

# RADIO FIX AND HOLDING DATA RECORD

NAME: OAKLAND VOR/DME

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 374333.32N/1221324.91W

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	FEET	MRA	MAA
1	OAKLAND	OAK	VOR/DME	H							45000

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	NW	OAK	VOR/DME	300.00	120.00	R	1		2000	4000	4	4
2	NW		WP	302.00	122.00	R		4	2000	4000	4	5
3	SW		WP	243.00	063.00	R		4	3000	5000	5	6
4	SW	OAK	VOR/DME	240.01	060.01	R	1		3000	5000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	BLDG (06-038966)	374723.22N/1222350.61W	1090	5E
2	200	BLDG (06-038966)	374723.22N/1222350.61W	1090	5E
3	200	AAO	374041.52N/1222520.98W	1399	2C
4	200	T-L TWR (06-000098)	374030.38N/1222427.51W	1123	1A
UPN	200	AAO	374857.00N/1220348.00W	2225	4E

HOLDING RESTRICTIONS:

UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 5000.

PRIOR COORDINATION REQUIRED WITH ZOA WHEN HOLDING ABOVE FL370 DUE TO W513 AND W285 A & B.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

(PAT 1 AND 2) CONTROLLING OBSTACLE LOCATED 11586.67 FT. INTO SECONDARY.

PAT 2 MAG COURSE BASED ON KHWD 15E MAGVAR.

PAT 3 MAG COURSE BASED ON KSFO 14E MAGVAR.

ASSIGNED FACILITY MAGVAR: 17E (1975)

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BUCHANAN			KCCR	CONCORD	CA (US)
DP	KANAN			KCCR	CONCORD	CA (US)
DP	LIVERMORE (OBSTACLE)			KLVK	LIVERMORE	CA (US)
DP	SOUTHLAND			KNUQ	MOUNTAIN VIEW	CA (US)
DP	LIZRD			KAPC	NAPA	CA (US)
DP	MERLOT			KAPC	NAPA	CA (US)
DP	COAST			KOAK	OAKLAND	CA (US)
DP	NUEVO			KOAK	OAKLAND	CA (US)
DP	OAKLAND			KOAK	OAKLAND	CA (US)
DP	SALAD			KOAK	OAKLAND	CA (US)
DP	SILENT			KOAK	OAKLAND	CA (US)
DP	SKYLINE			KOAK	OAKLAND	CA (US)
DP	GAP			KSFO	SAN FRANCISCO	CA (US)
DP	OFFSHORE			KSFO	SAN FRANCISCO	CA (US)
DP	SAN FRANCISCO			KSFO	SAN FRANCISCO	CA (US)
DP	SAN JOSE			KSJC	SAN JOSE	CA (US)
DP	SUNOL			KSJC	SAN JOSE	CA (US)
DP	TAKE OFF MINIMUMS			KSJC	SAN JOSE	CA (US)
DP	CHARLIE			KSTS	SANTA ROSA	CA (US)
EN ROUTE	J1					(US)
EN ROUTE	J3					(US)
EN ROUTE	J32					(US)
EN ROUTE	J84					(US)
EN ROUTE	T298					(US)
EN ROUTE	V107					(US)
EN ROUTE	V195					(US)
EN ROUTE	V244					(US)
EN ROUTE	V28					(US)
EN ROUTE	V301					(US)
EN ROUTE	V392					(US)
EN ROUTE	V6					(US)
IAP	HI-LOC Z RWY 11L			KFAT	FRESNO	CA (US)
IAP	LOC/DME RWY 28L		1	KHWD	HAYWARD	CA (US)
IAP	RNAV (GPS) RWY 28L		2	KHWD	HAYWARD	CA (US)
IAP	VOR/DME-A		1	KHWD	HAYWARD	CA (US)
IAP	ILS RWY 25R			KLVK	LIVERMORE	CA (US)
IAP	LOC RWY 25R			KLVK	LIVERMORE	CA (US)
IAP	RNAV (GPS) RWY 14L			KNUQ	MOUNTAIN VIEW	CA (US)
IAP	RNAV (GPS) RWY 14R			KNUQ	MOUNTAIN VIEW	CA (US)
IAP	ILS OR LOC RWY 12			KOAK	OAKLAND	CA (US)

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IAP	ILS OR LOC RWY 30	1	KOAK	OAKLAND	CA (US)
IAP	ILS OR LOC/DME RWY 28R		KOAK	OAKLAND	CA (US)
IAP	ILS RWY 12 (SA CAT I)		KOAK	OAKLAND	CA (US)
IAP	ILS RWY 30 (CAT II & III)	1	KOAK	OAKLAND	CA (US)
IAP	ILS RWY 30 (SA CAT I)	1	KOAK	OAKLAND	CA (US)
IAP	VOR RWY 10R		KOAK	OAKLAND	CA (US)
IAP	ILS OR LOC RWY 19L		KSFO	SAN FRANCISCO	CA (US)
IAP	ILS OR LOC RWY 28R		KSFO	SAN FRANCISCO	CA (US)
IAP	ILS PRM RWY 28L		KSFO	SAN FRANCISCO	CA (US)
IAP	ILS RWY 28R (CAT II & III)		KSFO	SAN FRANCISCO	CA (US)
IAP	ILS RWY 28R (SA CAT I)		KSFO	SAN FRANCISCO	CA (US)
IAP	LDA PRM RWY 28R	4	KSFO	SAN FRANCISCO	CA (US)
IAP	LDA/DME RWY 28R	4	KSFO	SAN FRANCISCO	CA (US)
IAP	QUIET BRIDGE VISUAL RWYS 28L/R		KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (GPS) PRM X RWY 28R	3	KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (GPS) X RWY 28R	3	KSFO	SAN FRANCISCO	CA (US)
IAP	ILS OR LOC RWY 30L	1	KSJC	SAN JOSE	CA (US)
IAP	ILS RWY 30L (SA CAT I & II)	1	KSJC	SAN JOSE	CA (US)
STAR	PANOCHÉ		KHWD	HAYWARD	CA (US)
STAR	POINT REYES		KNUQ	MOUNTAIN VIEW	CA (US)
STAR	PANOCHÉ		KOAK	OAKLAND	CA (US)
STAR	POINT REYES		KPAO	PALO ALTO	CA (US)
STAR	POINT REYES		KSQL	SAN CARLOS	CA (US)
STAR	BIG SUR		KSFO	SAN FRANCISCO	CA (US)
STAR	MODESTO		KSFO	SAN FRANCISCO	CA (US)
STAR	POINT REYES		KSFO	SAN FRANCISCO	CA (US)
STAR	POINT REYES		KRHV	SAN JOSE	CA (US)
STAR	POINT REYES		KSJC	SAN JOSE	CA (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 30

**DATE OF REVISION:** 06/20/2019

**REASON FOR REVISION:**

ADDED KNUQ RNAV (GPS) RWY 14L AND RNAV (GPS) RWY 14R TO FIX USE.

ADDED KCCR KANAN DP TO FIX USE.

REMOVED KSFO ILS RWY 28L (SA CAT II) FROM FIX USE.

REMOVED KSFO TIPPTOE VISUAL RWY 28L FROM FIX USE.

CHANGED FROM ILS RWY 30L (SA CAT I & II) TO ILS RWY 30L (CAT I & II) IN FIX USE.

REMOVED KSFO RISTI (RNAV) STAR FROM FIX USE.

ADDED HOLDING PATTERN 1 FOR THE KSJC ILS OR LOC RWY 30L AND ILS RWY 30L (SA CAT I & II) IN FIX USE.

REMOVED HOLDING LIMITED TO ESTABLISHED PATTERNS FROM HOLDING RESTRICTIONS.

CHANGED HOLDING PATTERN 1 MINIMUM HOLDING ALTITUDE FROM 2100 TO 2000.

CHANGED HOLDING PATTERN 2 MINIMUM HOLDING ALTITUDE FROM 2100 TO 2000; CHANGED MINIMUM TEMPLATE FROM 5 TO 4.

CHANGED FROM ILS OR LOC RWY 28R (CAT II & III) TO ILS RWY 28R (CAT II & III) AT KSFO IN FIX USE.

CHANGED FROM ILS OR LOC RWY 28R (SA CAT I) TO ILS RWY 28R (SA CAT I) AT KSFO IN FIX USE.

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

**OFFICE OF PRIMARY RESPONSIBILITY:**                      AJV-A432                      **NAME:** MIKE MELSSEN

**APPROVED BY:**                      **DATE:**                      **OFFICE:** AJV-A43                      **NAME:** PATRICK MULQUEEN

*Digitally signed by*  
**SIGNATURE: WARDELL HENNING**

**DISTRIBUTION:**                      NFDC  
   FPO: WST  
   ARTCC: ZOA  
   ATC FACILITY: NORCAL APP CON  
   OTHER:

Mar 28, 2019

QUALITY  
18  
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