### 12/23/2020

# 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 statue miles or feet RVR unless otherwise indicated.

DP NAM	IE					<u>NUMBER</u>	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
KEOLA						THREE	KEOLA3.KEOLA	TWO	01/06/1994	25FEB2021
TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV					
			$\boxtimes$							

## **DP ROUTE DESCRIPTION:**

TURN RIGHT/LEFT TO HEADING ASSIGNED BY THE TOWER, EXPECT VECTORS TO KEOLA, MAINTAIN 5000; THEN ON TRANSITION. EXPECT CLEARANCE TO ENROUTE ALTITUDE/FLIGHT LEVEL AT KFOLA.

## TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION COMPUTER CODE	FROM FIX/NAVAID	<u>TO</u> FIX/NAVAID	COURSE	DISTANCE	<u>MEA</u>	MOCA	CROSSING ALTITUDE/FIXES
KEOLA3.LIH	KEOLA	GRAIL	290.97 (SOK R-111)	24.31	9000		
	GRAIL	NAPUA	290.89 (SOK R-111)	25.33	6000		
	NAPUA	LIH VORTAC	328.03 (LIH R-148)	14.66	4000		
KEOLA3.LILIA	KEOLA	LILIA	282.31	187.09	8000		
KEOLA3.NONNI	KEOLA	LEANE	258.00 (HNL R-258)	68.61	16000		
	LEANE	NONNI	258.00 (HNL R-258)	74.87	FL290		
KEOLA3.PUPPI	KEOLA	PUPPI	271.39	182.15	14000		
KEOLA3.SOK	KEOLA	GRAIL	290.97 (SOK R-111)	24.31	9000		
	GRAIL	NAPUA	290.89 (SOK R-111)	25.33	6000		
	NAPUA	SOK VORTAC	290.72 (SOK-111)	18.68	5000		
KEOLA3.KATHS	KEOLA	LEANE	258.00 (HNL R-258)	68.61	16000		
	LEANE	NONNI	258.00 (HNL R-258)	74.87	FL290		
	NONNI	KATHS	234.00 (SOK R-234)	20.93	FL290		
	COMPUTER CODE KEOLA3.LIH KEOLA3.LILIA KEOLA3.NONNI KEOLA3.PUPPI KEOLA3.SOK	COMPUTER CODEFIX/NAVAIDKEOLA3.LIHKEOLAGRAILGRAILNAPUAKEOLAKEOLA3.LILIAKEOLAKEOLA3.NONNIKEOLAKEOLA3.PUPPIKEOLAKEOLA3.SOKKEOLAKEOLA3.SOKGRAILKEOLA3.KATHSKEOLALEANELEANEKEOLA3.KATHSKEOLA	COMPUTER CODEFIX/NAVAIDKEOLA3.LIHKEOLAGRAILGRAILGRAILNAPUALIH VORTACLIH VORTACKEOLA3.LILIAKEOLAKEOLA3.NONNIKEOLALEANENONNIKEOLA3.PUPPIKEOLAKEOLA3.SOKKEOLAGRAILOGRAILKEOLA3.SOKKEOLAKEOLA3.KATHSKEOLALEANENONNILEANENONNIKEOLA3.KATHSKEOLALEANENONNI	COMPUTER CODEFIX/NAVAIDFIX/NAVAIDCOURSEKEOLA3.LIHKEOLAGRAIL290.97 (SOK R-111)GRAILNAPUA290.89 (SOK R-111)NAPUALIH VORTAC328.03 (LIH R-148)KEOLA3.LILIAKEOLALIH VORTACKEOLA3.NONNIKEOLALIANEKEOLA3.NONNIKEOLALEANEKEOLA3.SOKKEOLA90.97 (SOK R-111)KEOLA3.SOKKEOLA90.97 (SOK R-111)KEOLA3.SOKKEOLA90.97 (SOK R-111)KEOLA3.KATHSKEOLA90.97 (SOK R-111)KEOLA3.KATHSKEOLALEANELEANENONNI290.89 (SOK R-111)KEOLA3.KATHSKEOLALEANELEANENONNI258.00 (HNL R-258)LEANENONNI258.00 (HNL R-258)KEOLA3.KATHSKEOLALEANELEANENONNI258.00 (HNL R-258)	COMPUTER CODE FIX/NAVAID FIX/NAVAID COURSE DISTANCE   KEOLA3.LIH KEOLA GRAIL 290.97 (SOK R-111) 24.31   GRAIL NAPUA 290.89 (SOK R-111) 25.33   NAPUA LIH VORTAC 328.03 (LIH R-148) 14.66   KEOLA3.LILIA KEOLA LILIA 282.31 187.09   KEOLA3.NONNI KEOLA LEANE 258.00 (HNL R-258) 66.61   LEANE NONNI 258.00 (HNL R-258) 74.87   KEOLA3.SOK KEOLA PUPPI 271.39 182.15   KEOLA3.SOK KEOLA GRAIL 290.97 (SOK R-111) 24.31   KEOLA3.SOK KEOLA GRAIL 290.97 (SOK R-111) 24.31   KEOLA3.SOK KEOLA GRAIL 290.97 (SOK R-111) 25.33   KEOLA3.KATHS KEOLA LEANE 290.72 (SOK-111) 18.68   KEOLA3.KATHS KEOLA LEANE 258.00 (HNL R-258) 68.61	COMPUTER CODE FIXNAVAID FIXNAVAID COURSE DISTANCE MEA   KEOLA3.LIH KEOLA GRAIL 290.97 (SOK R-111) 24.31 9000   GRAIL NAPUA 290.89 (SOK R-111) 25.33 6000   NAPUA LIH VORTAC 328.03 (LIH R-148) 14.66 4000   KEOLA3.LILIA KEOLA LIILV 282.31 187.09 8000   KEOLA3.NONNI KEOLA LIEANE 258.00 (HNL R-258) 68.61 16000   KEOLA3.PUPPI LEANE PUPPI 271.39 182.15 14000   KEOLA3.SOK KEOLA GRAIL APUA 290.97 (SOK R-111) 24.31 9000   KEOLA3.SOK KEOLA GRAIL 290.97 (SOK R-111) 24.31 9000   KEOLA3.SOK KEOLA GRAIL 290.97 (SOK R-111) 24.31 9000   KEOLA3.SOK KEOLA GRAIL 290.97 (SOK R-111) 24.31 9000   KEOLA3.SOK KEOLA LEANE SOK VORTAC 290.72 (SOK-111) 18.68	COMPUTER CODE FIX/NAVAID COURSE DISTANCE MEA MOCA   KEOLA3.LIH KEOLA GRAIL 290.97 (SOK R-111) 24.31 900    MAPUA 290.89 (SOK R-111) 24.31 900

#### **PROCEDURAL DATA NOTES:**

NOTE: HONOLULU DEPARTURES FROM RUNWAYS 4L/R AND 8L/R MUST COMPLETE RIGHT TURN TO ASSIGNED HEADING WITHIN 2 NM OF DEPARTURE END OF RUNWAY. CROSS CKH R-240 AT OR ABOVE 2500.

NOTE: HONOLULU DEPARTURES RUNWAYS 26L/R LEFT TURN TO ASSIGNED HEADING MUST BE COMPLETED WITHIN 2 NM OF DEPARTURE END OF RUNWAY (HNL 3 DME).

#### **TAKEOFF MINIMUMS:**

RWY 26L/R: STANDARD.

RWY 4L/R: STANDARD WITH MINIMUM CLIMB OF 425 FT PER NM TO 1900.

QUALIT\_

20

CHECKER

NFDD No. 247		12/23/2020			46	
	NUMBER				ACTUAL EFFECTIVE DATE	
KEOLA RWY 8L: STANDARD WITH MINIMUM CLIMB OF 305 FT PER NM TO 1300.	THREE	KEOLA3.KEOLA	TWO	01/06/1994	25FEB2021	
<b>RWY 8E:</b> STANDARD WITH MINIMUM CLIMB OF 305 FT PER NM TO 1300. <b>RWY 8R:</b> STANDARD WITH MINIMUM CLIMB OF 296 FT PER NM TO 500.						
TAKEOFF OBSTACLES NOTES:						
SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PF	ROCEDURES (OI	OP).				
CONTROLLING OBSTACLES: RWY 4L/R: 1439 FT MSL AAO, 211937.75N/1574937.92W (CLIMB GRADIENT), RWY 8L: 446 FT MSL TOWER 211915.30N/1575223.06W (CLIMB GRADIENT), RWY 8R: 328 FT MSL CRANE 211849.85N/1575307.15W				i).		
LOST COMMUNICATIONS PROCEDURES:						
ADDITIONAL FLIGHT DATA:						
AIRPORTS SERVED:						
AIRPORT NAME	AIRPORT ID		CITY		<u>STATE</u>	
DANIEL K. INOUYE INTL	PHNL		HONOLULU		HI	
COMMUNICATIONS: HNL ATIS, HNL CLNC DEL, HNL GND CON, HNL ATCT, HCF APP CON						
FIXES AND/OR NAVAIDS: CKH VORTAC						
REMARKS:						
		Digitally signed by				
FLIGHT INSPECTED BY		DAVID TEFFETELLER	OFFICE FICO	<u>DATE</u> 11/20/2020		
BROC L STARRETT		Nov 23, 2020	1100	11/20/2020		
DEVELOPED BY Digitally signed by			OFFICE	DATE		
JAMES LAFFERTY JAMES LAFFERTY			AJV-A433	05/05/2020		
Jun 22, 2020		Digitally signed by				
APPROVED BY		DAVID TEFFETELLER	OFFICE	DATE	TITLE	
GEORGE DAVIS		Nov 23, 2020	AJV-A430		MANAGER	
REQUIRED EFFECTIVE DATE ROUTINE						
COORDINATED WITH:					QUAL /7_	
	OTHER: AMO	GR, HNL ATCT, USAF, HCF APP C	ON		20 Shifterker	
CHANGES - REASONS: 1. DELETED (HNL 3.6 DME) FROM PROCEDURAL NOTE "DEPARTURES FRO		ND 8L/R MUST COMPLETE RIGHT	T TURN TO ASSIGNE	D HEADING WITHIN 2 NM		

1. DELETED (HNL 3.6 DME) FROM PROCEDURAL NOTE "DEPARTURES FROM RWYS 4L/R AND 8L/R MUST COMPLETE RIGHT TURN TO ASSIGNED HEADING WITHIN 2 NM OF DEPARTURE END OF RUNWAY (HNL 3.6 DME). CROSS CKH R-240 AT OR ABOVE 2500" - REQUESTED BY ATC.

2. ADDED TAKEOFF MINIMUMS TO RWY 8L OF "STANDARD WITH MINIMUM CLIMB OF 305 FT PER NM TO 1300" - CLIMB GRADIENT CHANGED TO MATCH SIDS USING RWY 8L.

NFDD No. 247		12/23/2020			47
DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
KEOLA	THREE	KEOLA3.KEOLA	TWO	01/06/1994	25FEB2021

3. ADDED TAKEOFF MINIMUMS TO RWY 8R OF "STANDARD WITH MINIMUM CLIMB OF 296 FT PER NM TO 500" - CLIMB GRADIENT CHANGE DUE TO CRANE OBSTACLE.

4. ADDED TAKEOFF MINIMUMS TO RWY 4L/R: STANDARD WITH MINIMUM CLIMB OF 425 FT PER NM TO 1900 - RWY TAKEOFF MINIMUMS MISSING FROM PREVIOUS AMENDMENT.

5. ADDED TAKEOFF OBSTACLE NOTES: SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP) - 8260.46G, SECTION 2 (7).

6. ADDED CONTROLLING OBSTACLES - MISSING FROM PREVIOUS AMENDMENT.

7. NONNI AND KATHS TRANSITIONS, CHANGED 100 DME FIX TO LEANE - 100 DME FIX IS NAMED LEANE ON THE V12 AIRWAY.

