 421934N/0851120W 1152 AAO 422033N/0851030W CHART: ASR. BATOL LOM TO RW23R: 3.08/49. CHART CIRCLING ICON						
1. PT L SIDE OF COURSE 046.35 OUTBOUND 2600 FT WITHIN 10 MILES OF BATOL LOM (IAF)																
2.																
3. FAC 226.35 FAF BATOL LOM DIST FAF TO MAP 3.74 THLD 3.74																
4. MIN. ALT BATOL LOM 2200																
8. MSA FROM: BT LOM 3000										MAG VAR: 4W EPOCH YEAR: 1985						
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		STANDARD @							
CATEGORY =====>		A			B			C			D			E		
		MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-23R		1480	4000	551	1480	4000	551	1480	6000	551	1480	6000	551			
CIRCLING		1480	1	528	1480	1	528	1520	1 5/8	568	1520	2	568			
NOTES:																
CHART NOTE: CIRCLING TO RWY 5R/23L/31 NA AT NIGHT. @ NA WHEN LOCAL WEATHER NOT AVAILABLE.																
CHART PLANVIEW NOTE: RADAR REQUIRED.																
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GRAND RAPIDS ALTIMETER SETTING:																
INCREASE ALL MDA 120 FEET, INCREASE S-23R CATS C AND D VISIBILITY TO 1 1/2 SM AND CIRCLING CAT C																
(CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 952 TDZE: 929			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP					
BATTLE CREEK, MI		AIRPORT NAME:			BTL		NDB RWY 23R, AMDT 19				AMDT		18A			
		W K KELLOGG					15 SEPTEMBER 2016				DATE		04/02/2015			

**NDB STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - - TITLE 14 CFR PART 97.27**

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NOTES, (CONT.):

VISIBILITY TO 2 SM AND CAT D TO 2 1/4 SM.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-23R CAT D VISIBILITY TO 1 5/8 SM.

CHART NOTE: FOR INOPERATIVE ALS WHEN USING GRAND RAPIDS ALTIMETER, INCREASE S-23R CAT C/D
VISIBILITY TO 1 7/8 SM.

CITY AND STATE

BATTLE CREEK, MI

ELEVATION: 952

TDZE: 929

AIRPORT NAME:

W K KELLOGG

FACILITY
IDENTIFIER:

BTL

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB RWY 23R, AMDT 19

15 SEPTEMBER 2016

SUP:

AMDT: 18A

DATED: 04/02/2015

QUALITY
23
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - TITLE 14 CFR PART 97.27

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

ARINC SUMMARY - KBTL

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
BT	010	BT	PI	FB		001.4	BT		R			AA 02600		N A
BT	020	BT	CF	FB		226.4	BT					AA 02200		NE
	020	BT	IF	FB			BT			BT		AA 02200		N F
	030	RW23R	CF	FO		226.4	BT	3.08				AT 00977		GY M
	040		CA	FB		226.4						AA 01500		M
	050	BT	DF	FO					L			AA 03000		NY
	060	BT	HM	FO		226.6	BT		R			AA 03000		NE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BT	N422143.24	W0851104.20

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW23R	N421857.37	W0851427.41	00928	49

QUALITY
28
CHECKED

CITY AND STATE
BATTLE CREEK, MI

ELEVATION: **952** TDZE: **929**
AIRPORT NAME:
W K KELLOGG

FACILITY
IDENTIFIER:
BTL

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
NDB RWY 23R, AMDT 19
15 SEPTEMBER 2016

SUP:
AMDT: **18A**
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: 5.07 NM AFTER ECELE INT/I-JVW 6.14 DME/RADAR OR AT I-JVW 1.07 DME FIX CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2900 ON HEADING 316 AND ON MHZ VORTAC R-271 TO CIGDA INT/I-JVW 14.63 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA (DO NOT CHART): CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2900 ON HEADING 316 AND RADAR VECTORS TO (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW CIGDA INT/I-JVW 14.63 DME/RADAR, RT, 123.50 INBOUND. CHART FAS OBST: 347 TREE 321934N/0902630W CHART VDP AT 2.27 DME* DISTANCE VDP TO THLD 1.19 NM. *LOC ONLY. CHART CIRCLING ICON									
MHZ VORTAC		CIGDA INT/I-JVW 14.63 DME/RADAR		271.06 / 27.46		2900											
HEDUD INT/I-JVW 17.81 DME/RADAR (IAF)		CIGDA INT/I-JVW 14.63 DME/RADAR (NOPT)		123.50 / 3.18 (I-JVW)		2900											
CIGDA INT/I-JVW 14.63 DME/RADAR (IF/IAF)		ECELE INT/6.14 DME/RADAR		123.50 / 8.49 (I-JVW)		1900											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW CIGDA, RT, 123.50 INBOUND, 2900 FT. IN LIEU OF PT (IAF) 3. FAC: 123.50 FAF: ECELE INT/6.14 DME/RADAR DIST FAF TO MAP: 5.07 THLD: 5.07 4. MIN. ALT: CIGDA 2900, ECELE 1900, FIVSO INT/2.77 DME 760* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: 1000 6. MIN GS INCPT: 1900 GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 46.7 8. MSA FROM: MHZ VORTAC 3500										MAG VAR: 0E		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 12		441	3/4	200	441	3/4	200	441	3/4	200	441	3/4	200				
S-LOC 12		760	1	519	760	1	519	760	1 3/8	519	760	1 3/8	519				
CIRCLING		800	1	553	800	1	553	980	2	733	980	2 1/4	733				
FIVSO FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)																	
S-LOC 12		660	1	419	660	1	419	660	1 1/8	419	660	1 1/8	419				
CIRCLING		800	1	553	800	1	553	980	2	733	980	2 1/4	733				
NOTES: CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT. CHART NOTE: VDP NA WITH HAWKINS FIELD ALTIMETER SETTING. *800 WHEN USING HAWKINS FIELD ALTIMETER SETTING. CHART NOTE: CIRCLING NA FOR CAT D SW OF RWY 12-30. (CONTINUED ON PAGE 2)																	
CITY AND STATE RAYMOND, MS		ELEVATION: 247 TDZE: 241 AIRPORT NAME: JOHN BELL WILLIAMS		FACILITY IDENTIFIER: I-JVW		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 12, AMDT 1C 15 SEPTEMBER 2016						SUP: AMDT: DATED 08/20/2015					

**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.

MISSED APPROACH INSTRUCTIONS, (CONT.):

CIGDA INT/I-JVW 14.63 DME AND HOLD. RADAR REQUIRED.

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE HAWKINS FIELD ALTIMETER SETTING:

**INCREASE ALL DA 36 FT, ALL MDA 40 FT, S-LOC 12 CAT C AND D VISIBILITIES 1/4 MILE, AND CIRCLING
CAT C AND D VISIBILITIES 1/4 MILE, INCREASE FIVSO FIX MINIMUMS S-LOC 12 CAT C AND D VISIBILITIES
1/4 MILE AND CIRCLING CAT C AND D VISIBILITIES 1/4 MILE.**

CITY AND STATE

RAYMOND, MS

ELEVATION: 247**TDZE: 241**

AIRPORT NAME:

JOHN BELL WILLIAMS

FACILITY
IDENTIFIER:

I-JVW

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 12, AMDT 1C

15 SEPTEMBER 2016

SUP:

4

AMDT:

1B

DATED:

08/20/2015

QUALITY

CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE											
										ADDITIONAL FLIGHT DATA:									
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)																			
2. _____																			
3. FAC ____ FAF _____ DIST FAF TO MAP ____ THLD _____																			
4. MIN. ALT _____																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 15 SEPTEMBER 2016																			
CITY AND STATE RAYMOND, MS		ELEVATION: 247 AIRPORT NAME: JOHN BELL WILLIAMS		TDZE: 241		FACILITY IDENTIFIER: RYB		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB RWY 12, AMDT 3B, 08/20/2015						SUP AMDT 3A DATE 12/11/2014					

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION VOR STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.					
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO			COURSE AND DISTANCE			ALTITUDE		MAP: 5.38 NM AFTER LOBOY INT/GRI 9.96 DME OR AT GRI 15.35 DME FIX					
GRI VOR/DME (IF/IAF)		LOBOY INT/GRI 9.96 DME			103.21 / 9.96			3500		CLIMB TO 3500 THEN LEFT TURN VIA GRI R-103 TO LOBOY INT/GRI 9.96 DME AND HOLD.					
										ADDITIONAL FLIGHT DATA: HOLD W, LT, 103.21 INBOUND. CHART FAS OBST: 1982 ELEVATOR 405500N/0975945W CHART 2155 TWR (28-0934) 405613N/0980642W.					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)															
2. PROFILE STARTS AT GRI VOR/DME _____															
3. FAC 103.21 FAF LOBOY INT/GRI 9.96 DME _____ DIST FAF TO MAP 5.38 THLD _____															
4. MIN. ALT GRI VOR/DME 3500, LOBOY 3500, GRI 13.00 DME 2420															
8. MSA FROM: GRI VOR/DME 4100										MAG VAR: 7E			EPOCH YEAR: 1995		
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	2420	1	617	2420	1	617	2420	1 3/4	617	2420	2	617			
DME MINIMUMS															
CIRCLING	2300	1	497	2340	1	537	2340	1 1/2	537	2360	2	557			
NOTES:															
CITY AND STATE AURORA, NE		ELEVATION: 1803 AIRPORT NAME: AURORA MUNI - AL POTTER FIELD		TDZE:		FACILITY IDENTIFIER: GRI		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 6B 15 SEPTEMBER 2016				SUP AMDT 6A DATE 10/03/2002			

QUALITY
24
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION GPS OR NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH											
FROM			TO			COURSE AND DISTANCE			ALTITUDE		MAP: CNP NDB										
SNY VOR/DME			CNP NDB			079.72 / 23.82			5900		CLIMB TO 5500 THEN RIGHT TURN DIRECT CNP NDB AND HOLD.										
										ADDITIONAL FLIGHT DATA: HOLD SE, RT, 312.00 INBOUND. CHART FAS OBST: 3959 TREES 410240N/1022755W FAC CROSSES RWY C/L EXTENDED 3733 FT FROM THLD.											
1. PT <u>L</u> SIDE OF COURSE <u>132.00</u> OUTBOUND <u>5500</u> FT WITHIN <u>10</u> MILES OF <u>CNP NDB</u> (IAF)																					
2.																					
3. FAC <u>312.00</u> FAF										DIST FAF TO MAP THLD											
4. MIN. ALT																					
8. MSA FROM: CNP NDB 360-180 5400, 180-360 5900										MAG VAR: 10E EPOCH YEAR: 1990											
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N		A		X							
CATEGORY =====>		A			B			C			D			E							
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA						
S-30	4460	1	778	4460	1 1/4	778	4460	2 1/4	778	4460	2 1/2	778									
CIRCLING	4540	1	858	4540	1 1/4	858	4540	2 1/2	858	4600	3	918									
SCOTTSBLUFF ALTIMETER SETTING MINIMUMS																					
S-30	4520	1	838	4520	1 1/4	838	4520	2 1/2	838	4520	2 3/4	838									
CIRCLING	4600	1 1/4	918	4600	1 1/4	918	4600	2 3/4	918	4660	3	978									
NOTES:																					
CHART NOTE: USE SIDNEY ALTIMETER SETTING; IF NOT RECEIVED, USE SCOTTSBLUFF ALTIMETER SETTING.																					
CITY AND STATE CHAPPELL, NE		ELEVATION: 3682 TDZE: 3682 AIRPORT NAME: BILLY G RAY FIELD			FACILITY IDENTIFIER: CNP		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: NDB OR GPS RWY 30, AMDT 2B 15 SEPTEMBER 2016					SUP AMDT DATE		2A 08/27/2009							

QUALITY
24
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		LPV: DA LNAV: RW13													
SNY VOR/DME				FEKAP (FO)			304.49 / 12.81				6500		CLIMB TO 6000 DIRECT GIGDE AND HOLD.													
APAYU (IAF)				FEKAP (NOPT) (FB)			067.23 / 9.89				6500															
JENUK (IAF)				FEKAP (NOPT) (FB)			172.19 / 9.00				6500															
FEKAP (IF/IAF)				SAKAY (FB)			123.81 / 6.91				6000															
SAKAY (FAF)				RW13 (MAP) (FO)			123.88 / 5.09																			
RW13 (MAP)				4563 MSL			123.88				6000		ADDITIONAL FLIGHT DATA: HOLD SE, RT, 304.05 INBOUND. FAS OBST: 4539 AAO 410945N/1030223W DISTANCE TO THLD FROM 250 HAT: 0.65 NM. CHART VDP AT 1.39 NM TO RW13* *LNAV ONLY. WAAS CHANNEL # 82303 REFERENCE PATH ID: W13A 4569 AAO 411029N/1030327W LTP HAE: 1295 M													
4563 MSL				GIGDE (FO)																						
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 11E EPOCH YEAR: 1980												
2. HOLD NW FEKAP, RT, 123.81 INBOUND, 6500 FT. IN LIEU OF PT (IAF)																										
3. FAC: 123.88 FAF: SAKAY DIST FAF TO MAP: 5.09 THLD: 5.09																										
4. MIN. ALT: FEKAP 6500, SAKAY 6000																										
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																										
6. MIN GS INCPT: 6000 GS ALT AT: SAKAY 6000 OM: _____ MM: _____ IM: _____																										
7. GS ANGLE: 3.00 TCH: 44.0 34:1 IS CLEAR																										
8. MSA FROM: RW13 6300																										
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	4563	3/4	250	4563	3/4	250	4563	3/4	250	4563	3/4	250														
LNAV MDA	4800	1	487	4800	1	487	4800	1 1/4	487	4800	1 1/2	487														
CIRCLING	4800	1	487	4800	1	487	4800	1 1/2	487	4880	2	567														
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP NA WHEN USING KIMBALL ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KIMBALL ALTIMETER SETTING AND INCREASE ALL DA/MDA 160 FEET, AND INCREASE LPV ALL CATS VISIBILITY 3/4 MILE, LNAV CATS C AND D VISIBILITY (CONTINUED ON PAGE 2)																										
CITY AND STATE SIDNEY, NE				ELEVATION: 4313 TDZE: 4313 AIRPORT NAME: SIDNEY MUNI/LLOYD W CARR FIELD				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 2A 15 SEPTEMBER 2016					SUP: AMDT: 2 DATED 07/31/2008											

QUALITY
24
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.

NOTES, (CONT.):

1/2 MILE AND CIRCLING CATS C AND D VISIBILITY 1/4 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SNY VOR/DME VIA V138 EASTBOUND.

CITY AND STATE

SIDNEY, NE

ELEVATION: 4313

TDZE: 4313

AIRPORT NAME:

SIDNEY MUNI/LLOYD W CARR FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, AMDT 2A

15 SEPTEMBER 2016

SUP:

AMDT:

DATED: 07/31/2008

QUALITY
24

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	KSNY
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	410627.7780N
LTP/FTP LONGITUDE	1025937.5400W
LTP/FTP ELLIPSOIDAL HEIGHT	+12950
FPAP LATITUDE	410524.8100N
FPAP LONGITUDE	1025814.1100W
THRESHOLD CROSSING HEIGHT (TCH)	00044.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0736
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 762599A7

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+13147
FPAP ORTHOMETRIC HEIGHT	+13147

CITY AND STATE

SIDNEY, NE

ELEVATION: 4313

TDZE: 4313

AIRPORT NAME:

SIDNEY MUNI/LLOYD W CARR FIELD

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, AMDT 2A

15 SEPTEMBER 2016

SUP:

AMDT:

DATED:

 QUALITY
24
CHECKED

2

07/31/2008

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 - KSNY 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
APAYU	010	APAYU	IF	FB										E A
APAYU	020	FEKAP	TF	FB	1.0	067.2						AA 06500		EE B
JENUK	010	JENUK	IF	FB										E A
JENUK	020	FEKAP	TF	FB	1.0	172.2						AA 06500		EE B
SNY	010	SNY	IF	FB										V
SNY	020	FEKAP	TF	FO	2.0	304.5						AA 06500		EY
SNY	030	FEKAP	HF	FO		123.8			R			AA 06500		EE A
	010	FEKAP	IF	FB								AA 06500		E I
	020	SAKAY	TF	FB	1.0	123.8				RW13		AA 06000		E F
	030	RW13	TF	FO	0.3	123.9		3.00				AT 04357		GY M
	040		CA	FB		123.9						AA 04563		M
	050	GIGDE	DF	FO								AA 06000		EY
	060	GIGDE	HM	FO		304.1			R			AA 06000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
SNY			N410548.00			W1025858.80								
APAYU			N411255.64			W1032343.26								
JENUK			N412355.36			W1031013.43								
FEKAP			N411456.01			W1031053.32								
GIGDE			N405746.30			W1024808.65								
SAKAY			N411003.34			W1030423.63								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW13		N410627.78		W1025937.54		04313		44.0						

QUALITY
24
CHECKED

CITY AND STATE SIDNEY, NE	ELEVATION: 4313 TDZE: 4313 AIRPORT NAME: SIDNEY MUNI/LLOYD W CARR FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 13, AMDT 2A 15 SEPTEMBER 2016	SUP: AMDT: 2 DATED: 07/31/2008
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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		LNAV: RW31							
SNY VOR/DME		GIGDE (FO)		123.32 / 11.47			6000		CLIMB TO 6500 DIRECT FEKAP AND HOLD.							
HINGA (IAF)		GIGDE (NOPT) (FB)		033.07 / 16.34			6000									
KESSE (IAF)		GIGDE (NOPT) (FB)		226.12 / 14.08			6000									
GIGDE (IF/IAF)		IFLIP (FB)		304.05 / 6.02			6000									
IFLIP (FAF)		RW31 (MAP) (FO)		303.99 / 5.18			6500		ADDITIONAL FLIGHT DATA: HOLD NW, RT, 123.81 INBOUND. FAS OBST: 4489 AAO 410132N/1025451W CHART VDP AT 1.29 NM TO RW31. IFLIP TO RW31: 3.00/47							
RW31 (MAP)		4713 MSL		303.99												
4713 MSL		FEKAP (FO)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. HOLD SE GIGDE, RT, 304.05 INBOUND, 6000 FT. IN LIEU OF PT (IAF)																
3. FAC: 303.99 FAF: IFLIP DIST FAF TO MAP: 5.18 THLD: 5.18																
4. MIN. ALT: GIGDE 6000, IFLIP 6000																
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: RW31 6300																
MAG VAR: 11E 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	4740	1	450	4740	1	450	4740	1 1/4	450	4740	1 1/2	450				
CIRCLING	4760	1	447	4780	1	467	4780	1 1/2	467	4880	1 1/2	567				
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE KIMBALL ALTIMETER SETTING AND INCREASE ALL MDA 160 FT, LNAV CATS C AND D VISIBILITY 1/2 MILE, CIRCLING CATS C AND D 1/4 MILE. CHART NOTE: VDP NA WHEN USING KIMBALL ALTIMETER SETTING.																
CITY AND STATE SIDNEY, NE		ELEVATION: 4313 TDZE: 4290 AIRPORT NAME: SIDNEY MUNI/ILLOYD W CARR FIELD				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 2A 15 SEPTEMBER 2016				SUP: AMDT: 2 DATED 07/31/2008				

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 - KSNY 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
HINGA	010	HINGA	IF	FB										E A
HINGA	020	GIGDE	TF	FB	1.0	033.1						AA 06000		EE B
KESSE	010	KESSE	IF	FB										E A
KESSE	020	GIGDE	TF	FB	1.0	226.1						AA 06000		EE B
SNY	010	SNY	IF	FB										V
SNY	020	GIGDE	TF	FO		123.3						AA 06000		EY A
SNY	030	GIGDE	HF	FO		304.1			R			AA 06000		EE A
	010	GIGDE	IF	FB								AA 06000		E I
	020	IFLIP	TF	FB	1.0	304.1				RW31		AA 06000		E F
	030	RW31	TF	FO	0.3	304.0		3.00				AT 04328		GY M
	040		CA	FB		304.0						AA 04713		M
	050	FEKAP	DF	FO								AA 06500		EY
	060	FEKAP	HM	FO		123.8			R			AA 06500		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
SNY			N410548.00			W1025858.80								
HINGA			N404602.36			W1030308.99								
KESSE			N410526.32			W1023231.93								
FEKAP			N411456.01			W1031053.32								
GIGDE			N405746.30			W1024808.65								
IFLIP			N410202.12			W1025346.03								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW31		N410541.73		W1025836.53		04281		47						

QUALITY
4
CHECKED

CITY AND STATE SIDNEY, NE	ELEVATION: 4313 TDZE: 4290 AIRPORT NAME: SIDNEY MUNI/LLOYD W CARR FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 31, AMDT 2A 15 SEPTEMBER 2016	SUP: AMDT: 2 DATED: 07/31/2008
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U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

NDB STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27

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

TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		MAP: JYR NDB					
GRI VOR/DME		JYR NDB		092.05 / 32.15				3400		CLIMB TO 3000 THEN CLIMBING RIGHT TURN TO 3300 DIRECT JYR NDB AND HOLD.					
										ADDITIONAL FLIGHT DATA: HOLD NW, RT, 153.00 INBOUND. FAS OBST: 1949 AAO 410105N/0974428W FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.					

1. PT L SIDE OF COURSE 333.12 OUTBOUND 3300 FT WITHIN 10 MILES OF JYR NDB (IAF)

2.

3. FAC 153.12 FAF DIST FAF TO MAP THLD

4. MIN. ALT

8. MSA FROM: JYR NDB 4100

MAG VAR: 6E EPOCH YEAR:1995

MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		X						
CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-17	2300	1	635	2300	1	635	2300	1 3/4	635		NA				
CIRCLING	2300	1	630	2300	1	630	2300	1 3/4	630		NA				

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AURORA ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE STRAIGHT-IN AND CIRCLING VISIBILITIES CAT C 1/4 MILE.

CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.

CITY AND STATE

YORK, NE

ELEVATION: 1670

TDZE: 1665

AIRPORT NAME:

YORK MUNI

FACILITY IDENTIFIER:

JYR

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

NDB RWY 17, AMDT 6A

15 SEPTEMBER 2016

SUP

AMDT

DATE

6

10/22/2009

QUALITY
24
CHECKED

FAA FORM 8260-5 / April 2006 (computer generated)

PAGE 1 OF 1 PAGES

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH											
FROM			TO			COURSE AND DISTANCE				ALTITUDE		MAP: JYR NDB									
GRI VOR/DME			JYR NDB			092.05 / 32.15				3400		CLIMB TO 3000 THEN CLIMBING LEFT TURN TO 3300 DIRECT JYR NDB AND HOLD.									
										ADDITIONAL FLIGHT DATA: HOLD S, LT, 002.00 INBOUND. CHART FAS OBST: 2012 TWR (28-0880) 405027N/0973559W CHART 1811 TOWER 405628N/0973700W. FAC CROSSES RWY C/L EXTENDED 3712 FT FROM THLD.											
1. PT <u> R </u> SIDE OF COURSE <u> 182.00 </u> OUTBOUND <u> 3300 </u> FT WITHIN <u> 10 </u> MILES OF <u> JYR NDB </u> (IAF)																					
2.																					
3. FAC <u> 002.00 </u> FAF										DIST FAF TO MAP THLD											
4. MIN. ALT																					
8. MSA FROM: JYR NDB 4100										MAG VAR: 6E EPOCH YEAR:1995											
MINIMUMS																					
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N		A		X							
CATEGORY =====>		A			B			C			D			E							
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA						
S-35	2420	1	750	2420	1 1/4	750	2420	2 1/4	750		NA										
CIRCLING	2420	1	750	2420	1 1/4	750	2420	2 1/4	750		NA										
NOTES:																					
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE AURORA ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.																					
CITY AND STATE		ELEVATION: 1670		TDZE: 1670		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP									
YORK, NE		AIRPORT NAME:		YORK MUNI		JYR		NDB RWY 35, AMDT 4B				AMDT 4A									
								15 SEPTEMBER 2016				DATE 05/07/2009									



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		LPV: DA LNAV/VNAV: DA LNAV: RW22L CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT KILMA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 072.00 INBOUND. CHART FAS OBST: 290 STACK 404417N/0740736W DISTANCE TO THLD FROM 200 HAT: 0.47 NM. CHART VDP AT 1.47 NM TO RW22L* *LNAV ONLY. WAAS CHANNEL # 70324 REFERENCE PATH ID: W22A CHART CIRCLING ICON. LTP HAE: -29.1 M					
HEVNU (IF)		CUBMO (FB)		218.90 / 4.07				3000							
CUBMO		OSUSE (FB)		218.89 / 1.75				2500							
OSUSE (FAF)		JINLA/3.20 NM TO RW22L (FB)		218.88 / 4.48											
JINLA/3.20 NM TO RW22L		RW22L (MAP) (FO)		218.88 / 3.20											
RW22L (MAP)		600 MSL		218.88				600							
600 MSL		KILMA (FO)						3000							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HEVNU 3. FAC: 218.88 FAF: OSUSE DIST FAF TO MAP: 7.68 THLD: 7.68 4. MIN. ALT: HEVNU 3000, CUBMO 3000, OSUSE 2500, JINLA/3.20 NM TO RW22L 1080* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2500 GS ALT AT: OSUSE 2500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 42.8 34:1 IS CLEAR 8. MSA FROM: RW22L 2900										MAG VAR: 13W		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	211	2400	200	211	2400	200	211	2400	200	211	2400	200			
LNAV/VNAV DA	430	5000	419	430	5000	419	430	5000	419	430	5000	419			
LNAV MDA	540	2400	529	540	2400	529	540	5500	529	540	5500	529			
CIRCLING	720	1	703	820	1	803	900	2 3/4	883	900	3	883			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -13C (9F) OR ABOVE 54C (130F). @ CAT B 900-2, CAT C 900-2 3/4, CAT D 900-3 CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 17 TDZE: 11				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
NEWARK, NJ		AIRPORT NAME:						RNAV (GPS) Z RWY 22L, AMDT 2				AMDT: 1E			
		NEWARK LIBERTY INTL						15 SEPTEMBER 2016				DATED 11/15/2012			



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.):

*LNAV ONLY

CHART NOTE: CIRCLING RWY 29 NA AT NIGHT.

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 MILE.

QUALITY
25
CHECKED

CITY AND STATE NEWARK, NJ	ELEVATION: 17 TDZE: 11 AIRPORT NAME: NEWARK LIBERTY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 22L, AMDT 2 15 SEPTEMBER 2016	SUP:
				AMDT: 1E
				DATED: 11/15/2012

**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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KEWR
RUNWAY	RW22L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	404152.2970N
LTP/FTP LONGITUDE	0740940.8730W
LTP/FTP ELLIPSOIDAL HEIGHT	-00291
FPAP LATITUDE	404032.0440N
FPAP LONGITUDE	0741031.8960W
THRESHOLD CROSSING HEIGHT (TCH)	00042.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0248
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

4B85A32F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00032
FPAP ORTHOMETRIC HEIGHT	+00032

QUALITY
25
CHECKED

CITY AND STATE NEWARK, NJ	ELEVATION: 17 TDZE: 11 AIRPORT NAME: NEWARK LIBERTY INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 22L, AMDT 2 15 SEPTEMBER 2016	SUP:
				AMDT: 1E
				DATED: 11/15/2012

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 - KEWR

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
	010	HEVNU	IF	FB								AA 03000		E I
	011	CUBMO	TF	FB	1.0	218.9						AA 03000		E
	020	OSUSE	TF	FB	1.0	218.9				RW22L		AA 02500		E F
	021	JINLA	TF	FB	0.3	218.9		3.00				AA 01080 GS 01080		E S
	030	RW22L	TF	FO	0.3	218.9		3.00				AT 00053		GY M
	040		CA	FB		218.9						AA 00600		M
	050	KILMA	DF	FO					R			AA 03000		EY
	060	KILMA	HM	FO		072.0			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
KILMA	N402909.70	W0742408.82
CUBMO	N405022.06	W0740415.89
HEVNU	N405401.85	W0740155.35
JINLA	N404445.21	W0740750.81
OSUSE	N404847.39	W0740516.36

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW22L	N404152.30	W0740940.87	00011	43

QUALITY
25
CHECKED

CITY AND STATE NEWARK, NJ	ELEVATION: 17 TDZE: 11	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 22L, AMDT 2 15 SEPTEMBER 2016	SUP:
	AIRPORT NAME: NEWARK LIBERTY INTL			AMDT: 1E
				DATED: 11/15/2012

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 CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 3000 DIRECT KILMA AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 072.00 INBOUND. DISTANCE TO THLD FROM 425 HAT: 1.20 NM. CHART MANDATORY 3000 AT CUBMO. ROUTE TYPE QUALIFIER 1: F ROUTE TYPE QUALIFIER 2: S ROUTE TYPE: A, H #TCH: 53.4 MSL (DO NOT CHART)						
HEVNU (IF)		CUBMO (TF) (FB) (RNP 1.00)		218.90 / 4.07			3000								
CUBMO		OSUSE (TF) (FB) (RNP 1.00)		218.89 / 1.75			2500								
OSUSE (FAF)		RW22L (MAP) (TF) (FO)		218.88 / 7.68											
RW22L (MAP)		600 MSL (CA)		218.88			600								
600 MSL		KILMA (DF) (FO)					3000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HEVNU 3. FAC: <u>218.88</u> FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: HEVNU 3000, CUBMO 3000, OSUSE 2500 5. DIST TO THLD FROM OM: <u>7.68</u> MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>2500</u> GS ALT AT: OSUSE 2500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>42.8</u> # <u>34:1</u> IS CLEAR 8. MSA FROM: RW22L 2900											MAG VAR: 13W 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
AUTHORIZATION REQUIRED															
RNP 0.30 DA	436	5000	425	436	5000	425	436	5000	425	436	5000	425			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -13C (9F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).															
CITY AND STATE NEWARK, NJ		ELEVATION: 17 TDZE: 11 AIRPORT NAME: NEWARK LIBERTY INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (RNP) Y RWY 22L, AMDT 1 15 SEPTEMBER 2016						SUP:			
												AMDT: ORIG-H			
												DATED 12/11/2014			

QUALITY
 25
 CHECKED

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.

QUALITY
25
CHECKED

CITY AND STATE
NEWARK, NJ

ELEVATION: 17 TDZE: 11
AIRPORT NAME:
NEWARK LIBERTY INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (RNP) Y RWY 22L, AMDT 1
15 SEPTEMBER 2016

SUP:
AMDT: ORIG-H
DATED: 12/11/2014

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (RNP) 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 - KEWR

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
	010	HEVNU	IF	FB								AA 03000		E I
	011	CUBMO	TF	FB	1.0							AT 03000		E
	020	OSUSE	TF	FB	1.0					RW22L		AA 02500		E F
	030	RW22L	TF	FO	0.3			3.00				AT 00053		GY M
	040		CA	FB		218.9						AA 00600		M
	050	KILMA	DF	FO								AA 03000		EY
	060	KILMA	HM	FO		072.0			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
KILMA	N402909.70	W0742408.82
CUBMO	N405022.06	W0740415.89
HEVNU	N405401.85	W0740155.35
OSUSE	N404847.39	W0740516.36

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW22L	N404152.30	W0740940.87	00011	42.8

QUALITY
28
CHECKED

CITY AND STATE NEWARK, NJ	ELEVATION: 17	TDZE: 11	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 22L, AMDT 1 15 SEPTEMBER 2016	SUP:
	AIRPORT NAME: NEWARK LIBERTY INTL				AMDT: ORIG-H
					DATED: 12/11/2014

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: 5.46 NM AFTER DUDLE LOM																				
ABQ VORTAC				DUDLE LOM				013.11 / 11.54						7900			CLIMB TO 6500 THEN CLIMBING RIGHT TURN 7700 DIRECT DUDLE LOM AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 7500 THEN CLIMBING RIGHT TURN TO 9000 ON ABQ VORTAC R-316 TO AWASH AND HOLD.																				
																	ADDITIONAL FLIGHT DATA: CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW AWASH, RT, 136.00 INBOUND. CHART FAS OBST: 5886 GRD [SHORT_TERM] 350954N/1064619W CHART IN PLANVIEW: AWASH. CHART CIRCLING ICON. CHART (CFVLF) AT 351555.88N/1063852.72W																				
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																																					
2. HOLD NE DUDLE LOM, RT, 215.19 INBOUND, 7700 FT. IN LIEU OF PT (IAF)																																					
3. FAC: 215.19 FAF: DUDLE LOM DIST FAF TO MAP: 5.46 THLD: 5.46																																					
4. MIN. ALT: DUDLE LOM 7700																																					
5. DIST TO THLD FROM OM: 5.46 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 997																																					
6. MIN GS INCPT: 7700 GS ALT AT: - OM: 7629 MM: - IM: -																																					
7. GS ANGLE: 3.00 TCH: 55.0																																					
8. MSA FROM: DUDLE LOM 360-180 11900, 180-360 8100																	MAG VAR: 11E EPOCH YEAR: 1990																				
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 22			6017		1/2	200		6017		1/2	200		6017		1/2	200		6017		1/2	200																
S-LOC 22			6140		1/2	323		6140		1/2	323		6140		1/2	323		6140		1/2	323																
CIRCLING			6400		1	563		6400		1	563		6420		1 1/2	583		6640		2 1/2	803																
NOTES: CHART PLANVIEW NOTE: ADF REQUIRED. CHART NOTE: AUTOPILOT COUPLED APPROACH NA CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBUQUERQUE INTL SUNPORT ALTIMETER SETTING AND INCREASE ALL DA 94 FEET, INCREASE ALL MDA 100 FEET, AND INCREASE VISIBILITY S-LOC 22 (CONTINUED ON PAGE 2)																																					
CITY AND STATE ALBUQUERQUE, NM				ELEVATION: 5837 TDZE: 5817 AIRPORT NAME: DOUBLE EAGLE II				FACILITY IDENTIFIER: I-AEG				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 22, AMDT 3 15 SEPTEMBER 2016										SUP: ILS RWY 22 AMDT: 2B DATED 10/25/2007															

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.

NOTES, (CONT.):
CATS C/D 1/4 MILE, CIRCLING CATS C/D 1/2 MILE.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ALBUQUERQUE INTL SUNPORT ALTIMETER SETTING, INCREASE
VISIBILITY S-ILS 22 ALL CATS 3/8 MILE.

CITY AND STATE ALBUQUERQUE, NM	ELEVATION: 5837	TDZE: 5817	FACILITY IDENTIFIER: I-AEG	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 22, AMDT 3 15 SEPTEMBER 2016	SUP: ILS RWY 22
	AIRPORT NAME: DOUBLE EAGLE II	AMDT: 2B			
	DATED: 10/25/2007				

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: RW04									
ABQ VORTAC			YECUG (FO)			238.84 / 9.62			8800			CLIMB TO 6300 THEN CLIMBING LEFT TURN TO 8600 DIRECT EYIPE AND HOLD.									
LORAT (IAF)			YECUG (NOPT) (FB)			113.16 / 16.60			8800												
CARTY (IAF)			YECUG (NOPT) (FB)			083.11 / 28.32			8800												
STONY (IAF)			YECUG (NOPT) (FB)			026.16 / 17.00			8800												
YECUG (IF/IAF)			ZIVIP (FB)			035.07 / 7.32			7700												
ZIVIP (FAF)			JUSIB/3.00 NM TO RW04 (FB)			035.13 / 2.68						ADDITIONAL FLIGHT DATA: HOLD N, RT, 200.81 INBOUND. CHART FAS OBST: 6011 TREE 350712N/1065054W DISTANCE TO THLD FROM 250 HAT: 0.61 NM. CHART VDP AT 1.28 NM TO RW04* *LNAV ONLY. WAAS CHANNEL # 56339 REFERENCE PATH ID: W04A CHART CIRCLING ICON. 6119 AAO 350548N/1065109W LTP HAE: 1757.7 M									
(SEE FORM 8260-10)																					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																					
2. HOLD SW YECUG, RT, 035.07 INBOUND, 8800 FT. IN LIEU OF PT (IAF)																					
3. FAC: 035.13 FAF: ZIVIP DIST FAF TO MAP: 5.68 THLD: 5.68																					
4. MIN. ALT: YECUG 8800, ZIVIP 7700, JUSIB/3.00 NM TO RW04 6840*																					
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																					
6. MIN GS INCPT: 7700 GS ALT AT: ZIVIP 7700 OM: _____ MM: _____ IM: _____																					
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR																					
8. MSA FROM: RW04 11900												MAG VAR: 11E			EPOCH YEAR: 1990						
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	6037	3/4	200	6037	3/4	200	6037	3/4	200	6037	3/4	200									
LNAV/VNAV DA	6290	1 1/2	453	6290	1 1/2	453	6290	1 1/2	453	6290	1 1/2	453									
LNAV MDA	6300	1	463	6300	1	463	6300	1 3/8	463	6300	1 3/8	463									
CIRCLING	6400	1	563	6400	1	563	6420	1 1/2	583	6640	2 1/2	803									
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBUQUERQUE INTL SUNPORT ALTIMETER SETTING AND INCREASE LPV DA TO 6131 FEET AND LNAV-VNAV DA TO 6384 FEET, INCREASE ALL MDA 100 FEET, AND INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE, LNAV (CONTINUED ON PAGE 2)																					
CITY AND STATE ALBUQUERQUE, NM				ELEVATION: 5837 TDZE: 5837 AIRPORT NAME: DOUBLE EAGLE II				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 15 SEPTEMBER 2016						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
JUSIB/3.00 NM TO RW04	RW04 (MAP) (FO)	035.13 / 3.00	
RW04 (MAP)	6300 MSL	35.13	6300
6300 MSL	EYIPE (FO)		8600

NOTES, (CONT.):

VISIBILITY CAT C/D 1/4 MILE, AND CIRCLING VISIBILITY CATS C/D 1/2 MILE.

CHART NOTE: PROCEDURE NA FOR ARRIVAL ON ABQ VORTAC AIRWAY RADIALS 167 CW 316.

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING ALBUQUERQUE INTL SUNPORT ALTIMETER SETTING.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26C (-14F) OR ABOVE 46C (114F).

QUALITY
6
CHECKED

CITY AND STATE

ALBUQUERQUE, NM

ELEVATION: 5837

TDZE: 5837

AIRPORT NAME:

DOUBLE EAGLE II

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 4, ORIG

15 SEPTEMBER 2016

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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAEG
RUNWAY	RW04
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W04A
LTP/FTP LATITUDE	350819.4990N
LTP/FTP LONGITUDE	1064833.0505W
LTP/FTP ELLIPSOIDAL HEIGHT	+17577
FPAP LATITUDE	350921.2825N
FPAP LONGITUDE	1064714.6485W
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	0496
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

<u>CRC REMAINDER</u>	
	DFB08B62

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+17792
FPAP ORTHOMETRIC HEIGHT	+17792

QUALITY
6
CHECKED

CITY AND STATE ALBUQUERQUE, NM	ELEVATION: 5837 TDZE: 5837 AIRPORT NAME: DOUBLE EAGLE II	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 15 SEPTEMBER 2016	SUP:
				AMDT: NONE
				DATED:

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 - KAEG

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
ABQ	010	ABQ	IF	FB										V
ABQ	020	YECUG	TF	FO	2.0	238.8						AA 08800		EY
ABQ	030	YECUG	HF	FO		035.1			R			AA 08800		EE A
CARTY	010	CARTY	IF	FB										E A
CARTY	020	YECUG	TF	FB	1.0	083.1						AA 08800		EE B
LORAT	010	LORAT	IF	FB										E A
LORAT	020	YECUG	TF	FB	1.0	113.2						AA 08800		EE B
STONY	010	STONY	IF	FB										E A
STONY	020	YECUG	TF	FB	1.0	026.2						AA 08800		EE B
	010	YECUG	IF	FB								AA 08800		E I
	020	ZIVIP	TF	FB	1.0	035.1				RW04		AA 07700		E F
	021	JUSIB	TF	FB	0.3	035.1		3.00				AA 06840 GS 06848		E S
	030	RW04	TF	FO	0.3	035.1		3.00				AT 05892		GY M
	040		CA	FB		035.1						AA 06300		M
	050	EYIPE	DF	FO					L			AA 08600		EY
	060	EYIPE	HM	FO		200.8			R			AA 08600		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
ABQ	N350237.66	W1064858.72
CARTY	N350124.75	W1073420.43
LORAT	N350839.44	W1071641.32
STONY	N344544.59	W1071227.74
EYIPE	N351813.23	W1063834.98
JUSIB	N350614.64	W1065111.34
YECUG	N345918.02	W1065958.00
ZIVIP	N350423.23	W1065332.40

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW04	N350819.50	W1064833.05	05837	55

CITY AND STATE ALBUQUERQUE, NM	ELEVATION: 5837 TDZE: 5837	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 4, ORIG 15 SEPTEMBER 2016	SUP: 4 QUALITY
	AIRPORT NAME: DOUBLE EAGLE II			AMDT: NONE CHECKED
	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		LPV: DA LNAV/VNAV: DA LNAV: RW22 CLIMB TO 8800 DIRECT YECUG AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 035.07 INBOUND. CHART FAS OBST: 5922 CTRL TWR 350915N/1064753W DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.05 NM TO RW22* *LNAV ONLY. WAAS CHANNEL # 42539 REFERENCE PATH ID: W22A CHART CIRCLING ICON. LTP HAE: 1749.5 M									
ABQ VORTAC				EYIPE (FO)				017.65 / 17.75				9000											
DULKE				EYIPE (FO)				270.52 / 18.23				13000											
FRIHO (IAF)				EYIPE (NOPT) (FB)				166.73 / 8.06				8600											
NELGE (IAF)				EYIPE (NOPT) (FB)				226.49 / 6.25				8600											
EYIPE (IF/IAF)				CUTIX (FB)				200.81 / 5.94				7700											
CUTIX (FAF)				RW22 (MAP) (FO)				215.24 / 5.76				8800											
RW22 (MAP)				6017 MSL				215.24															
6017 MSL				YECUG (FO)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 11E EPOCH YEAR: 1990									
2. HOLD N EYIPE, RT, 200.81 INBOUND, 8600 FT. IN LIEU OF PT (IAF)																							
3. FAC: 215.24 FAF: CUTIX DIST FAF TO MAP: 5.76 THLD: 5.76																							
4. MIN. ALT: EYIPE 8600, CUTIX 7700																							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																							
6. MIN GS INCPT: 7700 GS ALT AT: CUTIX 7700 OM: _____ MM: _____ IM: _____																							
7. GS ANGLE: 3.00 TCH: 54.9																							
8. MSA FROM: RW22 11900																							
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	6017	1/2	200	6017	1/2	200	6017	1/2	200	6017	1/2	200											
LNAV/VNAV DA	6140	5/8	323	6140	5/8	323	6140	5/8	323	6140	5/8	323											
LNAV MDA	6200	1/2	383	6200	1/2	383	6200	5/8	383	6200	5/8	383											
CIRCLING	6400	1	563	6400	1	563	6420	1 1/2	583	6640	2 1/2	803											
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -26C (-14F) OR ABOVE 46C (114F). CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ALBUQUERQUE INTL SUNPORT ALTIMETER (CONTINUED ON PAGE 2)																							
CITY AND STATE ALBUQUERQUE, NM				ELEVATION: 5837 TDZE: 5817 AIRPORT NAME: DOUBLE EAGLE II				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1 15 SEPTEMBER 2016					SUP: AMDT: ORIG DATED 08/05/2004								



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

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NOTES, (CONT.):

SETTING AND INCREASE LPV DA TO 6111, LNAV-VNAV DA TO 6234, INCREASE ALL MDA 100 FEET, AND INCREASE LNAV-VNAV VISIBILITY ALL CATS AND LNAV CAT C/D VISIBILITY 3/8 MILE, AND CIRCLING CAT C/D VISIBILITY 1/2 MILE.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1 MILE.

CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ALBUQUERQUE INTL SUNPORT ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 1 MILE AND LNAV/VNAV ALL CATS AND LNAV CAT C/D VISIBILITY TO 1 3/8 MILE.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON ABQ VORTAC AIRWAY RADIALS 290 CW 090.

QUALITY
6
CHECKED

CITY AND STATE

ALBUQUERQUE, NM

ELEVATION: 5837

TDZE: 5817

AIRPORT NAME:

DOUBLE EAGLE II

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 22, AMDT 1

15 SEPTEMBER 2016

SUP:

AMDT: ORIG

DATED: 08/05/2004

**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	KAEG
RUNWAY	RW22
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W22A
LTP/FTP LATITUDE	350910.1505N
LTP/FTP LONGITUDE	1064728.7920W
LTP/FTP ELLIPSOIDAL HEIGHT	+17495
FPAP LATITUDE	350808.3645N
FPAP LONGITUDE	1064847.1880W
THRESHOLD CROSSING HEIGHT (TCH)	00054.9
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0496
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 017B695B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+17709
FPAP ORTHOMETRIC HEIGHT	+17709

QUALITY
6
CHECKED

CITY AND STATE ALBUQUERQUE, NM	ELEVATION: 5837 TDZE: 5817 AIRPORT NAME: DOUBLE EAGLE II	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 22, AMDT 1 15 SEPTEMBER 2016	SUP:
				AMDT: ORIG
				DATED: 08/05/2004

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 - KAEG														
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
ABQ	010	ABQ	IF	FB										V
ABQ	020	EYIPE	TF	FO	2.0	017.7						AA 09000		EY
ABQ	030	EYIPE	HF	FO		200.8			R			AA 08600		EE A
DULKE	010	DULKE	IF	FB										E
DULKE	020	EYIPE	TF	FO	2.0	270.5						AA 13000		EY
DULKE	030	EYIPE	HF	FO		200.8			R			AA 08600		EE A
FRIHO	010	FRIHO	IF	FB										E A
FRIHO	020	EYIPE	TF	FB	1.0	166.7						AA 08600		EE B
NELGE	010	NELGE	IF	FB										E A
NELGE	020	EYIPE	TF	FB	1.0	226.5						AA 08600		EE B
	010	EYIPE	IF	FB								AA 08600		E I
	020	CUTIX	TF	FB	1.0	200.8				RW22		AA 07700		E F
	030	RW22	TF	FO	0.3	215.2		3.00				AT 05865		GY M
	040		CA	FB		215.2						AA 06017		M
	050	YECUG	DF	FO								AA 08800		EY
	060	YECUG	HM	FO		035.1			R			AA 08800		EE
POINTS														
POINT NAME	LATITUDE				LONGITUDE									
ABQ	N350237.66				W1064858.72									
DULKE	N351436.39				W1061645.83									
FRIHO	N352617.00				W1063858.33									
NELGE	N352135.12				W1063208.92									
CUTIX	N351309.69				W1064224.38									
EYIPE	N351813.23				W1063834.98									
YECUG	N345918.02				W1065958.00									
RUNWAYS														
RUNWAY	THRESHOLD LATITUDE				THRESHOLD LONGITUDE				THRESHOLD ELEVATION			PROCEDURE TCH		
RW22	N350910.15				W1064728.79				05810			54.9		

CITY AND STATE ALBUQUERQUE, NM	ELEVATION: 5837	TDZE: 5817	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: DOUBLE EAGLE II		RNAV	RNAV (GPS) RWY 22, AMDT 1	4 ORIG
				15 SEPTEMBER 2016	08/05/2004

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: CEMAR/ONP VORTAC 0.22 DME FIX								
ONP VORTAC			FALOR/6.06 DME			151.45 / 6.06			3700		CLIMB TO 2400 THEN CLIMBING LEFT TURN TO 4000 DIRECT ONP VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.								
JANAS/17.00 DME CCW (IAF)			TULBE/17.00 DME (NOPT)			17.00 DME ARC			4000										
TULBE/17.00 DME (IF)			WUMOV/10.06 DME			331.45 / 6.94 (ONP R-151)			2700										
WUMOV/10.06 DME			FALOR/6.06 DME			331.45 / 4.00 (ONP R-151)			2400										
										ADDITIONAL FLIGHT DATA: HOLD S, RT, 349.00 INBOUND. CHART FAS OBST: 620 TREE 443232N/1240155W CHART VDP AT 1.95 DME DISTANCE VDP TO THLD 1.78 NM. CHART ONP R-169 AT JANAS. FALOR TO RW34: 3.50/57.7. CHART CIRCLING ICON. FAC CROSSES RWY C/L EXTENDED 1675 FT FROM THLD.									
1. PT <u>R</u> SIDE OF COURSE <u>151.45</u> OUTBOUND <u>3700</u> FT WITHIN <u>10</u> MILES OF <u>FALOR</u> (IAF)										MAG VAR: 15E EPOCH YEAR: 2020									
2.																			
3. FAC <u>331.45</u> FAF <u>FALOR/6.06 DME</u> DIST FAF TO MAP <u> </u> THLD <u>5.84</u>																			
4. MIN. ALT <u>WUMOV 2700, FALOR 2400, IGIGE/ONP VORTAC 2.93 DME 1280</u>																			
8. MSA FROM: <u>ONP VORTAC 010-190 5300, 190-280 2000, 280-010 4600</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-34	880	1	722	880	1	722	880	2	722	880	2	722							
CIRCLING	880	1	720	1000	1 1/4	840	1400	3	1240	1600	3	1440							
NOTES: CHART NOTE: DME REQUIRED. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: DME REQUIRED. CHART NOTE: VDP NA WHEN USING TILLAMOOK ALTIMETER SETTING. (CONTINUED ON PAGE 2)																			
@ NA WHEN LOCAL WEATHER NOT AVAILABLE. @ CAT B 900-2, CAT C 1300-3, CAT D 1500-3																			
CITY AND STATE NEWPORT, OR																			
ELEVATION: 160 TDZE: 158 AIRPORT NAME: NEWPORT MUNI																			
FACILITY IDENTIFIER: ONP																			
PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR RWY 34, AMDT 2 15 SEPTEMBER 2016																			
SUP VOR/DME RWY 34 AMDT 1C DATE 05/26/2016																			



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

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

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TILLAMMOK ALTIMETER SETTING; INCREASE ALL MDA 140 FEET; INCREASE S-34 CAT B/C/D VISIBILITY 1/2 MILE AND INCREASE CIRCLING CAT B VISIBILITY 1/4 MILE.

QUALITY
2
CHECKED

CITY AND STATE

NEWPORT, OR

ELEVATION: 160

TDZE: 158

AIRPORT NAME:

NEWPORT MUNI

FACILITY
IDENTIFIER:

ONP

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 34, AMDT 2

15 SEPTEMBER 2016

SUP: VOR/DME RWY 34

AMDT: 1C

DATED: 05/26/2016

**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
2
CHECKED

CITY AND STATE

NEWPORT, OR

ELEVATION: 160

TDZE: 158

AIRPORT NAME:

NEWPORT MUNI

FACILITY
IDENTIFIER:

ONP

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

VOR RWY 34, AMDT 2

15 SEPTEMBER 2016

SUP: VOR/DME RWY 34

AMDT: 1C

DATED: 05/26/2016

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: 4.30 NM AFTER BROML INT/LRP 16.33 DME OR AT XILWE/LRP 20.63 DME FIX								
LRP VOR/DME (IAF)		KOORT INT/LRP 10.33 DME			290.12 / 10.33				2000		CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 090 AND RAV VORTAC R-193 TO BAARN INT/LRP 17.95 DME AND HOLD.								
KOORT INT/LRP 10.33 DME (IF)		BROML INT/LRP 16.33 DME			290.12 / 6.00 (LRP R-290)				2000										
										ADDITIONAL FLIGHT DATA: HOLD SE, RT, 314.06 INBOUND. CHART FAS OBST: 1039 TREES 401256N/0764038W BROML TO RW31: 3.00/51.0.									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																			
2. PROFILE STARTS AT KOORT																			
3. FAC 290.12 FAF BROML INT/LRP 16.33 DME DIST FAF TO MAP 4.30 THLD 5.16																			
4. MIN. ALT KOORT 2000, BROML 2000																			
8. MSA FROM: LRP VOR/DME 060-240 2600, 240-060 3000										MAG VAR: 9W EPOCH YEAR:1975									
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		@							
CATEGORY =====>		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
S-31	1160	5500	852	1160	6000	852	1160	2 1/2	852	1160	2 1/2	852							
CIRCLING	1160	1 1/4	850	1160	1 1/4	850	1160	2 1/2	850	1160	2 3/4	850							
NOTES:																			
CHART NOTE: CIRCLING NA S OF RWY 13-31.										@ CAT A, B 900-2, CAT C 900-2 1/2, CAT D 900-2 3/4									
CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.																			
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON LRP VOR/DME AIRWAY RADIALS 248 CW 296.																			
CITY AND STATE		ELEVATION: 310 TDZE: 308			FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:						SUP						
HARRISBURG, PA		AIRPORT NAME:			LRP		VOR RWY 31, AMDT 2B						AMDT 2A						
		HARRISBURG INTL					15 SEPTEMBER 2016						DATE 02/11/2010						

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KMDT

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
LRP	010	LRP	IF	FB										V A
LRP	020	KOORT	TF	FB								AA 02000		EE B
	010	KOORT	IF	FB			LRP					AA 02000		E I
	020	BROML	CF	FB		290.1	LRP			LRP		AA 02000		E F
	030	XILWE	CF	FO		290.1	LRP	3.00				AT 00633		EY M
	040		CA	FB		290.1						AA 01500		M
	050		VI	FB		090.0			R					
	060	BAARN	CF	FO		013.0	RAV					AA 03000		EY
	070	BAARN	HM	FO		314.1	RAV		R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
LRP	N400711.91	W0761728.66
RAV	N403312.21	W0763557.77
BAARN	N401729.35	W0763640.78
BROML	N401019.17	W0763822.70
KOORT	N400910.84	W0763041.66
XILWE	N401107.80	W0764353.43

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW31	N401117.64	W0764459.33	00308	51.0

QUALITY
28
CHECKED

CITY AND STATE
HARRISBURG, PA

ELEVATION: **310** TDZE: **308**
AIRPORT NAME:
HARRISBURG INTL

FACILITY
IDENTIFIER:
LRP

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
VOR RWY 31, AMDT 2B
15 SEPTEMBER 2016

SUP:
AMDT: **2A**
DATED: **02/11/2010**

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: RW13 CLIMB TO 4000 DIRECT ITIXE AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 309.86 INBOUND. CHART FAS OBST: 1898 TREE 443244N/0992737W DISTANCE TO THLD FROM 351 HAT: 0.98 NM. WAAS CHANNEL # 72839 REFERENCE PATH ID: W13A CHART CIRCLING ICON CHART PIERRE ASOS-3 LTP HAE: 537.4 M							
ELREE		OMCEW (FO)		334.53 / 30.69				4000									
ALLOT (IAF)		OMCEW (NOPT) (FB)		218.03 / 27.47				4000									
PIR VORTAC (IAF)		OMCEW (NOPT) (FB)		053.61 / 28.59				4000									
OMCEW (IF/IAF)		UJBIC (FB)		129.66 / 3.50				3400									
UJBIC (FAF)		WUVAM/2.40 NM TO RW13 (FB)		129.71 / 2.37													
WUVAM/2.40 NM TO RW13 (SEE FORM 8260-10)		RW13 (MAP) (FO)		129.71 / 2.40													
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW OMCEW, RT, 129.66 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 129.71 FAF: UJBIC DIST FAF TO MAP: 4.77 THLD: 4.77 4. MIN. ALT: OMCEW 4000, UJBIC 3400, WUVAM/2.40 NM TO RW13 2440* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3400 GS ALT AT: UJBIC 3400 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW13 3600										MAG VAR: 5E				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		
LPV DA	2192	1 1/8	351	2192	1 1/8	351		NA			NA						
LNAV/VNAV DA	2192	1 1/8	351	2192	1 1/8	351		NA			NA						
LNAV MDA	2260	1	419	2260	1	419		NA			NA						
CIRCLING	2460	1	606	2600	1	746		NA			NA						
NOTES: CHART NOTE: USE PIERRE ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA. CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PIR VORTAC AIRWAY RADIALS 011 CW 100. *LNAV ONLY																	
CITY AND STATE HIGHMORE, SD		ELEVATION: 1854 TDZE: 1852 AIRPORT NAME: HIGHMORE MUNI				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 15 SEPTEMBER 2016				SUP: 4 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
RW13 (MAP)	2192 MSL	129.71	
2192 MSL	ITIXE (FO)		4000

CITY AND STATE
HIGHMORE, SD

ELEVATION: 1854 TDZE: 1852
AIRPORT NAME:
HIGHMORE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 13, ORIG
15 SEPTEMBER 2016

SUP: 4
AMDT: NONE
DATED:
QUALITY
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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	9D0
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	443239.6270N
LTP/FTP LONGITUDE	0992721.7810W
LTP/FTP ELLIPSOIDAL HEIGHT	+05374
FPAP LATITUDE	443136.8790N
FPAP LONGITUDE	0992553.3455W
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

16EED276

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05611
FPAP ORTHOMETRIC HEIGHT	+05611

CITY AND STATE

HIGHMORE, SD

ELEVATION: 1854

TDZE: 1852

AIRPORT NAME:

HIGHMORE MUNI

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

15 SEPTEMBER 2016

SUP:

AMDT:

DATED:

QUALITY

4

CHECKED
NONE

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 - 9D0 ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>ALLOT</td><td>010</td><td>ALLOT</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>ALLOT</td><td>020</td><td>OMCEW</td><td>TF</td><td>FB</td><td>2.0</td><td>218.0</td><td></td><td></td><td></td><td></td><td></td><td>AA 04000</td><td></td><td>EE B</td></tr> <tr><td>ELREE</td><td>010</td><td>ELREE</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td></tr> <tr><td>ELREE</td><td>020</td><td>OMCEW</td><td>TF</td><td>FO</td><td>2.0</td><td>334.5</td><td></td><td></td><td></td><td></td><td></td><td>AA 04000</td><td></td><td>EY</td></tr> <tr><td>ELREE</td><td>030</td><td>OMCEW</td><td>HF</td><td>FO</td><td></td><td>129.7</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 04000</td><td></td><td>EE A</td></tr> <tr><td>PIR</td><td>010</td><td>PIR</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>V A</td></tr> <tr><td>PIR</td><td>020</td><td>OMCEW</td><td>TF</td><td>FB</td><td>1.0</td><td>053.6</td><td></td><td></td><td></td><td></td><td></td><td>AA 04000</td><td></td><td>EE B</td></tr> <tr><td></td><td>010</td><td>OMCEW</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 04000</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>UJBIC</td><td>TF</td><td>FB</td><td>1.0</td><td>129.7</td><td></td><td></td><td></td><td>RW13</td><td></td><td>AA 03400</td><td></td><td>E F</td></tr> <tr><td></td><td>021</td><td>WUVAM</td><td>TF</td><td>FB</td><td>0.3</td><td>129.7</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AA 02440 GS 02645</td><td></td><td>E S</td></tr> <tr><td></td><td>030</td><td>RW13</td><td>TF</td><td>FO</td><td>0.3</td><td>129.7</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 01881</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>129.7</td><td></td><td></td><td></td><td></td><td></td><td>AA 02192</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>ITIXE</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 04000</td><td></td><td>EY</td></tr> <tr><td></td><td>060</td><td>ITIXE</td><td>HM</td><td>FO</td><td></td><td>309.9</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 04000</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; 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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																																																																																																																																																																																																																																																																			
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PIR	020	OMCEW	TF	FB	1.0	053.6						AA 04000		EE B																																																																																																																																																																																																																																																																			
	010	OMCEW	IF	FB								AA 04000		E I																																																																																																																																																																																																																																																																			
	020	UJBIC	TF	FB	1.0	129.7				RW13		AA 03400		E F																																																																																																																																																																																																																																																																			
	021	WUVAM	TF	FB	0.3	129.7		3.00				AA 02440 GS 02645		E S																																																																																																																																																																																																																																																																			
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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 4000 DIRECT OMCEW AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 129.66 INBOUND. FAS OBST: 2123 AAO 442933N/0992145W CHART PIERRE ASOS-3 DISTANCE TO THLD FROM 351 HAT: 0.98 NM. WAAS CHANNEL # 40437 REFERENCE PATH ID: W31A CHART CIRCLING ICON LTP HAE: 541.4 M						
PIR VORTAC		ITIXE (FO)		081.12 / 37.19				4000								
VAYLA (IAF)		ITIXE (NOPT) (FB)		266.40 / 14.86				4000								
ELREE (IAF)		ITIXE (NOPT) (FB)		001.48 / 16.35				4000								
ITIXE (IF/IAF)		CULIV (FB)		309.86 / 3.50				3600								
CULIV (FAF)		RW31 (MAP) (FO)		309.82 / 5.36												
RW31 (MAP)		2205 MSL		309.82				4000								
2205 MSL		OMCEW (FO)														
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD SE ITIXE, RT, 309.86 INBOUND, 4000 FT. IN LIEU OF PT (IAF) 3. FAC: 309.82 FAF: CULIV DIST FAF TO MAP: 5.36 THLD: 5.36 4. MIN. ALT: ITIXE 4000, CULIV 3600 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3600 GS ALT AT: CULIV 3600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS CLEAR 8. MSA FROM: RW31 3600										MAG VAR: 5E		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	
LPV DA	2205	1 1/8	351	2205	1 1/8	351		NA			NA					
LNAV/VNAV DA	2519	2 1/2	665	2519	2 1/2	665		NA			NA					
LNAV MDA	2540	1	686	2540	1	686		NA			NA					
CIRCLING	2540	1	686	2600	1	746		NA			NA					
NOTES: CHART NOTE: BARO-VNAV NA. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON PIR VORTAC AIRWAY RADIALS 011 CW 171. CHART NOTE: USE PIERRE ALTIMETER SETTING; WHEN NOT RECEIVED, PROCEDURE NA.																
CITY AND STATE		ELEVATION: 1854 TDZE: 1854				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
HIGHMORE, SD		AIRPORT NAME:						RNAV (GPS) RWY 31, ORIG				AMDT: NONE				
		HIGHMORE MUNI						15 SEPTEMBER 2016				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

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	9D0
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	443213.8960N
LTP/FTP LONGITUDE	0992645.5035W
LTP/FTP ELLIPSOIDAL HEIGHT	+05414
FPAP LATITUDE	443316.6235N
FPAP LONGITUDE	0992813.9835W
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>	 F365AECE

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+05652
FPAP ORTHOMETRIC HEIGHT	+05652

CITY AND STATE
HIGHMORE, SD

ELEVATION: 1854 TDZE: 1854
AIRPORT NAME:
HIGHMORE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 31, ORIG
15 SEPTEMBER 2016

SUP: 4
AMDT: NONE
DATED:

QUALITY

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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U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
HIGHMORE, SD	HIGHMORE MUNI	15 SEPTEMBER 2016	ORIG

TAKEOFF MINIMUMS:

STANDARD

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13: TANK 245 FT FROM DER, 564 FT LEFT OF CENTERLINE, 44 FT AGL/1890 FT MSL. TANK 9 FT FROM DER, 492 FT LEFT OF CENTERLINE, 30 FT AGL/1877 FT MSL. BLDG 169 FT FROM DER, 449 FT LEFT OF CENTERLINE, 23 FT AGL/1871 FT MSL. VEHICLES ON ROAD BEGINNING 70 FT FROM DER, 397 FT LEFT OF CENTERLINE, 15 FT AGL/1865 FT MSL. GROUND BEGINNING 7 FT FROM DER, 413 FT RIGHT OF CENTERLINE, 0 FT AGL/1856 FT MSL. NAVAID 10 FT FROM DER, 11 FT RIGHT OF CENTERLINE, 3 FT AGL/1855 FT MSL.

NOTE: RWY 31: FENCE BEGINNING 83 FT FROM DER, 453 FT LEFT OF CENTERLINE, UP TO 12 FT AGL/1852 FT MSL. FENCE BEGINNING 129 FT FROM DER, 449 FT RIGHT OF CENTERLINE, UP TO 12 FT AGL/1851 FT MSL. TREES BEGINNING 1079 FT FROM DER, 397 FT LEFT OF CENTERLINE, UP TO 50 FT AGL/1898 FT MSL. VERTICAL STRUCTURE 25 FEET FROM DER, 450 FT RIGHT OF CENTERLINE, UP TO 33 FT AGL/1845 FT MSL. NAVAID 9 FT FROM DER, 8 FT RIGHT OF CENTERLINE, 2 FT AGL/1843 FT MSL. VERTICAL STRUCTURE 201 FT FROM DER, 439 FT LEFT OF CENTERLINE, 32 FT AGL/1847 FT MSL.

CONTROLLING OBSTACLES:



U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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City, State	Airport	Effective Date	Amdt. No.
HIGHMORE, SD	HIGHMORE MUNI	15 SEPTEMBER 2016	ORIG

REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

DUSTIN WELSH

FICO

Digitally signed by
THOMAS L KIRKPATRICK
Jul 29, 2016

07/19/2016

CONCURRENT WITH AIRSPACE DOCKET: 14-AGL-13

DEVELOPED BY:

JOHN R. ROSARIO

AJV-5421

Digitally signed by
THOMAS L KIRKPATRICK
Jul 29, 2016

01/29/2016

APPROVED BY:

GEORGE L. GONZALEZ

AJV-5420

Digitally signed by
THOMAS L KIRKPATRICK
Jul 29, 2016

COORDINATED WITH:

ALPA, AOPA, NBAA, ZMP, AMGR

CHANGES:

ORIGINAL PROCEDURE

REASONS:

PER CENTRAL FPT CHECKLIST

QUALITY
22
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: 5.97 MILES AFTER DEPOO LOM/I-BRO 7.34 DME OR AT I-BRO 1.38 DME FIX CLIMB TO 700 THEN CLIMBING LEFT TURN TO 2000 DIRECT HRL VOR/DME AND HOLD. ALTERNATE MA (DO NOT CHART): CLIMB TO 700 THEN CLIMBING LEFT TURN TO 1900 DIRECT DEPOO LOM/I-BRO 7.34 DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, RT, 146.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW DEPOO LOM/I-BRO 7.34 DME, LT, 132.40 INBOUND. FAS OBST: 229 AAO 255700N/0972900W CHART 460 TOWER 255858N/0973039W CHART VDP AT 2.76 DME* DISTANCE VDP TO THLD 1.38 MILES. *LOC ONLY. CHART IN PLANVIEW: (CFBRN) 260318.77N/0973512.66W CHART CIRCLING ICON												
HRL VOR/DME				DEPOO LOM/I-BRO 7.34 DME				147.21 / 16.60				2000														
RELAX INT				DEPOO LOM/I-BRO 7.34 DME				198.91 / 17.71				1900														
BRO VORTAC				DEPOO LOM/I-BRO 7.34 DME				287.23 / 8.06				1900														
1. PT <u>R</u> SIDE OF COURSE <u>312.40</u> OUTBOUND <u>1900</u> FT WITHIN <u>10</u> MILES OF <u>DEPOO LOM</u> (IAF)														MAG VAR: 3E EPOCH YEAR: 2020												
2.																										
3. FAC: <u>132.40</u> FAF: <u>DEPOO LOM/I-BRO 7.34 DME</u> DIST FAF TO MAP: <u>5.97</u> THLD: <u>5.97</u>																										
4. MIN. ALT: <u>DEPOO LOM/I-BRO 7.34 DME 1900</u>																										
5. DIST TO THLD FROM OM: <u>5.97</u> MM: <u>-</u> IM: <u>-</u> 150 HAT: <u>-</u> 100 HAT: <u>-</u> GS ANT: <u>1247</u>																										
6. MIN GS INCPT: <u>1900</u> GS ALT AT: <u>-</u> OM: <u>1848</u> MM: <u>-</u> IM: <u>-</u>																										
7. GS ANGLE: <u>2.75</u> TCH: <u>57.8</u>																										
8. MSA FROM: <u>BR LOM 360-240 1600, 240-360 2600</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 13**	219	2400	200	219	2400	200	219	2400	200	219	2400	200														
S-LOC 13	480	2400	461	480	2400	461	480	5000	461	480	5000	461														
CIRCLING	480	1	458	540	1	518	540	1 1/2	518	680	2	658														
NOTES: CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA. CHART NOTE: CIRCLING TO RWY 18 NA AT NIGHT. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORT ISABEL ALTIMETER SETTING AND INCREASE DA TO 257 FEET AND ALL MDA 40 FEET AND S-LOC 13 CAT C AND D VISIBILITY TO RVR 5500, (CONTINUED ON PAGE 2)																# @ NA WHEN CONTROL TOWER CLOSED. # @ NA WHEN LOCAL WEATHER NOT AVAILABLE. # CAT D 700-2										
CITY AND STATE BROWNSVILLE, TX				ELEVATION: 22 TDZE: 19 AIRPORT NAME: BROWNSVILLE/SOUTH PADRE ISLAND INTL				FACILITY IDENTIFIER: I-BRO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, ORIG 15 SEPTEMBER 2016								SUP: AMDT: NONE DATED								

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.): CIRCLING CAT D VISIBILITY TO 2 1/4 MILES. CHART PLANVIEW NOTE: ADF OR RADAR REQUIRED. CHART NOTE: FOR INOPERATIVE MALSR INCREASE S-LOC 13 CATS C AND D VISIBILITY TO 1 3/8 MILES. CHART NOTE: VDP NA WHEN USING PORT ISABEL ALTIMETER ALTIMETER SETTING.					
CITY AND STATE BROWNSVILLE, TX	ELEVATION: 22	TDZE: 19	FACILITY IDENTIFIER: I-BRO	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 13, ORIG 15 SEPTEMBER 2016	SUP:
	AIRPORT NAME: BROWNSVILLE/SOUTH PADRE ISLAND INTL				AMDT: NONE
					DATED:

QUALITY
22
CHECKED

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ILS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.		
ARINC SUMMARY - KBRO 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
BRO	010	BRO	IF	FB										V
BRO	020	DEPOO	TF	FB								AA 01900		E
BRO	030	DEPOO	PI	FB		357.4	IBRO		L			AA 01900		EE A
HRL	010	HRL	IF	FB										V
HRL	020	DEPOO	TF	FB								AA 02000		E
HRL	030	DEPOO	PI	FB		357.4	IBRO		L			AA 01900		EE A
RELAX	010	RELAX	IF	FB										E
RELAX	020	DEPOO	TF	FB								AA 01900		E
RELAX	030	DEPOO	PI	FB		357.4	IBRO		L			AA 01900		EE A
	010	CFBRN	IF	FB			IBRO					AA 01900 GI 01900		E I
	020	DEPOO	CF	FB		132.0	IBRO	2.75		BR		GI 01900 GS 01848		E F
	030	RW13	CF	FO		132.0	IBRO	2.75				AT 00075		GY M
	040		CA	FB		132.4						AA 00700		M
	050	HRL	DF	FO					L			AA 02000		VY
	060	HRL	HM	FO		146.0			R			AA 02000		VE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
BRO			N255526.67			W0972230.98								
HRL			N261345.21			W0973908.15								
IBRO (DME)			N255345.29			W0972450.59								
RELAX			N261529.69			W0972312.66								
CFBRN			N260318.77			W0973512.66								
DEPOO			N255901.81			W0973031.71								
IBRO (LOC)			N255346.71			W0972447.89								
BR			N255901.18			W0973032.74								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW13		N255446.16		W0972552.69		00017		57.8						

QUALITY
15
CHECKED

CITY AND STATE BROWNSVILLE, TX	ELEVATION: 22	TDZE: 19	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME:			ILS OR LOC RWY 13, ORIG	AMDT: NONE
	BROWNSVILLE/SOUTH PADRE ISLAND INTL			I-BRO	15 SEPTEMBER 2016

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.		
ARINC SUMMARY - KBRO														
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
BRO	010	BRO	IF	FB										V
BRO	020	DEPOO	TF	FB								AA 01900		E
BRO	030	DEPOO	PI	FB		357.4	IBRO		L			AA 01900		EE A
HRL	010	HRL	IF	FB										V
HRL	020	DEPOO	TF	FB								AA 02000		E
HRL	030	DEPOO	PI	FB		357.4	IBRO		L			AA 01900		EE A
RELAX	010	RELAX	IF	FB										E
RELAX	020	DEPOO	TF	FB								AA 01900		E
RELAX	030	DEPOO	PI	FB		357.4	IBRO		L			AA 01900		EE A
	010	CFBRN	IF	FB			IBRO					AA 01900		E I
	020	DEPOO	CF	FB		132.0	IBRO			BR		AA 01900		E F
	030	RW13	CF	FO		132.0	IBRO	2.89				AT 00075		GY M
	040		CA	FB		132.4						AA 00700		M
	050	HRL	DF	FO					L			AA 02000		VY
	060	HRL	HM	FO		146.0			R			AA 02000		VE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
BRO			N255526.67			W0972230.98								
HRL			N261345.21			W0973908.15								
IBRO (DME)			N255345.29			W0972450.59								
RELAX			N261529.69			W0972312.66								
CFBRN			N260318.77			W0973512.66								
DEPOO			N255901.81			W0973031.71								
IBRO (LOC)			N255346.71			W0972447.89								
BR			N255901.18			W0973032.74								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW13		N255446.16		W0972552.69		00017		57.8						



CITY AND STATE BROWNSVILLE, TX	ELEVATION: 22 TDZE: 19 AIRPORT NAME: BROWNSVILLE/SOUTH PADRE ISLAND INTL	FACILITY IDENTIFIER: I-BRO	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 13, ORIG 15 SEPTEMBER 2016	SUP: AMDT: NONE DATED:
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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: 4.41 MILES AFTER CALIA INT/I-BRO 4.91 DME OR AT WIGIP/I-BRO 0.51 DME FIX							
BRO VORTAC			CALIA INT/I-BRO 4.91 DME			155.99 / 5.33				1900		CLIMB TO 1900 ON I-BRO LOCALIZER NW COURSE (312) TO DEPOO LOM/I-BRO 7.34 DME AND HOLD.							
										ADDITIONAL FLIGHT DATA: FAS OBST: 229 AAO 255117N/0972240W CALIA TO RW31: 3.40/52. CHART IN PLANVIEW: (CFBDC) 254559.15N/0971619.49W CHART CIRCLING ICON CHART VDP AT 1.07 DME; DISTANCE VDP TO THLD 1.23 MILES CHART BRO VORTAC 5.33 DME AT CALIA HOLD NW, LT, 132.40 INBOUND									
1. PT <u>L</u> SIDE OF COURSE <u>132.41</u> OUTBOUND <u>1900</u> FT WITHIN <u>10</u> MILES OF <u>CALIA</u> (IAF)										MAG VAR: 3E EPOCH YEAR:2020									
2.																			
3. FAC <u>312.41</u> FAF <u>CALIA INT/I-BRO 4.91 DME</u> DIST FAF TO MAP <u>4.41</u> THLD <u>5.07</u>																			
4. MIN. ALT <u>CALIA 1900</u>																			
8. MSA FROM: <u>BR LOM 360-240 1600, 240-360 2600</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-31	480	1	460	480	1	460	480	1 3/8	460	480	1 3/8	460							
CIRCLING	480	1	458	540	1	518	540	1 1/2	518	680	2	658							
NOTES: CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART PROFILE NOTE: DISREGARD GS INDICATIONS. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PORT ISABEL ALTIMETER SETTING AND (CONTINUED ON PAGE 2)																			
CITY AND STATE BROWNSVILLE, TX		ELEVATION: 22 AIRPORT NAME: BROWNSVILLE/SOUTH PADRE ISLAND INTL		TDZE: 20		FACILITY IDENTIFIER: I-BRO		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC BC RWY 31, ORIG 15 SEPTEMBER 2016				SUP AMDT NONE DATE							



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.

NOTES, (CONT.):

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

CHART NOTE: CIRCLING TO RWY 18 NA AT NIGHT.

CHART NOTE: ADF OR DME REQUIRED.

CHART NOTE: VDP NA WHEN USING PORT ISABEL ALTIMETER SETTING.

QUALITY
22
CHECKED

CITY AND STATE

BROWNSVILLE, TX

ELEVATION: 22

TDZE: 20

AIRPORT NAME:

BROWNSVILLE/SOUTH PADRE ISLAND INTL

FACILITY
IDENTIFIER:

I-BRO

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

LOC BC RWY 31, ORIG

15 SEPTEMBER 2016

SUP:

AMDT: NONE

DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC BC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KBRO

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
BRO	010	BRO	IF	FB										V
BRO	020	CALIA	TF	FB								AA 01900		E
BRO	030	CALIA	PI	FB		087.4	IBRO		R			AA 01900		EE A
	010	CFBDC	IF	FB			IBRO					AA 01900		E I
	020	CALIA	CF	FB		312.0	IBRO			BR		AA 01900		E F
	030	WIGIP	CF	FO		312.0	IBRO	3.40				AT 00311		EY M
	040	BR	CF	FO		312.4	LFT					AA 01900		NYM
	050	BR	HM	FO		132.4			L			AA 01900		NE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BRO	N255526.67	W0972230.98
LFT	N301137.75	W0915933.30
IBRO (DME)	N255345.29	W0972450.59
CALIA	N255016.66	W0972059.12
CFBDC	N254559.15	W0971619.49
WIGIP	N255325.55	W0972424.83
IBRO (LOC)	N255346.71	W0972447.89
BR	N255901.18	W0973032.74

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW31	N255353.98	W0972455.81	00020	52

QUALITY
15
CHECKED

CITY AND STATE
BROWNSVILLE, TX

ELEVATION: **22** TDZE: **20**
AIRPORT NAME:
BROWNSVILLE/SOUTH PADRE ISLAND INTL

FACILITY
IDENTIFIER:
I-BRO

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:
LOC BC RWY 31, ORIG
15 SEPTEMBER 2016

SUP:
AMDT: **NONE**
DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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: 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: _____			
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT CATEGORY =====>																ALTERNATE: N A			
		A			B			C			D			E					
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA				
NOTES: PROCEDURE CANCELED EFFECTIVE 15 SEPTEMBER 2016																			
CITY AND STATE BROWNSVILLE, TX				ELEVATION: _____ TDZE: _____ AIRPORT NAME: BROWNSVILLE/SOUTH PADRE ISLAND INTL				FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: LOC BC RWY 31L, AMDT 11E 05/29/2014				SUP 22 AMDT 11D 06/27/2013					

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: RW13 CLIMB TO 500 THEN CLIMBING LEFT TURN TO 2000 DIRECT FIRTA AND HOLD. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 229 AAO 255700N/0972900W CHART: 460 TOWER 255858N/0973039W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.28 MILES TO RW13* *LNAV ONLY. WAAS CHANNEL # 63231 REFERENCE PATH ID: W13A CHART CIRCLING ICON LTP HAE: -16.4 M									
RELAX			BACAC (FB)			216.93 / 11.27			2000												
BACAC (IAF)			FIRTA (NOPT) (FB)			222.35 / 5.00			2000												
BRO VORTAC			FIRTA (FO)			301.47 / 13.85			2000												
HRL VOR/DME (IAF)			FIRTA (NOPT) (FB)			158.21 / 11.01			2000												
FIRTA (IF/IAF)			SANUE (FB)			132.32 / 6.21			1900												
SANUE (FAF)			RW13 (MAP) (FO)			132.36 / 5.74															
RW13 (MAP)			500 MSL			132.36			500												
500 MSL			FIRTA (FO)						2000												
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW FIRTA, LT, 132.32 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 132.36 FAF: SANUE DIST FAF TO MAP: 5.74 THLD: 5.74 4. MIN. ALT: FIRTA 2000, SANUE 1900 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1900 GS ALT AT: SANUE 1900 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR 8. MSA FROM: RW13 2600												MAG VAR: 3E		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	219	2400	200	219	2400	200	219	2400	200	219	2400	200									
LNAV/VNAV DA	373	3000	354	373	3000	354	373	3000	354	373	3000	354									
LNAV MDA	480	2400	461	480	2400	461	480	5000	461	480	5000	461									
CIRCLING	480	1	458	540	1	518	540	1 1/2	518	680	2	658									
NOTES: CHART NOTE: CIRCLING TO RWY 18 NA AT NIGHT. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 3C (38F) OR ABOVE 54C (130F). CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BRO VORTAC ON AIRWAY RADIALS 258 CW 329. (CONTINUED ON PAGE 2)																					
CITY AND STATE				ELEVATION: 22 TDZE: 19			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:			SUP: RNAV (GPS) RWY 13R								
BROWNSVILLE, TX				AIRPORT NAME:			BROWNSVILLE/SOUTH PADRE ISLAND INTL			RNAV (GPS) RWY 13, ORIG			AMDT: 2A								
										15 SEPTEMBER 2016			DATED 10/16/2014								

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.

NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE PORT ISABEL ALTIMETER SETTING AND INCREASE LPV DA TO 257 FEET AND LNAV/VNAV DA TO 411 FEET AND ALL MDA 40 FEET; INCREASE LNAV/VNAV VISIBILITY ALL CATS TO RVR 4500, LNAV VISIBILITY CAT C AND D TO RVR 5500.

CHART NOTE: VDP AND BARO VNAV NA WHEN USING PORT ISABEL ALTIMETER SETTING.

CHART PLANVIEW NOTE AT BACAC: MAX 210 KIAS.

CHART PLANVIEW NOTE AT FIRTA: MAX 180 KIAS.

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV CAT C/D VISIBILITY TO 1 3/8 MILE.

CHART PLANVIEW NOTE: LIMIT MISSED APPROACH TO 245 KIAS.

QUALITY
22
CHECKED

CITY AND STATE

BROWNSVILLE, TX

ELEVATION: 22

TDZE: 19

AIRPORT NAME:

BROWNSVILLE/SOUTH PADRE ISLAND INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

15 SEPTEMBER 2016

SUP: RNAV (GPS) RWY
13R

AMDT: 2A

DATED: 10/16/2014

**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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBRO
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	255446.1610N
LTP/FTP LONGITUDE	0972552.6935W
LTP/FTP ELLIPSOIDAL HEIGHT	-00164
FPAP LATITUDE	255342.5360N
FPAP LONGITUDE	0972443.3055W
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	0496
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

35EE7591

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00052
FPAP ORTHOMETRIC HEIGHT	+00052

QUALITY
22
CHECKED

CITY AND STATE

BROWNSVILLE, TX

ELEVATION: 22

TDZE: 19

AIRPORT NAME:

BROWNSVILLE/SOUTH PADRE ISLAND INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 13, ORIG

15 SEPTEMBER 2016

SUP: RNAV (GPS) RWY
13R

AMDT: 2A

DATED: 10/16/2014

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 - KBRO 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
BRO	010	BRO	IF	FB								AA 02000	AB 180	V
BRO	020	FIRTA	TF	FO	2.0	301.5						AA 02000		EY
BRO	030	FIRTA	HF	FO		132.3			L			AA 02000		EE A
HRL	010	HRL	IF	FB										V A
HRL	020	FIRTA	TF	FB	1.0	158.2						AA 02000	AB 180	EE B
RELAX	010	RELAX	IF	FB										E
RELAX	020	BACAC	TF	FB	2.0	216.9						AA 02000	AB 210	E A
RELAX	030	FIRTA	TF	FB	1.0	222.4						AA 02000	AB 180	EE B
	010	FIRTA	IF	FB								AA 02000	AB 180	E I
	020	SANUE	TF	FB	1.0	132.3				RW13		AA 01900		E F
	030	RW13	TF	FO	0.3	132.4		3.00				AT 00072		GY M
	040		CA	FB		132.4						AA 00500		M
	050	FIRTA	DF	FO					L			AA 02000	AB 245	EY
	060	FIRTA	HM	FO		132.3			L			AA 02000		EE
POINTS														
POINT NAME			LATITUDE			LONGITUDE								
BRO			N255526.67			W0972230.98								
HRL			N261345.21			W0973908.15								
RELAX			N261529.69			W0972312.66								
BACAC			N260649.36			W0973114.86								
FIRTA			N260317.84			W0973511.84								
SANUE			N255852.01			W0973021.10								
RUNWAYS														
RUNWAY		THRESHOLD LATITUDE		THRESHOLD LONGITUDE		THRESHOLD ELEVATION		PROCEDURE TCH						
RW13		N255446.16		W0972552.69		00017		55						

CITY AND STATE BROWNSVILLE, TX	ELEVATION: 22 TDZE: 19 AIRPORT NAME: BROWNSVILLE/SOUTH PADRE ISLAND INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 13, ORIG 15 SEPTEMBER 2016	SUP: AMDT: NONE DATED:
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- STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ADDITIONAL FLIGHT DATA:								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. _____ 3. FAC: _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: _____ 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: _____ 8. MSA FROM: _____				MAG VAR: _____ EPOCH YEAR: _____								
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
NOTES: PROCEDURE CANCELED EFFECTIVE <u>15 SEPTEMBER 2016</u> QUALITY 22 CHECKED												
CITY AND STATE BROWNSVILLE, TX		ELEVATION: 22 TDZE: 19 AIRPORT NAME: BROWNSVILLE/SOUTH PADRE ISLAND INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 13R, AMDT 2A 10/16/2014			SUP: _____ AMDT: 2 DATED 06/27/2013			

- STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.								
TERMINAL ROUTES				MISSED APPROACH								
FROM	TO	COURSE AND DISTANCE	ALTITUDE	ADDITIONAL FLIGHT DATA:								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. _____ 3. FAC: _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: _____ 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: _____ 8. MSA FROM: _____				MAG VAR: _____ EPOCH YEAR: _____								
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
NOTES: PROCEDURE CANCELED EFFECTIVE 15 SEPTEMBER 2016												
CITY AND STATE BROWNSVILLE, TX		ELEVATION: 22 TDZE: 20 AIRPORT NAME: BROWNSVILLE/SOUTH PADRE ISLAND INTL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 17, ORIG-A 05/29/2014			SUP: _____ AMDT: ORIG DATED 10/20/2011			

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		LP: RW18 LNAV: RW18 CLIMB TO 500 THEN CLIMBING LEFT TURN TO 1900 DIRECT RELAX AND HOLD. ADDITIONAL FLIGHT DATA: HOLD N, LT, 175.21 INBOUND. CHART FAS OBST: 90 TOWER 255456N/0972536W CHART FAS OBST: 117 TOWER 255557N/0972506W WAAS CHANNEL # 90425 REFERENCE PATH ID: W18A JINAB TO RW18: 3.00/50. CHART CIRCLING ICON LTP HAE: -15.7 M									
RELAX (IAF)		HETUK (FB)			189.71 / 8.17				1900											
HETUK (IF)		JINAB (FB)			179.15 / 6.85				1900											
JINAB (FAF)		WUREP/1.60 NM TO RW18 (FB)			179.15 / 4.15															
WUREP/1.60 NM TO RW18		RW18 (MAP) (FO)			179.15 / 1.60				500											
RW18 (MAP)		500 MSL			179.15				1900											
500 MSL		RELAX (FO)																		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT HETUK 3. FAC: 179.15 FAF: JINAB DIST FAF TO MAP: 5.75 THLD: 5.75 4. MIN. ALT: HETUK 1900, JINAB 1900, WUREP/1.60 NM TO RW18 560 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR 8. MSA FROM: RW18 2600																	MAG VAR: 3E		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	340	1	321	340	1	321	340	1	321	340	1	321								
LNAV MDA	380	1	361	380	1	361	380	1	361	380	1	361								
CIRCLING	440	1	418	540	1	518	540	1 1/2	518	680	2	658								
NOTES: CHART NOTE: RADAR REQUIRED. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: WHEN LOCAL ALTIMETER NOT RECEIVED, USE PORT ISABEL ALTIMETER SETTING AND INCREASE ALL (CONTINUED ON PAGE 2)																				
CITY AND STATE BROWNSVILLE, TX				ELEVATION: 22 TDZE: 19 AIRPORT NAME: BROWNSVILLE/SOUTH PADRE ISLAND INTL				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 15 SEPTEMBER 2016				SUP: RNAV (GPS) RWY 17				
																AMDT: ORIG-A				
																DATED 05/29/2014				



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

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NOTES, (CONT.):
MDA 40 FEET; INCREASE LNAV CATS C AND D VISIBILITY 1/8 MILE AND CIRCLING CAT D 1/4 MILE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT RELAX ON V163 NORTHBOUND.
CHART NOTE: NIGHT LANDING RWY 18 NA.



CITY AND STATE BROWNSVILLE, TX	ELEVATION: 22	TDZE: 19	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG 15 SEPTEMBER 2016	SUP: RNAV (GPS) RWY 17
	AIRPORT NAME: BROWNSVILLE/SOUTH PADRE ISLAND INTL	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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBRO
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	255452.3910N
LTP/FTP LONGITUDE	0972543.9385W
LTP/FTP ELLIPSOIDAL HEIGHT	-00157
FPAP LATITUDE	255323.0860N
FPAP LONGITUDE	0972547.6440W
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	0976
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

53415DC0

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00059
FPAP ORTHOMETRIC HEIGHT	+00059

QUALITY
22
CHECKED

CITY AND STATE

BROWNSVILLE, TX

ELEVATION: 22

TDZE: 19

AIRPORT NAME:

BROWNSVILLE/SOUTH PADRE ISLAND INTL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 18, ORIG

15 SEPTEMBER 2016

SUP: RNAV (GPS) RWY 17

AMDT: ORIG-A

DATED: 05/29/2014

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 - KBRO

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
RELAX	010	RELAX	IF	FB										E A
RELAX	020	HETUK	TF	FB	1.0	189.7						AA 01900		EE B
	010	HETUK	IF	FB								AA 01900		E I
	020	JINAB	TF	FB	1.0	179.2				RW18		AA 01900		E F
	021	WUREP	TF	FB	0.3	179.2		3.00				AA 00560 GS 00579		E S
	030	RW18	TF	FO	0.3	179.2		3.00				AT 00069		GY M
	040		CA	FB		179.2						AA 00500		M
	050	RELAX	DF	FO					L			AA 01900		EY
	060	RELAX	HM	FO		175.2			L			AA 01900		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
RELAX	N261529.69	W0972312.66
HETUK	N260730.12	W0972512.43
JINAB	N260038.09	W0972529.57
WUREP	N255628.61	W0972539.94

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N255452.39	W0972543.94	00019	50



CITY AND STATE BROWNSVILLE, TX	ELEVATION: 22	TDZE: 19	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17
	AIRPORT NAME:			RNAV (GPS) RWY 18, ORIG	AMDT: ORIG-A
	BROWNSVILLE/SOUTH PADRE ISLAND INTL	RNAV	15 SEPTEMBER 2016	DATED: 05/29/2014	

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.								Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet 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:					
										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: _____					
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A															
CATEGORY >>>>>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA	MDA	VIS	HAT/ HAA
NOTES: PROCEDURE CANCELED EFFECTIVE <u>15 SEPTEMBER 2016</u> QUALITY 22 CHECKED															
CITY AND STATE		ELEVATION:		TDZE:		FACILITY IDENTIFIER:		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:				SUP RNAV RWY 35			
BROWNSVILLE, TX						RNAV		VOR/DME RNAV OR GPS RWY 35, AMDT 3A 10/20/2011				AMDT 3			
		AIRPORT NAME:										DATE 05/30/1991			
		BROWNSVILLE/SOUTH PADRE ISLAND INTL													

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION NDB OR GPS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.27										Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT , HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.									
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE											
										ADDITIONAL FLIGHT DATA:									
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)																			
2. _____																			
3. FAC ____ FAF _____ DIST FAF TO MAP ____ THLD _____																			
4. MIN. ALT _____																			
8. MSA FROM: _____										MAG VAR: _____ EPOCH YEAR: _____									
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A									
CATEGORY =====>																			
		MDA	VIS			MDA	VIS			MDA	VIS			MDA	VIS				
NOTES:																			
PROCEDURE CANCELED EFFECTIVE 15 SEPTEMBER 2016																			
CITY AND STATE HASKELL, TX				ELEVATION: 1625 TDZE: 1625 AIRPORT NAME: HASKELL MUNI				FACILITY IDENTIFIER: AKL		PROCEDURE NO./AMDТ NO./EFFECTIVE DATE: NDB OR GPS RWY 18, AMDT 2B, 01/08/2015						SUP AMDT 2A DATE 04/07/2011			

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: RW18							
WAGUN		WALIT (FO)		083.53 / 41.43			4400		CLIMBING RIGHT TURN TO 4400 DIRECT WALIT AND HOLD.							
BEKLE		WALIT (FO)		007.15 / 35.23			4400									
WALIT (IF/IAF)		STOWP (FB)		182.82 / 7.20			3200									
STOWP (FAF)		RW18 (MAP) (FO)		182.81 / 4.92												
RW18 (MAP)		2025 MSL		182.81												
2025 MSL		WALIT (FO)					4400		ADDITIONAL FLIGHT DATA: FAS OBST: 1760 AAO 331632N/0994103W STOWP TO RW18: 3.00/40. CHART CIRCLING ICON.							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																
2. HOLD N WALIT, RT, 182.82 INBOUND, 4400 FT. IN LIEU OF PT (IAF)																
3. FAC: 182.81 FAF: STOWP DIST FAF TO MAP: 4.92 THLD: 4.92																
4. MIN. ALT: WALIT 4400, STOWP 3200																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: _____																
8. MSA FROM: RW18 3400																
										MAG VAR: 5E				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	2200	1	575	2200	1	575		NA			NA					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT WAGUN ON V385 NORTHWEST BOUND. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 1625 TDZE:			FACILITY IDENTIFIER:			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:				
HASKELL, TX		AIRPORT NAME:			RNAV			RNAV (GPS)-A, ORIG				AMDT: NONE				
		HASKELL MUNI						15 SEPTEMBER 2016				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.

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BEKLE ON V18 SOUTHEAST BOUND.

CHART NOTE: USE ABILENE RGNL ALTIMETER SETTING; WHEN NOT RECEIVED, USE BRECKENRIDGE ALTIMETER SETTING AND INCREASE ALL MDAS 40 FEET.

QUALITY
5
CHECKED

CITY AND STATE HASKELL, TX	ELEVATION: 1625 TDZE: AIRPORT NAME: HASKELL MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, ORIG 15 SEPTEMBER 2016	SUP:
				AMDT: NONE
				DATED:

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 - 15F

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
BEKLE	010	BEKLE	IF	FB										E
BEKLE	020	WALIT	TF	FO	2.0	007.2						AA 04400		EY
BEKLE	030	WALIT	HF	FO		182.8			R			AA 04400		EE A
WAGUN	010	WAGUN	IF	FB										E
WAGUN	020	WALIT	TF	FO	2.0	083.5						AA 04400		EY
WAGUN	030	WALIT	HF	FO		182.8			R			AA 04400		EE A
	010	WALIT	IF	FB								AA 04400		E I
	020	STOWP	TF	FB	1.0	182.8				RW18		AA 03200		E F
	030	RW18	TF	FO	0.3	182.8		3.00				AT 01632		GY M
	040		CA	FB		182.8						AA 02025		M
	050	WALIT	DF	FO					R			AA 04400		EY
	060	WALIT	HM	FO		182.8			R			AA 04400		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
BEKLE	N324915.91	W0994955.21
WAGUN	N332252.11	W1003032.46
STOWP	N331637.34	W0994214.11
WALIT	N332346.14	W0994104.02

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW18	N331144.09	W0994301.94	01592	40



CITY AND STATE HASKELL, TX	ELEVATION: 1625 TDZE: AIRPORT NAME: HASKELL MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-A, ORIG 15 SEPTEMBER 2016	SUP: AMDT: NONE DATED:
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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: 4.48 NM AFTER TRAPS INT/EFD 5.83 DME/RADAR OR AT IYJIV/EFD 1.37 DME FIX CLIMB TO 700 THEN CLIMBING LEFT TURN TO 3100 ON HUB VOR/DME R-129 TO WATFO INT AND HOLD (TACAN AIRCRAFT CLIMB TO 700 THEN CLIMBING LEFT TURN TO 3100 ON EFD TACAN R-136 TO WATFO INT/EFD 15.98 DME AND HOLD SE, LT, 316.00 INBOUND), OR AS DIRECTED BY ATC. (SEE FORM 8260-10) ADDITIONAL FLIGHT DATA: HOLD SE, LT, 308.53 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE WATFO INT, LT, 319.82 INBOUND. FAS OBST: 239 AAO 294021N/0951033W CHART: 405 TOWER 294239N/0951030W CHART VDP AT 1.94 DME* DISTANCE VDP TO THLD 1.16 NM. *LOC ONLY. CHART EFD R-116 AT ETIME.							
ETIME INT/EFD 11.00 DME CCW (IAF)		ARUXE INT/EFD 11.00 DME/RADAR		11.00 DME ARC (EFD LR-004)			2000									
ARUXE INT/EFD 11.00 DME/RADAR (IF)		TRAPS INT/EFD 5.83 DME/RADAR		173.84 / 5.17 (I-LPV)			1700									
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT ARUXE 3. FAC: <u>173.84</u> FAF: <u>TRAPS INT/EFD 5.83 DME/RADAR</u> DIST FAF TO MAP: <u>5.08</u> THLD: <u>5.08</u> 4. MIN. ALT: <u>ARUXE 2000, TRAPS 1700, FIJSI INT/4.25 DME 1120*</u> 5. DIST TO THLD FROM OM: _____ - _____ MM: _____ - _____ IM: _____ - 150 HAT: _____ - 100 HAT: _____ - GS ANT: 997 6. MIN GS INCPT: <u>1700</u> GS ALT AT: <u>TRAPS 1700</u> OM: _____ - _____ MM: _____ - _____ IM: _____ - 7. GS ANGLE: <u>3.00</u> TCH: <u>51.5</u> 8. MSA FROM: <u>HUB VOR/DME 3100</u>											MAG VAR: 5E		EPOCH YEAR: 2000			
MINIMUMS																
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT							ALTERNATE: N A		ILS: #		LOC: @					
CATEGORY =====>		A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	
S-ILS 17R	232	4000	200	232	4000	200	232	4000	200	232	4000	200	232	4000	200	
S-LOC 17R	1120	5000	1088	1120	6000	1088	1120	2 1/2	1088	1120	2 1/2	1088	1120	2 1/2	1088	
CIRCLING	1120	1 1/4	1087	1120	1 1/2	1087	1120	3	1087	1120	3	1087	1120	3	1087	
FIJSI FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)																
S-LOC 17R	440	4000	408	440	4000	408	440	5000	408	440	5000	408	440	5000	408	
CIRCLING	500	1	467	500	1	467	500	1 1/2	467	600	2	567	660	2 1/4	627	
NOTES: CHART NOTE: CIRCLING NA WEST OF RWY 17R-35L. CHART PLANVIEW NOTE: RADAR REQUIRED. CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 17R. (CONTINUED ON PAGE 2)																
CITY AND STATE HOUSTON, TX		ELEVATION: 33 AIRPORT NAME: ELLINGTON		TDZE: 32		FACILITY IDENTIFIER: I-LPV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 17R, AMDT 6B 15 SEPTEMBER 2016					SUP: AMDT: 6A DATED 05/28/2015			

QUALITY
24
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.

MISSED APPROACH INSTRUCTIONS, (CONT.):
ALTERNATE MA: CLIMB TO 700 THEN CLIMBING LEFT TURN TO 3100 ON VUH VOR/DME R-320 TO WATFO INT AND HOLD.

NOTES, (CONT.):
CHART NOTE: FOR INOPERATIVE MALSF, INCREASE S-LOC 17R CAT A VISIBILITY TO RVR 6000, CAT B TO 1 1/2 MILES AND CAT E TO 3 MILES.
CHART NOTE: FIJSI FIX MINIMUMS: FOR INOPERATIVE MALSF, INCREASE S-LOC 17R CATS A AND B VISIBILITY TO RVR 5500 AND CATS C, D AND E TO RVR 6000.

CITY AND STATE HOUSTON, TX	ELEVATION: 33 AIRPORT NAME: ELLINGTON	TDZE: 32	FACILITY IDENTIFIER: I-LPV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 17R, AMDT 6B 15 SEPTEMBER 2016	SUP:	QUALITY 24 CHECKED
					AMDT: 6A	
					DATED: 05/28/2015	

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: 4.27 MILES AFTER REDOC INT/I-GHI 6.07 DME OR AT I-GHI 1.80 DME FIX									
RDFSH LOM (IAF)			GEYGR (FB)			312.89 / 7.00			4000			CLIMB TO 560 THEN CLIMBING LEFT TURN TO 3000 ON IAH VORTAC R-215 TO TICoy INT/IAH 20.00 DME AND HOLD, OR AS DIRECTED BY ATC. ALTERNATE MA: CLIMB TO 560 THEN CLIMBING LEFT TURN TO 4000 ON HEADING 209 TO INTERCEPT HUB R-308 TO ADING INT/HUB 6.57 DME AND HOLD. (DME REQUIRED). ADDITIONAL FLIGHT DATA: HOLD SW, RT, 034.90 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW ADING INT/HUB 6.57 DME, RT, 128.12 INBOUND. FAS OBST: 294 AAO 295910N/0951352W CHART VDP AT 3.07 DME* DISTANCE VDP TO THLD 1.27 MILES. *LOC ONLY. CHART IN PLANVIEW: MANDATORY 4000 AT CLSIK. CHART IN PLANVIEW: MANDATORY 6000 AT RDFSH. CHART IN PLANVIEW: MANDATORY 4000 AT GEYGR. CHART IN PLANVIEW: MANDATORY 3000 AT SYYKO. CHART IN PLANVIEW: ADING INT/HUB 6.57 DME.									
GEYGR			SYYKO (FB)			314.47 / 4.00			3000												
SYYKO			TRANN (FB)			287.02 / 3.00			3000												
CLSIK (IAF)			GRUNG (FB)			245.63 / 4.11			4000												
GRUNG			SILLS (FB)			267.24 / 6.21			4000												
SILLS/I-GHI 27.00 DME (IAF)			TRANN INT/I-GHI 21.96 DME			266.97 / 5.04 (I-GHI)			3000												
(SEE FORM 8260-10)																					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																					
2. PROFILE STARTS AT TRANN/I-GHI 21.96 DME																					
3. FAC: 266.97 FAF: REDOC INT/I-GHI 6.07 DME DIST FAF TO MAP: 4.27 THLD: 4.27																					
4. MIN. ALT: TRANN 3000, DENTO 2000, FESTA 2000, REDOC 1500																					
5. DIST TO THLD FROM OM: - MM: - IM: 873 150 HAT: 1853 100 HAT: 899 GS ANT: 1035																					
6. MIN GS INCPT: 1500 GS ALT AT: REDOC 1500 OM: - MM: - IM: 186																					
7. GS ANGLE: 3.00 TCH: 55.0																					
8. MSA FROM: IAH VORTAC 015-230 3100, 230-015 2400																					
MAG VAR: 3E EPOCH YEAR: 2010																					
MINIMUMS																					
TAKEOFF: 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	287	1800	200	287	1800	200	287	1800	200	287	1800	200	287	1800	200						
S-LOC 27	560	2400	473	560	2400	473	560	5000	473	560	5000	473	560	5000	473						
NOTES: SA CATEGORY I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 27: CAT A, B, C, D, RA 104, RVR 1400, HAT 150, DA 237 MSL. CATEGORY II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 27: CAT A, B, C, D, RA 101, RVR 1200, HAT 100, DA 187 MSL. (CONTINUED ON PAGE 2)																					
CITY AND STATE HOUSTON, TX				ELEVATION: 96 TDZE: 87 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON				FACILITY IDENTIFIER: I-GHI		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: ILS OR LOC RWY 27, AMDT 11; ILS RWY 27 (SA CAT I), ILS RWY 27 (CAT II), ILS RWY 27 (CAT III) 15 SEPTEMBER 2016						SUP: AMDT: 10B DATED 04/30/2015					

INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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FROM

TO

COURSE AND DISTANCE

ALTITUDE

TRANN INT/I-GHI 21.96 DME

DENTO INT/I-GHI 17.73 DME

266.97 / 4.23 (I-GHI)

2000

DENTO INT/I-GHI 17.73 DME (IF)

FESTA INT/I-GHI 10.51 DME

266.97 / 7.22 (I-GHI)

2000

FESTA INT/I-GHI 10.51 DME

REDOC INT/I-GHI 6.07 DME

266.97 / 4.44 (I-GHI)

1500

CATEGORY III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 27: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.

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

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.

CHART PLANVIEW NOTE: GPS AND RADAR REQUIRED.

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

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

C-E VISIBILITY TO 1 3/8.

CHART SPEED ICON IN PLANVIEW AT CLSIK: MAX 210 KIAS.

CHART SPEED ICON IN PLANVIEW AT RDFSH: MAX 210 KIAS.

QUALITY
5
CHECKED

CITY AND STATE

HOUSTON, TX

ELEVATION: 96

TDZE: 87

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY IDENTIFIER:

I-GHI

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

ILS OR LOC RWY 27, AMDT 11; ILS RWY 27 (SA CAT I) ,
ILS RWY 27 (CAT II) , ILS RWY 27 (CAT III)

15 SEPTEMBER 2016

|SUP.

AMDT: 10B

DATED: 04/30/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KIAH

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
CLSIK	010	CLSIK	IF	FB								AT 04000	AB 210	E A
CLSIK	020	GRUNG	TF	FB								AA 04000		E
CLSIK	030	SILLS	TF	FB								AA 04000		E
CLSIK	040	TRANN	TF	FB								AA 03000		E
CLSIK	050	DENTO	TF	FB								AA 02000		E B
CLSIK	060	FESTA	CF	FB		267.0	IGHI					AA 02000		EE
RDFSH	010	RDFSH	IF	FB								AT 06000	AB 210	E A
RDFSH	020	GEYGR	TF	FB								AT 04000		E
RDFSH	030	SYKYO	TF	FB								AT 03000		E
RDFSH	040	TRANN	TF	FB								AA 03000		E
RDFSH	050	DENTO	TF	FB								AA 02000		E B
RDFSH	060	FESTA	CF	FB		267.0	IGHI					AA 02000		EE
SILLS	010	SILLS	IF	FB										E A
SILLS	020	TRANN	TF	FB								AA 03000		E
SILLS	030	DENTO	TF	FB								AA 02000		E B
SILLS	040	FESTA	CF	FB		267.0	IGHI					AA 02000		EE
	010	FESTA	IF	FB			IGHI					AA 02000 GI 01500		E I
	020	REDOC	CF	FB		267.0	IGHI	3.00		IAH		GI 01500 GS 01500		E F
	030	RW27	CF	FO		267.0	IGHI	3.00				AT 00140		GY M
	040		CA	FB		267.0						AA 00560		M
	050	TICOY	CF	FO		214.9	IAH					AA 03000		EY
	060	TICOY	HM	FO		034.9			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
IAH	N295724.90	W0952044.59
IGHI (DME)	N295835.38	W0952013.58
CLSIK	N300005.79	W0943734.59
DENTO	N295838.63	W0945948.61
FESTA	N295839.30	W0950807.49
GEYGR	N295442.07	W0944831.33
GRUNG	N295835.66	W0944158.96
RDFSH	N294939.87	W0944254.98
REDOC	N295839.45	W0951314.03
SILLS	N295837.01	W0944908.17
SYKYO	N295736.46	W0945141.63

QUALITY
28
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 96	TDZE: 87	FACILITY IDENTIFIER: I-GHI	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 27, AMDT 11 ILS RWY 27 (SA CAT I), ILS RWY 27 (CAT II) ILS RWY 27 (CAT III) 15 SEPTEMBER 2016	SUP:
	AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON				AMDT: 10B
					DATED: 04/30/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION ILS STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.											
TICoy N294201.24 W0953528.44 TRANN N295838.20 W0945456.35 IGHI (LOC) N295839.32 W0952015.34 RUNWAYS <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">RUNWAY</th> <th style="width: 15%;">THRESHOLD LATITUDE</th> <th style="width: 15%;">THRESHOLD LONGITUDE</th> <th style="width: 15%;">THRESHOLD ELEVATION</th> <th style="width: 40%;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW27</td> <td>N295839.41</td> <td>W0951809.09</td> <td>00085</td> <td>55</td> </tr> </tbody> </table>						RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW27	N295839.41	W0951809.09	00085	55
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH											
RW27	N295839.41	W0951809.09	00085	55											
CITY AND STATE HOUSTON, TX		ELEVATION: 96 TDZE: 87 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON		FACILITY IDENTIFIER: I-GHI											
PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 27, AMDT 11 ILS RWY 27 (SA CAT I), ILS RWY 27 (CAT II) ILS RWY 27 (CAT III)		SUP: AMDT: 10B DATED: 04/30/2015		15 SEPTEMBER 2016											



U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - 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.

ARINC SUMMARY - KIAH

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
CLSIK	010	CLSIK	IF	FB								AT 04000	AB 210	
CLSIK	020	GRUNG	TF	FB								AA 04000		E
CLSIK	030	SILLS	TF	FB								AA 04000		E
CLSIK	040	TRANN	TF	FB								AA 03000		E
CLSIK	050	DENTO	TF	FB								AA 02000		E B
CLSIK	060	FESTA	CF	FB		267.0	IGHI					AA 02000		EE
RDFSH	010	RDFSH	IF	FB								AT 06000	AB 210	E A
RDFSH	020	GEYGR	TF	FB								AT 04000		E
RDFSH	030	SYKYO	TF	FB								AT 03000		E
RDFSH	040	TRANN	TF	FB								AA 03000		E
RDFSH	050	DENTO	TF	FB								AA 02000		E B
RDFSH	060	FESTA	CF	FB		267.0	IGHI					AA 02000		EE A
SILLS	010	SILLS	IF	FB								AA 03000		E A
SILLS	020	TRANN	TF	FB								AA 02000		E B
SILLS	030	DENTO	TF	FB								AA 02000		EE
SILLS	040	FESTA	CF	FB		267.0	IGHI					AA 02000		E I
	010	FESTA	IF	FB			IGHI					AA 02000		E F
	020	REDOC	CF	FB		267.0	IGHI	3.01		IAH		AA 01500		GY M
	030	RW27	CF	FO		267.0	IGHI					AT 00140		M
	040		CA	FB		267.0						AA 00560		EY
	050	TICOY	CF	FO		214.9	IAH					AA 03000		EE
	060	TICOY	HM	FO		034.9			R			AA 03000		

POINTS

POINT NAME	LATITUDE	LONGITUDE
IAH	N295724.90	W0952044.59
IGHI (DME)	N295835.38	W0952013.58
CLSIK	N300005.79	W0943734.59
DENTO	N295838.63	W0945948.61
FESTA	N295839.30	W0950807.49
GEYGR	N295442.07	W0944831.33
GRUNG	N295835.66	W0944158.96
RDFSH	N294939.87	W0944254.98
REDOC	N295839.45	W0951314.03
SILLS	N295837.01	W0944908.17
SYKYO	N295736.46	W0945141.63

QUALITY
28
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 96 TDZE: 87 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/ HOUSTON	FACILITY IDENTIFIER: I-GHI	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 27, AMDT 11 ILS RWY 27 (SA CAT I), ILS RWY 27 (CAT II) ILS RWY 27 (CAT III) 15 SEPTEMBER 2016	SUP:
				AMDT: 10B
				DATED: 04/30/2015

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION LOC STANDARD INSTRUMENT APPROACH PROCEDURE FLIGHT STANDARDS SERVICES - 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.											
TICoy N294201.24 W0953528.44 TRANN N295838.20 W0945456.35 IGHI (LOC) N295839.32 W0952015.34 RUNWAYS <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">RUNWAY</th> <th style="width: 15%;">THRESHOLD LATITUDE</th> <th style="width: 15%;">THRESHOLD LONGITUDE</th> <th style="width: 15%;">THRESHOLD ELEVATION</th> <th style="width: 40%;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW27</td> <td>N295839.41</td> <td>W0951809.09</td> <td>00085</td> <td>55</td> </tr> </tbody> </table>						RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW27	N295839.41	W0951809.09	00085	55
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH											
RW27	N295839.41	W0951809.09	00085	55											
CITY AND STATE HOUSTON, TX		ELEVATION: 96 TDZE: 87 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/ HOUSTON		FACILITY IDENTIFIER: I-GHI											
		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: ILS OR LOC RWY 27, AMDT 11 ILS RWY 27 (SA CAT I), ILS RWY 27 (CAT II) ILS RWY 27 (CAT III)		SUP: AMDT: 10B 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		LPV: DA LNAV/VNAV: DA LNAV: RW27										
RDFSH (IAF)				GEYGR (FB)			312.89 / 7.00				4000		CLIMB TO 560 THEN CLIMBING LEFT TURN TO 3100 DIRECT TICVOY AND HOLD.										
GEYGR				SYYKO (FB)			313.47 / 4.00				3000												
SYYKO				TRANN (FB)			287.02 / 3.00				3000												
CLSIK (IAF)				GRUNG (FB)			245.63 / 4.11				4000												
GRUNG				SILLS (FB)			267.24 / 6.21				4000												
SILLS (IAF)				TRANN (FB)			267.25 / 5.04				3000		ADDITIONAL FLIGHT DATA: HOLD SW, RT, 031.22 INBOUND. FAS OBST: 294 AAO 295920N/0951408W DISTANCE TO THLD FROM 200 HAT: 0.46 NM. CHART VDP AT 1.27 MILES TO RW27* *LNAV ONLY. WAAS CHANNEL # 69626 REFERENCE PATH ID: W27A CHART 563 TOWER 300020N/0951300W CHART IN PLANVIEW: MANDATORY 6000 AT RDFSH. CHART IN PLANVIEW: MANDATORY 4000 AT CLSIK. CHART IN PLANVIEW: MANDATORY 4000 AT GEYGR. CHART IN PLANVIEW: MANDATORY 3000 AT SYYKO. LTP HAE: -1.5 M										
TRANN				DENTO (FB)			267.12 / 4.23				2000												
(SEE FORM 8260-10)																							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)														MAG VAR: 3E EPOCH YEAR: 2015									
2. PROFILE STARTS AT TRANN																							
3. FAC: 267.01 FAF: REDOC DIST FAF TO MAP: 4.27 THLD: 4.27																							
4. MIN. ALT: TRANN 3000, DENTO 2000, FESTA 2000, REDOC 1500																							
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																							
6. MIN GS INCPT: 1500 GS ALT AT: REDOC 1500 OM: _____ MM: _____ IM: _____																							
7. GS ANGLE: 3.00 TCH: 55.0 34:1 IS CLEAR																							
8. MSA FROM: RW27 3100																							
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	287	2400	200	287	2400	200	287	2400	200	287	2400	200	287	2400	200								
LNAV/VNAV DA	477	4500	390	477	4500	390	477	4500	390	477	4500	390	477	4500	390								
LNAV MDA	560	2400	473	560	2400	473	560	5000	473	560	5000	473	560	5000	473								
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -2C (29F) OR ABOVE 54C (130F). CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 26L AND RWY 26R. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: RADAR REQUIRED. (CONTINUED ON PAGE 2)																							
CITY AND STATE HOUSTON, TX			ELEVATION: 96 TDZE: 87 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) Z RWY 27, AMDT 5 15 SEPTEMBER 2016					SUP: AMDT: 4A DATED 07/24/2014									

QUALITY
4
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
DENTO (IF)	FESTA (FB)	267.12 / 7.22	2000
FESTA	REDOC (FB)	267.05 / 4.44	1500
REDOC (FAF)	RW27 (MAP) (FO)	267.01 / 4.27	
RW27 (MAP)	560 MSL	267.01	560
560 MSL	TICOY (FO)		3100

NOTES, (CONT.):

CHART SPEED ICON IN PLANVIEW AT SILLS : MAX 210 KIAS.

CHART SPEED ICON IN PLANVIEW AT CLSIK : MAX 210 KIAS.

CHART SPEED ICON IN PLANVIEW AT RDFSH : MAX 210 KIAS.

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

CHART NOTE: FOR INOP ALSF, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS

VISIBILITY TO 1 1/4, AND LNAV CAT C/D/E VISIBILITY TO 1 3/8.

CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

CITY AND STATE

HOUSTON, TX

ELEVATION: 96

TDZE: 87

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 27, AMDT 5

15 SEPTEMBER 2016

SUP:

AMDT:

4A

DATED:

07/24/2014

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**DATA FIELD****DATA**

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KIAH
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Z
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	295839.4065N
LTP/FTP LONGITUDE	0951809.0935W
LTP/FTP ELLIPSOIDAL HEIGHT	-00015
FPAP LATITUDE	295839.3350N
FPAP LONGITUDE	0952002.7885W
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	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER

F952D50F

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00259
FPAP ORTHOMETRIC HEIGHT	+00259

QUALITY
4

CITY AND STATE

HOUSTON, TX

ELEVATION: 96

TDZE: 87

AIRPORT NAME:

GEORGE BUSH INTERCONTINENTAL/HOUSTON

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) Z RWY 27, AMDT 5

15 SEPTEMBER 2016

SUP:

AMDT:

DATED:

4A

07/24/2014

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 - KIAH

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
CLSIK	010	CLSIK	IF	FB								AT 04000	AB 210	E A
CLSIK	020	GRUNG	TF	FB	1.0	245.6						AA 04000		E
CLSIK	030	SILLS	TF	FB	1.0	267.2						AA 04000	AB 210	E
CLSIK	040	TRANN	TF	FB	1.0	267.3						AA 03000		E
CLSIK	050	DENTO	TF	FB	1.0	267.1						AA 02000		EE B
RDFSH	010	RDFSH	IF	FB								AT 06000	AB 210	E A
RDFSH	020	GEYGR	TF	FB	1.0	312.9						AT 04000		E
RDFSH	030	SYKYO	TF	FB	1.0	313.5						AT 03000		E
RDFSH	040	TRANN	TF	FB	1.0	287.0						AA 03000		E
RDFSH	050	DENTO	TF	FB	1.0	267.1						AA 02000		EE B
SILLS	010	SILLS	IF	FB									AB 210	E A
SILLS	020	TRANN	TF	FB	1.0	267.3						AA 03000		E
SILLS	030	DENTO	TF	FB	1.0	267.1						AA 02000		EE B
	010	DENTO	IF	FB								AA 02000		E I
	011	FESTA	TF	FB	1.0	267.1						AA 02000		E
	020	REDOC	TF	FB	1.0	267.1				RW27		AA 01500		E F
	030	RW27	TF	FO	0.3	267.0		3.00				AT 00140		GY M
	040		CA	FB		267.0						AA 00560		M
	050	TICOY	DF	FO					L			AA 03100		EY
	060	TICOY	HM	FO					R			AA 03100		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CLSIK	N300005.79	W0943734.59
DENTO	N295838.63	W0945948.61
FESTA	N295839.30	W0950807.49
GEYGR	N295442.07	W0944831.33
GRUNG	N295835.66	W0944158.96
RDFSH	N294939.87	W0944254.98
REDOC	N295839.45	W0951314.03
SILLS	N295837.01	W0944908.17
SYKYO	N295736.46	W0945141.63
TICOY	N294201.24	W0953528.44
TRANN	N295838.20	W0945456.35

RUNWAYS

QUALITY
4
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 96 TDZE: 87		FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) Z RWY 27, AMDT 5 15 SEPTEMBER 2016	SUP: CHECKED
	AIRPORT NAME: GEORGE BUSH				AMDT: 4A
	INTERCONTINENTAL/HOUSTON				DATED: 07/24/2014

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 CLIMB TO 560 THEN CLIMBING LEFT TURN TO 3000 DIRECT TICoy AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 031.22 INBOUND. #TCH 141.7 MSL (DO NOT CHART). DISTANCE TO THLD FROM 302 HAT: 0.78 NM CHART IN PLANVIEW: MANDATORY 6000 AT RDFSH. CHART IN PLANVIEW: MANDATORY 4000 AT CLSIK. CHART IN PLANVIEW: MANDATORY 4000 AT GEYGR. CHART IN PLANVIEW: MANDATORY 3000 AT SYYKO. CHART IN PLANVIEW: MANDATORY 3000 AT TRANN. ROUTE TYPE: A, H. ROUTE TYPE QUALIFIER 1: F. ROUTE TYPE QUALIFIER 2: S.					
CLSIK (IAF)		GRUNG (TF) (FB) (RNP 1.00)		245.63 / 4.11				4000							
GRUNG		SILLS (TF) (FB) (RNP 1.00)		267.24 / 6.21				4000							
SILLS (IAF)		TRANN (TF) (FB) (RNP 1.00)		267.25 / 5.04				3000							
TRANN		DENTO (TF) (FB) (RNP 1.00)		267.12 / 4.23				2000							
RDFSH (IAF)		GEYGR (TF) (FB) (RNP 1.00)		312.89 / 7.00				4000							
(SEE FORM 8260-10)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT TRANN 3. FAC: 267.01 FAF: _____ DIST FAF TO MAP: _____ THLD: _____ 4. MIN. ALT: TRANN 3000, DENTO 2000, FESTA 2000, REDOC 1500 5. DIST TO THLD FROM OM: 4.27 MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1500 GS ALT AT: REDOC 1500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: #55.0 34:1 IS CLEAR 8. MSA FROM: RW27 3100															
										MAG VAR: 3E			EPOCH YEAR: 2015		
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD					
CATEGORY ==>		A		B		C		D		E		F		G	
	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 0.30 DA	389	2400	302	389	2400	302	389	2400	302	389	2400	302			
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -2C (29F) OR ABOVE 54C (130F). CHART NOTE: GPS REQUIRED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). CHART SPEED ICON IN PLANVIEW AT CLSIK: MAX 210 KIAS. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 96 TDZE: 87		AIRPORT NAME:		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:			
HOUSTON, TX						RNAV		RNP (RNP) Y RWY 27, AMDT 2				AMDT: 1B			
				GEORGE BUSH INTERCONTINENTAL/HOUSTON				15 SEPTEMBER 2016				DATED 04/30/2015			

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

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TERMINAL ROUTES, (CONT.):

	FROM	TO	COURSE AND DISTANCE	ALTITUDE
	GEYGR	SY YKO (TF) (FB) (RNP 1.00)	313.47 / 4.00	3000
	SY YKO	TRANN (TF) (FB) (RNP 1.00)	287.02 / 3.00	3000
	DENTO (IF)	FESTA (TF) (FB) (RNP 1.00)	267.12 / 7.22	2000
	FESTA	REDOC (TF) (FB) (RNP 1.00)	267.05 / 4.44	1500
	REDOC (FAF)	RW27 (MAP) (TF) (FO)	267.01 / 4.27	
	RW27 (MAP)	560 MSL (CA)	267.01	560
	560 MSL	TICOY (DF) (FO)		3000

NOTES, (CONT.):

CHART SPEED ICON IN PLANVIEW AT RDFSH: MAX 210 KIAS.

CHART PLANVIEW NOTE: RADAR REQUIRED.

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

CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.

QUALITY
5
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 96 TDZE: 87	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
	AIRPORT NAME:		RNAV (RNP) Y RWY 27, AMDT 2	AMDT: 1B
	GEORGE BUSH INTERCONTINENTAL/HOUSTON		15 SEPTEMBER 2016	DATED: 04/30/2015

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

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ARINC SUMMARY - KIAH

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
CLSIK	010	CLSIK	IF	FB								AT 04000	AB 210	E A
CLSIK	020	GRUNG	TF	FB	1.0							AA 04000		E
CLSIK	030	SILLS	TF	FB	1.0							AA 04000		E
CLSIK	040	TRANN	TF	FB	1.0							AT 03000		E
CLSIK	050	DENTO	TF	FB	1.0							AA 02000		E B
CLSIK	060	FESTA	TF	FB	1.0							AA 02000		EE
RDFSH	010	RDFSH	IF	FB								AT 06000	AB 210	E A
RDFSH	020	GEYGR	TF	FB	1.0							AT 04000		E
RDFSH	030	SYKYO	TF	FB	1.0							AT 03000		E
RDFSH	040	TRANN	TF	FB	1.0							AT 03000		E
RDFSH	050	DENTO	TF	FB	1.0							AA 02000		E B
RDFSH	060	FESTA	TF	FB	1.0							AA 02000		EE
SILLS	010	SILLS	IF	FB								AA 02000		E A
SILLS	020	TRANN	TF	FB	1.0							AT 03000		E
SILLS	030	DENTO	TF	FB	1.0							AA 02000		E B
SILLS	040	FESTA	TF	FB	1.0							AA 02000		EE
	010	FESTA	IF	FB								AA 02000		E I
	020	REDOC	TF	FB	1.0					RW27		AA 01500		E F
	030	RW27	TF	FO	0.3			3.00				AT 00140		GY M
	040		CA	FB		267.0						AA 00560		M
	050	TICOY	DF	FO								AA 03000		EY
	060	TICOY	HM	FO		031.2			R			AA 03000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
CLSIK	N300005.79	W0943734.59
DENTO	N295838.63	W0945948.61
FESTA	N295839.30	W0950807.49
GEYGR	N295442.07	W0944831.33
GRUNG	N295835.66	W0944158.96
RDFSH	N294939.87	W0944254.98
REDOC	N295839.45	W0951314.03
SILLS	N295837.01	W0944908.17
SYKYO	N295736.46	W0945141.63
TICOY	N294201.24	W0953528.44
TRANN	N295838.20	W0945456.35

QUALITY
28
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 96 TDZE: 87	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: GEORGE BUSH		RNAV (RNP) Y RWY 27, AMDT 2	AMDT: 1B
	INTERCONTINENTAL/HOUSTON		15 SEPTEMBER 2016	DATED: 04/30/2015

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

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RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW27	N295839.41	W0951809.09	00085	55.0

QUALITY
28
CHECKED

CITY AND STATE HOUSTON, TX	ELEVATION: 96 TDZE: 87 AIRPORT NAME: GEORGE BUSH INTERCONTINENTAL/HOUSTON	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (RNP) Y RWY 27, AMDT 2 15 SEPTEMBER 2016	SUP:
				AMDT: 1B
				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		LPV: DA LNAV/VNAV: DA LNAV: RW09 CLIMB TO 2600 DIRECT JADIM AND HOLD. ADDITIONAL FLIGHT DATA: HOLD E, RT, 270.12 INBOUND. CHART FAS OBST: 275 TOWER 364125N/0765643W CHART 449 TOWER 364101N/0765955W. CHART: 524 TOWER 364116N/0770058W DISTANCE TO THLD FROM 284 HAT: 0.77 NM. WAAS CHANNEL # 86327 REFERENCE PATH ID: W09A LTP HAE: -25.4 M									
GUMBE (IAF)		ETUME (NOPT) (FB)			066.14 / 19.11			2600											
MAZON (IAF)		ETUME (NOPT) (FB)			125.38 / 11.82			2600											
ETUME (IF/IAF)		SURUE (FB)			089.83 / 6.50			1700											
SURUE (FAF)		ZIGTU/2.50 NM TO RW09 (FB)			089.91 / 2.61														
ZIGTU/2.50 NM TO RW09		RW09 (MAP) (FO)			089.91 / 2.50														
RW09 (MAP)		319 MSL			089.91														
319 MSL		JADIM (FO)						2600											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W ETUME, RT, 089.83 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC: 089.91 FAF: SURUE DIST FAF TO MAP: 5.11 THLD: 5.11 4. MIN. ALT: ETUME 2600, SURUE 1700, ZIGTU/2.50 NM TO RW09 860* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: SURUE 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW09 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	320	1	285	320	1	285	320	1	285	320	1	285							
LNAV/VNAV DA	319	1	284	319	1	284	319	1	284	319	1	284							
LNAV MDA	580	1	545	580	1	545	580	1 5/8	545	580	1 5/8	545							
CIRCLING	660	1	620	660	1	620	660	1 3/4	620	660	2	620							
NOTES: CHART NOTE: BARO-VNAV NA WHEN USING SUFFOLK ALTIMETER SETTING. @ NA WHEN LOCAL WEATHER NOT AVAILABLE. 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. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT GUMBE ON V66 WESTBOUND AND ON V213 SOUTHWEST (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 40 TDZE: 35			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:						
FRANKLIN, VA		AIRPORT NAME:			FRANKLIN MUNI-JOHN BEVERLY ROSE			RNAV (GPS) RWY 9, AMDT 1B					AMDT: 1A						
								15 SEPTEMBER 2016					DATED 12/11/2014						

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

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NOTES, (CONT.):

BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MAZON ON V266 WESTBOUND.

*LNAV ONLY

CHART NOTE: STRAIGHT-IN RWY 9 AND CIRCLING RWY 9 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SUFFOLK ALTIMETER SETTING: INCREASE LPV

DA TO 358 FEET AND VISIBILITY ALL CATS 1/8 SM; INCREASE LNAV/VNAV DA TO 357 FEET AND VISIBILITY

ALL CATS 1/8 SM; INCREASE ALL MDA 40 FEET AND LNAV CATS C/D VISIBILITY 1/8 SM.

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

QUALITY
22

CHECKED

CITY AND STATE

FRANKLIN, VA

ELEVATION: 40

TDZE: 35

AIRPORT NAME:

FRANKLIN MUNI-JOHN BEVERLY ROSE

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 9, AMDT 1B

15 SEPTEMBER 2016

SUP:

AMDT:

DATED:

1A

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	KFKN
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	364157.2005N
LTP/FTP LONGITUDE	0765437.8745W
LTP/FTP ELLIPSOIDAL HEIGHT	-00254
FPAP LATITUDE	364211.1895N
FPAP LONGITUDE	0765248.4475W
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	1232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 2DEA2E64

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00100
FPAP ORTHOMETRIC HEIGHT	+00100

CITY AND STATE
FRANKLIN, VA

ELEVATION: 40 TDZE: 35
AIRPORT NAME:
FRANKLIN MUNI-JOHN BEVERLY ROSE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 9, AMDT 1B
15 SEPTEMBER 2016

SUP: **QUALITY
22
CHECKED**
AMDT: 1A
DATED: 12/11/2014

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 - KFKN ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>ETUME</td><td>010</td><td>ETUME</td><td>HF</td><td>FO</td><td></td><td>089.8</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 02600</td><td></td><td>EE A</td></tr> <tr><td>GUMBE</td><td>010</td><td>GUMBE</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>GUMBE</td><td>020</td><td>ETUME</td><td>TF</td><td>FB</td><td>1.0</td><td>066.1</td><td></td><td></td><td></td><td></td><td></td><td>AA 02600</td><td></td><td>EE B</td></tr> <tr><td>MAZON</td><td>010</td><td>MAZON</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>MAZON</td><td>020</td><td>ETUME</td><td>TF</td><td>FB</td><td>1.0</td><td>125.4</td><td></td><td></td><td></td><td></td><td></td><td>AA 02600</td><td></td><td>EE B</td></tr> <tr><td></td><td>010</td><td>ETUME</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 02600</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>SURUE</td><td>TF</td><td>FB</td><td>1.0</td><td>089.8</td><td></td><td></td><td></td><td>RW09</td><td></td><td>AA 01700</td><td></td><td>E F</td></tr> <tr><td></td><td>021</td><td>ZIGTU</td><td>TF</td><td>FB</td><td>0.3</td><td>089.9</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AA 00860 GS 00869</td><td></td><td>E S</td></tr> <tr><td></td><td>030</td><td>RW09</td><td>TF</td><td>FO</td><td>0.3</td><td>089.9</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 00073</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>089.9</td><td></td><td></td><td></td><td></td><td></td><td>AA 00319</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>JADIM</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 02600</td><td></td><td>EY</td></tr> <tr><td></td><td>060</td><td>JADIM</td><td>HM</td><td>FO</td><td></td><td>270.1</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 02600</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; 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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																																																																																																																																																																																																																																		
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CITY AND STATE FRANKLIN, VA		ELEVATION: 40 TDZE: 35 AIRPORT NAME: FRANKLIN MUNI-JOHN BEVERLY ROSE		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 9, AMDT 1B 15 SEPTEMBER 2016			SUP: 1A DATED: 12/11/2014																																																																																																																																																																																																																																							

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TERMINAL ROUTES										MISSED APPROACH									
FROM		TO			COURSE AND DISTANCE			ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW27 CLIMB TO 2600 DIRECT ETUME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, RT, 089.83 INBOUND. CHART FAS OBST: 188 TREE 364242N/0765108W DISTANCE TO THLD FROM 314 HAT: 0.86 NM. CHART VDP AT 1.13 NM TO RW27* *LNAV ONLY. WAAS CHANNEL # 90227 REFERENCE PATH ID: W27A LTP HAE: -23.3 M									
HPW VORTAC		DRIVE (FB)			143.00 / 36.63			2600											
DRIVE (IAF)		JADIM (NOPT) (FB)			211.45 / 11.12			2600											
EDTAJ (IAF)		JADIM (NOPT) (FB)			341.08 / 8.58			2600											
JADIM (IF/IAF)		OBERE (FB)			270.12 / 6.50			1700											
OBERE (FAF)		FOVPO/2.30 NM TO RW27 (FB)			270.04 / 2.79														
FOVPO/2.30 NM TO RW27		RW27 (MAP) (FO)			270.04 / 2.30														
RW27 (MAP)		354 MSL			270.04														
354 MSL		ETUME (FO)						2600											
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E JADIM, RT, 270.12 INBOUND, 2600 FT. IN LIEU OF PT (IAF) 3. FAC: 270.04 FAF: OBERE DIST FAF TO MAP: 5.09 THLD: 5.09 4. MIN. ALT: JADIM 2600, OBERE 1700, FOVPO/2.30 NM TO RW27 800* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: OBERE 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 40.0 34:1 IS NOT CLEAR 8. MSA FROM: RW27 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	366	1 1/8	326	366	1 1/8	326	366	1 1/8	326	366	1 1/8	326							
LNAV/VNAV DA	354	1	314	354	1	314	354	1	314	354	1	314							
LNAV MDA	440	1	400	440	1	400	440	1 1/8	400	440	1 1/8	400							
CIRCLING	660	1	620	660	1	620	660	1 3/4	620	660	2	620							
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CITY AND STATE		ELEVATION: 40 TDZE: 40			FACILITY IDENTIFIER: RNAV			PROCEDURE NO./AMDT NO./EFFECTIVE DATE:					SUP:						
FRANKLIN, VA		AIRPORT NAME:			FRANKLIN MUNI-JOHN BEVERLY ROSE			RNAV (GPS) RWY 27, AMDT 1B					AMDT: 1A						
								15 SEPTEMBER 2016					DATED 12/11/2014						

 QUALITY
22
CHECKED

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 PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON HPW VORTAC AIRWAY RADIALS 178 CW 215.

*LNAV ONLY

CHART NOTE: CIRCLING RWY 9 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SUFFOLK ALTIMETER SETTING: INCREASE LPV DA TO 404 FEET AND VISIBILITY ALL CATS 1/8 SM; INCREASE LNAV/VNAV DA TO 392 FEET AND VISIBILITY ALL CATS 1/4 SM; INCREASE ALL MDA 40 FEET AND LNAV CATS C/D VISIBILITY 1/8 SM.

CHART NOTE: RWY 27 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CITY AND STATE

FRANKLIN, VA

ELEVATION: 40

TDZE: 40

AIRPORT NAME:

FRANKLIN MUNI-JOHN BEVERLY ROSE

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 27, AMDT 1B

15 SEPTEMBER 2016

SUP:

AMDT: **1A**

DATED: **12/11/2014**

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	KFKN
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	364204.9245N
LTP/FTP LONGITUDE	0765337.5240W
LTP/FTP ELLIPSOIDAL HEIGHT	-00233
FPAP LATITUDE	364150.9235N
FPAP LONGITUDE	0765526.9470W
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	1232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 8D780CF2

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00122
FPAP ORTHOMETRIC HEIGHT	+00122

CITY AND STATE
FRANKLIN, VA

ELEVATION: 40 TDZE: 40
AIRPORT NAME:
FRANKLIN MUNI-JOHN BEVERLY ROSE

FACILITY
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PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 27, AMDT 1B
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SUP: **QUALITY
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AMDT: 1A
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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 - KFKN ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr><td>EDTAJ</td><td>010</td><td>EDTAJ</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E A</td></tr> <tr><td>EDTAJ</td><td>020</td><td>JADIM</td><td>TF</td><td>FB</td><td>1.0</td><td>341.1</td><td></td><td></td><td></td><td></td><td></td><td>AA 02600</td><td></td><td>EE B</td></tr> <tr><td>HPW</td><td>010</td><td>HPW</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>V</td></tr> <tr><td>HPW</td><td>020</td><td>DRIVE</td><td>TF</td><td>FB</td><td>2.0</td><td>143.0</td><td></td><td></td><td></td><td></td><td></td><td>AA 02600</td><td></td><td>E A</td></tr> <tr><td>HPW</td><td>030</td><td>JADIM</td><td>TF</td><td>FB</td><td>1.0</td><td>211.5</td><td></td><td></td><td></td><td></td><td></td><td>AA 02600</td><td></td><td>EE B</td></tr> <tr><td>JADIM</td><td>010</td><td>JADIM</td><td>HF</td><td>FO</td><td></td><td>270.1</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 02600</td><td></td><td>EE A</td></tr> <tr><td></td><td>010</td><td>JADIM</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 02600</td><td></td><td>E I</td></tr> <tr><td></td><td>020</td><td>OBERE</td><td>TF</td><td>FB</td><td>1.0</td><td>270.1</td><td></td><td></td><td></td><td>RW27</td><td></td><td>AA 01700</td><td></td><td>E F</td></tr> <tr><td></td><td>021</td><td>FOVPO</td><td>TF</td><td>FB</td><td>0.3</td><td>270.0</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AA 00800 GS 00812</td><td></td><td>E S</td></tr> <tr><td></td><td>030</td><td>RW27</td><td>TF</td><td>FO</td><td>0.3</td><td>270.0</td><td></td><td>3.00</td><td></td><td></td><td></td><td>AT 00080</td><td></td><td>GY M</td></tr> <tr><td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>270.0</td><td></td><td></td><td></td><td></td><td></td><td>AA 00354</td><td></td><td>M</td></tr> <tr><td></td><td>050</td><td>ETUME</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 02600</td><td></td><td>EY</td></tr> <tr><td></td><td>060</td><td>ETUME</td><td>HM</td><td>FO</td><td></td><td>089.8</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 02600</td><td></td><td>EE</td></tr> </tbody> </table> POINTS <table style="width:100%; 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CITY AND STATE FRANKLIN, VA		ELEVATION: 40 TDZE: 40 AIRPORT NAME: FRANKLIN MUNI-JOHN BEVERLY ROSE		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 27, AMDT 1B 15 SEPTEMBER 2016			SUP: AMDT: 1A DATED: 12/11/2014																																																																																																																																																																																																																																																									

**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
FRANKLIN, VA	FRANKLIN MUNI-JOHN BEVERLY ROSE	15 SEPTEMBER 2016	2A

TAKEOFF MINIMUMS:

STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 9, TREE 159 FT FROM DER, 306 FT RIGHT OF CENTERLINE, 69 FT MSL. TREE 233 FT FROM DER, 315 FT RIGHT OF CENTERLINE, 73 FT MSL. TREES BEGINNING 235 FT FROM DER, 386 FT RIGHT OF CENTERLINE, UP TO 96 FT MSL. TREE AND VEHICLE ON ROAD BEGINNING 432 FT FROM DER, 191 FT RIGHT OF CENTERLINE, UP TO 102 FT MSL. TREES BEGINNING 944 FT FROM DER, 621 FT LEFT OF CENTERLINE, UP TO 106 FT MSL. TREES BEGINNING 1191 FT FROM DER, 594 FT LEFT OF CENTERLINE, UP TO 109 FT MSL. TREES BEGINNING 1279 FT FROM DER, 79 FT LEFT OF CENTERLINE, UP TO 117 FT MSL. TREES BEGINNING 1877 FT FROM DER, 178 FT RIGHT OF CENTERLINE, UP TO 118 FT MSL. TREE 2341 FT FROM DER, 770 FT RIGHT OF CENTERLINE, 128 FT MSL. TREES BEGINNING 2386 FT FROM DER, 931 FT RIGHT OF CENTERLINE, UP TO 139 FT MSL. TREES BEGINNING 2523 FT FROM DER, 312 FT RIGHT OF CENTERLINE, UP TO 144 FT MSL. TREES BEGINNING 3122 FT FROM DER, 901 FT RIGHT OF CENTERLINE, UP TO 149 FT MSL. TREES BEGINNING 3203 FT FROM DER, 415 FT RIGHT OF CENTERLINE, UP TO 151 FT MSL. TREES BEGINNING 3484 FT FROM DER, 107 FT RIGHT OF CENTERLINE, UP TO 159 FT MSL. TREE 3573 FT FROM DER, 20 FT LEFT OF CENTERLINE, 131 FT MSL. TREE 4245 FT FROM DER, 157 FT LEFT OF CENTERLINE, 149 FT MSL.

NOTE: RWY 27, TREES BEGINNING ABEAM DER, 362 FT LEFT OF CENTERLINE, UP TO 119 FT MSL. TREES BEGINNING 211 FT FROM DER, 121 FT RIGHT OF CENTERLINE, UP TO 55 FT MSL. POLE AND TREE BEGINNING 559 FT FROM DER, 470 FT RIGHT OF CENTERLINE, UP TO 33 FT AGL/63 FT MSL. POLE 596 FT FROM DER, 299 FT RIGHT OF CENTERLINE, 43 FT AGL/68 FT MSL. TREES BEGINNING 606 FT FROM DER, 298 FT RIGHT OF CENTERLINE, UP TO 71 FT MSL. TREE 946 FT FROM DER, 550 FT RIGHT OF CENTERLINE, 96 FT MSL. TREES BEGINNING 997 FT FROM DER, 593 FT RIGHT OF CENTERLINE, UP TO 107 FT MSL. TREES BEGINNING 1017 FT FROM DER, 24 FT RIGHT OF CENTERLINE, UP TO 109 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**

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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
FRANKLIN, VA	FRANKLIN MUNI-JOHN BEVERLY ROSE	15 SEPTEMBER 2016	2A

REMARKS:

<u>FLIGHT INSPECTED BY:</u>	<i>Digitally signed by</i> JULIE A MORGAN	<u>OFFICE SYMBOL:</u>	<u>DATE:</u>
JAMES ONIEAL	FICO Aug 05, 2016 06/22/2016		
<u>DEVELOPED BY:</u>	<i>Digitally signed by</i> PETER R GUIMOND Apr 30, 2016	<u>OFFICE SYMBOL:</u> AJV-5412	<u>DATE:</u> 04/30/2016
<u>APPROVED BY:</u>	<i>Digitally signed by</i> MARLON ROBINSON JULIE A MORGAN Aug 05, 2016	<u>OFFICE SYMBOL:</u> AJV5410	<u>DATE:</u>

REQUIRED EFFECTIVE DATE:

ROUTINE.

COORDINATED WITH:

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

OTHER:

ZDC, ORF APP CON, AMGR.

CHANGES - REASONS:

AMENDED TAKEOFF OBSTACLE NOTES FOR RWY 9 AND 27 - NEW OBSTACLE STUDY USING SURVEY ADDED SINCE LAST AMENDMENT.
FORMATTED IN ACCORDANCE WITH CURRENT DOCUMENTATION POLICY.

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 HATH, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.							
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		ADDITIONAL FLIGHT DATA:					
1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)															
2. _____															
3. FAC: _____ FAF: _____ DIST FAF TO MAP: _____ THLD: _____															
4. MIN. ALT: _____															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____															
7. GS ANGLE: _____ TCH: _____															
8. MSA FROM: _____										MAG VAR: _____			EPOCH YEAR: _____		
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT															
ALTERNATE: N A															
CATEGORY =====>															
	DH/MDA	VIS		DH/MDA	VIS		DH/MDA	VIS		DH/MDA	VIS		DH/MDA	VIS	
NOTES:															
PROCEDURE CANCELED EFFECTIVE 15 SEPTEMBER 2016															
CITY AND STATE LAWRENCEVILLE, VA		ELEVATION: 329 THRE: 329 AIRPORT NAME: LAWRENCEVILLE/BRUNSWICK MUNI				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 18, ORIG-A, 12/15/2011				SUP: AMDT: ORIG DATED 11/25/2004			

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 HATH, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are 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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4. MIN. ALT: _____															
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____															
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____															
7. GS ANGLE: _____ TCH: _____															
8. MSA FROM: _____										MAG VAR: _____			EPOCH YEAR: _____		
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT															
ALTERNATE: N A															
CATEGORY =====>															
		DH/MDA	VIS		DH/MDA	VIS		DH/MDA	VIS		DH/MDA	VIS		DH/MDA	VIS
NOTES:															
PROCEDURE CANCELED EFFECTIVE 15 SEPTEMBER 2016															
CITY AND STATE LAWRENCEVILLE, VA		ELEVATION: 329 THRE: 311 AIRPORT NAME: LAWRENCEVILLE/BRUNSWICK MUNI				FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 36, ORIG-A, 12/15/2011				SUP: AMDT: ORIG DATED 11/25/2004			

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							
MANGE (IAF)		APOYU (FB)		224.14 / 7.33				2000		CLIMBING LEFT TURN TO 4000 DIRECT GEPKE AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.							
APOYU (IF)		BINAC (FB)		180.48 / 5.00				1600									
BINAC (FAF)		RW18 (MAP) (FO)		180.48 / 3.87						ADDITIONAL FLIGHT DATA: HOLD SW, RT, 036.98 INBOUND. CHART ARRIVAL HOLDING AT MANGE: HOLD NE, LT, 224.14 INBOUND, 2000. FAS OBST: 569 AAO 364906N/0774800W CHART CIRCLING ICON. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. CHART R-6602.							
RW18 (MAP)		729 MSL		180.48				4000									
729 MSL		GEPKE (FO)															
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. PROFILE STARTS AT APOYU																	
3. FAC: 180.48 FAF: BINAC DIST FAF TO MAP: 3.87 THLD: 3.87																	
4. MIN. ALT: APOYU 2000, BINAC 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: _____																	
8. MSA FROM: RW18 2500																	
MAG VAR: 8W EPOCH YEAR: 1985																	
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		
CIRCLING	1340	3	1011	1340	3	1011		NA			NA						
NOTES: CHART NOTE: CIRCLING NA TO RWYS 6 AND 24. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. (CONTINUED ON PAGE 2)																	
CITY AND STATE LAWRENCEVILLE, VA		ELEVATION: 329 TDZE: AIRPORT NAME: LAWRENCEVILLE/BRUNSWICK MUNI		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, ORIG 15 SEPTEMBER 2016						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.

NOTES, (CONT.):
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH HILL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.



CITY AND STATE LAWRENCEVILLE, VA	ELEVATION: 329 AIRPORT NAME: LAWRENCEVILLE/BRUNSWICK MUNI	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-A, ORIG 15 SEPTEMBER 2016	SUP:
					AMDT: NONE
					DATED:

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 - KLVL ROUTES <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">TRANSITION</th> <th style="text-align: left;">WPT SEQ</th> <th style="text-align: left;">WPT NAME</th> <th style="text-align: left;">LEG TYPE</th> <th style="text-align: left;">FB/FO</th> <th style="text-align: left;">RNP</th> <th style="text-align: left;">MAG CRS</th> <th style="text-align: left;">REC NAV</th> <th style="text-align: left;">ANGLE</th> <th style="text-align: left;">TURN DIR</th> <th style="text-align: left;">CENTER FIX</th> <th style="text-align: left;">TURN RADIUS</th> <th style="text-align: left;">ALTITUDE DESCRIPTION & VALUE</th> <th style="text-align: left;">SPEED LIMIT DESCRIPTION & VALUE</th> <th style="text-align: left;">WPT DESCRIPTION CODE</th> </tr> </thead> <tbody> <tr> <td>MANGE</td><td>010</td><td>MANGE</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 02000</td><td></td><td>E C</td> </tr> <tr> <td>MANGE</td><td>020</td><td>APOYU</td><td>TF</td><td>FB</td><td>1.0</td><td>224.1</td><td></td><td></td><td></td><td></td><td></td><td>AA 02000</td><td></td><td>EE B</td> </tr> <tr> <td></td><td>010</td><td>APOYU</td><td>IF</td><td>FB</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>AA 02000</td><td></td><td>E I</td> </tr> <tr> <td></td><td>020</td><td>BINAC</td><td>TF</td><td>FB</td><td>1.0</td><td>180.5</td><td></td><td></td><td></td><td>RW18</td><td></td><td>AA 01600</td><td></td><td>E F</td> </tr> <tr> <td></td><td>030</td><td>RW18</td><td>TF</td><td>FO</td><td>0.3</td><td>180.5</td><td></td><td>2.98</td><td></td><td></td><td></td><td>AT 00369</td><td></td><td>GY M</td> </tr> <tr> <td></td><td>040</td><td></td><td>CA</td><td>FB</td><td></td><td>180.5</td><td></td><td></td><td></td><td></td><td></td><td>AA 00729</td><td></td><td>M</td> </tr> <tr> <td></td><td>050</td><td>GEPKE</td><td>DF</td><td>FO</td><td></td><td></td><td></td><td></td><td>L</td><td></td><td></td><td>AA 04000</td><td></td><td>EY</td> </tr> <tr> <td></td><td>060</td><td>GEPKE</td><td>HM</td><td>FO</td><td></td><td>037.0</td><td></td><td></td><td>R</td><td></td><td></td><td>AA 04000</td><td></td><td>EE</td> </tr> </tbody> </table> POINTS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">POINT NAME</th> <th style="text-align: left;">LATITUDE</th> <th style="text-align: left;">LONGITUDE</th> </tr> </thead> <tbody> <tr> <td>GEPKE</td> <td>N364619.82</td> <td>W0773008.12</td> </tr> <tr> <td>MANGE</td> <td>N370127.74</td> <td>W0774343.08</td> </tr> <tr> <td>APOYU</td> <td>N365531.79</td> <td>W0774906.79</td> </tr> <tr> <td>BINAC</td> <td>N365033.77</td> <td>W0774817.81</td> </tr> </tbody> </table> RUNWAYS <table style="width:100%; border-collapse: collapse; font-family: monospace; font-size: small;"> <thead> <tr> <th style="text-align: left;">RUNWAY</th> <th style="text-align: left;">THRESHOLD LATITUDE</th> <th style="text-align: left;">THRESHOLD LONGITUDE</th> <th style="text-align: left;">THRESHOLD ELEVATION</th> <th style="text-align: left;">PROCEDURE TCH</th> </tr> </thead> <tbody> <tr> <td>RW18</td> <td>N364643.47</td> <td>W0774740.04</td> <td>00329</td> <td>40</td> </tr> </tbody> </table>														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	MANGE	010	MANGE	IF	FB								AA 02000		E C	MANGE	020	APOYU	TF	FB	1.0	224.1						AA 02000		EE B		010	APOYU	IF	FB								AA 02000		E I		020	BINAC	TF	FB	1.0	180.5				RW18		AA 01600		E F		030	RW18	TF	FO	0.3	180.5		2.98				AT 00369		GY M		040		CA	FB		180.5						AA 00729		M		050	GEPKE	DF	FO					L			AA 04000		EY		060	GEPKE	HM	FO		037.0			R			AA 04000		EE	POINT NAME	LATITUDE	LONGITUDE	GEPKE	N364619.82	W0773008.12	MANGE	N370127.74	W0774343.08	APOYU	N365531.79	W0774906.79	BINAC	N365033.77	W0774817.81	RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH	RW18	N364643.47	W0774740.04	00329	40
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																																																																																																																																																															
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CITY AND STATE LAWRENCEVILLE, VA		ELEVATION: 329 TDZE: AIRPORT NAME: LAWRENCEVILLE/BRUNSWICK MUNI		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-A, ORIG 15 SEPTEMBER 2016		SUP: 4 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		RW36							
FITIK (IF/IAF)		WEMBU (FB)		000.51 / 6.00				1900		CLIMBING LEFT TURN TO 3000 DIRECT FITIK AND HOLD.							
WEMBU (FAF)		RW36 (MAP) (FO)		000.50 / 4.86													
RW36 (MAP)		729 MSL		000.50													
729 MSL		FITIK (FO)						3000		ADDITIONAL FLIGHT DATA: FAS OBST: 509 AAO 364438N/0774650W CHART CIRCLING ICON. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. CHART R-6602.							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)																	
2. HOLD S FITIK, RT, 000.51 INBOUND, 2800 FT. IN LIEU OF PT (IAF)																	
3. FAC: 000.50 FAF: WEMBU DIST FAF TO MAP: 4.86 THLD: _____																	
4. MIN. ALT: FITIK 2800, WEMBU 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: _____																	
8. MSA FROM: _____																	
MAG VAR: 8W EPOCH YEAR: 1985																	
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		
CIRCLING	1340	3	1011	1340	3	1011		NA			NA						
NOTES: CHART NOTE: CIRCLING NA TO RWYS 6 AND 24. CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. (CONTINUED ON PAGE 2)																	
CITY AND STATE LAWRENCEVILLE, VA		ELEVATION: 329 TDZE: AIRPORT NAME: LAWRENCEVILLE/BRUNSWICK MUNI		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 15 SEPTEMBER 2016						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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NOTES, (CONT.):

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SOUTH HILL ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET.

TAA

	FROM	TO	ALT
1.	271/30 CW 091/30 (NOPT)	FITIK (IF/IAF) (FB)	2800
2.	091/30 CW 271/30	FITIK (IF/IAF) (FO)	2800

QUALITY
5
CHECKED

CITY AND STATE LAWRENCEVILLE, VA	ELEVATION: 329 AIRPORT NAME: LAWRENCEVILLE/BRUNSWICK MUNI	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS)-B, ORIG 15 SEPTEMBER 2016	SUP:
					AMDT: NONE
					DATED:

ARINC SUMMARY - KLVL

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
FITIK	010	FITIK	HF	FO		000.5			R			AA 02800		EE A
	010	FITIK	IF	FB								AA 02800		E I
	020	WEMBU	TF	FB	1.0	000.5						AA 01900		E F
	030	RW36	TF	FO	0.3	000.5		2.95				AT 00351		GY M
	040		CA	FB		000.5						AA 00729		M
	050	FITIK	DF	FO					L			AA 03000		EY
	060	FITIK	HM	FO		000.5			R			AA 02800		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
FITIK	N363526.97	W0774549.44
WEMBU	N364124.20	W0774647.78

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW36	N364613.86	W0774735.19	00311	40

CITY AND STATE LAWRENCEVILLE, VA	ELEVATION: 329	TDZE:	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS)-B, ORIG 15 SEPTEMBER 2016	SUP:	QUALITY 4 CHECKED	
	AIRPORT NAME: LAWRENCEVILLE/BRUNSWICK MUNI				AMDT:		NONE
					DATED:		

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: 4.40 NM AFTER NEZZZ INT/I-FYJ 5.16 DME OR AT (CFFHD)/I-FYJ 0.77 DME FIX									
HCM VORTAC			LISPE INT/I-FYJ 14.37 DME			286.45 / 16.60			2000		CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT HCM VORTAC AND HOLD, CONTINUE CLIMB-IN-HOLD TO 2000, OR AS DIRECTED BY ATC.									
HPW VORTAC (IAF)			LISPE INT/I-FYJ 14.37 DME (NOPT)			022.63 / 10.31			2000		ALTERNATE MA (DO NOT CHART): CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT HPW VORTAC AND HOLD.									
LISPE INT/I-FYJ 14.37 DME (IF/IAF)			NEZZZ INT/I-FYJ 5.16 DME			094.13 / 9.20 (I-FYJ)			1700											
										ADDITIONAL FLIGHT DATA: HOLD SE, RT, 335.00 INBOUND. CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S HPW VORTAC, RT, 003.00 INBOUND. CHART FAS OBST: 115 TREE 373057N/0764822W CHART 375 TOWER 373006N/0765215W. CHART VDP AT 1.61 DME DISTANCE VDP TO THLD 0.84 NM. CHART IN PLANVIEW: HPW VORTAC. NEZZZ TO RW10: 3.50/52.7. CHART CIRCLING ICON. CHART HPW 10.31 DME AT LISPE. FAC CROSSES RWY C/L EXTENDED 1594 FT FROM THLD. CHART PLANVIEW NOTE: LOC OFFSET 3.00 DEGREES.										
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 11W EPOCH YEAR: 2010										
2. HOLD W LISPE, RT, 094.13 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																				
3. FAC 094.13 FAF NEZZZ INT/I-FYJ 5.16 DME DIST FAF TO MAP 4.40 THLD 4.40																				
4. MIN. ALT LISPE 2000, NEZZZ 1700, XIPYY/I-FYJ 2.42 DME 680*																				
8. MSA FROM: HCM VORTAC 1700																				
MINIMUMS																				
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT										ALTERNATE: N A		X								
CATEGORY =====>		A			B			C			D			E						
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA					
S-10	680	1	666	680	1	666		NA			NA									
CIRCLING	680	1	660	680	1	660		NA			NA									
XIPYY FIX MINIMUMS																				
S-10	380	1	366	380	1	366		NA			NA									
CIRCLING	480	1	460	620	1	600		NA			NA									
NOTES:																				
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON HPW VORTAC AIRWAY RADIALS 323 CW 025. *760 WHEN USING NEWPORT NEWS ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEWPORT NEWS ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET AND INCREASE S-10 CAT B AND CIRCLING CAT B VISIBILITY 1/4 SM. CHART NOTE: VDP NA WHEN USING NEWPORT NEWS ALTIMETER SETTING.																				
CITY AND STATE WEST POINT, VA		ELEVATION: 20 AIRPORT NAME:			TDZE: 14 MIDDLE PENINSULA RGNL		FACILITY IDENTIFIER: I-FYJ		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: LOC RWY 10, ORIG 15 SEPTEMBER 2016				SUP AMDT DATE		QUALITY 4 NONE CHECKED					

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TERMINAL ROUTES										MISSED APPROACH						
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW10 CLIMB TO 2000 DIRECT CIBAC AND ON TRACK 147.06 TO JUDLU AND HOLD. ADDITIONAL FLIGHT DATA: HOLD W, LT, 110.85 INBOUND. CHART FAS OBST: 127 TREE 373133N/0764631W CHART: 376 TOWER 373002N/0765213W DISTANCE TO THLD FROM 250 HAT: 0.65 NM. CHART VDP AT 0.84 NM TO RW10* *LNAV ONLY. WAAS CHANNEL # 40317 REFERENCE PATH ID: W10A LTP HAE: -30.8 M						
HPW VORTAC (IAF)		ICACO (NOPT) (FB)		030.00 / 11.24				2000								
ICACO (IF/IAF)		KULEY (FB)		096.98 / 7.74				1700								
KULEY (FAF)		GORYE/1.90 NM TO RW10 (FB)		097.08 / 3.19												
GORYE/1.90 NM TO RW10		RW10 (MAP) (FO)		097.08 / 1.90												
RW10 (MAP)		264 MSL		097.08												
264 MSL		CIBAC (FB)														
CIBAC		JUDLU (FO)		147.06 / 7.75				2000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD W ICACO, RT, 096.98 INBOUND, 2000 FT. IN LIEU OF PT (IAF) 3. FAC: 097.08 FAF: KULEY DIST FAF TO MAP: 5.09 THLD: 5.09 4. MIN. ALT: ICACO 2000, KULEY 1700, GORYE/1.90 NM TO RW10 660* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1700 GS ALT AT: KULEY 1700 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 45.0 34:1 IS CLEAR 8. MSA FROM: RW10 2000										MAG VAR: 11W 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	264	1	250	264	1	250		NA			NA					
LNAV/VNAV DA	355	1 1/4	341	355	1 1/4	341		NA			NA					
LNAV MDA	380	1	366	380	1	366		NA			NA					
CIRCLING	480	1	460	620	1	600		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: BARO-VNAV AND VDP NA WHEN USING NEWPORT NEWS ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON HPW VORTAC AIRWAY RADIALS 323 CW 025. (CONTINUED ON PAGE 2)																
CITY AND STATE		ELEVATION: 20 TDZE: 14		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP: 4						
WEST POINT, VA		AIRPORT NAME:		MIDDLE PENINSULA RGNL		RNAV (GPS) RWY 10, AMDT 1A				AMDT: 1						
						15 SEPTEMBER 2016				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.

NOTES, (CONT.):

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

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEWPORT NEWS ALTIMETER SETTING:

INCREASE LPV DA TO 329 FEET; INCREASE LNAV/VNAV DA TO 420 FEET AND CATS A/B VISIBILITY 1/4 SM;

INCREASE ALL MDA 80 FEET.

CITY AND STATE

WEST POINT, VA

ELEVATION: 20

TDZE: 14

AIRPORT NAME:

MIDDLE PENINSULA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, AMDT 1A

15 SEPTEMBER 2016

SUP:

4

AMDT:

DATED: 06/03/2010

**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	KFYJ
RUNWAY	RW10
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W10A
LTP/FTP LATITUDE	373115.1805N
LTP/FTP LONGITUDE	0764616.9365W
LTP/FTP ELLIPSOIDAL HEIGHT	-00308
FPAP LATITUDE	373121.1865N
FPAP LONGITUDE	0764425.1910W
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	1232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 25CAB254

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00040
FPAP ORTHOMETRIC HEIGHT	+00040

CITY AND STATE

WEST POINT, VA

ELEVATION: 20

TDZE: 14

AIRPORT NAME:

MIDDLE PENINSULA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 10, AMDT 1A

15 SEPTEMBER 2016

SUP:

4

AMDT:

DATED:

06/03/2010

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 - KFYJ

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
HPW	010	HPW	IF	FB										V A
HPW	020	ICACO	TF	FB	1.0	030.0						AA 02000		EE B
ICACO	010	ICACO	HF	FO		097.0			R			AA 02000		EE A
	010	ICACO	IF	FB								AA 02000		E I
	020	KULEY	TF	FB	1.0	097.0				RW10		AA 01700		E F
	021	GORYE	TF	FB	0.3	097.1		3.00				AA 00660 GS 00666		E S
	030	RW10	TF	FO	0.3	097.1		3.00				AT 00058		GY M
	040		CA	FB	1.0	097.1						AA 00264		M
	050	CIBAC	DF	FB	1.0									E
	060	JUDLU	TF	FO	1.0	147.1						AA 02000		EY
	070	JUDLU	HM	FO		110.9			L			AA 02000		EE

POINTS

POINT NAME	LATITUDE	LONGITUDE
HPW	N371943.93	W0770657.40
CIBAC	N373128.86	W0764200.98
JUDLU	N372553.30	W0763515.64
GORYE	N373107.48	W0764839.82
ICACO	N373022.25	W0770221.47
KULEY	N373054.45	W0765239.57

RUNWAYS

RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH
RW10	N373115.18	W0764616.94	00013	45

CITY AND STATE WEST POINT, VA	ELEVATION: 20 TDZE: 14 AIRPORT NAME: MIDDLE PENINSULA RGNL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 10, AMDT 1A 15 SEPTEMBER 2016	SUP: AMDT: 1 DATED: 06/03/2010
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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		LP: RW28 LNAV: RW28						
CORET (IAF)		ZINAV (NOPT) (FB)			187.30 / 11.71			2000		CLIMB TO 2000 DIRECT ICACO AND HOLD.						
STEIN (IAF)		ZINAV (NOPT) (FB)			261.24 / 9.10			2000								
ZINAV (IF)		JUGPI (FB)			277.30 / 7.00			2000								
JUGPI (FAF)		YINDU/1.80 NM TO RW28 (FB)			277.22 / 3.38											
YINDU/1.80 NM TO RW28		RW28 (MAP) (FO)			277.22 / 1.80					ADDITIONAL FLIGHT DATA: HOLD W, RT, 096.98 INBOUND. CHART FAS OBST: 167 TREE 373116N/0764330W CHART FAS OBST: 186 TREE 373200N/0764316W CHART: 415 TOWER 373156N/0763829W CHART VDP AT 0.93 NM TO RW28. WAAS CHANNEL # 50323 REFERENCE PATH ID: W28A JUGPI TO RW28: 3.50/53. CHART CIRCLING ICON. LTP HAE: -28.6 M						
RW28 (MAP)		420 MSL			277.22											
420 MSL		ICACO (FO)						2000								
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF)										MAG VAR: 11W EPOCH YEAR: 2010						
2. HOLD E ZINAV, RT, 277.30 INBOUND, 2000 FT. IN LIEU OF PT (IAF)																
3. FAC: 277.22 FAF: JUGPI DIST FAF TO MAP: 5.18 THLD: 5.18																
4. MIN. ALT: ZINAV 2000, JUGPI 2000, YINDU/1.80 NM TO RW28 740																
5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____																
6. MIN GS INCPT: _____ GS ALT AT: _____ OM: _____ MM: _____ IM: _____																
7. GS ANGLE: _____ TCH: 34:1 IS NOT CLEAR																
8. MSA FROM: RW28 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	
LP MDA	420	1	400	420	1	400		NA			NA					
LNAV MDA	440	1	420	440	1	420		NA			NA					
CIRCLING	480	1	460	620	1	600		NA			NA					
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: VDP NA WHEN USING NEWPORT NEWS ALTIMETER SETTING. CHART NOTE: RWY 28 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEWPORT NEWS ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.																
CITY AND STATE WEST POINT, VA		ELEVATION: 20 TDZE: 20 AIRPORT NAME: MIDDLE PENINSULA RGNL			FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, ORIG-D 15 SEPTEMBER 2016					SUP: AMDT: DATED 06/25/2015				

**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	KFYJ
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	373118.5135N
LTP/FTP LONGITUDE	0764514.9245W
LTP/FTP ELLIPSOIDAL HEIGHT	-00286
FPAP LATITUDE	373112.5110N
FPAP LONGITUDE	0764706.6685W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.50
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

B6FD5E4C

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00062
FPAP ORTHOMETRIC HEIGHT	+00062

CITY AND STATE

WEST POINT, VA

ELEVATION: 20

TDZE: 20

AIRPORT NAME:

MIDDLE PENINSULA RGNL

FACILITY
IDENTIFIER:

RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 28, ORIG-D

15 SEPTEMBER 2016

SUP:

4

AMDT:

ORIG-C

DATED:

06/25/2015

QUALITY
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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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																																																																																																																																																																																																																																		
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ICACO	N373022.25	W0770221.47																																																																																																																																																																																																																																														
JUGPI	N373139.24	W0763844.77																																																																																																																																																																																																																																														
YINDU	N373125.75	W0764259.47																																																																																																																																																																																																																																														
ZINAV	N373206.65	W0762958.21																																																																																																																																																																																																																																														
RUNWAY	THRESHOLD LATITUDE	THRESHOLD LONGITUDE	THRESHOLD ELEVATION	PROCEDURE TCH																																																																																																																																																																																																																																												
RW28	N373118.51	W0764514.92	00020	53																																																																																																																																																																																																																																												
CITY AND STATE WEST POINT, VA		ELEVATION: 20 TDZE: 20 AIRPORT NAME: MIDDLE PENINSULA RGNL		FACILITY IDENTIFIER: RNAV		PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE: RNAV (GPS) RWY 28, ORIG D 15 SEPTEMBER 2016			SUP: AMDT: ORIG-C DATED: 06/25/2015																																																																																																																																																																																																																																							



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: 4.83 NM AFTER HCM VORTAC						
										CLIMBING RIGHT TURN TO 1700 DIRECT HCM VORTAC AND HOLD.						
										ADDITIONAL FLIGHT DATA: CHART FAS OBST: 179 TREE 373055N/0764553W FAC CROSSES MID POINT OF RWY 10-28. CHART CIRCLING ICON.						
1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)																
2. HOLD SE HCM VORTAC, RT, 335.00 INBOUND, 1700 FT. IN LIEU OF PT (IAF)																
3. FAC 337.12 FAF HCM VORTAC DIST FAF TO MAP 4.83 THLD																
4. MIN. ALT HCM VORTAC 1400																
8. MSA FROM: HCM VORTAC 1700										MAG VAR: 7W					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
CIRCLING		480	1	460	620	1	600		NA			NA				
NOTES:																
CHART PLANVIEW NOTE: NOPT FOR ARRIVAL AT HCM VORTAC ON V38 WESTBOUND.																
@ NA WHEN LOCAL WEATHER NOT AVAILABLE.																
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE NEWPORT NEWS ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET.																
CITY AND STATE WEST POINT, VA		ELEVATION: 20 AIRPORT NAME: MIDDLE PENINSULA RGNL		TDZE:		FACILITY IDENTIFIER: HCM		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: VOR-A, AMDT 4A 15 SEPTEMBER 2016				SUP AMDT DATE			4 4 06/05/2008	

[4910-13]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 97

[Docket No. [31092](#); Amdt. No. [3710](#)]

**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 **AUGUST 12, 2016.**

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
15-Sep-16	NE	Omaha	Eppley Airfield	6/0889	8/1/16	RNAV (RNP) Z RWY 14R, Orig-A
15-Sep-16	OK	Oklahoma City	Sundance	6/1625	8/2/16	VOR RWY 17, Amdt 1D
15-Sep-16	OK	Oklahoma City	Sundance	6/1626	8/2/16	RNAV (GPS) RWY 17, Amdt 1B
15-Sep-16	OK	Oklahoma City	Sundance	6/1627	8/2/16	RNAV (GPS) RWY 35, Amdt 1A
15-Sep-16	MN	Madison	Lac Qui Parle County	6/2206	8/3/16	NDB RWY 32, Amdt 4A
15-Sep-16	MN	Madison	Lac Qui Parle County	6/2207	8/3/16	RNAV (GPS) RWY 14, Orig-A
15-Sep-16	MN	Madison	Lac Qui Parle County	6/2208	8/3/16	RNAV (GPS) RWY 32, Orig-A
15-Sep-16	AR	Hope	Hope Muni	6/2725	7/1/16	RNAV (GPS) RWY 16, Orig
15-Sep-16	IA	Storm Lake	Storm Lake Muni	6/2927	8/3/16	RNAV (GPS) RWY 17, Orig-A
15-Sep-16	IA	Storm Lake	Storm Lake Muni	6/2930	8/3/16	RNAV (GPS) RWY 35, Amdt 1
15-Sep-16	TX	Canadian	Hemphill County	6/2978	8/3/16	RNAV (GPS) RWY 22, Amdt 2
15-Sep-16	IA	Boone	Boone Muni	6/3301	8/2/16	RNAV (GPS) RWY 15, Amdt 1A
15-Sep-16	NE	Hebron	Hebron Muni	6/3425	8/2/16	GPS RWY 12, Orig-C
15-Sep-16	NE	Hebron	Hebron Muni	6/3426	8/2/16	GPS RWY 30, Orig-B
15-Sep-16	NE	Hebron	Hebron Muni	6/3432	8/2/16	NDB RWY 12, Amdt 4B
15-Sep-16	PA	Titusville	Titusville	6/3571	8/3/16	RNAV (GPS) RWY 1, Orig
15-Sep-16	VT	Springfield	Hartness State (Springfield)	6/3594	8/3/16	LOC/DME RWY 5, Amdt 4
15-Sep-16	VT	Springfield	Hartness State (Springfield)	6/3598	8/3/16	RNAV (GPS) RWY 5, Orig-A
15-Sep-16	NY	Westhampton Beach	Francis S Gabreski	6/3600	8/3/16	RNAV (GPS) RWY 6, Amdt 2A
15-Sep-16	NY	Westhampton Beach	Francis S Gabreski	6/3601	8/3/16	RNAV (GPS) RWY 24, Amdt 2A
15-Sep-16	NY	Westhampton Beach	Francis S Gabreski	6/3603	8/3/16	TACAN RWY 24, Orig-A
15-Sep-16	NY	Westhampton Beach	Francis S Gabreski	6/3604	8/3/16	TACAN RWY 6, Orig-A
15-Sep-16	NY	Westhampton Beach	Francis S Gabreski	6/3606	8/3/16	ILS OR LOC RWY 24, Amdt 10A
15-Sep-16	MO	Fredericktown	A Paul Vance Fredericktown Rgnl	6/3682	8/2/16	RNAV (GPS) RWY 19, Amdt 1A
15-Sep-16	MO	Fredericktown	A Paul Vance Fredericktown Rgnl	6/3683	8/2/16	VOR RWY 19, Amdt 1A

15-Sep-16	WI	Hayward	Sawyer County	6/3704	8/2/16	RNAV (GPS) RWY 21, Amdt 1A
15-Sep-16	WI	Hayward	Sawyer County	6/3705	8/2/16	RNAV (GPS) RWY 3, Orig-C
15-Sep-16	IN	Peru	Peru Muni	6/3718	8/2/16	VOR RWY 1, Amdt 8A
15-Sep-16	WI	Phillips	Price County	6/3722	8/2/16	RNAV (GPS) RWY 6, Orig-A
15-Sep-16	WI	Phillips	Price County	6/3723	8/2/16	RNAV (GPS) RWY 24, Orig-A
15-Sep-16	MI	Lapeer	Dupont-Lapeer	6/3732	8/2/16	VOR-A, Orig
15-Sep-16	TX	Stephenville	Stephenville Clark Rgnl	6/3739	8/2/16	VOR/DME-A, Amdt 1
15-Sep-16	TX	Stephenville	Stephenville Clark Rgnl	6/3741	8/2/16	RNAV (GPS) RWY 14, Orig
15-Sep-16	TX	Stephenville	Stephenville Clark Rgnl	6/3742	8/2/16	RNAV (GPS) RWY 32, Orig
15-Sep-16	MN	Thief River Falls	Thief River Falls Rgnl	6/3882	8/3/16	VOR/DME RWY 13, Amdt 2B
15-Sep-16	MN	Thief River Falls	Thief River Falls Rgnl	6/3883	8/3/16	VOR RWY 13, Amdt 9
15-Sep-16	MN	Thief River Falls	Thief River Falls Rgnl	6/3884	8/3/16	VOR RWY 31, Amdt 8B
15-Sep-16	NY	Newburgh	Stewart Intl	6/4134	8/9/16	RNAV (GPS) RWY 27, Amdt 1B
15-Sep-16	NY	Newburgh	Stewart Intl	6/4135	8/9/16	RNAV (GPS) RWY 34, Amdt 1B
15-Sep-16	NY	Newburgh	Stewart Intl	6/4136	8/9/16	ILS OR LOC RWY 27, Amdt 1B
15-Sep-16	NY	Newburgh	Stewart Intl	6/4137	8/9/16	ILS OR LOC RWY 9, ILS RWY 9 (SA CAT I), ILS RWY 9 (CAT II & III), Amdt 13B
15-Sep-16	NY	Newburgh	Stewart Intl	6/4138	8/9/16	RNAV (GPS) RWY 9, Amdt 1B
15-Sep-16	NY	Newburgh	Stewart Intl	6/4139	8/9/16	RNAV (GPS) RWY 16, Amdt 1A
15-Sep-16	NY	Newburgh	Stewart Intl	6/4140	8/9/16	VOR RWY 27, Amdt 5A
15-Sep-16	NY	Newburgh	Stewart Intl	6/4142	8/9/16	Takeoff Minimums and Obstacle DP, Amdt 6
15-Sep-16	TX	Corpus Christi	Corpus Christi Intl	6/4158	8/1/16	VOR OR TACAN RWY 18, Amdt 28A
15-Sep-16	TN	Livingston	Livingston Muni	6/5091	8/3/16	RNAV (GPS) RWY 21, Amdt 1
15-Sep-16	TN	Livingston	Livingston Muni	6/5092	8/3/16	VOR/DME RWY 21, Amdt 5A
15-Sep-16	TN	Livingston	Livingston Muni	6/5094	8/3/16	RNAV (GPS) RWY 3, Amdt 1A
15-Sep-16	TN	Knoxville	Knoxville Downtown Island	6/5095	8/3/16	RNAV (GPS) RWY 26, Orig-B
15-Sep-16	WI	Cable	Cable Union	6/5152	8/1/16	RNAV (GPS) RWY 35, Orig
15-Sep-16	MI	Muskegon	Muskegon County	6/5170	8/1/16	RNAV (GPS) RWY 32, Amdt 2

15-Sep-16	SD	Winner	Winner Rgnl	6/5299	8/2/16	RNAV (GPS) RWY 13, Orig-A
15-Sep-16	SD	Winner	Winner Rgnl	6/5300	8/2/16	VOR-A, Amdt 7A
15-Sep-16	KS	Benton	Lloyd Stearman Field	6/5324	8/1/16	RNAV (GPS) RWY 17, Orig
15-Sep-16	WI	Stevens Point	Stevens Point Muni	6/5437	8/3/16	RNAV (GPS) RWY 30, Orig
15-Sep-16	WI	Stevens Point	Stevens Point Muni	6/5438	8/3/16	RNAV (GPS) RWY 12, Orig
15-Sep-16	OH	Coshocton	Richard Downing	6/5702	8/3/16	Takeoff Minimums and Obstacle DP, Amdt 1
15-Sep-16	OK	Oklahoma City	Will Rogers World	6/6047	8/1/16	ILS OR LOC RWY 17R, Amdt 12A
15-Sep-16	OK	Oklahoma City	Will Rogers World	6/6049	8/1/16	ILS OR LOC/DME RWY 35L, Amdt 2A
15-Sep-16	OK	Oklahoma City	Will Rogers World	6/6051	8/1/16	ILS OR LOC RWY 17L, Amdt 3A
15-Sep-16	OK	Oklahoma City	Will Rogers World	6/6054	8/1/16	ILS OR LOC/DME RWY 35R, ILS RWY 35R (CAT II), ILS RWY 35R (SA CAT I), Amdt 10A
15-Sep-16	OK	Oklahoma City	Will Rogers World	6/6055	8/1/16	RNAV (RNP) Z RWY 17L, Amdt 3A
15-Sep-16	OK	Oklahoma City	Will Rogers World	6/6056	8/1/16	RNAV (RNP) Z RWY 17R, Amdt 1A
15-Sep-16	OK	Oklahoma City	Will Rogers World	6/6057	8/1/16	RNAV (RNP) Z RWY 35L, Amdt 1A
15-Sep-16	OK	Oklahoma City	Will Rogers World	6/6058	8/1/16	RNAV (RNP) Z RWY 35R, Amdt 2A
15-Sep-16	OK	Oklahoma City	Will Rogers World	6/6060	8/1/16	RNAV (GPS) Y RWY 17R, Amdt 4A
15-Sep-16	OK	Oklahoma City	Will Rogers World	6/6061	8/1/16	RNAV (GPS) Y RWY 35L, Amdt 4
15-Sep-16	OK	Oklahoma City	Will Rogers World	6/6063	8/1/16	RNAV (GPS) Y RWY 35R, Amdt 3A
15-Sep-16	OK	Oklahoma City	Will Rogers World	6/6065	8/1/16	RNAV (GPS) RWY 13, Amdt 3A
15-Sep-16	MI	Pellston	Pellston Rgnl Airport Of Emmet County	6/6120	7/1/16	RNAV (GPS) RWY 5, Orig-A
15-Sep-16	MI	Pellston	Pellston Rgnl Airport Of Emmet County	6/6124	7/1/16	VOR RWY 23, Amdt 16A
15-Sep-16	MI	Pellston	Pellston Rgnl Airport Of Emmet County	6/6125	7/1/16	ILS OR LOC RWY 32, Amdt 11B
15-Sep-16	IN	New Castle	New Castle-Henry Co Muni	6/6134	8/3/16	NDB OR GPS RWY 9, Amdt 5B
15-Sep-16	MO	Cuba	Cuba Muni	6/7516	8/2/16	RNAV (GPS) RWY 36, Orig-B
15-Sep-16	MO	Cuba	Cuba Muni	6/7517	8/2/16	RNAV (GPS) RWY 18, Orig-A
15-Sep-16	TX	Georgetown	Georgetown Muni	6/7534	8/2/16	RNAV (GPS) RWY 11, Orig

15-Sep-16	TX	Georgetown	Georgetown Muni	6/7535	8/2/16	RNAV (GPS) RWY 29, Orig
15-Sep-16	MI	Midland	Jack Barstow	6/7673	7/1/16	RNAV (GPS) RWY 24, Amdt 1
15-Sep-16	WA	Spokane	Felts Field	6/9348	8/3/16	RNAV (GPS)-A, Amdt 1
15-Sep-16	WA	Spokane	Felts Field	6/9349	8/3/16	RNAV (GPS) RWY 4L, Amdt 1B
15-Sep-16	CA	Van Nuys	Van Nuys	6/9350	8/1/16	VOR-A, Amdt 4B
15-Sep-16	CA	Bishop	Bishop	6/9356	8/3/16	Takeoff Minimums and Obstacle DP, Amdt 3A
15-Sep-16	CA	San Diego	Montgomery Field	6/9364	8/1/16	ILS OR LOC RWY 28R, Amdt 4A
15-Sep-16	CA	San Diego	Montgomery Field	6/9365	8/1/16	RNAV (GPS) RWY 28R, Amdt 1A
15-Sep-16	PR	Aguadilla	Rafael Hernandez	6/9687	8/3/16	VOR/DME OR TACAN RWY 26, Orig-B

AIRAC Date: 15 SEPTEMBER 2016

FDC 6/0889 OMA IAP EPPLEY AIRFIELD, OMAHA, NE. RNAV (RNP) Z RWY 14R, ORIG-A... RNP 0.30 DA 1468/HAT 483, RVR 6000 ALL CATS. DELETE NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.11 ALL CATS VISIBILITY TO 1 1/8 AND RNP 0.30 ALL CATS VISIBILITY TO 1 1/4. THIS IS RNAV (RNP) Z RWY 14R, ORIG-B. 1607221912-PERM

FDC 6/1625 HSD IAP SUNDANCE, OKLAHOMA CITY, OK. VOR RWY 17, AMDT 1D... TERMINAL ROUTE IFI VORTAC TO PULTZ INT MINIMUM ALT 3100. TERMINAL ROUTE IRW VORTAC TO PULTZ INT MINIMUM ALT 3100. PROCEDURE TURN COMPLETION ALT 3100. DELETE NOTE: USE WILEY POST ALTIMETER SETTING. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {3.00} TCH {30}). CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHANGE AIRPORT NAME FROM SUNDANCE AIRPARK TO SUNDANCE. ALTERNATE MINIMUMS: STANDARD. THIS IS VOR RWY 17, AMDT 1E. 1607251720-PERM

FDC 6/1626 HSD IAP SUNDANCE, OKLAHOMA CITY, OK. RNAV (GPS) RWY 17, AMDT 1B... CHANGE AIRPORT NAME FROM SUNDANCE AIRPARK TO SUNDANCE. DELETE NOTE: BARO-VNAV NA WHEN USING WILL ROGERS WORLD ALTIMETER SETTING. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: USE WILEY POST ALTIMETER SETTING; WHEN NOT RECEIVED, USE WILL ROGERS WORLD ALTIMETER SETTING AND INCREASE ALL DA 46 FEET AND ALL MDA 60 FEET; INCREASE VISIBILITY LNAV/VNAV 1/8 MILE, LNAV CAT C 1/4 MILE AND CIRCLING CAT C 1/4 MILE. CHART NOTE: CIRCLING RWY 35 NA AT NIGHT. ALTERNATE MINIMUMS: STANDARD. THIS IS RNAV (GPS) RWY 17, AMDT 1C. 1607251720-PERM

FDC 6/1627 HSD IAP SUNDANCE, OKLAHOMA CITY, OK. RNAV (GPS) RWY 35, AMDT 1A... CHANGE AIRPORT NAME FROM SUNDANCE AIRPARK TO SUNDANCE. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: RWY 35 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: USE WILEY POST ALTIMETER SETTING; WHEN NOT RECEIVED, USE WILL ROGERS WORLD ALTIMETER SETTING AND INCREASE ALL DA 46 FEET AND ALL MDA 60 FEET; INCREASE VISIBILITY LPV ALL CATS 1/8 MILE, LNAV/VNAV ALL CATS 1/4 MILE, LNAV CAT C 1/8 MILE AND CIRCLING CAT C 1/4 MILE. DELETE NOTE: BARO-VNAV NA WHEN USING WILL ROGERS WORLD ALTIMETER SETTING. ALTERNATE MINIMUMS: STANDARD. THIS IS RNAV (GPS) RWY 35, AMDT 1B. 1607251720-PERM

FDC 6/2206 DXX IAP LAC QUI PARLE COUNTY, MADISON, MN. NDB RWY 32, AMDT 4A... CHART NOTE: CIRCLING NA TO RWYS 9 AND 27. THIS IS NDB RWY 32, AMDT 4B. 1607261535-PERM

FDC 6/2207 DXX IAP LAC QUI PARLE COUNTY, MADISON, MN. RNAV (GPS) RWY 14, ORIG-A... CHART NOTE: CIRCLING NA TO RWYS 9 AND 27. THIS IS RNAV (GPS) RWY 14, ORIG-B. 1607261535-PERM

FDC 6/2208 DXX IAP LAC QUI PARLE COUNTY, MADISON, MN. RNAV (GPS) RWY 32, ORIG-A... CHART NOTE: CIRCLING NA TO RWYS 9 AND 27. THIS IS RNAV (GPS) RWY 32, ORIG-B. 1607261535-PERM

FDC 6/2725 M18 IAP HOPE MUNI, HOPE, AR. RNAV (GPS) RWY 16, ORIG... CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE: DESCENT ANGLE 3.00/TCH 42. CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES. DELETE NOTE: GPS OR RNP-0.3 REQUIRED. 34:1 IS NOT CLEAR. THIS IS RNAV (GPS) RWY 16, ORIG-A. 1606161727-PERM

FDC 6/2927 SLB IAP STORM LAKE MUNI, STORM LAKE, IA. RNAV (GPS) RWY 17, ORIG-A... CHART NOTE: CIRCLING RWY 6, 24, 13, 31 NA AT NIGHT. CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT CISAC ON V219 NORTHEAST BOUND AND FOR ARRIVALS AT NELIC ON V462 SOUTHEAST BOUND. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPENCER MUNI ALTIMETER SETTING AND INCREASE ALL MDA 100 FEET. THIS IS RNAV (GPS) RWY 17, ORIG-B. 1607081711-PERM

FDC 6/2930 SLB IAP STORM LAKE MUNI, STORM LAKE, IA. RNAV (GPS) RWY 35, AMDT 1... CHART NOTE: CIRCLING RWY 6, 24, 13, 31 NA AT NIGHT. CHANGE ALTIMETER SETTING NOTE TO READ: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE SPENCER MUNI ALTIMETER SETTING AND INCREASE ALL DA/MDA 100 FEET. THIS IS RNAV (GPS) RWY 35, AMDT 1A. 1607081711-PERM

FDC 6/2978 HHF IAP HEMPHILL COUNTY, CANADIAN, TX. RNAV (GPS) RWY 22, AMDT 2... DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT. THIS IS RNAV (GPS) RWY 22, AMDT 2A. 1607082025-PERM

FDC 6/3301 BNW IAP BOONE MUNI, BOONE, IA. RNAV (GPS) RWY 15, AMDT 1A... CHART NOTE: CIRCLING NA TO RWYS 2 AND 20. THIS IS RNAV (GPS) RWY 15, AMDT 1B. 1607111200-PERM

FDC 6/3425 HJH IAP HEBRON MUNI, HEBRON, NE. GPS RWY 12, ORIG-C...
DELETE NOTE: NIGHT LANDING: RWY 3, 12 NA. CHART NOTE: RWY 12
HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART
NOTE: STRAIGHT-IN RWY 12 NA AT NIGHT, CIRCLING RWY 12 NA AT NIGHT.
CHART NOTE: CIRCLING RWY 3, 21 NA. THIS IS GPS RWY 12, ORIG-D.
1607111314-PERM

FDC 6/3426 HJH IAP HEBRON MUNI, HEBRON, NE. GPS RWY 30, ORIG-B...
DELETE NOTE: NIGHT LANDING: RWY 3, 12 NA. CHART NOTE: CIRCLING RWY
12 NA AT NIGHT. CHART NOTE: CIRCLING RWY 3, 21 NA. THIS IS GPS RWY 30,
ORIG-C. 1607111314-PERM

FDC 6/3432 HJH IAP HEBRON MUNI, HEBRON, NE. NDB RWY 12, AMDT 4B...
DELETE NOTE: NIGHT LANDING: RWY 3, 12 NA. CHART NOTE: RWY 12
HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART
NOTE: STRAIGHT-IN RWY 12 NA AT NIGHT, CIRCLING RWY 12 NA AT NIGHT.
CHART NOTE: CIRCLING RWY 3, 21 NA. THIS IS NDB RWY 12, AMDT 4C.
1607111314-PERM

FDC 6/3571 6G1 IAP TITUSVILLE, TITUSVILLE, PA. RNAV (GPS) RWY 1, ORIG ...
CHANGE ALL REFERENCE TO CAXUX/3.06 NM TO RWY 01 TO READ:
CAXUX/2.00 NM TO RWY 01. THIS IS RNAV (GPS) RWY 1, ORIG-A. 1607111704-
PERM

FDC 6/3594 VSF IAP HARTNESS STATE (SPRINGFIELD), SPRINGFIELD, VT.
LOC/DME RWY 5, AMDT 4... CHART NOTE: HELICOPTER VISIBILITY
REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: CIRCLING TO
RWY 11, 23, 29 NA AT NIGHT. THIS IS LOC/DME RWY 5, AMDT 4A. 1607111729-
PERM

FDC 6/3598 VSF IAP HARTNESS STATE (SPRINGFIELD), SPRINGFIELD, VT.
RNAV (GPS) RWY 5, ORIG-A... CHART NOTE: HELICOPTER VISIBILITY
REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: CIRCLING TO
RWY 11, 23, 29 NA AT NIGHT. 34:1 IS NOT CLEAR. THIS IS RNAV (GPS) RWY 5,
ORIG-B. 1607111731-PERM

FDC 6/3600 FOK IAP FRANCIS S GABRESKI, WESTHAMPTON BEACH, NY. RNAV
(GPS) RWY 6, AMDT 2A... CHART NOTE: CIRCLING RWY 15 NA AT NIGHT. THIS
IS RNAV (GPS) RWY 6, AMDT 2B. 1607111735-PERM

FDC 6/3601 FOK IAP FRANCIS S GABRESKI, WESTHAMPTON BEACH, NY. RNAV
(GPS) RWY 24, AMDT 2A... CHART NOTE: CIRCLING RWY 15 NA AT NIGHT. THIS
IS RNAV (GPS) RWY 24, AMDT 2B. 1607111738-PERM

FDC 6/3603 FOK IAP FRANCIS S GABRESKI, WESTHAMPTON BEACH, NY.
TACAN RWY 24, ORIG-A... CHART NOTE: CIRCLING RWY 15 NA AT NIGHT. THIS
IS TACAN RWY 24, ORIG-B. 1607111740-PERM

FDC 6/3604 FOK IAP FRANCIS S GABRESKI, WESTHAMPTON BEACH, NY.
TACAN RWY 6, ORIG-A... CHART NOTE: CIRCLING RWY 15 NA AT NIGHT. THIS
IS TACAN RWY 6, ORIG-B. 1607111742-PERM

FDC 6/3606 FOK IAP FRANCIS S GABRESKI, WESTHAMPTON BEACH, NY. ILS
OR LOC RWY 24, AMDT 10A... CHART NOTE: CIRCLING RWY 15 NA AT NIGHT.
THIS IS ILS OR LOC RWY 24, AMDT 10B. 1607111743-PERM

FDC 6/3682 H88 IAP A PAUL VANCE FREDERICKTOWN RGNL,
FREDERICKTOWN, MO. RNAV (GPS) RWY 19, AMDT 1A... DELETE NOTE:
HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. CHART NOTE: RWY 19
HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS
IS RNAV (GPS) RWY 19, AMDT 1B. 1607111942-PERM

FDC 6/3683 H88 IAP A PAUL VANCE FREDERICKTOWN RGNL,
FREDERICKTOWN, MO. VOR RWY 19, AMDT 1A... CHART NOTE: RWY 19
HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS
IS VOR RWY 19, AMDT 1B. 1607111942-PERM

FDC 6/3704 HYR IAP SAWYER COUNTY, HAYWARD, WI. RNAV (GPS) RWY 21,
AMDT 1A... CHART NOTE: CIRCLING NA TO RWYS 16 AND 34. THIS IS RNAV
(GPS) RWY 21, AMDT 1B. 1607112017-PERM

FDC 6/3705 HYR IAP SAWYER COUNTY, HAYWARD, WI. RNAV (GPS) RWY 3,
ORIG-C ... CHART NOTE: CIRCLING NA TO RWYS 16 AND 34. THIS IS RNAV
(GPS) RWY 3, ORIG-D. 1607112017-PERM

FDC 6/3718 I76 IAP PERU MUNI, PERU, IN. VOR RWY 1, AMDT 8A... DELETE
NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: STRAIGHT-IN RWY 1 NA AT
NIGHT, CIRCLING RWY 1 NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY
REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: USE GRISSOM
ARB ALTIMETER SETTING; WHEN NOT RECEIVED, USE LOGANSPORT
ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET. CHART NOTE: USE
GRISSOM ARB ALTIMETER SETTING; WHEN NOT RECEIVED, USE
LOGANSPORT ALTIMETER SETTING AND INCREASE ALL MDA 40 FEET, AND
VISIBILITY CATS C AND D 1/8 SM. THIS IS VOR RWY 1, AMDT 8B. 1607112041-
PERM

FDC 6/3722 PBH IAP PRICE COUNTY, PHILLIPS, WI. RNAV (GPS) RWY 6, ORIG-A... DELETE NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: STRAIGHT-IN RWY 6 NA AT NIGHT, CIRCLING RWY 6, 24 NA AT NIGHT. THIS IS RNAV (GPS) RWY 6, ORIG-B. 1607112043-PERM

FDC 6/3723 PBH IAP PRICE COUNTY, PHILLIPS, WI. RNAV (GPS) RWY 24, ORIG-A... DELETE NOTE: PROCEDURE NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: STRAIGHT-IN RWY 24 NA AT NIGHT, CIRCLING RWY 6, 24 NA AT NIGHT. THIS IS RNAV (GPS) RWY 24, ORIG-B. 1607112043-PERM

FDC 6/3732 D95 IAP DUPONT-LAPEER, LAPEER, MI. VOR-A, ORIG... CHART NOTE: CIRCLING NA TO RWYS 9 AND 27. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS VOR-A, ORIG-A. 1607112051-PERM

FDC 6/3739 SEP IAP STEPHENVILLE CLARK RGNL, STEPHENVILLE, TX. VOR/DME-A, AMDT 1... CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 32 NA AT NIGHT. THIS IS VOR/DME-A, AMDT 1A. 1607112054-PERM

FDC 6/3741 SEP IAP STEPHENVILLE CLARK RGNL, STEPHENVILLE, TX. RNAV (GPS) RWY 14, ORIG... CHART NOTE: CIRCLING RWY 32 NA AT NIGHT. THIS IS RNAV (GPS) RWY 14, ORIG-A. 1607112054-PERM

FDC 6/3742 SEP IAP STEPHENVILLE CLARK RGNL, STEPHENVILLE, TX. RNAV (GPS) RWY 32, ORIG... CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. 34:1 IS NOT CLEAR. DELETE: VDP. CHART NOTE: STRAIGHT-IN RWY 32 NA AT NIGHT, CIRCLING RWY 32 NA AT NIGHT. THIS IS RNAV (GPS) RWY 32, ORIG-A. 1607112054-PERM

FDC 6/3882 TVF IAP THIEF RIVER FALLS RGNL, THIEF RIVER FALLS, MN. VOR/DME RWY 13, AMDT 2B... DELETE NOTE: CIRCLING TO RWY 3/21 NA. CHART NOTE: CIRCLING RWY 4, 22 NA AT NIGHT. THIS IS VOR/DME RWY 13, AMDT 2C. 1607121237-PERM

FDC 6/3883 TVF IAP THIEF RIVER FALLS RGNL, THIEF RIVER FALLS, MN. VOR RWY 13, AMDT 9... DELETE NOTE: CIRCLING TO RWY 3/21 NA. CHART NOTE: CIRCLING RWY 4, 22 NA AT NIGHT. THIS IS VOR RWY 13, AMDT 9A. 1607121237-PERM

FDC 6/3884 TVF IAP THIEF RIVER FALLS RGNL, THIEF RIVER FALLS, MN. VOR RWY 31, AMDT 8B... DELETE NOTE: CIRCLING TO RWY 3/21 NA. CHART NOTE: CIRCLING RWY 4, 22 NA AT NIGHT. THIS IS VOR RWY 31, AMDT 8C. 1607121237-PERM

FDC 6/4134 SWF IAP STEWART INTL, NEWBURGH, NY. RNAV (GPS) RWY 27, AMDT 1B... CHANGE ALL REFERENCE TO NEWBURGH, NEW YORK TO NEW YORK, NEW YORK.. THIS IS RNAV (GPS) RWY 27, AMDT 1C. 1607281344-PERM

FDC 6/4135 SWF IAP STEWART INTL, NEWBURGH, NY. RNAV (GPS) RWY 34, AMDT 1B... CHANGE ALL REFERENCE TO NEWBURGH, NEW YORK TO NEW YORK, NEW YORK. THIS IS RNAV (GPS) RWY 34, AMDT 1C. 1607281344-PERM

FDC 6/4136 SWF IAP STEWART INTL, NEWBURGH, NY. ILS OR LOC RWY 27, AMDT 1B... CHANGE ALL REFERENCE TO NEWBURGH, NEW YORK TO NEW YORK, NEW YORK. THIS IS ILS OR LOC RWY 27, AMDT 1C. 1607281344-PERM

FDC 6/4137 SWF IAP STEWART INTL, NEWBURGH, NY. ILS OR LOC RWY 9, AMDT 13B ... ILS RWY 9 (SA CAT I), AMDT 13B ... ILS RWY 9 (CAT II & III), AMDT 13B ... CHANGE ALL REFERENCE TO NEWBURGH, NEW YORK TO NEW YORK, NEW YORK THIS IS ILS OR LOC RWY 9, AMDT 13C, ILS RWY 9 (SA CAT I) AMDT 13C, ILS RWY 9 (CAT II & III), AMDT 13C. 1607281344-PERM

FDC 6/4138 SWF IAP STEWART INTL, NEWBURGH, NY. RNAV (GPS) RWY 9, AMDT 1B... CHANGE ALL REFERENCE TO NEWBURGH, NEW YORK TO NEW YORK, NEW YORK. THIS IS RNAV (GPS) RWY 9, AMDT 1C. 1607281344-PERM

FDC 6/4139 SWF IAP STEWART INTL, NEWBURGH, NY. RNAV (GPS) RWY 16, AMDT 1A... CHANGE ALL REFERENCE TO NEWBURGH, NEW YORK TO NEW YORK, NEW YORK. THIS IS RNAV (GPS) RWY 16, AMDT 1B. 1607281344-PERM

FDC 6/4140 SWF IAP STEWART INTL, NEWBURGH, NY. VOR RWY 27, AMDT 5A... CHANGE ALL REFERENCE TO NEWBURGH, NEW YORK TO NEW YORK, NEW YORK. THIS IS VOR RWY 27, AMDT 5B. 1607281344-PERM

FDC 6/4142 SWF ODP STEWART INTL, NEWBURGH, NY. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 6... CHANGE ALL REFERENCE TO NEWBURGH, NEW YORK TO NEW YORK, NEW YORK. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 6A. 1607281344-PERM

FDC 6/4158 CRP IAP CORPUS CHRISTI INTL, CORPUS CHRISTI, TX. VOR OR TACAN RWY 18, AMDT 28A... DELETE NOTE: NOPT FOR ARRIVAL ON CRP VORTAC AIRWAY RADIAL 030. THIS IS VOR OR TACAN RWY 18, AMDT 28B. 1605131950-PERM

FDC 6/5091 8A3 IAP LIVINGSTON MUNI, LIVINGSTON, TN. RNAV (GPS) RWY 21, AMDT 1... DELETE THRE 1370, CHART TDZE 1372. LP HAT 308 ALL CATS, LNAV HAT 388 ALL CATS. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: CIRCLING RWY 3 NA AT NIGHT. THIS IS RNAV (GPS) RWY 21, AMDT 1A. 1607131820-PERM

FDC 6/5092 8A3 IAP LIVINGSTON MUNI, LIVINGSTON, TN. VOR/DME RWY 21, AMDT 5A... DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NA. DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: CIRCLING RWY 3 NA AT NIGHT. THIS IS VOR/DME RWY 21, AMDT 5B. 1607131820-PERM

FDC 6/5094 8A3 IAP LIVINGSTON MUNI, LIVINGSTON, TN. RNAV (GPS) RWY 3, AMDT 1A... DELETE THRE 1366, CHART TDZE 1370. LP HAT 330 ALL CATS. LNAV HAT 470 ALL CATS. DELETE NOTE: PROCEDURE NA AT NIGHT. CHART NOTE: STRAIGHT-IN MINIMUMS NA AT NIGHT, CIRCLING RWY 3 NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. CHART NOTE: RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. THIS IS RNAV (GPS) RWY 3, AMDT 1B. 1607131823-PERM

FDC 6/5095 DKX IAP KNOXVILLE DOWNTOWN ISLAND, KNOXVILLE, TN. RNAV (GPS) RWY 26, ORIG-B... DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 26, ORIG-C. 1607131826-PERM

FDC 6/5152 3CU IAP CABLE UNION, CABLE, WI. RNAV (GPS) RWY 35, ORIG... CHART NOTE: CIRCLING NA TO RWY 8, 26. THIS IS RNAV (GPS) RWY 35, ORIG-A. 1607131841-PERM

FDC 6/5170 MKG IAP MUSKEGON COUNTY, MUSKEGON, MI. RNAV (GPS) RWY 32, AMDT 2... CHART TDZE 629. DELETE THRE 629. THIS IS RNAV (GPS) RWY 32, AMDT 2A. 1607131917-PERM

FDC 6/5299 ICR IAP WINNER RGNL, WINNER, SD. RNAV (GPS) RWY 13, ORIG-A... CHART NOTE: CIRCLING NA TO RWYS 3 AND 21. CHART NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT(VGSI ANGLE 3.00/TCH 38). THIS IS RNAV (GPS) RWY 13, ORIG-B. 1607132022-PERM

FDC 6/5300 ICR IAP WINNER RGNL, WINNER, SD. VOR-A, AMDT 7A... CHART NOTE: CIRCLING NA TO RWY 3 AND 21. THIS IS VOR-A, AMDT 7B. 1607132022-PERM

FDC 6/5324 1K1 IAP LLOYD STEARMAN FIELD, BENTON, KS. RNAV (GPS) RWY 17, ORIG... CHART FAS OBST: 1512 TANK 374721N/0970626W. DELETE NOTE: USE WICHITA DWIGHT D EISENHOWER NATIONAL ALTIMETER SETTING. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED USE WICHITA DWIGHT D EISENHOWER NATIONAL ALTIMETER SETTING. CHART NOTE: STRAIGHT-IN RWY 17 NA AT NIGHT, CIRCLING RWY 17 NA AT NIGHT. LNAV MDA 1820/HAT 456 ALL CATS, VISIBILITY CAT C 1 3/8. CHART NOTE: RWY 17 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. 34:1 IS NOT CLEAR. THIS IS RNAV (GPS) RWY 17, ORIG-A. 1607132039-PERM

FDC 6/5437 STE IAP STEVENS POINT MUNI, STEVENS POINT, WI. RNAV (GPS) RWY 30, ORIG... DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: RWY 30 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. VDP 1.16 NM TO RW30. CHART NOTE: VDP NA WHEN USING MOSINEE ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 30, ORIG-A. 1606031810-PERM

FDC 6/5438 STE IAP STEVENS POINT MUNI, STEVENS POINT, WI. RNAV (GPS) RWY 12, ORIG... DELETE NOTE: PROCEDURE NA AT NIGHT. CHANGE HELICOPTER VISIBILITY REDUCTION NOTE TO READ: RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. VDP 1.89 NM TO RW12. CHART NOTE: VDP NA WHEN USING MOSINEE ALTIMETER SETTING. THIS IS RNAV (GPS) RWY 12, ORIG-A. 1606031810-PERM

FDC 6/5702 I40 ODP RICHARD DOWNING, COSHOCTON, OH. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 1... TAKEOFF OBSTACLE NOTES: NOTE: RWY 4, TREE 87 FT FROM DER, 402 FT LEFT OF CENTERLINE, 981 FT MSL. TREES BEGINNING 88 FT FROM DER, 460 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/1040 FT MSL. TREE 90 FT FROM DER, 226 FT RIGHT OF CENTERLINE, 983 FT MSL. TREE 628 FT FROM DER, 509 FT RIGHT OF CENTERLINE, 1006 FT MSL. NOTE: RWY 22, TREES BEGINNING 2 FT FROM DER, 290 FT LEFT OF CENTERLINE, UP TO 988 FT MSL. POLE, WSK BEGINNING 11 FT FROM DER, 57 FT RIGHT OF CENTERLINE, UP TO 7 FT AGL/979 FT MSL. TREES BEGINNING 179 FT FROM DER, 275 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/999 FT MSL. TREES BEGINNING 1033 FT FROM DER, 595 FT LEFT OF CENTERLINE, UP TO 1042 FT MSL. TREE 2420 FT FROM DER, 123 FT RIGHT OF CENTERLINE, 96 FT AGL/1035 FT MSL. TREE 2442 FT FROM DER, 52 FT RIGHT OF CENTERLINE, 104 FT AGL/1043 FT MSL. TREES BEGINNING 2443 FT FROM DER, 21 FT RIGHT OF CENTERLINE, UP TO 106 FT AGL/1050 FT MSL. TREES BEGINNING 2496 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 103 FT AGL/1045 FT MSL. TREES BEGINNING 2503 FT FROM DER, ON CENTERLINE, UP TO 103 FT AGL/1054 FT MSL. TREES BEGINNING 2550 FT FROM DER, 43 FT RIGHT OF CENTERLINE, UP TO 105 FT AGL/1061 FT MSL. ALL OTHER DATA REMAINS AS PUBLISHED. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 1A. 1606221958-PERM

FDC 6/6047 OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. ILS OR LOC RWY 17R, AMDT 12A ... APT ELEV 1296. CIRCLING CAT A/B HAA 504, CIRCLING CAT C HAA 664, CIRCLING CAT D HAA 704, CIRCLING CAT E HAA 944. COTOX FIX MINIMUMS CIRCLING CAT A HAA 444, CIRCLING CAT B HAA 464, CIRCLING CAT C HAA 664, CIRCLING CAT D HAA 704, CIRCLING CAT E HAA 944. THIS IS ILS OR LOC RWY 17R, AMDT 12B 1606231232-PERM

FDC 6/6049 OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. ILS OR LOC/DME RWY 35L, AMDT 2A ... APT ELEV 1296. CIRCLING CAT A HAA 444, CIRCLING CAT B HAA 464, CIRCLING CAT C HAA 664, CIRCLING CAT D HAA 704, CIRCLING CAT E HAA 944. THIS IS ILS OR LOC/DME RWY 35L, AMDT 2B 1606231232-PERM

FDC 6/6051 OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. ILS OR LOC RWY 17L, AMDT 3A ... APT ELEV 1296. CIRCLING CAT A HAA 444, CIRCLING CAT B HAA 464, CIRCLING CAT C HAA 664, CIRCLING CAT D HAA 704, CIRCLING CAT E HAA 944. RURIQ FIX MINIMUMS CIRCLING CAT A HAA 444, CIRCLING CAT B HAA 464, CIRCLING CAT C HAA 664, CIRCLING CAT D HAA 704, CIRCLING CAT E HAA 944. THIS IS ILS OR LOC RWY 17L, AMDT 3B 1606231232-PERM

FDC 6/6054 OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. ILS OR LOC/DME RWY 35R, AMDT 10A ... ILS RWY 35R (CAT II), AMDT 10A ... ILS RWY 35R (SA CAT I), AMDT 10A ... APT ELEV 1296. CIRCLING CAT A HAA 444, CIRCLING CAT B HAA 464, CIRCLING CAT C HAA 664, CIRCLING CAT D HAA 704, CIRCLING CAT E HAA 944. THIS IS ILS OR LOC/DME RWY 35R, AMDT 10B; ILS RWY 35R (CAT II), AMDT 10B; ILS RWY 35R (SA CAT I), AMDT 10B 1606231232-PERM

FDC 6/6055 OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (RNP) Z RWY 17L, AMDT 3A ... APT ELEV 1296. THIS IS RNAV (RNP) Z RWY 17L, AMDT 3B 1606231232-PERM

FDC 6/6056 OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (RNP) Z RWY 17R, AMDT 1A ... APT ELEV 1296. THIS IS RNAV (RNP) Z RWY 17R, AMDT 1B 1606231232-PERM

FDC 6/6057 OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (RNP) Z RWY 35L, AMDT 1A ... APT ELEV 1296. THIS IS RNAV (RNP) Z RWY 35L, AMDT 1B 1606231232-PERM

FDC 6/6058 OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (RNP) Z RWY 35R, AMDT 2A ... APT ELEV 1296. THIS IS RNAV (RNP) Z RWY 35R, AMDT 2B 1606231232-PERM

FDC 6/6060 OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (GPS) Y RWY 17R, AMDT 4A ... APT ELEV 1296. CIRCLING CAT A HAA 444, CIRCLING CAT B HAA 464, CIRCLING CAT C HAA 664, CIRCLING CAT D HAA 704, CIRCLING CAT E HAA 944. THIS IS RNAV (GPS) Y RWY 17R, AMDT 4B 1606231232-PERM

FDC 6/6061 OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (GPS) Y RWY 35L, AMDT 4 ... APT ELEV 1296. CIRCLING CAT A HAA 444, CIRCLING CAT B HAA 464, CIRCLING CAT C HAA 664, CIRCLING CAT D HAA 704, CIRCLING CAT E HAA 944. THIS IS RNAV (GPS) Y RWY 35L, AMDT 4A 1606231232-PERM

FDC 6/6063 OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (GPS) Y RWY 35R, AMDT 3A ... APT ELEV 1296. CIRCLING CAT A HAA 444, CIRCLING CAT B HAA 464, CIRCLING CAT C HAA 664, CIRCLING CAT D HAA 704, CIRCLING CAT E HAA 944. THIS IS RNAV (GPS) Y RWY 35R, AMDT 3B 1606231232-PERM

FDC 6/6065 OKC IAP WILL ROGERS WORLD, OKLAHOMA CITY, OK. RNAV (GPS) RWY 13, AMDT 3A... CIRCLING CAT A HAA 444, CIRCLING CAT B HAA 464, CIRCLING CAT C HAA 664, CIRCLING CAT D HAA 704. THIS IS RNAV (GPS) RWY 13, AMDT 3B. 1606231232-PERM

FDC 6/6120 PLN IAP PELLSTON RGNL AIRPORT OF EMMET COUNTY, PELLSTON, MI. RNAV (GPS) RWY 5, ORIG-A... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN/CIRCLING RWY 5 PROCEDURE NA AT NIGHT. CHART NOTE: STRAIGHT-IN RWY 5 NA AT NIGHT, CIRCLING RWY 5 NA AT NIGHT. THIS IS RNAV (GPS) RWY 5, ORIG-B. 1606061501-PERM

FDC 6/6124 PLN IAP PELLSTON RGNL AIRPORT OF EMMET COUNTY, PELLSTON, MI. VOR RWY 23, AMDT 16A... DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 5 NA AT NIGHT. DELETE NOTE: WHEN VGSI INOP, STRAIGHT-IN MINIMUMS RWY 23 NA AT NIGHT. CHART NOTE: STRAIGHT-IN RWY 23 NA AT NIGHT, CIRCLING RWY 5, 23 NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: RWY 23 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS VOR RWY 23, AMDT 16B. 1606061501-PERM

FDC 6/6125 PLN IAP PELLSTON RGNL AIRPORT OF EMMET COUNTY, PELLSTON, MI. ILS OR LOC RWY 32, AMDT 11B... DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 5 NA AT NIGHT. CHART NOTE: CIRCLING RWY 5 NA AT NIGHT. THIS IS ILS OR LOC RWY 32, AMDT 11C. 1606061501-PERM

FDC 6/6134 UWL IAP NEW CASTLE-HENRY CO MUNI, NEW CASTLE, IN. NDB OR GPS RWY 9, AMDT 5B... CHART NOTE: STRAIGHT-IN RWY 9 NA AT NIGHT, CIRCLING RWY 9 NA AT NIGHT. CHART NOTE: RWY 9 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS NDB OR GPS RWY 9, AMDT 5C. 1606061508-PERM

FDC 6/7516 UBX IAP CUBA MUNI, CUBA, MO. RNAV (GPS) RWY 36, ORIG-B... DELETE NOTE: WHEN VGSI INOP, PROCEDURE NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: STRAIGHT-IN RWY 36 NA AT NIGHT, CIRCLING RWY 36 NA AT NIGHT. CHART NOTE: RWY 36 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. THIS IS RNAV (GPS) RWY 36, ORIG-C. 1607181856-PERM

FDC 6/7517 UBX IAP CUBA MUNI, CUBA, MO. RNAV (GPS) RWY 18, ORIG-A... CHART NOTE: RWY 18 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. DELETE NOTE: WHEN VGSI INOP, CIRCLING RWY 36 NA AT NIGHT. DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: CIRCLING RWY 36 NA AT NIGHT. THIS IS RNAV (GPS) RWY 18, ORIG-B. 1607181856-PERM

FDC 6/7534 GTU IAP GEORGETOWN MUNI, GEORGETOWN, TX. RNAV (GPS) RWY 11, ORIG... CHART NOTE: STRAIGHT-IN RWY 11 NA AT NIGHT, CIRCLING RWY 11, 29 NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART CIRCLING ICON. DELETE VDP. DELETE NOTE: VDP NA WHEN USING SKYLARK FIELD ALTIMETER SETTING. 34:1 IS NOT CLEAR. CIRCLING CAT B MDA 1280/HAA 490, CAT C MDA 1360/HAA 570. THIS IS RNAV (GPS) RWY 11, ORIG-A. 1607181904-PERM

FDC 6/7535 GTU IAP GEORGETOWN MUNI, GEORGETOWN, TX. RNAV (GPS) RWY 29, ORIG... CHART NOTE: STRAIGHT-IN RWY 29 NA AT NIGHT, CIRCLING RWY 11, 29 NA AT NIGHT. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. DELETE VDP. DELETE NOTE: VDP NA WHEN USING SKYLARK FIELD ALTIMETER SETTING. 34:1 IS NOT CLEAR. CHART CIRCLING ICON. CIRCLING CAT B MDA 1280/HAA 490, CAT C MDA 1360/HAA 570. THIS IS RNAV (GPS) RWY 29, ORIG-A. 1607181904-PERM

FDC 6/7673 IKW IAP JACK BARSTOW, MIDLAND, MI. RNAV (GPS) RWY 24, AMDT 1... DELETE NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA. CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: CIRCLING RWY 18, 36 NA AT NIGHT. THIS IS RNAV (GPS) RWY 24, AMDT 1A. 1606082251-PERM

FDC 6/9348 SFF IAP FELTS FIELD, SPOKANE, WA. RNAV (GPS)-A, AMDT 1... DELETE NOTE: CIRCLING TO RWY 4R NA AT NIGHT. DELETE NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA. CIRCLING CAT C MDA 3020/HAA 1063, CAT D MDA 3360/HAA 1403. VIS CAT C 3. THIS IS RNAV (GPS)-A, AMDT 1A. 1607211055-PERM

FDC 6/9349 SFF IAP FELTS FIELD, SPOKANE, WA. RNAV (GPS) RWY 4L, AMDT 1B... CIRCLING CAT C MDA 3020/HAA 1063, CAT D MDA 3360/HAA 1403. VIS CAT C/D 3. THIS IS RNAV (GPS) RWY 4L, AMDT 1C. 1607211055-PERM

FDC 6/9350 VNY IAP VAN NUYS, VAN NUYS, CA. VOR-A, AMDT 4B... CIRCLING CAT C HAA 698. CIRCLING CAT D MDA 2060.. THIS IS VOR-A, AMDT 4C. 1607211058-PERM

FDC 6/9356 BIH ODP BISHOP, BISHOP, CA. TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 3A... CHANGE ALL REFERENCE FROM RWY 16/34 TO RWY 17/35.. ALL OTHER DATA REMAINS AS PUBLISHED.. THIS IS TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES, AMDT 3B. 1607211100-PERM

FDC 6/9364 MYF IAP MONTGOMERY FIELD, SAN DIEGO, CA. ILS OR LOC RWY 28R, AMDT 4A... CHANGE AIRPORT NAME TO MONTGOMERY-GIBBS EXECUTIVE. THIS IS ILS OR LOC RWY 28R, AMDT 4B. 1607211108-PERM

FDC 6/9365 MYF IAP MONTGOMERY FIELD, SAN DIEGO, CA. RNAV (GPS) RWY 28R, AMDT 1A... CHANGE AIRPORT NAME TO MONTGOMERY-GIBBS EXECUTIVE. THIS IS RNAV (GPS) RWY 28R, AMDT 1B. 1607211108-PERM

FDC 6/9687 BQN IAP RAFAEL HERNANDEZ, AGUADILLA, PR. VOR/DME OR TACAN RWY 26, ORIG-B... MISSED APPROACH: CLIMB TO 600, THEN CLIMBING RIGHT TURN TO 3000 HEADING 330 AND ON BQN VORTAC R-301 TO AQABA/BQN 16.3 DME AND HOLD. THIS IS VOR/DME OR TACAN RWY 26, ORIG-C. 1606131322-PERM