

# RADIO FIX AND HOLDING DATA RECORD

NAME: FFIST

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 373656.40N/1214112.38W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE: USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 28R			KOAK	OAKLAND	CA (US)
IAP	ILS OR LOC RWY 30			KOAK	OAKLAND	CA (US)
IAP	ILS RWY 30 (CAT II/III)			KOAK	OAKLAND	CA (US)
IAP	ILS RWY 30 (SA CAT I)			KOAK	OAKLAND	CA (US)
IAP	RNAV (GPS) Y RWY 28L			KOAK	OAKLAND	CA (US)
IAP	RNAV (GPS) Y RWY 28R			KOAK	OAKLAND	CA (US)
IAP	RNAV (GPS) Y RWY 30			KOAK	OAKLAND	CA (US)
IAP	RNAV (RNP) Z RWY 28L			KOAK	OAKLAND	CA (US)
IAP	RNAV (RNP) Z RWY 28R			KOAK	OAKLAND	CA (US)
IAP	RNAV (RNP) Z RWY 30			KOAK	OAKLAND	CA (US)
STAR	OAKES (RNAV)			KHWD	HAYWARD	CA (US)
STAR	OAKES (RNAV)			KOAK	OAKLAND	CA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/17/2025

**REASON FOR REVISION:**  
 FIX USE: ADDED RNAV (RNP) Z RWY 30, RNAV (RNP) Z RWY 28R, RNAV (RNP) Z RWY 28L, RNAV (GPS) Y RWY 28L, RNAV (GPS) Y RWY 28R, ILS OR LOC RWY 28R, RNAV (GPS) Y RWY 30, ILS OR LOC RWY 30, ILS RWY 30 (SA CAT I), AND ILS RWY 30 (CAT II/III) AT KOAK.  
 FIX USE: ADDED OAKES (RNAV) STAR AT KHWD.  
 REQUIRED CHARTING: ADDED IAP.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: TIMOTHY JOHNSON

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: HIRMO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 375539.54N/1220854.06W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
IAP	RNAV (RNP) Z RWY 12			KOAK	OAKLAND	CA (US)
STAR	BANND (RNAV)			KOAK	OAKLAND	CA (US)
STAR	EMZOH (RNAV)			KOAK	OAKLAND	CA (US)
STAR	OAKES (RNAV)			KOAK	OAKLAND	CA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

FIX USE: REMOVED STAR SKIZM, ADDED STAR EMZOH AND OAKES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TODD DAMRON

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: KEENR

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 375350.51N/1214409.87W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE						
STAR	EMZOH (RNAV)			KOAK	OAKLAND	CA (US)
STAR	OAKES (RNAV)			KOAK	OAKLAND	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

FIX USE: REMOVED STAR BANND, ADDED STAR EMZOH AND OAKES.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A423	NAME: TODD DAMRON
APPROVED BY:	DATE: 03/13/2025	OFFICE: AJV-A423	NAME: ALLAN WILL
	SIGNATURE:		

# RADIO FIX AND HOLDING DATA RECORD

NAME: LOHGN

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 375454.79N/1215733.96W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:						
USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	EMZOH (RNAV)			KOAK	OAKLAND	CA (US)
STAR	OAKES (RNAV)			KOAK	OAKLAND	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

FIX USE: REMOVED STAR BANND AND SKIZM, ADDED STAR EMZOH AND OAKES.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A423	NAME: TODD DAMRON
APPROVED BY:	DATE: 03/13/2025	OFFICE: AJV-A423	NAME: ALLAN WILL
SIGNATURE:			

# RADIO FIX AND HOLDING DATA RECORD

NAME: PRFCT

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 373624.68N/1214904.74W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP

USE TITLE

RNAV (RNP) Z RWY 30

FAC

PAT

AIRPORT IDENT

KOAK

CITY

OAKLAND

STATE

CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

FIX USE: ADDED IAP RNAV (RNP) Z RWY 30 AT KOAK AND REMOVED STAR OAKES (RNAV) AT KOAK.

REQUIRED CHARTING: ADDED IAP AND REMOVED STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: TIMOTHY JOHNSON

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A421

NAME: DAVID DANNER

SIGNATURE:

## RADIO FIX AND HOLDING DATA RECORD

NAME: WHYEE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 375514.63N/1220236.22W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

## FIX RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

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	N		WP	022.00	202.00	R		4	4000	6000	5	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	375254.00N/1215600.00W	3265	3E

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PAT 1 OBS LOCATED 10709 FT INTO SECONDARY AREA.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 25R		1	KLVK	LIVERMORE	CA (US)
STAR	EMZOH (RNAV)			KOAK	OAKLAND	CA (US)
STAR	OAKES (RNAV)			KOAK	OAKLAND	CA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

FIX USE: REMOVED STAR SKIZM AND BANND, ADDED STAR EMZOH AND OAKES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: TODD DAMRON

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A423

NAME: ALLAN WILL

SIGNATURE: