

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> ELLISON ONIZUKA KONA INTL AT KEAHOLE	<u>AIRPORT ID</u> PHKO	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> KAILUA/KONA	<u>STATE</u> HI
<u>AIRPORT ELEVATION</u> 47	<u>TDZE</u> 37	<u>SUPERSEDED</u> RNAV (GPS) Z RWY 35	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 03/29/2018	<u>MAG VAR</u> 11E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 JULY 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 1985

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>
KOA VORTAC		HASOG		TF	FO	2.00	174.55	11.66	2700
UJGEM	IAF	HASOG	NOPT	TF	FB	1.00	083.74	12.03	2700
HASOG	IF/IAF	HOXLY		TF	FB	1.00	353.81	7.00	1700
HOXLY	FAF	RW35	MAP	TF	FO	0.30	353.82	5.03	
RW35	MAP	500 MSL		CA			353.82		500
500 MSL		AMERY		DF	FO	1.00			5000

MISSED APPROACH

MAP:

LNAV/VNAV: DA
LNAV: RW35

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING LEFT TURN TO 5000 DIRECT AMERY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD S HASOG, LT, 353.81 INBOUND, 2700 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 353.82 FAF: HOXLY DIST FAF TO MAP: 5.03 DIST FAF TO THLD: 5.03
4. MIN ALT: HASOG 2700, HOXLY 1700
5. DIST TO THLD FROM OM: MM: IM: 150 HAT: 329 HAT: 0.84
6. MIN GP INCPT: 1700 GP ALT AT FAF : HOXLY 1700 OM: MM: IM:
7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 60.0
8. MSA FROM: RW35 14900

PBN EQUIPMENT REQUIREMENTS NOTES

PBN REQUIREMENTS NOTE: RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA EAST OF RWY 17-35.
CHART NOTE: WAAS VNAV NA.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 17C OR ABOVE 54C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL AT KOA VORTAC ON B595 NORTHBOUND.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
CHART VDP AT 0.98 NM TO RW35*
*LNAV ONLY
CHART FAS OBST: 169 TREE 194340N/1560211W.
HOLD NW, RT, 113.67 INBOUND

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
LNAV/VNAV DA	366	1	329	366	1	329	366	1	329	366	1	329	366	1	329
LNAV MDA	420	1	383	420	1	383	420	1	383	420	1 1/8	383	420	1 1/8	383
CIRCLING	520	1	473	520	1	473	520	1	473	600	2	553	600	2	553



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
ELLISON ONIZUKA KONA INTL AT KEAHOLE	PHKO	RNAV (GPS) RWY 35	2	KAILUA/KONA	HI

CHANGES - REASONS

1. DELETED CHART NOTE: DME/DME RNP - 0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH. - 8260.58A TABLE 1-2-1.
2. DELETED FAHRENHEIT FROM CHART NOTE: UNCOMPENSATED BARO-VNAV SYSTEMS. - FAHRENHEIT NO LONGER CHARTED.
3. CHANGE INTERMEDIATE SEGMENT RNP FROM .50 TO 1.00. - ARNIC 424-18
4. ADDED "DIST TO THLD FROM 329 HAT: 0.84 NM" IN ADDITIONAL FLIGHT DATA. - REQUIRED FOR VERTICALLY GUIDED PROCEDURE.
5. RENAMED PROCEDURE FROM RNAV (GPS) Z RWY 35 TO RNAV (GPS) RWY 35. - COMBINED RNAV Z AND Y PROCEDURES TO RWY 35.
6. THE HOLDING ALTITUDE AT FIX HASOG WAS RAISED FROM 2000 FEET MSL TO 2700 FEET MSL, TO INCLUDE THE INITIAL AND FEEDER ROUTES. - AREA OVERFLYS MONK SEAL HABITAT.
7. CHANGED LNAV/VNAV DA/HAT FROM 540/503 TO 366/329 AND VISIBILITY ALL CATS CHANGED FROM 1 5/8 TO 1. - NEW CONTROLLING OBSTACLE AND NEW VISI TABLE APPLIED.
8. CHANGED LNAV MDA/HAT FROM 640/603 TO 420/383 AND VISIBILITY CATS D/E CHANGED FROM 1 3/4 TO 1 1/8. - NEW CONTROLLING OBSTACLE AND NEW VISI TABLE APPLIED.
9. ADDED CHART CIRCLING ICON AND UPDATED CIRCLING AREA MINIMUMS FROM CMDA/HAA 640/593 ALL CATS TO 520/473 CAT A/B/C, 600/553 CATS D/E, VISIBILITY CHANGED FOR CATS C FROM 1 3/4 TO 1 1/2. - NEW CIRCLING CRITERIA AREAS APPLIED.
10. CHART VDP CHANGED FROM 1.67 NM TO 0.98 NM. - MDA CHANGED FROM 640 TO 420.
11. CHANGED CHART NOTE FROM: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -5C (23F) OR ABOVE 43C (109F) TO UNCOMPENSATED BARO-VNAV NA BELOW 17C OR ABOVE 54C. - TEMPERATURE LIMITS BASED ON 4 YEAR AVERAGE.
12. ADDED PROCEDURE ENTRY RESTRICTION NOTE FOR ARRIVALS AT KOA VORTAC ON B595 NORTHBOUND. - TURN EXCEEDS 90 DEGREES.
13. CHANGED MISSED APPROACH INSTRUCTION FROM CLIMB TO 5000 DIRECT EGIPT AND ON TRACK 310.95 TO ZOBLA AND ON TRACK 259.02 TO AMERY AND HOLD TO CLIMB TO 500 THEN CLIMBING LEFT TURN TO 5000 DIRECT AMERY AND HOLD. - SIMPLIFIED MISSED APPROACH INSTRUCTIONS.



COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHN CERAP, KOA ATCT, HNL FSDO, APT MGR, USAF

FLIGHT CHECKED BY

ROSS LARSON
Digitally signed by
ADOLFO D URRUTIA

OFFICE

FICO

DATE

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May 23, 2018

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APPROVED BY

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MANAGER

