

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	MRA	MAA
1	HONOLULU	HNL	VORTAC	H	171.00	182.00	13.94	13.94	3000	45000
2	MOLOKAI	MKK	VORTAC	H	254.18	265.18	43.45	43.45	3000	45000
3	LANAI	LNK	VORTAC	H	278.00	289.00		57.58	5000	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
MKK	VORTAC	R-254	44	3000	16000
LNK	VORTAC	R-278	58	5000	15800

FIX RESTRICTIONS:

MRA V21 5000 SOUTHEAST BOUND
MRA V16 5000 SOUTHEAST BOUND
MRA V16 5000 NORTHWEST BOUND

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES DME	MIN	MAX	TEMPLATES MIN	MAX
1	S	HNL	VORTAC	171.00	351.00	R	1		3000	14000	6	15
2	S		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	210431.00N/1575620.00W	208	2C
1	310	SHIP	210431.00N/1575620.00W	208	2C
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 PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS RWY 8L	PHNL	HONOLULU	HI (US)
1	LOC RWY 8L	PHNL	HONOLULU	HI (US)
2	RNAV (GPS) Y RWY 8L	PHNL	HONOLULU	HI (US)
3	ILS RWY 8L (ALT MISSED)	PHNL	HONOLULU	HI (US)
3	LOC RWY 8L (ALT MISSED)	PHNL	HONOLULU	HI (US)

REMARKS:

HONOLULU (FAC 1) AND MOLOKAI (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	ALANA	1, 2		PHNL	HONOLULU	HI (US)
DP	BANZI (RNAV)			PHNL	HONOLULU	HI (US)
DP	HONOLULU	1		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	V16					HI (US)
EN ROUTE	V21					HI (US)
EN ROUTE	V8					HI (US)
IAP	ILS RWY 8L	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	ILS RWY 8L (ALT MISSED)	3, 4	3	PHNL	HONOLULU	HI (US)
IAP	ILS Y RWY 4R	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	ILS Y RWY 4R (ALT MISSED)	4	3	PHNL	HONOLULU	HI (US)
IAP	ILS Z RWY 4R	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	ILS Z RWY 4R (ALT MISSED)	4	3	PHNL	HONOLULU	HI (US)
IAP	LDA RWY 26L	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 4R	1, 2	1, 3	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 4R (ALT MISSED)	1, 3	3	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 8L	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 8L (ALT MISSED)	3, 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 -A	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN -B	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN RWY 4R	1, 2	1	PHNL	HONOLULU	HI (US)
IAP	RNAV (GPS)-C		2	PHHI	WAHIAWA	HI (US)
IAP	VOR OR TACAN-B	1, 2	1	PHHI	WAHIAWA	HI (US)
STAR	JULLE			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: 8

DATE OF REVISION: 07/16/2020

REASON FOR REVISION:

1. ADDED DP MAULA (RNAV) AND KALAE (RNAV) TO FIX USE.
2. ADDED DP TO REQUIRED CHARTING.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** DEXTER SWEETING

APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZHN
ATC FACILITY: HCF APP CON
OTHER: USAASA

RADIO FIX AND HOLDING DATA RECORD

NAME: EELIO

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 204235.03N/1564005.11W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

DP

DP

USE TITLE

KALAE (RNAV)

MAULA (RNAV)

FAC

PAT

AIRPORT IDENT

PHMK

PHMK

CITY

KAUNAKAKAI

KAUNAKAKAI

STATE

HI (US)

HI (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/16/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE:

OFFICE: AJV-A431

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZHN

ATC FACILITY: HCF

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: HLAWA

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 205456.76N/1565320.92W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX USE:

USE TYPE

DP

DP

USE TITLE

KALAE (RNAV)

MAULA (RNAV)

FAC

PAT

AIRPORT IDENT

PHMK

PHMK

CITY

KAUNAKAKAI

KAUNAKAKAI

STATE

HI (US)

HI (US)

REQUIRED CHARTING: DP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 07/16/2020

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZHN

ATC FACILITY: HCF

OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: LANAI VORTAC

STATE: HI

COUNTRY: US

ICAO REGION CODE: PH

LATITUDE/LONGITUDE: 204552.20N/1565808.00W

TYPE:

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	LANAI	LNY	VORTAC	H							45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	W	LNY	VORTAC	278.00	098.00	R	1		4000	14000	6	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	204845.00N/1565224.00W	3573	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	230	103

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN BELOW 4500: UNRESTRICTED ABOVE.

REMARKS:

REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PAT 1 CONTROLLING OBSTACLE LOCATED 10322.1 FT INTO SECONDARY. PRIMARY EQUIVALENT ELEVATION 2649.

ASSIGNED FACILITY MAG VAR: 11E/1995

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HONOLULU			PHNL	HONOLULU	HI (US)
DP	KEAHI			PHNL	HONOLULU	HI (US)
DP	OPIHI			PHNL	HONOLULU	HI (US)
DP	PALAY			PHNL	HONOLULU	HI (US)
DP	PIPLN (RNAV)			PHNL	HONOLULU	HI (US)
DP	BEACH			PHOG	KAHULUI	HI (US)
DP	MAUI			PHOG	KAHULUI	HI (US)
DP	STACEY			PHOG	KAHULUI	HI (US)
DP	JELIE (RNAV)			PHJR	KAPOLEI	HI (US)
DP	HAPAI			PHMK	KAUNAKAKAI	HI (US)
DP	KALAE (RNAV)			PHMK	KAUNAKAKAI	HI (US)
DP	MAULA (RNAV)			PHMK	KAUNAKAKAI	HI (US)
DP	TAKE-OFF MINIMUMS			PHNY	LANAI CITY	HI (US)
DP	SHINSEKI			PHHI	WAHIAWA	HI (US)
EN ROUTE	V16					(US)
EN ROUTE	V21					(US)
EN ROUTE	V24					(US)
EN ROUTE	V7					(US)
EN ROUTE	V2					HI (US)
IAP	ILS RWY 08L			PHNL	HONOLULU	HI (US)
IAP	LOC RWY 8L			PHNL	HONOLULU	HI (US)
IAP	ILS OR LOC RWY 2			PHOG	KAHULUI	HI (US)
IAP	NDB RWY 02			PHOG	KAHULUI	HI (US)
IAP	SMOKE STACK VISUAL RWY 2			PHOG	KAHULUI	HI (US)
IAP	VOR Y RWY 20			PHOG	KAHULUI	HI (US)
IAP	VOR Z OR TACAN RWY 20			PHOG	KAHULUI	HI (US)
IAP	ILS OR LOC RWY 17			PHKO	KAILUA/KONA	HI (US)
IAP	VOR OR TACAN RWY 17			PHKO	KAILUA/KONA	HI (US)
IAP	RNAV (GPS)-B			PHMK	KAUNAKAKAI	HI (US)
IAP	VOR OR TACAN-A			PHMK	KAUNAKAKAI	HI (US)
IAP	ILS OR LOC RWY 3			PHNY	LANAI CITY	HI (US)
IAP	RNAV (GPS) RWY 3			PHNY	LANAI CITY	HI (US)
IAP	VOR OR TACAN OR GPS-A			PHNY	LANAI CITY	HI (US)
IAP	VOR OR TACAN RWY 3			PHNY	LANAI CITY	HI (US)
SPECIAL IAP	VOR/DME-A	1		PHJH	LAHAINA	HI (US)
STAR	JULLE			PHNL	HONOLULU	HI (US)
STAR	SAKKI			PHNL	HONOLULU	HI (US)
STAR	SHLAE (RNAV)			PHNL	HONOLULU	HI (US)
STAR	CAMPS			PHOG	KAHULUI	HI (US)
STAR	KAYAK			PHKO	KAILUA-KONA	HI (US)
STAR	VECKI			PHKO	KAILUA/KONA	HI (US)

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

COMPULSORY REPORTING POINT: NO**RECORD REVISION NUMBER: 14****DATE OF REVISION: 12/31/2020****REASON FOR REVISION:**

1. REMOVED "DME" FROM ILS OR LOC RWY 3 PROCEDURE NAME AT PHNY.
2. DELETED (OBSTACLE) FROM DP HONOLULU FOR PHNL IN FIX USE.
3. CHANGED "VOR RWY 20" AT PHOG TO "VOR Y RWY 20" IN FIX USE.
4. CHANGED "VOR/DME OR TACAN RWY 20" AT PHOG TO "VOR Z OR TACAN RWY 20" IN FIX USE.

INITIATED BY:**DATE:****ORGANIZATION:****NAME:****OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A433

NAME: JAMES LAFFERTY**APPROVED BY:****DATE:****OFFICE: AJV-A430****NAME: GEORGE DAVIS****SIGNATURE:****DISTRIBUTION:**

NFDC
FPO: WST
ARTCC: ZHN
ATC FACILITY: HNL
OTHER:

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 210726.26N/1572042.18W **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	MRA	MAA
1	MOLOKAI	MKK	VORTAC	H	254.18	265.18	10.00	10.00	2000	45000
2	LANAI	LNY	VORTAC	H	304.56	315.56		30.13	2000	45000

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

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	E	MKK	VORTAC	254.18	254.18	R	1	4000 14000	8 12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	AAO	310817.00N/1570956.00W	1643	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

MOLOKAI (FAC 1) AND LANAI (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PATTERN IS FOR ATC USE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PALAY SID	1, 2		PHNL	HONOLULU	HI (US)
DP	HAPAI SID	1, 2		PHMK	KAUNAKAKAI	HI (US)
DP	KALAE (RNAV)			PHMK	KAUNAKAKAI	HI (US)
DP	MAULA (RNAV)			PHMK	KAUNAKAKAI	HI (US)
EN ROUTE	V8	1, 2				HI (US)
IAP	RNAV (GPS-B)			PHLU	KALAUPAPA	HI (US)
IAP	VOR OR TACAN-A	1, 2		PHMK	KAUNAKAKAI	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 07/16/2020

REASON FOR REVISION:

1. ADDED DP KALAE (RNAV) AND MAULA (RNAV) TO FIX USE.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** DEXTER SWEETING

APPROVED BY: **DATE:** **OFFICE:** AJV-A430 **NAME:** GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: NFDC
FPO: WST
ARTCC: ZHN
ATC FACILITY: HCF
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: MOLOKAI VORTAC STATE: HI COUNTRY: US ICAO REGION CODE: PH
 LATITUDE/LONGITUDE: 210817.20N/1571002.70W TYPE:

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	MRA FEET	MAA
1	MOLOKAI	MKK	VORTAC	H						45000

FIX RESTRICTIONS:

MCA V22 5000 EASTBOUND
 MCA V15 5000 EASTBOUND

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	SW	MKK	VORTAC	236.00	056.00	R	1		3400	17500	4	16
2	N	MKK	VORTAC	360.00	180.00	R	1		4000	7000	4	8
3	NE	MKK	VORTAC	056.00	236.00	R	1		5100	14000	5	10
4	W	MKK	VORTAC	254.18	074.18	L	1		3000	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	210818.00N/1571003.00W	1615	4E
1	310	AAO	210809.00N/1565642.00W	3304	4E
2	200	AAO	210818.00N/1571003.00W	1615	4E
2	310	AAO	210818.00N/1571003.00W	1615	4E
3	200	AAO	211030.00N/1570024.00W	1795	4E
4	200	AAO	210818.00N/1571003.00W	1615	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
3	200	160

REASON FOR NONSTANDARD HOLDING:

PAT 4 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	KAUNAKAIKAI	PHMK	KAUNAKAKAI	HI (US)
2	KALAUPAPA	PHLU	KALAUPAPA	HI (US)

REMARKS:

CHART PATTERN 1 ON ENROUTE PAA CHART.
 PRECIPITOUS TERRAIN EVALUATION COMPLETE
 PATTERN 1 CLIMB IN HOLD EVALUATED (310 KTS) PER ATC
 HOLD PAT 1 310 KIAS OBS LIES 11755.3 FT INTO THE SECONDARY AREA, PRIMARY EQUIVALENT IS 2321.
 ASSIGNED FACILITY MAG VAR: 11E/1995
 HOLDING PAT 3 & 4 FOR ATC USE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HONOLULU			PHNL	HONOLULU	HI (US)
DP	KEAHI			PHNL	HONOLULU	HI (US)
DP	MOLOKAI			PHNL	HONOLULU	HI (US)
DP	OPIHI			PHNL	HONOLULU	HI (US)
DP	PALAY			PHNL	HONOLULU	HI (US)
DP	MAUI			PHOG	KAHULUI	HI (US)
DP	STACEY			PHOG	KAHULUI	HI (US)
DP	KALAUPAPA		2	PHLU	KALAUPAPA	HI (US)
DP	JELIE (RNAV)			PHJR	KAPOLEI, OAHU ISLAND	HI (US)
DP	BLUSH			PHMK	KAUNAKAKAI	HI (US)
DP	HAPAI			PHMK	KAUNAKAKAI	HI (US)
DP	KAUNAKAIKAI		1	PHMK	KAUNAKAKAI	HI (US)
DP	TAKEOFF MINIMUMS			PHMK	KAUNAKAKAI	HI (US)
DP	KOKO HEAD			PHHI	WAHIAWA	HI (US)
EN ROUTE	V15					HI (US)
EN ROUTE	V22					HI (US)
EN ROUTE	V7					HI (US)
EN ROUTE	V8		1			HI (US)
IAP	ILS RWY 8L			PHNL	HONOLULU	HI (US)
IAP	ILS Y RWY 4R			PHNL	HONOLULU	HI (US)
IAP	ILS Z RWY 4R			PHNL	HONOLULU	HI (US)

IAP	LDA RWY 26L	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 4R	PHNL	HONOLULU	HI (US)
IAP	LOC RWY 8L	PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN RWY 4R	PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN-A	PHNL	HONOLULU	HI (US)
IAP	VOR OR TACAN-B	PHNL	HONOLULU	HI (US)
IAP	ILS OR LOC RWY 02	PHOG	KAHULUI	HI (US)
IAP	NDB RWY 2	PHOG	KAHULUI	HI (US)
IAP	VOR OR TACAN-A	PHMK	KAUNAKAKAI	HI (US)
IAP	ILS OR LOC/DME RWY 3	PHNY	LANAI CITY	HI (US)
IAP	RNAV (GPS) RWY 3	PHNY	LANAI CITY	HI (US)
IAP	VOR OR TACAN OR GPS-A	PHNY	LANAI CITY	HI (US)
IAP	VOR OR TACAN RWY 3	PHNY	LANAI CITY	HI (US)
STAR	JULLE	PHNL	HONOLULU	HI (US)
STAR	MAGGI	PHNL	HONOLULU	HI (US)
STAR	SAKKI	PHNL	HONOLULU	HI (US)
STAR	KAYAK	PHKO	KAILUA-KONA	HI (US)
STAR	VECKI	PHKO	KAILUA-KONA	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 07/16/2020

REASON FOR REVISION:

ADDED PAT 3 AND PAT 4 TO HOLDING PATTERNS - ATC REQUEST.
ADDED PRECIPITOUS TERRAIN ADDITION OF 160 FT FOR PAT 3.
ADDED HOLDING PAT 3 & 4 FOR ATC USE TO REMARKS SECTION.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: DEXTER SWEETING

APPROVED BY:

DATE:

OFFICE: AJV-A430

NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZHN
ATC FACILITY: HCF, HHI ATCT
OTHER: USAASA, HNL FSS

RADIO FIX AND HOLDING DATA RECORD

NAME: SAKKI STATE: HI COUNTRY: US ICAO REGION CODE: PH
 LATITUDE/LONGITUDE: 205554.31N/1572918.03W 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	MRA	MAA
1	HONOLULU	I-EPC	LOC/DME		124.00	135.00	33.32	33.32	4000	6000
2	LANAI	LNK	VORTAC	H	278.00	289.00	30.86	30.86	4000	17500
3	MOLOKAI	MKK	VORTAC	H	224.65	235.65	21.83	21.83	4000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-EPC	LOC/DME	R-124	34	4000	6000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES MIN DME	MAX	TEMPLATES MIN	MAX
1	E	LNK	VORTAC	278.00	278.00	L	1	4000	14000	6	12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	208' SHIP	205554.43N/1572918.03W	208	4D

REASON FOR NONSTANDARD HOLDING:

PAT 1 TRAFFIC FLOW

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

HONOLULU (FAC 1) AND MOLOKAI (FAC 3) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	HIAKA (RNAV)			PHOG	KAHULUI	HI (US)
DP	NPLII (RNAV)			PHOG	KAHULUI	HI (US)
DP	PUHEE (RNAV)			PHOG	KAHULUI	HI (US)
DP	KALAE (RNAV)			PHMK	KAUNAKAKAI	HI (US)
DP	MAULA (RNAV)			PHMK	KAUNAKAKAI	HI (US)
EN ROUTE	V16-21	2, 3				(US)
IAP	LDA RWY 26L	1, 2, 3		PHNL	HONOLULU	HI (US)
IAP	RNAV (RNP) RWY 26L			PHNL	HONOLULU	HI (US)
STAR	JULLE	2, 3		PHNL	HONOLULU	HI (US)
STAR	MAKAH (RNAV)			PHNL	HONOLULU	HI (US)
STAR	SAKKI	1, 2, 3	1	PHNL	HONOLULU	HI (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 DATE OF REVISION: 07/16/2020

REASON FOR REVISION:

1. ADDED DP KALAE (RNAV) AND MAULA (RANV) TO FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: DEXTER SWEETING

APPROVED BY: DATE: OFFICE: AJV-A430 NAME: GEORGE DAVIS

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: WST
 ARTCC: ZHN
 ATC FACILITY: HNL, HCF APP CON
 OTHER: