

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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 ILS RWY 8L	ORIGINAL/AMENDMENT 25	CITY HONOLULU	STATE HI
AIRPORT ELEVATION 13	TDZE 13	SUPERSEDED ILS RWY 8L	ORIGINAL/AMENDMENT 24A	DATED 07/16/2020
FACILITY I-HNL	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE ROUTINE	MAG VAR 11E
				EPOCH YEAR 1990
				CANCEL/SUSPEND

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
OOKAH	IAF	PAKOE		TF	FB	1.00	259.03	12.59	4200
PAKOE		SELIC		TF	FB	1.00	348.95	5.20	4000
BOOKE/LIH 58.00 DME/RADAR	IAF	SELIC/I-HNL 17.46 DME/RADAR					110.27	15.30 (LIH R-110)	4000
SELIC/I-HNL 17.46 DME/RADAR	IF	FGTRE/I-HNL 8.85 DME/RADAR	PFAF				078.99	8.79 (I-HNL)	2200

MISSED APPROACH

MAP:
ILS: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 200 AND HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 140 AND CKH VORTAC R-218 TO ALANA INT/CKH 17.44 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

PROFILE:

- PT** SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT SELIC/I-HNL 17.46 DME/RADAR
- FAC:** 078.99 **PFAF:** FGTRE/I-HNL 8.85 DME/RADAR **DIST PFAF TO MAP:** **DIST PFAF TO THLD:**
- MIN ALT:** SELIC/I-HNL 17.46 DME/RADAR 4000, FGTRE/I-HNL 8.85 DME/RADAR 2200
- DIST TO THLD FROM OM:** 5.92 **MM:** **IM:** **150 HAT:** **GS ANT:** 1052
- MIN GS INCPT:** 2200 **GS ALT AT PFAF:** FGTRE/I-HNL 8.85 DME/RADAR 2200 **OM:** 1953 **MM:** **IM:**
- GS ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 55.7
- MSA FROM:** HNL VORTAC 180-270 4000, 270-360 5300, 360-180 4400



PBN REQUIREMENTS NOTE:

RNP APCH-GPS. FROM OOKAH.

EQUIPMENT REQUIREMENTS NOTES:

DME OR RADAR REQUIRED.

NOTES:

CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART PROFILE NOTE: USE I-HNL DME WHEN ON THE LOCALIZER COURSE.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT BOOKE ON V15 NORTHWEST BOUND.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE CAT E VISIBILITY TO 3/4 SM.
CHART NOTE: OOKAH TRANSITION NA FOR CAT E AIRCRAFT.
CHART PLANVIEW NOTE: WHEN GS NOT USED, USE LOC RWY 8L PROCEDURE.
CHART NOTE: CAT E RESTRICTED TO USAF/USN AIRCRAFT.
CHART SPEED ICON IN PLANVIEW AT OOKAH: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT SELIC: MAX 220 KIAS.

ADDITIONAL FLIGHT DATA:

CHART OM IN HALF-TONE
CHART IN PLANVIEW: SELIC/LIH 73.3 DME.

HOLD S, RT, 351.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW ALANA INT/CKH 17.44 DME, RT, 038.45 INBOUND.
CHART MANDATORY 6000 AT OOKAH.

MINIMUMS:

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

ALTERNATE: NA STANDARD

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
S-ILS 08L	213	1/2	200	213	1/2	200	213	1/2	200	213	1/2	200	213	1/2	200



CHANGES - REASONS

1. CHANGED INITIAL RNAV TRANSITION FROM "OOKAH-WRITS-JEVITS" TO "OOKAH-PAKOE-SELIC" - FPT REQUEST, MIRRORS RNAV 8L.
2. CHANGED INTERMEDIATE FROM "JEVIT-COZES-FGTRE" TO "SELIC-FGTRE" - ATC REQUEST FOR AIRSPACE MODERNIZATION.
3. CHANGED PROFILE LINE 2 FROM "PROFILE STARTS AT JEVIT" TO "PROFILE STARTS AT SELIC" - IAW 8260.19I 8-6-7.
4. CHANGED PROFILE LINE 4 MIN ALT FROM "JEVIT/14.64 DME 3500, COZES/10.65 DME 2700, FGTRE/8.85 DME/RADAR 2200" TO "SELIC/I-HNL 17.46 DME/RADAR 3600, FGTRE/I-HNL 8.85 DME/RADAR 2200" - IF CHANGED TO SELIC.
5. CHANGED PROFILE LINE 6 OM FROM "1983" TO "1953" - NEW AIRNAV DATA.
6. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 5000 ON HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000" TO "CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 200 AND HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000" - CHANGED TO SAME AS LOC RWY 8L.
7. CHANGED PBN REQUIREMENT NOTE FROM "FROM OOKAH: RNAV 1-GPS REQUIRED" TO "RNP APCH-GPS. FROM OOKAH." - IAW 8260.19I 8-6-8 (C) 2 (D).
8. ADDED NOTE "CHART SPEED ICON IN PLANVIEW AT SELIC: MAX 220 KIAS" - REQUIRED FOR KAENA STAR END POINT.
9. ADDED CHART NOTE: "CAT E RESTRICTED TO USAF/USN AIRCRAFT" - FPT REQUEST FOR SELIC SPEED RESTRICTION.
10. CHANGED INITIAL BOOKE TO SELIC ALTITUDE FROM "5000" TO "3600" - ATC REQUEST.
11. REMOVED FROM ADDITIONAL FLIGHT DATA "CHART IN PLANVIEW: ALANA INT/CKH 17.44 DME" - IAW 8260.19I 8-6-6(H)2.
12. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM "CHART IN PLANVIEW: SELIC/I-HNL 17.64 NM" TO "CHART IN PLANVIEW: SELIC/LIH 73.3 DME" - I-HNL LISTED ON PROFILE LINE 4.
13. CHANGED ALTERNATE MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 140 AND CKH VORTAC R-218 TO ALANA INT/CKH 17.44 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000 (DME REQUIRED)" TO "CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 5000 ON HEADING 140 AND CKH VORTAC R-218 TO ALANA INT/CKH 17.44 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000" - INTERSECTION, DME NOT REQUIRED.

04\03\24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/13/23.

1. TERMINAL ROUTE PAKOE TO SELIC ALTITUDE CHANGED FROM "3600" TO "4000" - PER FLIGHT CHECK RESULTS.
2. TERMINAL ROUTE BOOKE/LIH 58.00 DME/RADAR TO SELIC/I-HNL 17.46 DME/RADAR ALTITUDE CHANGED FROM "3600" TO "4000" - PER FLIGHT CHECK RESULTS.
3. LINE 4 MIN ALT: SELIC/I-HNL 17.46 DME/RADAR ALTITUDE CHANGED FROM "3600" TO "4000" - PER FLIGHT CHECK RESULTS.

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZHN, HI AERO, AMGR, HCF APP CON, HNL ATCT

FLIGHT CHECKED BY

JAMES MICHAEL HAWLEY

OFFICE

FIOG

DATE

03/29/2024

DEVELOPED BY

JOHN BORDY (DANIEL WESTON)

OFFICE

AJV-A422

DATE

12/13/2023

APPROVED BY

JOHN BORDY

OFFICE

AJV-A33

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> ILS RWY 8L	<u>AMDT NO.</u> 25	<u>CITY</u> HONOLULU	<u>STATE</u> HI	<u>AIRPORT ELEVATION</u> 13	<u>FACILITY</u> I-HNL
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PART A: OBSTRUCTION DATA SEGMENTS

INITIAL
FROM OOKAH **TO** PAKOE

<u>RNP</u> 1.00	<u>DISTANCE</u> 12.59	<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
SHIP	211451.00N/1580851.00W	208	50	20	2C	1000				AT2992	4200
WATER	211451.00N/1580851.00W	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: STEPDOWN

FROM PAKOE **TO** SELIC

<u>RNP</u> 1.00	<u>DISTANCE</u> 5.20	<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	211653.52N/1581310.88W	208	50	20	2C	1000				AT2792	4000
WATER	211653.52N/1581310.88W	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:



AIRPORT ID
HNL/PHNL

PROCEDURE NAME
ILS RWY 8L

AMDT NO.
25

CITY
HONOLULU

STATE
HI

AIRPORT ELEVATION
13

FACILITY
I-HNL

MISSED APPROACH ALTERNATE: ILS

FROM
DA

TO
ALANA INT/CKH 17.44 DME

RNP **DISTANCE** **PAT** **MAP** **HAT** **HMAS**
44

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				5000
AAO	211536.00N/1574842.00W	932	50	20	2C	1000					2000
TERRAIN	211536.00N/1574842.00W	732 (700)								AS1500	2200

COMPUTATIONS

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

SEGMENT REMARKS:

MSA

CENTER **RADIUS**
HNL VORTAC 25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
180-270	TOWER (15-020029)	212412.00N/1580552.80W	290	11.0	3000	500	125	5E	1000			4000
270-360	AAO	213030.00N/1580833.00W	304	16.9	4242	215	8	4B	1000			5300
360-180	AAO	212130.00N/1574718.00W	058	08.5	3336	215	8	4B	1000			4400

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



AIRPORT ID
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STATE
HI

AIRPORT ELEVATION
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FACILITY
I-HNL

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

HNL TOWER, HCF TRACON, ZHN ARTCC

WX SERVICE ASOS	LOCATION HNL/PHNL	HRS OPERATION 24	ALTIMETER SOURCE HNL/PHNL	DISTANCE 0	SERVICE-A Y	ADJUSTMENTS 0
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BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
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WX REMARKS:

BACK-UP ALTIMETER SOURCE NOT ESTABLISHED. REDUNDANT WEATHER SOURCES AT AIRPORT.

PRIMARY NAVAID I-HNL	MONITOR POINT HNL ATCT	HRS OPERATION 24	CAT 1
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APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW04W		
RW08W		
RW22W		
RW26W		
RW04L - REIL, MIRL, PAPI-4L	NPI-G	
RW22R - MIRL, REIL	NPI-G	
RW04R - MALSR, HIRL, PAPI-4L	PIR-F	
RW08L - MALSR, HIRL, PAPI-4L	PIR-F	
RW26L - MALSF, HIRL, PAPI-4L	PIR-F	
RW26R - REIL, HIRL, PAPI-4L	PIR-F	
RW08R - HIRL, REIL, PAPI-4L	PIR-G	
RW22L - HIRL, REIL, PAPI-4L	PIR-G	

GLIDESLOPE ANGLE 3.00	ELEV RWY THRESHOLD 11.8	TCH 55.7	ELEV GS ANTENNA 6.7	DISTANCE FROM RWY 1052	VGSI ANGLE 3.00	TCH 70.8
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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

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:



"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:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

60' VEGETATION HEIGHT PER FPT.

208' SHIPS OVER WATER AND IN PEARL HARBOR CHANNEL.

WAIVER: 220 KIAS SPEED RESTRICTION AT SELIC, CAT E RESTRICTED TO USAF/USN AIRCRAFT.

MISSED HOLDING: W-191 IS SFC-3000, W-196 IS SFC-2000 AND IS NO FACTOR TO MISSED HOLDING PATTERNS.

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	3.24
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	0.92
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	089.99
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	100
DISTANCE FROM	THLD	TO 1500FT POINT	12.89
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	6.52
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	089.99
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	800

THRESHOLD COORDINATES (IF STR-IN)

211930.88N/1575635.66W

ARP COORDINATES

211904.14N/1575512.82W

RUNWAY APCH END AND DIST FURTHEST FROM ARP

RUNWAY 8R DISTANCE 1.58 NM

FAF COORDINATES

211930.68N/1580346.05W

FIX NAME COORDINATES

REMARKS

PART E: PREPARED BY

NAME

JOHN BORDY (DANIEL WESTON)

OFFICE

AJV-A422

DATE

12/13/2023

TITLE

AERONAUTICAL INFORMATION SPECIALIST