

**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</u> DANIEL K INOUE INTL	<u>AIRPORT ID</u> PHNL	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 4R	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> HONOLULU	<u>STATE</u> HI	
<u>AIRPORT ELEVATION</u> 13	<u>TDZE</u> 9	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 4R	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 04/27/2017	<u>MAG VAR</u> 11E	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 JANUARY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
HUBAP	IAF	CIXOP		TF	FB	1.00	222.02	3.57	6300
CIXOP		WIKUR		TF	FB	1.00	222.00	3.34	5300
WIKUR		WORUB		RF	FB	1.00	(2.17 NM RADIUS CW (CFFFH))	2.57	4500
WORUB		XUMWE		RF	FB	1.00	(2.17 NM RADIUS CW (CFFFH))	4.25	3200
ZEPAS	IAF	YETUC		TF	FB	1.00	041.97	5.00	4800
YETUC		XUMWE		TF	FB	1.00	041.98	4.59	3200
ALANA	IAF	WORUB		TF	FB	1.00	289.76	8.64	4500
XUMWE	IF	DEBRY		TF	FB	1.00	042.00	2.67	2500
HAURY	IF	ULAJY		TF	FB	1.00	074.17	3.57	3000
ULAJY		DEBRY		TF	FB	1.00	070.32	1.80	2500
DEBRY		PERLY	PFAF	TF	FB	1.00	041.97	3.20	1500
PERLY	PFAF	RW04R	MAP	TF	FO	0.30	041.99	4.51	
RW04R	MAP	580 MSL		CA			041.99		580
580 MSL		ALANA		DF	FO	1.00			3000

QUALITY
42
CHECKED

MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 580 THEN CLIMBING RIGHT TURN TO 3000 DIRECT ALANA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT DEBRY				
3. FAC:	041.99	PFAF: PERLY	DIST PFAF TO MAP:	DIST PFAF TO THLD:	
4. MIN ALT:	DEBRY 2500, PERLY 1500				
5. DIST TO THLD FROM PFAF:	4.51	MM:	IM:	150 HAT:	250 HAT: 0.61
6. MIN GP INCPT:	1500	GP ALT AT PFAF : PERLY 1500		OM:	MM:
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 55.4	IM:
8. MSA FROM:	RW04R 5300				

PBN REQUIREMENTS NOTE:

RNP AR APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 17°C OR ABOVE 54°C.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PLANVIEW NOTE ADJACENT TO HUBAP IAF: RF REQUIRED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALANA ON V8-21 SOUTHBOUND AND ON V16 SOUTHEAST BOUND.
CHART PLANVIEW NOTE ADJACENT TO ALANA IAF: RF REQUIRED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.30 CAT A VISIBILITY TO 3/4 SM AND CAT B TO 7/8 SM.
CHART SPEED ICON IN PLANVIEW AT HUBAP: MAX 220 KIAS.
CHART SPEED ICON IN PLANVIEW AT CIXOP: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT ZEPAS: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT ALANA: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT HAURY: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 7000 AT HUBAP.
CHART MANDATORY 6000 AT ALANA.
CHART MANDATORY 4000 AT HAURY.
HOLD S, RT, 351.00 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 0.30 DA	259	1/2	250	277	1/2	268	432	3/4	423	432	3/4	423			

CHANGES - REASONS

1. PROFILE LINE 4 UPDATED MIN ALTITUDE AT DEBRY FROM 2000 TO 2500 - ATC REQUEST.
3. PROFILE LINE 5 ADDED DIST TO THLD FROM PFAF: 4.51, 250 HAT: 0.61; ADDITIONAL FLIGHT DATA REMOVED DISTANCE THLD FROM 257 HATH: 0.63 NM - IAW 8260.19H, 8-6-7E.
4. PROFILE LINE 7 ADDED 20:1 IS CLEAR - ENTRY REQUIRED IAW .19H.
5. PROFILE LINE 7 REMOVED # FROM TCH VALUE AND REMOVED # TCH 63.4 (DO NOT CHART) IN ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED.
6. ADDED PBN REQUIREMENTS NOTE: RNP AR APCH - PBN NAV SPEC REQUIREMENT IAW .19H.
7. NOTES REMOVED "GPS REQUIRED" - NOTE NO LONGER REQUIRED.
8. NOTES UPDATED UNCOMPENSATED BARO-VNAV RESTRICTION FROM NA BELOW 16°C (61°F) OR ABOVE 54°C (130°F) TO NA BELOW 17°C OR ABOVE 54°C - NEW HISTORICAL TEMPERATURE DATA USED 2014-2018, REMOVED FAHRENHEIT VALUE IAW .19H
9. NOTES REMOVED CHART PLANVIEW NOTE ADJACENT TO REEF IAF: RF REQUIRED - REMOVED REEF IAF.
10. NOTES UPDATED INOP ALS FROM "INCREASE RNP 0.30 CAT A VISIBILITY TO 3/4 SM; INCREASE CAT B/C VISIBILITY TO 7/8 SM; INCREASE CAT D VISIBILITY TO 1 7/8 SM" TO "INCREASE RNP 0.30 CAT A VISIBILITY TO 3/4 SM AND CAT B TO 7/8 SM" - VIS CK CALCULATION.
11. NOTES REMOVED CHART SPEED ICON AT AKOKE: MAX 200 KIAS -REMOVED IAF AKOKE.
12. ADDITIONAL FLIGHT DATA REMOVED ROUTE TYPE: A,H AND QUALIFIER 1: F, 2: S - NO LONGER REQUIRED.
13. ADDED TERMINAL ROUTES INITIALS: HUBAP, CIXOP, WIKUR, ZEPAS, YETUC, ALANA. - ATC REQUEST
14. ADDED TERMINAL ROUTE INTERMEDIATE: XUMWE, HAURY, ULAJY. - ATC REQUEST.
15. UPDATED TERMINAL ROUTE INITIAL WORUB, FROM WORUB TO ZITBO RF (2.80 NM RADIUS CW (CFPPX) 4.40 2500 TO WORUB TO XUMWE RF (2.17 N, RADIUS CW (CFFFH) 4.25 3200. - ATC REQUEST.
16. REMOVED TERMINAL ROUTE ZITBO - DEBRY - ATC REQUEST.
17. UPDATED TERMINAL ROUTE DEBRY - PERLY DISTANCE FROM 3.05 TO 3.20, CHANGED COURSE FROM 042.00 TO 041.97 - FIX DEBRY MOVED PER ATC REQUEST.
18. ADDED NOTES: CHART SPEED ICON IN PLANVIEW AT HUBAP: MAX 220 KIAS.
- CHART SPEED ICON IN PLANVIEW AT CIXOP: MAX 210 KIAS.
- CHART SPEED ICON IN PLANVIEW AT ZEPAS: MAX 210 KIAS.
- CHART SPEED ICON IN PLANVIEW AT ALANA: MAX 210 KIAS.
- CHART SPEED ICON IN PLANVIEW AT HAURY: MAX 210 KIAS. - ATC REQUEST.
19. ADDED ADDITIONAL FLIGHT DATA: CHART MANDATORY 7000 AT HUBAP.
- CHART MANDATORY 6000 AT ALANA.
- CHART MANDATORY 4000 AT HAURY - ATC REQUEST, PROVIDES STABILIZED DESCENT FOR TRANSITION FROM STAR TO TERMINAL ENVIROMENT.
20. ADDED TO NOTES: CHART PLANVIEW NOTE ADJACENT TO HUBAP IAF: RF REQUIRED.
- CHART PLANVIEW NOTE ADJACENT TO ALANA IAF: RF REQUIRED. - PBN REQUIREMENT.
21. UPDATED MINIMA RNP 0.30 DA: CAT A DA/HAT FROM 266/257 TO 259/250; CAT B DA/HAT FROM 287/278 TO 277/268, CAT C DA/HAT FROM 321/312 TO 432/423, CAT D DA/HAT FROM 575/566 TO 432/423- OBSTACLE EVALUATION.
22. UPDATED RNP 0.30 VIS CAT C FROM 1/2 TO 3/4 AND CAT D FROM 1 1/2 TO 3/4 - VIS CK CALCULATOR.
23. ADDED CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS. - .19H 8-6-7B(3).
24. ADDED PROCEDURE NA NOTE AT ALANA (IAF) ON V8-21 SOUTHBOUND AND ON V16 SOUTHEAST BOUND - TURNS EXCEED 90 DEGREES.



COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZHN, HCF APP CON, AMGR, USAF, HNL ATCT

FLIGHT CHECKED BY

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Dec 19, 2019

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