

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) 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 ID</u> KOA/PHKO	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 17	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> KAILUA-KONA	<u>STATE</u> HI
<u>AIRPORT ELEVATION</u> 51	<u>TDZE</u> 51	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 17	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 11E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>REQUIRED EFFECTIVE DATE</u> 11/27/2025	<u>EPOCH YEAR</u> 1985
		<u>ACTUAL EFFECTIVE DATE</u> 27 NOVEMBER 2025	<u>CANCEL/SUSPEND</u>	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
UPP VORTAC	IAF	SODZE		TF	FB	1.00	201.71	11.00	5700
SODZE		VECKI		TF	FB	1.00	201.68	8.41	3000
MUE VOR/DME	IAF	ZAPSO		TF	FB	1.00	247.27	8.00	6800
ZAPSO		VECKI		TF	FB	1.00	247.23	12.73	3000
TAMMI	IAF	VECKI		TF	FB	1.00	167.48	9.89	3000
VECKI	IF	GILLZ	PFAF	TF	FB	1.00	173.83	6.03	1500
GILLZ	PFAF	RW17	MAP	TF	FO	0.30	173.82	4.37	
RW17	MAP	WOPNA		TF	FB	1.00	173.82	5.59	
WOPNA		NANLE		RF	FB	1.00	(5.30 NM RADIUS CW (CFLQQ))	17.02	
NANLE		ANDES		TF	FO	1.00	357.79	8.86	5000

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5000 ON TRACK 173.82 TO WOPNA AND RIGHT TURN TO NANLE, AND ON TRACK 357.79 TO ANDES AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)
2. PROFILE STARTS AT VECKI
3. FAC: 173.82

PFAF: GILLZ

DIST FAF TO MAP:

DIST FAF TO THLD:
4. MIN ALT: VECKI 3000, GILLZ 1500
5. DIST TO THLD FROM PFAF: 4.37

MM:

IM:

150 HAT:

250 HAT: 0.61

GS ANT:
6. MIN GP INCPT: 1500

GP ALT AT PFAF: GILLZ 1500

OM:

MM:

IM:
7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 57.5
8. MSA FROM: RW17 14200



PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS, RF. AUTHORIZATION REQUIRED.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -5°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON UPP VORTAC AIRWAY RADIALS 200 CW 287.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.10 ALL CATS VISIBILITY TO 3/4 SM, AND RNP 0.24 ALL CATS VISIBILITY TO 7/8 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MUE VORTAC AIRWAY RADIAL 234.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 113.67 INBOUND.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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
AUTHORIZATION REQUIRED															
RNP 0.10 DA	301	1/2	250	301	1/2	250	301	1/2	250	301	1/2	250			
RNP 0.24 DA	351	1/2	300	351	1/2	300	351	1/2	300	351	1/2	300			
RNP 0.30 DA	450	5/8	399	450	5/8	399	450	5/8	399	450	5/8	399			

CHANGES - REASONS

- AIRPORT ELEVATION AND TDZE: UPDATED FROM "47" TO "51" - AIRNAV DATA.
- TERMINAL ROUTES: UPDATED IF TO PFAF LEG, TO FIX / DISTANCE FROM "EGIPT / 6.01" TO "GILLZ / 6.03" - PFAF NAME CHANGE AND LOCATION CHANGE.
- TERMINAL ROUTES: UPDATED PFAF TO MAP LEG, FROM FIX / DISTANCE FROM "EGIPT / 4.39" TO "GILLZ / 4.37" - PFAF NAME CHANGE AND LOCATION CHANGE.
- TERMINAL ROUTES: UPDATED MISSED RF LEG, ADDED COURSE "(5.30 NM RADIUS CW (CFLQQ))" - IAW 8260.19J 8-6-4 B.(6), CNF FIX NAME CHANGE FROM UKJOJ TO CFLQQ.
- PROFILE LINE 3: UPDATED PFAF FROM "EGIPT" TO "GILLZ" - PFAF NAME CHANGE.
- PROFILE LINE 5: UPDATED DIST TO THLD FROM PFAF FROM "4.39" TO "4.37" - PFAF LOCATION CHANGE.
- PROFILE LINE 4: UPDATED MIN ALT FROM "EGIPT 1500" TO "GILLZ 1500" - PFAF NAME CHANGE.
- PROFILE LINE 6: UPDATED GP ALT AT PFAF FROM "EGIPT 1500" TO "GILLZ 1500" - PFAF NAME CHANGE.
- PROFILE LINE 7: UPDATED 34:1 FROM " IS NOT CLEAR" TO " IS CLEAR", ADDED 20:1 "IS CLEAR", UPDATED TCH FROM "55.1" TO "57.5" - NO 34:1 OBSTACLES, IAW 8260.19J 8-6-7G.(3), TCH MATCHES ILS DESIGN TCH.
- PBN REQUIREMENTS NOTE: ADDED "RNP AR APCH - GPS, RF. AUTHORIZATION REQUIRED" - IAW 8260.19J 8-6-8 D.5.(B)2, AND 8-6-8 MEMO.
- NOTES: REMOVED "CHART NOTE: RF REQUIRED" AND "CHART NOTE: GPS REQUIRED" - IN PBN REQUIREMENTS NOTE.
- NOTES: UPDATED FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 6°C (43°F) OR ABOVE 48°C (119°F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -5°C OR ABOVE 54°C" - IAW 8260.19J 8-6-10 R.
- NOTES: UPDATED FROM "CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO 1 1/2 MILE" TO "CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.10 ALL CATS VISIBILITY TO 3/4 SM, AND RNP 0.24 ALL CATS VISIBILITY TO 7/8 SM" - IAW 8260.3G TABLE 3-3-1 AND INOP TABLE.
- NOTES: UPDATED FROM "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MUE VORTAC ON V3 NORTHEAST BOUND" TO "CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MUE VORTAC AIRWAY RADIAL 234" - IAW 8260.19J 8-2-5 E.
- NOTES: ADDED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - IAW 8260.19J 8-6-10 M.(1).
- ADDITIONAL FLIGHT DATA: REMOVED "#TCH 102.2 MSL (DO NOT CHART)", "ROUTE TYPE: A, H", "ROUTE TYPE QUALIFIER1: F", AND "ROUTE TYPE QUALIFIER2: S" - NOT REQUIRED.
- MINIMUMS: ADDED RNP 0.10 MINIMA - PER ATC REQUEST.
- MINIMUMS: REMOVED RNP 0.17 MINIMA - PER ATC REQUEST.
- MINIMUMS: ADDED RNP 0.24 MINIMA - PER ATC REQUEST.
- MINIMUMS: UPDATED RNP 0.30 MINIMA ALL CATS DA / VIS / HAT FROM "484 / 1 / 437" TO "450 / 5/8 / 399" - NEW MISSED CONTROLLING OBSTACLE, IAW 8260.3G TABLE 3-3-1.



COORDINATED WITH:

A4A

X

ALPA

X

AOPA

X

APA

X

HAI

NBAA

X

OTHER:

ZHN CERAP, KOA ATCT, HNL FSDO, AMGR, USAF

FLIGHT CHECKED BY

KENNETH E JACK

Digitally signed by

ROBERT G HAMILTON

Oct 20, 2025

OFFICE

AJF

DATE

10/08/2025

DEVELOPED BY
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Oct 20, 2025

OFFICE

AJV-A422

DATE

06/24/2025

APPROVED BY
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Oct 20, 2025

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DATE

TITLE

MANAGER

