

**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> HILO INTL	<u>AIRPORT ID</u> PHTO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> HILO	<u>STATE</u> HI
<u>AIRPORT ELEVATION</u> 38	<u>TDZE</u> 31	<u>SUPERSEDED</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 11/10/2016	<u>MAG VAR</u> 11E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 25 FEBRUARY 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1985

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HAKRI		CABIX		TF	FB	1.00	261.19	18.90	4000
ARBOR		KENNZ		TF	FB	1.00	069.00	5.72	4000
CABIX	IAF	FAMBU		TF	FB	1.00	280.85	5.25	3300
KENNZ	IAF	FAMBU		TF	FB	1.00	129.63	10.04	3300
FAMBU	IF	KOPSE		TF	FB	1.00	209.82	5.91	1800
KOPSE	FAF	RW21	MAP	TF	FO	0.30	209.81	5.42	
RW21	MAP	500 MSL		CA			209.81		500
500 MSL		CABIX		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LNAV: RW21

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500, THEN CLIMBING LEFT TURN TO 4000 DIRECT CABIX AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. PROFILE STARTS AT FAMBU
- 3. **FAC:** 209.81 **FAF:** KOPSE **DIST FAF TO MAP:** 5.42 **DIST FAF TO THLD:** 5.42
- 4. **MIN ALT:** FAMBU 3300, KOPSE 1800
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **GS ANT:**
- 6. **MIN GP INCPT:** **GP ALT AT FAF :** **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:**
- 8. **MSA FROM:** RW21 15000

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA S OF RWY 8-26.
 CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ARBOR ON V15-V2-V16 NORTHWEST BOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT HAKRI ON V22 NORTHEAST BOUND.
 CHART SPEED ICON IN PLANVIEW AT CABIX: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
 KOPSE TO RW21: 3.00/50.
 CHART VDP AT 1.14 NM TO RW21
 CHART FAS OBST: 186 TOWER 194360N/1550158W.
 HOLD N, RT, 169.07 INBOUND

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT C 900-2 1/4, CAT D 1300-3

CATEGORY:	A			B			C			D			E		
	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
LNAV MDA	440	1	409	440	1	409	440	1 1/8	409	440	1 1/8	409			
CIRCLING	500	1	462	540	1	502	840	2 1/4	802	1320	3	1282			



CHANGES - REASONS

DELETED WAYPOINT JESOM (IAF) AND ADDED WAYPOINT KENNZ (IAF) - FPT REQUEST.
 CHANGED FEEDER ROUTE FROM "ARBOR TO JESOM" TO "ARBOR TO KENNZ" - FPT REQUEST.
 DELETED WAYPOINT COGDA (IAF) AND ADDED WAYPOINT CABIX AS IAF - FPT REQUEST.
 CHANGED FEEDER ROUTE FROM "HAKRI TO COGDA" TO "HAKRI TO CABIX" - FPT REQUEST.
 CHANGED KOPSE TO RW21: 3.05/50 TO KOPSE TO RW21: 3.00/50 - APPLICATION OF NEW CRITERIA.
 RELOCATED WAYPOINT KOPSE 0.08 NW - APPLICATION OF NEW CRITERIA.
 CHANGED FAMBU TO KOPSE COURSE/DISTANCE FROM 209.82/6.00 TO 209.82/5.91 - RELOCATED WAYPOINT KOPSE.
 CHANGED LINE 3 IN CONJUNCTION WITH THE CHANGE OF COURSE/DISTANCE OF KOPSE TO RW21 FROM 209.80/5.33 TO 209.81/5.42 - RELOCATED WAYPOINT KOPSE.
 CHANGED MISSED APPROACH INSTRUCTION FROM "CLIMBING LEFT TURN TO 5000 DIRECT POA NDB AND HOLD." TO "CLIMB TO 500, THEN CLIMBING LEFT TURN TO 4000 DIRECT CABIX AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000."- FPT REQUEST; CIH ADDED TO REACH MIN HOLDING ALT.
 DELETED PAHOA (POA) NDB - NEW MISSED APPROACH CLEARANCE LIMIT ESTABLISHED PER FPT.
 CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "HOLD NW, LT, 149.00 INBOUND." TO "HOLD N, RT, 169.07 INBOUND."- FPT REQUEST.
 ADDED 20:1 IS CLEAR ON LINE 7 - NEW EVALUATION.
 DELETED PROFILE NOTE VISUAL SEGMENT- OBSTACLES AND CHART ADDITIONAL FLIGHT DATA NOTE KOPSE TO RW21: 3.00/50 - AS PER 8260-3D, 2-6-4.
 ADD VDP AT 1.14 NM FROM RWY21 - NO 20:1 PENETRATIONS.
 NOTE: DELETED DME/DME RNP 0.3 NA WITH RNP APCH - APPLICATION OF NEW EQUIPMENT REQUIREMENTS NOTE.
 CHANGED CHART NOTE: "HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED" TO RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - NEW FORMAT.
 CHANGED FAS OBS FROM "178 TANK 194344N/1550316W" TO "CHART FAS OBST: 186 TOWER 194400N/1550158W"- NEW FINAL CONTROLLING OBSTACLE.
 CHART NEW CIRCLING ICON - AS PER ORDER 8260.3D, CHAPTER 2.
 CHANGED LNAV CAT C/D VISIBILITY TO 1 1/8 - APPLICATION OF NEW VISIBILITY MINIMUMS.
 CHANGED CIRCLING CAT B MDA 540/ HAA 502, CAT C MDA 840/HAA 802 AND CAT D MDA 1320/HAA 1282 - APPLICATION OF NEW CIRCLING CRITERIA.
 CHANGED CIRCLING VISIBILITY CAT C TO 2 1/4, CAT D TO 3 - APPLICATION OF NEW CIRCLING MINIMUMS.
 ADDED ALTERNATE MINIMUMS: STANDARD; EXCEPT CAT C 900-2 1/4, CAT D 1300-3; - LOCAL ALTIMETER CLASSIFIED AS ASOS/PER 8260.19H, 8-6-9, F (5).
 CHART SPEED ICON IN PLANVIEW AT CABIX: MAX 210 KIAS - AIRSPEED RESTRICTION ADDED TO MAINTAIN MINIMUM SEGMENT LENGTH.
 DELETED CHART NOTE: NIGHT LANDING: RWY 21 NA - NO 20:1 PENETRATIONS.

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZHN, ITO ATCT, ITO APP, AMGR

Digitally signed by

FLIGHT CHECKED BY

JASON KRETSCHMER

OFFICE

DATE

BROC L STARRETT

Nov 30, 2020

FICO

11/21/2020

DEVELOPED BY

Digitally signed by
JASON KRETSCHMER

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DATE

DAVID DANNER (ANDRE MARSH)

Nov 30, 2020

AJV-A421

01/21/2020

APPROVED BY

MARLON ROBINSON

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OFFICE

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TITLE
MANAGER

Nov 30, 2020

AJV-A420

