

RADIO FIX AND HOLDING DATA RECORD

NAME: ALANA **STATE:** HI **COUNTRY:** US **ICAO REGION CODE:** PH

LATITUDE/LONGITUDE: 210431.18N/1575620.71W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM FEET	MRA	MAA
1	LANAI	LNY	VORTAC	H	278.00	289.00	57.58	57.58	5000	45000
2	MOLOKAI	MKK	VORTAC	H	254.18	265.18	43.45	43.45	3000	45000
3	HONOLULU	HNL	VORTAC	H	171.00	182.00	13.94	13.94	3000	45000
4	KOKO HEAD	CKH	VORTAC	H	218.45	229.45	17.44	17.44	3000	45000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
LNY	VORTAC	R-278	58	5000	15800
MKK	VORTAC	R-254	44	3000	16000

FIX RESTRICTIONS:

MRA V21 5000
MRA V8 5000
MRA V16 5000

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	S	HNL	VORTAC	171.00	351.00	R	1	3000 14000	6 14
2	S	WP	WP	171.00	351.00	R	4	3000 14000	5 13
3	SW	CKH	VORTAC	218.45	038.45	R	1	3000 14000	6 15

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	SHIP	210431.18N/1575620.71W	208	2C
1	310	SHIP	211114.34N/1574825.93W	208	4B
2	200	SHIP	210431.00N/1575620.00W	208	2C
2	310	SHIP	210431.00N/1575620.00W	208	2C
3	200	SHIP	210431.00N/1575620.00W	208	2C
3	310	SHIP	210431.00N/1575620.00W	208	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	LOC RWY 8L	PHNL	HONOLULU	HI (US)
3	LOC RWY 8L (ALT MISSED)	PHNL	HONOLULU	HI (US)
3	LOC RWY 8L	PHNL	HONOLULU	HI (US)
3	VOR OR TACAN RWY 8R	PHNL	HONOLULU	HI (US)
3	ILS RWY 8L (ALT MISSED)	PHNL	HONOLULU	HI (US)

REMARKS:

MOLOKAI (FAC 2) AND HONOLULU (FAC 3) USED TO ESTABLISH FIX COORDINATES.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	HONOLULU (OBSTACLE)	3		PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	KALAE (RNAV)			PHMK	KAUNAKAKAI	HI (US)
DP	MAULA (RNAV)			PHMK	KAUNAKAKAI	HI (US)
EN ROUTE	T344					(US)
EN ROUTE	V16	1, 3, 4				(US)
EN ROUTE	V16					(US)
EN ROUTE	V21					(US)
EN ROUTE	V21	1, 2, 3, 4				(US)
EN ROUTE	V8					(US)
EN ROUTE	V8	1, 2, 3, 4				(US)
IAP	ILS RWY 8L	1, 2, 3, 4	1, 3	PHNL	HONOLULU	HI (US)
IAP	ILS RWY 8L (ALT MISSED)	1, 4	3	PHNL	HONOLULU	HI (US)
IAP	ILS Y RWY 4R	4	1, 3	PHNL	HONOLULU	HI (US)
IAP	ILS Y RWY 4R (ALT MISSED)	4	3	PHNL	HONOLULU	HI (US)
IAP	ILS Z RWY 4R	2, 3	1, 3	PHNL	HONOLULU	HI (US)
IAP	ILS Z RWY 4R (ALT MISSED)	4	3	PHNL	HONOLULU	HI (US)



IAP	LDA RWY 26L	2, 3	1	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 4R	3	1, 3	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 4R (ALT MISSED)	4	3	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 8L	2, 3, 4	1, 3	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 8L (ALT MISSED)	1, 4	3	PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) RWY 4L		2	PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) RWY 8R		2	PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) Y RWY 4R		2	PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS) Y RWY 8L		2	PHNL	HONOLULU	HI (US)
IAP	RNAV (RNP) RWY 26L		2	PHNL	HONOLULU	HI (US)
IAP	RNAV (RNP) Z RWY 4R		2	PHNL	HONOLULU	HI (US)
IAP	RNAV (RNP) Z RWY 8L		2	PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN RWY 4R	2, 3	1	PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN RWY 8R	2, 3	3	PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN-A	2, 3	1	PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN-B	2, 3	1	PHNL	HONOLULU	HI (US)
STAR	JULLE		1, 2, 3	PHNL	HONOLULU	HI (US)
STAR	MAKAH (RNAV)			PHNL	HONOLULU	HI (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, MILITARY DP, IAP, EN ROUTE LOW, EN ROUTE HIGH, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 03/19/2026

REASON FOR REVISION:

1. PAT 1 MAX TEMPLATES CHANGED FROM 15 TO 14.
2. CONTROLLING OBSTRUCTIONS UPDATE: CHANGED PAT 1 200 AIRSPEED CONTROLLING OBSTRUCTION FROM "SHIP 210431.00N/1575620.00W, 208, 2C" TO "SHIP 210431.18N/1575620.71W, 208, 2C".
3. CONTROLLING OBSTRUCTIONS UPDATE: CHANGED PAT 1 310 AIRSPEED CONTROLLING OBSTRUCTION FROM "SHIP 210431.00N/1575620.00W, 208, 2C" TO " SHIP 211114.34N/1574825.93W, 208, 4B".
4. FIX USE UPDATE: ADDED VOR OR TACAN RWY 8R AT PHNL AND ASSOCIATED DATA.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A433	NAME: KWEKU DONKOR
APPROVED BY:	DATE: 02/12/2026	OFFICE: AJV-A430	NAME: BEV L BORDY
	SIGNATURE:		

QUALITY
10
CHECKED

