

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> KAHULUI	<u>AIRPORT ID</u> PHOG	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 20	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> KAHULUI	<u>STATE</u> HI
<u>AIRPORT ELEVATION</u> 53	<u>TDZE</u> 25	<u>SUPERSEDED</u> RNAV (GPS) RWY 20	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 05/26/2016	<u>MAG VAR</u> 11E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 20 JUNE 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 1990

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
PLUMB		FOSLU		TF	FB	1.00	117.05	10.67	3000
SWEEP		POCGI		TF	FB	1.00	267.00	11.04	3000
FOSLU	IAF	WEPTU		TF	FB	1.00	117.00	8.00	2000
POCGI	IAF	WEPTU		TF	FB	1.00	266.93	8.00	2000
WEPTU	IF	JUDEZ		TF	FB	1.00	204.00	3.20	1700
JUDEZ	FAF	BIKDE/2.60 NM TO HUKLA		TF	FB	0.30	203.99	2.33	
BIKDE/2.60 NM TO HUKLA		HUKLA	MAP	TF	FO	0.30	203.99	2.60	
HUKLA	MAP	500 MSL		CA			203.99		500
500 MSL		NDREW		DF	FO	1.00			4300

MISSED APPROACH

MAP:

LNAV: HUKLA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING LEFT TURN TO 4300 DIRECT NDREW AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**

2. PROFILE STARTS AT WEPTU

3. **FAC:** 203.99 **FAF:** JUDEZ **DIST FAF TO MAP:** 4.93 **DIST FAF TO THLD:** 5.13

4. **MIN ALT:** WEPTU 2000, JUDEZ 1700, BIKDE/2.60 NM TO HUKLA 940

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 CLEAR **20:1:** IS CLEAR **TCH:**

8. **MSA FROM:** RW20 11200

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, PROCEDURE NA.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT PLUMB ON V6-V22 NORTHWEST BOUND.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SWEEP ON V11 EASTBOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
JUDEZ TO RW20: 3.00/55.0.
CHART VDP AT 0.76 NM TO HUKLA
FAS OBST: 150 SHIP 205541N/1562424W.
HOLD S, RT, 005.99 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 1100-3

<u>CATEGORY:</u>	A			B			C			D			E		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LNAV MDA	400	1	375	400	1	375	400	1	375	400	1	375			
CIRCLING	500	1	447	620	1	567	740	2	687	1140	3	1087			



CHANGES - REASONS

DELETED FEEDER ROUTE PLUMB TO OLONE - PROCEDURE REDESIGN TO REDUCE FLIGHT TRACK MILES.
ADDED FEEDER ROUTE PLUMB TO FOSLU COURSE/DISTANCE 117.05/10.67 - PROCEDURE REDESIGN TO REDUCE FLIGHT TRACK MILES.
DELETED FEEDER ROUTE SWEEP TO UPOYO - PROCEDURE REDESIGN TO REDUCE FLIGHT TRACK MILES.
ADDED FEEDER ROUTE SWEEP TO POCGI COURSE/DISTANCE 267.00/11.04 - PROCEDURE REDESIGN TO REDUCE FLIGHT TRACK MILES.
DELETED INITIAL ROUTE OLONE TO KRANE - PROCEDURE REDESIGN TO REDUCE FLIGHT TRACK MILES.
ADDED INITIAL ROUTE FOSLU TO WEPTU COURSE/DISTANCE 117.00/8.00 - PROCEDURE REDESIGN TO REDUCE FLIGHT TRACK MILES.
DELETED INITIAL ROUTE UPOYO TO KRANE - PROCEDURE REDESIGN TO REDUCE FLIGHT TRACK MILES.
ADDED INITIAL ROUTE POCGI TO WEPTU COURSE/DISTANCE 266.93/8.00- PROCEDURE REDESIGN TO REDUCE FLIGHT TRACK MILES.
DELETED INTERMEDIATE ROUTE KRANE TO JUDEZ - PROCEDURE REDESIGN TO REDUCE FLIGHT TRACK MILES.
ADDED INTERMEDIATE ROUTE WEPTU TO JUDEZ COURSE/DISTANCE 204.00/3.20 - PROCEDURE REDESIGN TO REDUCE FLIGHT TRACK MILES.
FINAL SEGMENT JUDEZ TO BIKDE DISTANCE CHANGED FROM 2.26 TO 2.33 - RELOCATION OF JUDEZ DUE TO TCH CHANGE.
MINIMUM ALTITUDE AT BIKDE CHANGED FROM 920 TO 940 - DESCENT GRADIENT.
DELETED CHART NOTE: DME/DME RNP-0.3 NA - REPLACED WITH PBN REQUIREMENTS NOTE.
ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H 8-6-8 B (1).
ADDED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}) - IAW 8260.19H 8-6-7 M. (2)
PROCEDURE TCH CHANGED FROM 76 TO 55 - PER INSTRUMENT FLIGHT PROCEDURE REQUEST CHECKLIST.
VDP CHANGED FROM 0.98 NM TO RWY 20 TO 0.76 NM TO HUKLA - IAW 8260.19H 8-6-10 N. (2).
CIRCLING CAT C/D MDA/HAA CHANGED FROM 780/726, 1180/1126 TO 740/687, 1140/1087 - ACCURACY CODE CHANGE FROM 2D TO 2C.
DISTANCE OF FAF TO MAP/THLD CHANGED FROM 4.86/5.06 TO 4.93/5.13 - FAF LOCATION MOVED DUE TO TCH CHANGE.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHL, HCF APP CON, OGG ATCT, AMGR, HAWAII AERO DIR, ATA

FLIGHT CHECKED BY

KENNETH E JACK

*Digitally signed by***DONALD H LANIER**

May 09, 2019

*Digitally signed by***ROBERT GRIM**

Mar 01, 2019

OFFICE

FICO

DATE

4/25/19

DEVELOPED BY

ROBERT GRIM

OFFICE

AJV-A431

DATE

12/20/2018

APPROVED BY

PATRICK MULQUEEN

*Digitally signed by***DONALD H LANIER**

May 09, 2019

OFFICE

A43

DATE**TITLE**
MANAGERQUALITY
22
CHECKED