

**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.

<u>AIRPORT</u> DANIEL K INOUYE INTL	<u>AIRPORT ID</u> PHNL	<u>PROCEDURE NAME</u> ILS Y 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SUPERSEDED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> ILS Y RWY 4R	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 04/27/2017	<u>MAG VAR</u> 11E	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> I-IUM	<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>
ALANA/HNL 13.94 DME CW	IAF	YEPGU/I-IUM 15.94 DME					13.94 DME ARC (HNL LR-214)		3000
HUBAP	IAF	HOGRO		TF	FB	1.00	221.99	10.82	4200
HOGRO		YEPGU		TF	FB	1.00	311.92	4.34	3000
YEPGU/I-IUM 15.94 DME	IF	DEBRY/I-IUM 9.36 DME					042.01	6.58 (I-IUM)	2000
DEBRY/I-IUM 9.36 DME		PERLY/I-IUM 6.16 DME	PFAF				042.01	3.20 (I-IUM)	1500

MISSED APPROACH

MAP:

ILS: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 540 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 220 AND ON HNL VORTAC R-171 TO ALANA INT/HNL 13.94 DME AND HOLD. *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 318 FT PER NM TO 1820. (IF UNABLE TO MEET CLIMB GRADIENT USE S-ILS 04R MINIMUMS).

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 540 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 170 AND ON CKH VORTAC R-218 TO ALANA/CKH 17.44 DME AND HOLD. (DME REQUIRED) *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 318 FT PER NM TO 1820. (IF UNABLE TO MEET CLIMB GRADIENT USE S-ILS 04R MINIMUMS).



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT YEPGU

3. FAC: 042.01 PFAF: PERLY/I-IUM 6.16 DME DIST PFAF TO MAP: DIST PFAF TO THLD:

4. MIN ALT: YEPGU/I-IUM 15.94 DME 3000, DEBRY/I-IUM 9.36 DME 2000, PERLY/I-IUM 6.16 DME 1500

5. DIST TO THLD FROM PFAF: 4.51 MM: IM: 150 HAT: GS ANT: 1050

6. MIN GS INCPT: 1500 GS ALT AT PFAF : PERLY/I-IUM 6.16 DME 1500 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: 20:1: TCH: 55.4

8. MSA FROM: HNL VORTAC 360-180 4400, 180-270 4000, 270-360 5300

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.
FROM HUBAP: RNAV 1-GPS REQUIRED.
DME OR RADAR REQUIRED FOR PROCEDURE ENTRY

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ALANA ON V16 EASTBOUND.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-ILS 04R ALL CATS VISIBILITY TO 7/8 SM.
CHART MANDATORY 7000 AT HUBAP.
CHART SPEED ICON IN PLANVIEW AT HUBAP: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART HNL R-171 AT ALANA.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SW ALANA, RT, 038.45 INBOUND.
HOLD S, RT, 351.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☐ ILS: 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
S-ILS 04R*	209	1/2	200	209	1/2	200	209	1/2	200	209	1/2	200			
S-ILS 04R	308	1/2	299	308	1/2	299	308	1/2	299	308	1/2	299			



CHANGES - REASONS

- 1. REMOVED CAT E LINE OF MINIMA - PER FPT CHECKLIST.
- 2. ADDED IAF SEGMENT FROM WP HUBAP TO WP HOGRO - PER FPT CHECKLIST TO CONNECT WITH INOYA STAR.
- 3. ADDED IAF SDF SEGMENT FROM HOGRO TO YEPGU - PER FPT CHECKLIST.
- 4. REMOVED CHART PLANVIEW NOTE "DME OR RADAR REQUIRED" AND ADDED "DME REQUIRED" AND "DME OR RADAR REQUIRED FOR PROCEDURE ENTRY" TO EQUIPMENT REQUIREMENTS NOTES - MOVED PLANVIEW NOTE TO EQUIPMENT REQUIREMENTS SECTION.
- 5. ADDED "CHART SPEED ICON IN PLANVIEW AT HUBAP: MAX 210 KIAS" - ADDED 210 SPEED RESTRICTION AT HUBAP TO MATCH INOYA STAR.
- 6. CHANGED AND RAISED LINE OF MINIMA FROM S-ILS 4R DA 281/HAT 272 TO S-ILS 4R DA 308/HAT 299 - NEW MISSED APPROACH CONTROLLING OBSTACLE DUE TO RAISING THE CA FROM 480 TO 540, APPLIED AAOS FROM MAP STUDY.
- 7. ADDED INTERMEDIATE STEP DOWN SEGMENT FROM FIX YEPGU TO FIX DEBRY - PER FPT CHECKLIST.
- 8. ADDED EQUIPMENT REQUIREMENTS NOTE: FROM HUBAP: RNAV 1-GPS REQUIRED - IAW FAAO 8260.19H, PARA 8-6-8.A.(6).(B).
- 9. UPDATED MISSED APPROACH AND ALTERNATE MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 480, CAT E CLIMB TO 760 THEN CLIMBING RIGHT TURN" TO "CLIMB TO 540, THEN CLIMBING RIGHT TURN" - CA LEG FOR CATS A-D RAISED IAW FAAO 8260.58A, ATTACHMENT 7, CAT E MINIMUMS REMOVED PER FPT CHECKLIST.
- 10. REMOVED "CHART NOTE: *MISSED APPROACH REQUIRES MINIMUM CLIMB OF 335 FEET PER NM TO 2000" - THIS UPDATED INFORMATION NOW IS LISTED IMMEDIATELY FOLLOWING THE MISSED APPROACH INSTRUCTIONS: "**MISSED APPROACH REQUIRES A MINIMUM CLIMB OF 318 FEET PER NM TO 1820; IF UNABLE TO MEET CLIMB GRADIENT USE S-ILS 04R MINIMA" - IAW FAAO 8260.19H, PARA 8-6-6.F.
- 11. CHANGED CHART PLANVIEW NOTE FROM "PROCEDURE NA FOR ARRIVAL AT ALANA ON V16 EASTBOUND" TO "PROCEDURE NA FOR ARRIVALS AT ALANA ON V16 EASTBOUND - ADDED AN "S" IAW FAAO 8260.19H, PARA 8-2-5.G., TURN AT ALANA EXCEEDS 120 DEGREES.
- 12. CHANGED CHART NOTE FROM: "FOR INOPERATIVE ALS, INCREASE S-ILS 4R CAT A, B, C, D VISIBILITY TO 7/8 SM AND INCREASE CAT E VISIBILITY TO 1 7/8 SM" TO "FOR INOPERATIVE ALS, INCREASE S-ILS 4R ALL CATS VISIBILITY TO 7/8 SM" - CAT E MINIMUMS REMOVED PER FPT CHECKLIST.
- 13. ADDED A4A TO REQUIRED CHARTING - AIRPORT IS SERVICED BY AIR CARRIERS IAW FAAO 8269.19H, PARA 8-6-13.A.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHN, HNL ATCT, AMGR, USAF.

<u>FLIGHT CHECKED BY</u> JOHN KEARBY	<i>Digitally signed by</i> DAVID DANNER Dec 03, 2019	<u>OFFICE</u> FICO	<u>DATE</u> 11/23/19	
<u>DEVELOPED BY</u> WILLIAM HANBY	<i>Digitally signed by</i> WILLIAM HANBY Jul 31, 2019	<u>OFFICE</u> AJV-A422	<u>DATE</u> 06/01/2019	
<u>APPROVED BY</u> MARLON ROBINSON	<i>Digitally signed by</i> DAVID DANNER Dec 03, 2019	<u>OFFICE</u> AJV-A420	<u>DATE</u>	<u>TITLE</u> MANAGER

