

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE**

TITLE 14 CFR PART 97.33

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

<u>AIRPORT</u> FERNANDINA BEACH MUNI	<u>AIRPORT ID</u> KFHB	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> FERNANDINA BEACH	<u>STATE</u> FL
<u>AIRPORT ELEVATION</u> 16	<u>TDZE</u> 14	<u>SUPERSEDED</u> RNAV (GPS) RWY 13	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 08/16/2018	<u>MAG VAR</u> 5W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 5 DECEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 040/30 CW 220/30	NOPT	ACAPU	IF/IAF	3000
2. 220/30 CW 310/30		HUPAR	IAF	3000
3. 310/30 CW 040/30		JOBUK	IAF	3000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HUPAR	IAF	ACAPU	NOPT	TF	FB	1.00	220.52	6.00	3000
JOBUK	IAF	ACAPU	NOPT	TF	FB	1.00	040.46	6.00	3000
ACAPU	IF/IAF	ZIGOL		TF	FB	1.00	130.49	6.41	2000
ZIGOL	FAF	HIROP/3.20 NM TO RW13		TF	FB	0.30	130.54	2.89	
HIROP/3.20 NM TO RW13		RW13	MAP	TF	FO	0.30	130.54	3.20	
RW13	MAP	500 MSL		CA			130.54		500
500 MSL		ACAPU		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW13

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3000 DIRECT ACAPU AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD NW ACAPU, RT, 130.49 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 130.54 **FAF:** ZIGOL **DIST FAF TO MAP:** 6.09 **DIST FAF TO THLD:** 6.09
- 4. **MIN ALT:** ACAPU 3000, ZIGOL 2000, HIROP/3.20 NM TO RW13 1080*
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **274 HAT:** 0.71 **GS ANT:**
- 6. **MIN GP INCPT:** 2000 **GP ALT AT FAF :** ZIGOL 2000 **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** 3.00 **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:** 49.3
- 8. **MSA FROM:**

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 9, 22, 27 NA AT NIGHT.
 CHART NOTE: RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.
 CHART PLANVIEW NOTE AT HUPAR: MAX 210 KIAS.
 CHART PLANVIEW NOTE AT JOBUK: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 CHART P-50
 CHART VDP AT 1.12 NM TO RW13*
 *LNAV ONLY
 WAAS CHANNEL #50318
 REFERENCE PATH ID: W13A
 CHART FAS OBST: 168 ANTENNA 303704N/0812744W.
 215 AAO 303824N/0813132W.
 LTP HAE: -24.7 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E			
	FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	288	1	274	288	1	274	288	1	274	288	1	274				
LNAV/VNAV DA	443	1 3/8	429	443	1 3/8	429	443	1 3/8	429	443	1 3/8	429				
LNAV MDA	420	1	406	420	1	406	420	1 1/8	406	420	1 1/8	406				
CIRCLING	480	1	464	480	1	464	580	1 1/2	564	580	2	564				



CHANGES - REASONS

1. CIRCLING CAT C MDA/HAA INCREASED FROM 480/464 TO 580/564. - NEW CIRCLING RADII APPLIED IAW 8260.3D.
2. TERMINAL ROUTES: HIROP/3.20 NM TO RW13 TO RW13 COURSE UPDATED FROM 130.56 TO 130.54; RW13 TO 500 MSL COURSE UPDATED FROM 130.56 TO 130.54. - VERIFIED WITH TARGETS BUILD.
3. MISSED APPROACH INSTRUCTIONS: "CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3000 DIRECT ACAPU AND HOLD" UPDATED TO "CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3000 DIRECT ACAPU AND HOLD, CONTINUE TO CLIMB-IN-HOLD TO 3000." - CLIMB-IN-HOLD REQUIRED FOR ALL LINES OF MINIMA.
4. PROFILE LINE 2: ADDED "CHART MAX 6000" TO HOLD-IN LIEU. - PER .19H PARA 8-6-7B (2).
5. PROFILE LINE 5: DIST TO THLD FROM 274 HAT: 0.71 ADDED. - IAW 8260.19H 8-6-7 E(3).
6. PROFILE LINE 7: 20:1 IS CLEAR ADDED. - NO 20:1 PENETRATIONS EXIST.
7. CHART NOTE: BARO-VNAV NA WHEN USING JACKSONVILLE INTL ALTIMETER SETTING REMOVED. - MOVED TO 8260-9 FOR CONTINGENCY USE.
8. CHART NOTE: ALTERNATE ALTIMETER NOTE REMOVED. - MOVED TO 8260-9 FOR CONTINGENCY USE.
9. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F) UPDATED TO -15C TO 54C. - FAHRENHEIT REMOVED IAW 8260.19H.
10. CHART NOTE: STRAIGHT-IN RWY 13 NA AT NIGHT REMOVED. - INCORPORATE NOTAM 9/8086; NO 20:1 PENETRATIONS EXIST.
11. CHART NOTE: CIRCLING RWY 9, 13, 22, 27 NA AT NIGHT UPDATED TO CIRCLING RWY 9, 22, 27 NA AT NIGHT. - INCORPORATE NOTAM 9/8086; NO 20:1 PENETRATIONS EXIST.
12. CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NA UPDATED TO RWY 13 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. - NO 20:1 PENETRATION EXIST; 34:1 PENETRATIONS PRESENT.
13. ADDITIONAL FLIGHT DATA: CHART VDP AT 1.12 NM TO RW13* ADDED. - NO 20:1 PENETRATIONS EXIST.
14. ADDITIONAL FLIGHT DATA: CHART FAS OBST: 168 COMMUNICATION TWR UPDATED TO 168 ANTENNA. - LNAV STEPDOWN OBSTACLE UPDATED.
15. ADDITIONAL FLIGHT DATA: CHART CIRCLING ICON ADDED. - NEW CIRCLING RADII APPLIED IAW 8260.3D.
16. ALTERNATE MINIMUMS STANDARD ADDED. - PRIMARY AND ALTERNATE AIRPORTS HAVE SUITABLE WEATHER REPORTING.
17. ALL CHANGES FROM AMDT 2A AND 2B HAVE BEEN INCORPORATED INTO THIS PROCEDURE.

10/9/19: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 7/9/19.

1. ADDED ROUTINE TO REQUIRED EFFECTIVE DATE ON THE FAA FORM 8260-3.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZJX, JAX APP CON, AMGR

FLIGHT CHECKED BY

JEFFREY ECKMAN

Digitally signed by
WARDELL HENNING
FICO
Oct 08, 2019

DATE
10/03/19

DEVELOPED BY

WARDELL HENNING (BARBARA GORMAN)

Digitally signed by
WARDELL HENNING
AJV-A432
Oct 08, 2019

DATE
07/09/2019

APPROVED BY

LONNIE EVERHART

Digitally signed by
WARDELL HENNING
Oct 08, 2019

OFFICE
AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFHB
RUNWAY	RW13
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W13A
LTP/FTP LATITUDE	303652.2295N
LTP/FTP LONGITUDE	0812806.1935W
LTP/FTP ELLIPSOIDAL HEIGHT	-00247
FPAP LATITUDE	303600.2470N
FPAP LONGITUDE	0812642.2395W
THRESHOLD CROSSING HEIGHT (TCH)	00049.3
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1184
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	CC53313D

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00037
FPAP ORTHOMETRIC HEIGHT	+00037

