

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
VOR OR TACAN STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.23**

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> HNL/PHNL	<u>PROCEDURE NAME</u> VOR OR TACAN RWY 8R	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> HONOLULU	<u>STATE</u> HI
<u>AIRPORT ELEVATION</u> 14	<u>TDZE</u> 10	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>
<u>FACILITY</u> HNL	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 11E <u>EPOCH YEAR</u> 1990 <u>CANCEL/SUSPEND</u>

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
HNL VORTAC		WINON/HNL 13.94 DME					255.18	13.94	4000
CKH VORTAC		WINON/HNL 13.94 DME					262.62	26.71	4900
MKK VORTAC		WINON/HNL 13.94 DME					268.44	57.44	4000
ALANA INT/HNL 13.94 DME CW	IAF	WINON/HNL 13.94 DME	NOPT				13.94 DME ARC		3000
WINON/HNL 13.94 DME	IF/IAF	MASHL/HNL 7.26 DME					075.18 (HNL R-255)	6.68	2100

**MISSED APPROACH**

**MAP:**

BUGII/HNL 0.87 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 3000 ON HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

1. **PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF**                      (IAF)
2. HOLD W WINON, RT, 075.18 INBOUND, 3000 IN LIEU OF PT (IAF), MAX 17000.
3. **FAC:** 075.18                      **FAF:** MASHL/HNL 7.26 DME                      **DIST FAF TO MAP:**                      **DIST FAF TO THLD:** 6.39
4. **MIN ALT:** MASHL/HNL 7.26 DME 2100
8. **MSA FROM:** HNL VORTAC 180-270 4000, 270-360 5300, 360-180 4400



**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.

**NOTES:**

CHART NOTE: CIRCLING RWY 22R NA AT NIGHT.  
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CIRCLING NA FOR CATS A AND B N OF RWY 08L AND NW OF RWY 22R. CIRCLING NA FOR CATS C, D, AND E N OF RWY 08L-26R

**ADDITIONAL FLIGHT DATA:**

HOLD S, RT, 351.00 INBOUND.  
FAS OBST: 208 SHIP 211744N/1575958W.  
CHART VDP AT 2.11 DME.  
DISTANCE VDP TO THLD 1.24 NM.  
CHART HNL R-171 AT ALANA.  
FAC CROSSES RWY C/L EXTENDED 3000 FT FROM THLD.  
MASHL TO RW8R: 3.00/55.

**MINIMUMS:**

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

**ALTERNATE:** NA  STANDARD - CAT C 900-2 1/4, CAT D 1300-3, CAT E 2000-3

<b><u>CATEGORY:</u></b>	<b><u>A</u></b>			<b><u>B</u></b>			<b><u>C</u></b>			<b><u>D</u></b>			<b><u>E</u></b>		
<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>												
S-08R	480	1	470	480	1	470	480	1 3/8	470	480	1 3/8	470	480	1 3/8	470
CIRCLING	680	1	666	680	1	666	820	2 1/4	806	1280	3	1266	1960	3	1946

**CHANGES - REASONS**

ORIGINAL PROCEDURE

**COORDINATED WITH:**

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

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

**FLIGHT CHECKED BY**

**OFFICE**

**DATE**

**DEVELOPED BY**

TIMOTHY JOHNSON

**OFFICE**

AJV-A431

**DATE**

09/10/2025

**APPROVED BY**

CASEY HILL

**OFFICE**

AJV-A431

**DATE**

**TITLE**  
MANAGER





**AIRPORT ID**  
HNL/PHNL

**PROCEDURE NAME**  
VOR OR TACAN RWY 8R

**AMDT NO.**  
ORIG

**CITY**  
HONOLULU

**STATE**  
HI

**AIRPORT ELEVATION**  
14

**FACILITY**  
HNL

**FEEDER**

**FROM**  
MKK VORTAC

**TO**  
WINON/HNL 13.94 DME

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**  
57.44

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
AAO	211939.00N/1574503.00W	2799	215	8	4B	2000				SA-967 AT168	4000
TERRAIN	210818.00N/1571003.00W	1420 (1400)								AS1500	2900

**COMPUTATIONS**

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

**SEGMENT REMARKS:**

**INITIAL: ARC**

**FROM**  
ALANA INT/HNL 13.94 DME CW

**TO**  
WINON/HNL 13.94 DME

**RNP**                      **DISTANCE**                      **PAT**                      **MAP**                      **HAT**                      **HMAS**

<b>OBSTRUCTION</b>	<b>COORDINATES</b>	<b>ELEV MSL</b>	<b>HORZ</b>	<b>VERT</b>	<b>AC</b>	<b>ROC</b>	<b>OCS</b>	<b>CG</b>	<b>CGTA</b>	<b>ADJUSTMENTS</b>	<b>MIN ALT</b>
SHIP	211459.48N/1580823.17W	208	50	20	2C	1000				AT1792	3000
TERRAIN	211748.00N/1580627.00W	3 (0)								AS1500	1500

**COMPUTATIONS**

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

**SEGMENT REMARKS:**









**AIRPORT ID**  
HNL/PHNL

**PROCEDURE NAME**  
VOR OR TACAN RWY 8R

**AMDT NO.**  
ORIG

**CITY**  
HONOLULU

**STATE**  
HI

**AIRPORT ELEVATION**  
14

**FACILITY**  
HNL

**PRIMARY NAVAID**  
HNL VORTAC

**MONITOR POINT**  
POCC

**HRS OPERATION**  
24

**CAT**  
1

<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>	<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
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 - HIRL, REIL, PAPI-4L	PIR-G	
RW26R - HIRL, REIL, PAPI-4L	PIR-G	

GLIDESLOPE ANGLE

ELEV RWY THRESHOLD

TCH

ELEV GS ANTENNA

DISTANCE FROM RWY

VGSI ANGLE

TCH

3.00

75.0

**FINAL APPROACH COURSE AIMING**

RUNWAY THRESHOLD  
ON CENTERLINE

3000 FT FROM THRESHOLD  
FT FROM CENTERLINE

DISPLACED THRESHOLD DISTANCE

**CRITICAL TEMPERATURES**

CRITICAL LOW

CRITICAL HIGH

ACT

APT ISA

**CRITICAL TEMPERATURE REMARKS:**

**"VISUAL PORTION OF FINAL" PENETRATIONS**

FINAL TYPE	CIRCLING RWY 22R
20:1	
22 VEGETATION (15-020653) 211951.9900N/1575422.9200W (2.18)	
<b>PENETRATIONS REMARKS:</b>	



**HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS**

and/or

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

**PENETRATIONS REMARKS:**

**PART C: GENERAL REMARKS:**

VEGETATION HEIGHT: 60 FT.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

SHIP HEIGHT OF 208', PER FPT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

**PART D: AIRSPACE**

**DOCKET #**

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

<b>DISTANCE FROM</b>	THLD	<b>TO 1000FT POINT</b>	3.06
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1000FT POINT</b>	2.31
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	086.18
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1000FT POINT</b>	100
<b>DISTANCE FROM</b>	THLD	<b>TO 1500FT POINT</b>	5.39
<b>WIDTH OF</b>	FINAL	<b>SEGMENT AT 1500FT POINT</b>	2.54
<b>TRUE COURSE OF</b>	FINAL	<b>SEGMENT CONTAINING 1500FT POINT</b>	086.18
<b>HIGH TERRAIN IN</b>	FINAL	<b>SEGMENT CONTAINING 1500FT POINT</b>	100

<b>THRESHOLD COORDINATES (IF STR-IN)</b>	211824.49N/1575645.06W
<b>ARP COORDINATES</b>	211904.17N/1575512.90W
<b>RUNWAY APCH END AND DIST FURTHEST FROM ARP</b>	RUNWAY 8R DISTANCE 1.58 NM
<b>FAF COORDINATES</b>	211800.67N/1580334.91W
<b>FIX NAME COORDINATES</b>	

**REMARKS**

**PART E: PREPARED BY**

<b>NAME</b>	<b>OFFICE</b>	<b>DATE</b>	<b>TITLE</b>
TIMOTHY JOHNSON	AJV-A431	09/10/2025	AERONAUTICAL INFORMATION SPECIALIST

