

RADIO FIX AND HOLDING DATA RECORD

NAME: HANGTOWN VOR/DME STATE: CA COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 384329.01N/1204457.35W TYPE:
 AIRSPACE DOCKET: 23-AWP-03 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	HANGTOWN	HNW	VOR/DME	L						17500

FIX RESTRICTIONS:

MCA T331 7200 NORTHEAST BOUND

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	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SW	HNW	VOR/DME	228.00	048.00	R	1	5800	14000	13	18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	310	AAO	384527.00N/1203315.00W	4538	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS	KPVF	PLACERVILLE	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 ASSIGNED FACILITY MAGVAR: 17E

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS		1	KPVF	PLACERVILLE	CA (US)
DP	FROGO			KSMF	SACRAMENTO	CA (US)
DP	RICHY			KTVL	SOUTH LAKE TAHOE	CA (US)
EN ROUTE	V332					(US)
EN ROUTE	V338					(US)
IAP	GPS RWY 1			KJAQ	JACKSON	CA (US)
IAP	ILS Z OR LOC Z RWY 22L			KMHR	SACRAMENTO	CA (US)
IAP	ILS Z RWY 22L (SA CAT I - II)			KMHR	SACRAMENTO	CA (US)
IAP	RNAV (GPS) RWY 22L			KMHR	SACRAMENTO	CA (US)
IAP	RNAV (GPS) RWY 22R			KMHR	SACRAMENTO	CA (US)
STAR	AMRVR (RNAV)			KMHR	SACRAMENTO	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13

DATE OF REVISION: 08/10/2023

REASON FOR REVISION:

1. AIRSPACE DOCKET: ADDED 23-AWP-03.
2. FIX RESTRICTIONS: CHANGED V338 MCA FROM 7000 TO 7200.
3. PATTERNS: CHANGED PAT 1 HOLDING ALTITUDE MIN FROM 5700 TO 5800 AND TEMPLATE MIN FROM 14 TO 13.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MICHAEL GARRITY

APPROVED BY:

DATE: 08/10/2023

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Apr 11, 2023



RADIO FIX AND HOLDING DATA RECORD

NAME: LINDEN VOR/DME **STATE:** CA **COUNTRY:** US **ICAO REGION CODE:** K2

LATITUDE/LONGITUDE: 380428.49N/1210013.89W **TYPE:**

AIRSPACE DOCKET: 23-AWP-03 **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	LINDEN	LIN	VOR/DME	H						45000

FIX RESTRICTIONS:

MCA V28 4000 NORTHEAST BOUND
MCA V113 4000 NORTHEAST BOUND
MCA V244 3300 EASTBOUND

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	S	LIN	VOR/DME	180.00	360.00	R	1		5000	10000	5	9
2	E	LIN	VOR/DME	104.47	284.47	L	1		2000	8000	4	8
3	E		WP	105.47	285.47	L		4	2000	8000	4	9
4	SE	LIN	VOR/DME	146.00	326.00	R	1		2900	8000	4	8
5	E		WP	105.47	285.47	L		7	7000	10000	9	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	380818.00N/1205706.00W	647	4E
1	230	AAO	380754.00N/1205330.00W	748	4E
2	200	AAO	380245.00N/1205036.00W	702	4E
3	200	AAO	380245.00N/1205036.00W	702	4E
4	200	AAO	380818.00N/1205706.00W	647	4E
4	310	AAO	380045.00N/1204536.00W	1703	4E
5	230	AAO	380045.00N/1204536.00W	1703	4E
5	310	AAO	380239.00N/1203942.00W	2405	4E

REASON FOR NONSTANDARD HOLDING:

PAT 2 ATC REQUEST
PAT 3 ATC REQUEST
PAT 5 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	TAKEOFF MINIMUMS	103	LODI	CA (US)
5	RNAV (GPS) RWY 28	O27	OAKDALE	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR 17 DEGREES EAST.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	FICHU (OBSTACLE) (RNAV)			O22	COLUMBIA	CA (US)
DP	TAKEOFF MINIMUMS			E45	GROVELAND	CA (US)
DP	TAKEOFF MINIMUMS			KJQA	JACKSON	CA (US)
DP	LIVERMORE THREE (OBSTACLE)			KLVK	LIVERMORE	CA (US)
DP	TAKEOFF MINIMUMS		4	103	LODI	CA (US)
DP	MERLOT			KAPC	NAPA	CA (US)
DP	TAKEOFF MINIMUMS			O27	OAKDALE	CA (US)
DP	OAKLAND			KOAK	OAKLAND	CA (US)
DP	SILENT			KOAK	OAKLAND	CA (US)
DP	FROGO			KSMF	SACRAMENTO	CA (US)
DP	TAKEOFF MINIMUMS			KCPU	SAN ANDREAS	CA (US)
DP	SAN FRANCISCO			KSFO	SAN FRANCISCO	CA (US)
DP	SUNOL			KSJC	SAN JOSE	CA (US)
DP	CHARLIE			KSTS	SANTA ROSA	CA (US)
DP	RICHY			KTVL	SOUTH LAKE TAHOE	CA (US)
EN ROUTE	J189					(US)
EN ROUTE	J67					(US)
EN ROUTE	J84					(US)
EN ROUTE	V108					(US)
EN ROUTE	V113					(US)
EN ROUTE	V23					(US)
EN ROUTE	V244					(US)
EN ROUTE	V28					(US)



EN ROUTE	V338			(US)
EN ROUTE	V459			(US)
IAP	TACAN RWY 11L		KFAT	FRESNO
IAP	VOR/DME RWY 1		KJAQ	JACKSON
IAP	ILS RWY 25R		KLVK	LIVERMORE
IAP	LOC RWY 25R		KLVK	LIVERMORE
IAP	RNAV (GPS)-B	3	103	LODI
IAP	ILS OR LOC RWY 28R	1	KMOD	MODESTO
IAP	RNAV (GPS) RWY 28	5	O27	OAKDALE
IAP	VOR-A		O27	OAKDALE
IAP	ILS OR LOC RWY 16		KMCC	SACRAMENTO
IAP	VOR/DME RWY 34		KMCC	SACRAMENTO
IAP	ILS OR LOC RWY 22L		KMHR	SACRAMENTO
IAP	ILS RWY 22L (SA CAT I - II)		KMHR	SACRAMENTO
IAP	RNAV (GPS) RWY 31		KCPU	SAN ANDREAS
IAP	ILS OR LOC RWY 29R (ALT MISS)	4	KSCK	STOCKTON
IAP	ILS RWY 29R (SA CAT II) (ALT MISS)	4	KSCK	STOCKTON
IAP	RNAV (GPS) RWY 11L		KSCK	STOCKTON
IAP	VOR RWY 26	2	KTCY	TRACY
STAR	PALISADES		KSUU	FAIRFIELD

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 31

DATE OF REVISION: 08/10/2023

REASON FOR REVISION:

1. AIRSPACE DOCKET: ADDED 23-AWP-03.
2. PATTERNS: CHANGED PAT 3 TEMPLATES MAX FROM 8 TO 9.
3. CONTROLLING OBSTRUCTIONS: CHANGED PAT 1 200 KIAS COORDINATES.
4. CONTROLLING OBSTRUCTIONS: CHANGED PAT 2 COORDINATES, ELEVATION FROM 699 TO 702, AND ACCURACY CODE FROM 2C TO 4E.
5. CONTROLLING OBSTRUCTIONS: CHANGED PAT 5 230 KIAS OBSTRUCTION FROM TOWER (06-002421) TO AAO, COORDINATES, ELEVATION FROM 3154 TO 1703, AND ACCURACY CODE FROM 2C TO 4E.
6. CONTROLLING OBSTRUCTIONS: CHANGED PAT 5 310 KIAS OBSTRUCTION FROM TOWER (06-002421) TO AAO, COORDINATES, ELEVATION FROM 3154 TO 2405, AND ACCURACY CODE FROM 2C TO 4E.
7. FIX USE: CHANGED TACAN RWY 11 IAP @ KFAT TO TACAN RWY 11L IAP @ KFAT. CHANGED SQUAW VALLEY STAR @ KSUU TO PALISADES STAR @ KSUU.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A423	NAME: MICHAEL GARRITY
APPROVED BY:	DATE: 08/10/2023	OFFICE: AJV-A423	NAME: ALLAN WILL

SIGNATURE:

Digitally signed by

ALLAN WILL

Apr 11, 2023

