

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
RICHE	THREE	RICHE3.BOOKE	TWO	08/25/1988	23FEB2023

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**DP ROUTE DESCRIPTION:**

TAKEOFF RWY 17: CLIMBING LEFT TURN HEADING 150.00 TO 4000, THENCE...

TAKEOFF RWY 21: CLIMBING LEFT TURN HEADING 090.00 TO 4000, THENCE...

...EXPECT RADAR VECTORS TO INTERCEPT LIH VORTAC R-110 EASTBOUND TO BOOKE/LIH 58.00 DME FIX, MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
------------------------	-------------------------------------	----------------------------	--------------------------	---------------	-----------------	------------	-------------	------------------------------------

**PROCEDURAL DATA NOTES:**

NOTE: RADAR REQUIRED.

NOTE: DME REQUIRED.

**TAKEOFF MINIMUMS:**

RWY 17: STANDARD.

RWY 21: STANDARD WITH MINIMUM CLIMB OF 720 FT PER NM TO 2100.

**TAKEOFF OBSTACLES NOTES:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

**CONTROLLING OBSTACLES:**

RWY 21: 1488 FT MSL TREE 215612.00N/1592215.00W (CLIMB GRADIENT). 1650 FT MSL TREE 215548.04W/1592247.83W (CLIMB-TO ALTITUDE).

**LOST COMMUNICATIONS PROCEDURES:**

IF NOT IN CONTACT WITH HCF 1 MINUTE AFTER DEPARTURE MAINTAIN SID HEADING UNTIL 10 NM EAST OF LIH VORTAC, THEN INTERCEPT LIH R-110 TO BOOKE DME FIX.

**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE: ASSIGNED BY ATC.

REFERENCE MAG VAR: PHLI 11E, EPOCH YR: 1990

CHART: HOLDING PATTERN AT BOOKE, HOLD W, LT, 110.00 INBOUND.

CHART: V15 AND MEA.

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
LIHUE	PHLI	LIHUE	HI

**COMMUNICATIONS:**

CTAF, HCF.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
RICHE	THREE	RICHE3.BOOKE	TWO	08/25/1988	<b>23FEB2023</b>

**FIXES AND/OR NAVAIDS:****REMARKS:**

LETTER OF APPROVAL REQUESTED AUTHORIZING CLIMB GRADIENT IN EXCESS OF 500 FT PER NM FOR AIRCRAFT DEPARTING RWY 21.

**FLIGHT INSPECTED BY**

DUSTIN D HANSON

*Digitally signed by*  
**JON DENTON**  
Oct 21, 2021

<u>OFFICE</u>	<u>DATE</u>
FPO	10/15/2021

**DEVELOPED BY**

JON DENTON (GORDON LEMON)

*Digitally signed by*  
**JON DENTON**  
Oct 21, 2021

<u>OFFICE</u>	<u>DATE</u>
AJV-A432	11/30/2020

**APPROVED BY**

LONNIE EVERHART

*Digitally signed by*  
**JON DENTON**  
Oct 21, 2021

<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
AJV-A430		MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHN, HCF, AMGR.

**CHANGES - REASONS:**

1. ADDED TO PROCEDURAL DATA NOTES "RADAR REQUIRED" - FDC NOTAM 8/7942 INCORPORATED, IAW FAAO 8260.46G, 2-1-1 F (3).
2. UPDATED TAKEOFF MINIMUMS AND CONTROLLING OBSTACLES WITH NEW PHLI ODP DATA - PER 8260-15B DOCUMENTATION REQUIREMENTS.
3. CHANGED TAKEOFF OBSTACLES NOTES: TO "SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)." - IAW 8260.46G APPENDIX E, SEC 1, PARA 7.
4. ADDED ADDITIONAL FLIGHT DATA "REFERENCE MAG VAR: PHLI 11E, EPOCH YR: 1990" - IAW FAAO 8260.46G APPENDIX D, SECTION 2 PARAGRAPH 10-B.
5. CHANGED COMPUTER CODE NUMBER FROM 2 TO 3 - REQUIRED FOR AMENDMENTS
6. CHANGED DP ROUTE DESCRIPTION RWY 17 FROM "CLIMB RUNWAY HEADING TO 500 FT, THEN CLIMBING LEFT TURN TO HEADING 150, EXPECT RADAR VECTORS TO INTERCEPT LIHUE 110 RADIAL TO BOOKE DME FIX, MEA 5,000" TO "CLIMBING LEFT TURN HEADING 150.00 TO 4000, THENCE... EXPECT RADAR VECTORS TO INTERCEPT LIH VORTAC R-110 EASTBOUND TO BOOKE/LIH 58.0 DME FIX, MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE. - IAW FAAO 8260.46G SECTION 2, NEW EVALUATION, ATC/FTP APPROVAL.
7. CHANGED DP ROUTE DESCRIPTION RWY 21 FROM "IMMEDIATE CLIMBING LEFT TURN TO HEADING 120 UNTIL CROSSING LIH 150 RADIAL, THENCE FLY HEADING 150, EXPECT RADAR VECTOR TO INTERCEPT LIHUE 110 RADIAL TO BOOKE DME FIX. MEA 5,000" TO "CLIMBING LEFT TURN HEADING 090.00 TO 4000, THENCE... EXPECT RADAR VECTORS TO INTERCEPT LIH VORTAC R-110 EASTBOUND TO BOOKE/LIH 58.00 DME FIX, MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE. - IAW FAAO 8260.46G SECTION 2, NEW EVALUATION, ATC/FTP APPROVAL.
8. ADDED ADDITIONAL FLIGHT DATA CHART: TOP ALTITUDE: ASSIGNED BY ATC. - IAW FAAO 8260.46G PARAGRAPH 3-1-1 L (6).
9. CHANGED MEA FOR V15 LIH TO BOOKE FIX FROM 5000 TO 4000 IN ALL DESCRIPTIONS - IAW CURRENTLY PUBLISHED V15 MEA.
10. ADDED ADDITIONAL CHARTING HOLDING INSTRUCTIONS TO ADDITIONAL FLIGHT DATA. - 8260.46G APPENDIX D SECTION 2 PARAGRAPH 10.
11. CHANGED LOST COMMUNICATIONS PROCEDURE FROM "IF NOT IN CONTACT WITH HONOLULU CERAP 1 MINUTE AFTER DEPARTURE, MAINTAIN SID HEADING UNTIL 10 NM SOUTHEAST OF LIH VORTAC THEN INTERCEPT LIH R-110 TO BOOKE DME FIX MEA 5,000" TO "IF NOT IN CONTACT WITH HCF 1 MINUTE AFTER DEPARTURE MAINTAIN SID HEADING UNTIL 10 NM EAST OF LIH VORTAC, THEN INTERCEPT LIH R-110 TO BOOKE DME FIX" - IAW ATC COORDINATED REQUIREMENTS.
12. CHANGED COMMUNICATIONS FROM "CHART COMMUNICATIONS FOR ATIS, GROUND CONTROL, TOWER, CTAF, HONOLULU, CERAP" TO "CTAF, HCF" - IAW 8260.46G FORMATS, CURRENT ATC CONVENTIONS.
13. ADDED REMARK: LETTER OF APPROVAL REQUESTED AUTHORIZING CLIMB GRADIENT IN EXCESS OF 500 FT PER NM FOR AIRCRAFT DEPARTING RWY 21 - AFS APPROVAL REQUEST NEEDED DUE TO EXCESSIVE CLIMB GRADIENT.

QUALITY  
5  
CHECKED