

**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.

AIRPORT ID HNL/PHNL	PROCEDURE NAME RNAV (RNP) Z RWY 8L	ORIGINAL/AMENDMENT 4A	CITY HONOLULU	STATE HI
AIRPORT ELEVATION 14	TDZE 14	SUPERSEDED RNAV (RNP) Z RWY 8L	DATED 05/16/2024	MAG VAR 11E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1990
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
ZOBUX		SELIC		TF	FB	1.00	078.86	5.00	4000
SELIC	IAF	MAKOA		TF	FB	1.00	078.91	5.59	3100
MAKOA	IF	FGTRE	PFAF	TF	FB	1.00	078.93	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	6.69	
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:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT FGTR
- FAC: 078.95 PFAF: FGTR DIST FAF TO MAP: DIST FAF TO THLD:
- MIN ALT: FGTR 2200
- DIST TO THLD FROM PFAF: 6.69 MM: IM: 150 HAT: 271 HAT: 0.68 GS ANT:
- MIN GP INCPT: 2200 GP ALT AT PFAF: FGTR 2200 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 55.7
- MSA FROM: RW08L 5300



PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM XUSLY OR JIBNI: RF

NOTES:

CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 17°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.15 DA ALL CATS VISIBILITY TO 7/8.

CHART SPEED ICON IN PLANVIEW AT SELIC: MAX 220 KIAS.
CHART SPEED ICON IN PLANVIEW AT MAKOA: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT OOKAH: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD S, RT, 351.00 INBOUND.
CHART MANDATORY 6000 AT OOKAH.

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												
AUTHORIZATION REQUIRED															
RNP 0.15 DA	285	1/2	271	285	1/2	271	285	1/2	271	285	1/2	271			
RNP 0.30 DA	347	1/2	333	347	1/2	333	347	1/2	333	347	1/2	333			

CHANGES - REASONS

1. TDZE AND APT ELEV CHANGED FROM 13 TO 14 - NEW AIRPORT SURVEY DATA UPDATE.
2. MINIMUM UPDATE: CHANGED RNP 0.15 HAT FROM 272 TO 271 - APT ELEV CHANGED FROM 13 TO 14.
3. MINIMUM UPDATE: CHANGED RNP 0.30 HAT FROM 334 TO 333 - APT ELEV CHANGED FROM 13 TO 14.
4. PROFILE LINE 5 UPDATE: CHANGED DIST TO THLD FROM "272 HAT: 0.68" TO "271 HAT: 0.68" - RNP 0.15 HAT CHANGED FROM 272 TO 271 PER NEW SURVEY/TARGETS RESULTS.
5. CHANGED PBN REQUIREMENTS NOTE FROM "RNP AR APCH - GPS" TO "RNP APCH - GPS. AUTHORIZATION REQUIRED. FROM XUSLY OR JIBNI: RF" - IAW 8260.19K, PARA 8-2-8D(5)(B)2.
6. REMOVED CHART PLANVIEW NOTE ADJACENT TO OOKAH: RF REQUIRED - NO LONGER REQUIRED. SEE PBN REQUIREMENTS NOTE.
7. PROFILE LINE 2 UPDATE: CHANGED "PROFILE STARTS AT" FROM MAKOA TO FGTR - IAW 8260.19K, PARA 8-2-7B(3)B.
8. PROFILE LINE 4 UPDATE: MIN ALT CHANGED FROM "MAKOA 3100, FGTR 2200" TO "FGTR" - PROFILE STARTS AT FGTR.
9. PROFILE LINE 5 UPDATE: DIST TO THLD FROM PFAF CHANGED FROM 6.70 TO 6.69 - DISTANCE RECALCULATION UPDATE PER NEW SURVEY DATA.
9. TERMINAL ROUTE UPDATE: CHANGED FGTR - RW08L DISTANCE FROM 6.70 TO 6.69 - PFAF DISTANCE TO THLD RECALCULATION UPDATE.



AIRPORT ID
HNL/PHNL

PROCEDURE NAME
RNAV (RNP) Z RWY 8L

ORIGINAL/AMENDMENT
4A

CITY
HONOLULU

STATE
HI

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

OTHER: ZHN, HCF APP CON, AMGR, USAF, HNL ATCT

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

DEVELOPED BY

KWEKU DONKOR

OFFICE

AJV-A433

DATE

08/19/2025

APPROVED BY

BEV L BORDY

OFFICE

AJV-A430

DATE

TITLE
MANAGER



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u> HNL/PHNL	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 8L	<u>AMDT NO.</u> 4A	<u>CITY</u> HONOLULU	<u>STATE</u> HI	<u>AIRPORT ELEVATION</u> 14	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

<u>FROM</u> ZOBUX	<u>TO</u> SELIC
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<u>RNP</u> 1.00	<u>DISTANCE</u> 5.00	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
SHIP	212000.86N/1581228.34W	208	50	20	2C	1000				AC20 AT2772	4000
TERRAIN	211929.78N/1581551.69W	0 (0)								AS1500	1500

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

INITIAL

<u>FROM</u> SELIC	<u>TO</u> MAKOA
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<u>RNP</u> 1.00	<u>DISTANCE</u> 5.59	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>
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OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	212133.00N/1580645.00W	1047	215	8	4B	1000				AT1045 AC8	3100
TERRAIN	212130.00N/1580712.00W	564 (600)								AS1500	2100

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



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AIRPORT ELEVATION
14

FACILITY
RNAV

INTERMEDIATE

FROM
MAKOA

TO
FGTRE

RNP
1.00

DISTANCE
3.20

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
AAO	212133.00N/1580645.00W	1047	215	8	4B	500				AC8 AT645	2200
TERRAIN	212130.00N/1580603.00W	843 (800)								AS1000	1800

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
OOKAH

TO
XUSLY

RNP
1.00

DISTANCE
3.80

PAT

MAP

HAT

HMAS

<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
SHIP	211454.20N/1580333.64W	208	215	8	4B	500				AC8 AT4084	4800
WATER	211451.00N/1580345.00W	0 (0)								AS1500	1500

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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AIRPORT ELEVATION
14

FACILITY
RNAV

INTERMEDIATE STEPDOWN

FROM
XUSLY **TO**
JIBNI

RNP 1.00 **DISTANCE** 5.67 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
STACK (15-000324)	211813.00N/1580623.00W	300	500	125	5E	500				AC125 AT2075	3000
TERRAIN	211818.00N/1580557.00W	13 (0)								AS1500	1500

COMPUTATIONS

RF SEGMENT XUSLY-JIBNI **ALT** 4800 **CIAS** 210 **KTAS** 231.54 **HAA** 4787.00 **VKTW** 32.17 **TR** 2.60 **BA** 21.26 **DTA** **COURSE CHANGE** 235.00 **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE** (CFNRN)/2.6 NM

SEGMENT REMARKS:

HISTORICAL WIND APPLIED TO INTERMEDIATE RF SEGMENTS XUSLY AND JIBNI.

INTERMEDIATE STEPDOWN

FROM
JIBNI **TO**
FGTRE

RNP 1.00 **DISTANCE** 2.51 **PAT** **MAP** **HAT** **HMAS**

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TREE	212130.00N/1580430.00W	825	215	8	4B	500				AC8	1333
TERRAIN	212118.00N/1580515.00W	721 (700)								AS1500	2200

COMPUTATIONS

RF SEGMENT JIBNI-FGTRE **ALT** 3000 **CIAS** 210 **KTAS** 225.28 **HAA** 2987.00 **VKTW** 31.99 **TR** 2.60 **BA** 20.33 **DTA** **COURSE CHANGE** 55.00 **DVEB** **VEB OCS** **RF CENTER FIX/DISTANCE** (CFNRN)/2.6 NM

SEGMENT REMARKS:

HISTORICAL WIND APPLIED TO INTERMEDIATE RF SEGMENTS XUSLUY AND JIBNI.



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AIRPORT ELEVATION
14

FACILITY
RNAV

FINAL

FROM
FGTRE

TO
RW08L

RNP
0.30

DISTANCE
6.69

PAT

MAP
DA

HAT
333

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
POLE (15-022276)	211952.18N/1575718.98W	114	20	10	1B		19.01:1			AC10	347

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL

FROM
FGTRE

TO
RW08L

RNP
0.15

DISTANCE
6.69

PAT

MAP
DA

HAT
271

HMAS

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
BUILDING (15-028039)	211910.60N/1575718.90W	63	250	50	4D		19.03:1			AC50	285

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



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AIRPORT ELEVATION
14

FACILITY
RNAV

MISSED APPROACH: LEVEL SURFACE

FROM
DA **TO**
ALANA

RNP
0.30-1.00

DISTANCE

PAT

MAP

HAT

HMAS
186

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
CRANE (15-023603)	211856.16N/1575315.28W	330	250	50	4D	1000					1400
TERRAIN	212030.00N/1575445.00W	72 (100)								AS1500	1600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LEVEL SURFACE

FROM
DA **TO**
ALANA

RNP
0.15

DISTANCE

PAT

MAP

HAT

HMAS
124

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
CRANE (15-023603)	211856.16N/1575315.28W	330	250	50	4D	1000					1400
TERRAIN	212030.00N/1575445.00W	72 (100)								AS1500	1600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING ALL CATS CAT A CAT B CAT C CAT D CAT E NOT AUTHORIZED



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14

FACILITY
RNAV

MSA

CENTER
RW08L

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	AAO	213030.00N/1580833.00W	304	15.6	4242	215	8	4B	1000			5300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

ZHN ARTCC, HCF TRACON, HNL TOWER

WX SERVICE
ASOS

LOCATION
HNL/PHNL

HRS OPERATION
24

ALTIMETER SOURCE
HNL/PHNL

DISTANCE

WMSCR
Y

ADJUSTMENTS
0

BACK-UP WX SERVICE

LOCATION

HRS OPERATION

ALTIMETER SOURCE

DISTANCE

WMSCR

ADJUSTMENTS

WX REMARKS:

ALTERNATE WX SOURCE NOT REQUIRED. REDUNDANT SOURCES ON FIELD.

PRIMARY NAVAID

MONITOR POINT

HRS OPERATION

CAT

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW04W		
RW08W		
RW22W		
RW26W		
RW04L - MIRL, REIL, PAPI-4L	NPI-G	
RW22R - MIRL, REIL	NPI-G	
RW04R - MALSR, HIRL, PAPI-4L	PIR-F	
RW26L - MALSF, HIRL, PAPI-4L	PIR-F	
RW08L - MALSR, HIRL, PAPI-4L	PIR-G	
RW08R - REIL, HIRL, PAPI-4L	PIR-G	
RW22L - REIL, HIRL, PAPI-4L	PIR-G	
RW26R - REIL, HIRL, PAPI-4L	PIR-G	

GLIDESLOPE ANGLE
3.00

ELEV RWY THRESHOLD
13.5

TCH
55.7

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE
3.00

TCH
72.6



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RNAV

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u> +17C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> +17C	<u>APT ISA</u> +14.97C
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CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2018-2022).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 955 HIGH TEMP 1260.

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - NA PNP PROCEDURE.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
APPROVAL LETTER FOR MANDATORY ALTITUDE AT AN IF.
60 FT VEGETATION AND 208 FT SHIP HEIGHT APPLIES PER FPT CHECKLIST.



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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.25
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	89.95
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	THLD	TO 1500FT POINT	8.30
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	89.93
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD COORDINATES (IF STR-IN) 211930.88N/1575636.16W
ARP COORDINATES 211904.17N/1575512.90W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 8R DISTANCE 1.58 NM
FAF COORDINATES 211930.68N/1580346.05W
FIX NAME COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
KWEKU DONKOR	AJV-A433	08/19/2025	AERONAUTICAL INFORMATION SPECIALIST

