

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 8L	<u>ORIGINAL/AMENDMENT</u> 3	<u>CITY</u> HONOLULU	<u>STATE</u> HI
<u>AIRPORT ELEVATION</u> 13	<u>TDZE</u> 13	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 8L	<u>ORIGINAL/AMENDMENT</u> 2	<u>DATED</u> 04/27/2017	<u>MAG VAR</u> 11E
<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>	<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>
ZOBUX		SELIC		TF	FB	1.00	078.86	5.00	5000
SELIC	IAF	MAKOA		TF	FB	1.00	078.89	5.59	3100
MAKOA	IF	FGTRE	PFAF	TF	FB	1.00	078.97	3.20	2200
OOKAH	IF	XUSLY		TF	FB	1.00	259.02	3.80	4800
XUSLY		JIBNI		RF	FB	1.00	(2.60 NM RADIUS CW (CFNRN))	5.67	3000
JIBNI		FGTRE	PFAF	RF	FB	1.00	(2.60 NM RADIUS CW (CFNRN))	2.51	2200
FGTRE	PFAF	RW08L	MAP	TF	FO	0.30	078.95	6.70	
RW08L	MAP	420 MSL		CA			078.95		420
420 MSL		ALANA		DF	FO	1.00			3000

MISSED APPROACH

MAP:
 RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 420 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 MAKOA

3. FAC: 078.95

PFAF: FGTRE

DIST PFAF TO MAP:

DIST PFAF TO THLD:

4. MIN ALT: MAKOA 3100, FGTRE 2200

5. DIST TO THLD FROM PFAF: 6.70

MM:

IM:

150 HAT:

330 HAT: 0.87

GS ANT:

6. MIN GP INCPT: 2200

GP ALT AT PFAF : FGTRE 2200

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 55.7

8. MSA FROM: RW08L 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 OOKAH: RF REQUIRED.
CHART SPEED ICON IN PLANVIEW AT SELIC: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT OOKAH: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART MANDATORY 6000 AT OOKAH.
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	343	1/2	330	343	1/2	330	343	1/2	330	343	1/2	330			



CHANGES - REASONS

1. UPDATED LINE 2 PROFILE STARTS AT FROM JEMUD TO MAKOA - REMOVED IF JEMUD
2. UPDATED LINE 3 FAC FROM 078.96 TO 078.95 - FINAL ALIGNMENT.
3. PROFILE LINE 4 UPDATED MIN ALTITUDE FROM JEMUD 2300, ZIMIK 1600 TO MAKOA 3100, FGTRE 2200 - ATC REQUEST.
4. PROFILE LINE 4 ADDED DIST PFAF TO MAP 6.70 - ENTRY REQUIRED IAW .19H.
5. PROFILE LINE 5 ADDED DIST TO THLD 330 HAT: 0.87, REMOVED DISTANCE FROM 332 HAT 0.87 IN ADDITIONAL FLIGHT DATA - IAW .19H, SPECIFY DIST TO LOWEST DA.
6. PROFILE LINE 7 ADDED 20:1 IS CLEAR - ENTRY REQUIRED IAW .19H.
7. PROFILE LINE 7 REMOVED # FROM TCH VALUE, REMOVED # TCH 63.4 FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED.
8. UPDATED LINE 6 MIN GS INCPT FROM 1600 TO 2200 AND GS ALT AT FROM ZIMIK 1600 TO FGTRE 2200.
9. ADDED PBN REQUIREMENTS NOTE: RNP AR APCH - PBN NAV SPEC REQUIREMENT IAW .19H.
10. NOTES REMOVED "GPS REQUIRED" - NOTE NO LONGER REQUIRED.
11. 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 HAHRENHEIT VALUE IAW .19H.
12. NOTES UPDATED CHART PLANVIEW NOTE ADJACENT TO REEF OOKAH: RF REQUIRED - REMOVED REEF IAF.
13. NOTES REMOVED CHART SPEED ICON IN PLANVIEW AT XUSLY : MAX 210 KIAS. - REMOVED XUSLY
14. ADDITIONAL FLIGHT DATA REMOVED ROUTE TYPE: A,H AND QUALIFIER 1: F, 2: S - NO LONGER REQUIRED.
15. ADDITIONAL FLIGHT DATA ADDED CHART MANDATORY 6000 AT OOKAH. - CONNECTS TO STAR.
16. ADDED NOTES: CHART SPEED ICON IN PLANVIEW AT ZOBUX: MAX 210 KIAS.
- CHART SPEED ICON IN PLANVIEW AT OOKAH: MAX 210 KIAS - ATC REQUEST.
17. ADDED TERMINAL ROUTES FEEDER ZOBUX-SELIC - ATC REQUEST.
18. ADDED TERMINAL ROUTE IAF SELIC - MAKOA - ATC REQUEST
19. ADDED TERMINAL ROUTE IF MAKOA - FGTRE; OOKAH-XUSLY, XUSLY-JIBNI (RF), JIBNI-FGTRE (RF), CHANGED TURN RADIUS FOR CNF CFNRN FROM 2.73 NM TO 2.60 NM - ATC REQUEST, CRNRN RF TURN RADIUS CHANGED TO COMPLY WITH PBN RNP AR (8260.58A) DESIGN CRITERIA.
20. REMOVED TERMINAL ROUTE REEF-XUSLY, XUSLY-YUGUR, YUGUR-JEMUD, JEMUD-ZIMIK, ZIMIK-RW08L(MAP) - ATC REQUEST.
21. UPDATED RNP 0.30 DA ALL CATS DA/HAT FROM 345/332 TO 343/330 - OBSTACLE EVALUATION
22. UPDATED RNP 0.30 DA ALL CATS VIS FROM 5/8 TO ½ - VIS CK CALCULATOR.
23. ADDED CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS - IAW.19H 8-6-7B.3.B.
24. DELETED "CHART FAS OBST: 117 POLE 211952N/1575719W" FROM ADDITIONAL FLIGHT DATA - FAS OBSTACLES ARE CHARTED ON NONPRECISION PROCEDURES ONLY IAW 8260.19H, PARA 8-6-10D.
25. CHANGED DIST TO THLD FROM OM ON LINE 5 OF PROFILE DATA FROM 4.81 NM TO 6.07 NM - PFAF MOVED TO FACILITATE 2200 MSL GLIDE PATH INTERCEPT, AND DISTANCE TO THLD CHANGED AND DOCUMENTED IAW 8260.19H, PARA 8-6-7E.

11/6/2019: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/15/2019.
1. CHANGED ADDITIONAL FLIGHT DATA "CHART SPEED ICON IN PLANVIEW AT" FROM ZOBUZ TO SELIC: MAX 210 KIAS.

COORDINATED WITH:

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

Digitally signed by

FLIGHT CHECKED BY
JOHN KEARBY

DAVID DANNER
Dec 19, 2019

OFFICE
FICO

DATE
11/23/2019

Digitally signed by

DEVELOPED BY
HEIDI SNIDER

HEIDI SNIDER
Nov 06, 2019

OFFICE
AJV-A422

DATE
05/15/2019

APPROVED BY
MARLON ROBINSON

Digitally signed by
HEIDI SNIDER
Nov 07, 2019

OFFICE
AJV-A420

DATE

TITLE
MANAGER

