

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: FRNNY

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 373328.03N/1215957.90W

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 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 30			KOAK	OAKLAND	CA (US)
IAP	RNAV (RNP) Z RWY 30			KOAK	OAKLAND	CA (US)
STAR	PIRAT (RNAV)			KOAK	OAKLAND	CA (US)
STAR	PIRAT (RNAV)			KSFO	SAN FRANCISCO	CA (US)

REQUIRED CHARTING: STAR, IAP, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

FIX USE: REMOVED STAR EMZOH.

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: MITOE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 373811.16N/1220700.68W

TYPE: WP, RADAR, DME

AIRSPACE DOCKET:
FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	OAKLAND	I-INB	LOC/DME		116.00	130.00	8.30	8.25	50122	2000	4500

HOLDING:
HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

I-INB DME COORDINATES 374333.08N/1221459.01W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 30	1		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	RNAV (GPS) Y RWY 30			KOAK	OAKLAND	CA (US)
IAP	RNAV (RNP) Z RWY 30			KOAK	OAKLAND	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: MAG BRG CHANGED FROM "116.01" TO "116.00" AND TRUE BRG CHANGED FROM "130.01" TO "130.00".

FIX MAKE-UP FACILITIES: DME CHANGED FROM "8.25" TO "8.30".

REMARKS: CHANGED I-INB DME COORDINATES FROM "374329.85N/1221458.10W" TO "374333.08N/1221459.01W".

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: MYCAF

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 373246.12N/1215358.08W

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 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 30			KOAK	OAKLAND	CA (US)
IAP	RNAV (RNP) Z RWY 30			KOAK	OAKLAND	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, 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: REMOVED STAR EMZOH (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: MYSHN

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 373153.46N/1214629.30W

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	EMZOH (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.
 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: PARBB

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 373627.44N/1215641.88W

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 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 30			KOAK	OAKLAND	CA (US)
IAP	RNAV (RNP) Z RWY 30			KOAK	OAKLAND	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

FIX USE: REMOVED STAR OAKES.

CHARTING: REMOVED STAR.

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	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
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 30			KOAK	OAKLAND	CA (US)
IAP	RNAV (RNP) Z RWY 30			KOAK	OAKLAND	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, 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: 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: SAUSALITO VOR/DME

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 375119.20N/1223121.91W

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	SAUSALITO	SAU	VOR/DME	VL						17500

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	NE	SAU	VOR/DME	035.21	215.21	R	1	4000 17500	4 16
2	NE		WP	037.21	217.21	R	4	4000 17500	5 17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	375545.00N/1223439.00W	2746	4B
1	310	AAO	375527.00N/1223551.00W	2776	4B
2	200	AAO	375545.00N/1223439.00W	2546	4B
2	310	AAO	375527.00N/1223551.00W	2576	4B

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	100
1	310	100
2	200	90
2	310	100

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS RWY 30 (SA CAT I)	KOAK	OAKLAND	CA (US)
1	ILS RWY 30 (CAT II/III)	KOAK	OAKLAND	CA (US)
1	ILS OR LOC RWY 30	KOAK	OAKLAND	CA (US)
1	ILS OR LOC RWY 28R (ALT MISS)	KOAK	OAKLAND	CA (US)
2	RNAV (RNP) Z RWY 30	KOAK	OAKLAND	CA (US)
2	RNAV (GPS) Y RWY 30	KOAK	OAKLAND	CA (US)
2	RNAV (GPS) Y RWY 28L	KOAK	OAKLAND	CA (US)

REMARKS:

PAT 1 200K CONTROLLING OBSTACLE SECONDARY AREA ADJUSTMENT (SA-557) (2189 PRI EQ).

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ASSIGNED FACILITY MAG VAR: E17/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
SPECIAL IAP	RNAV (RNP) M RWY 14			KSTS	SANTA ROSA	CA (US)
SPECIAL IAP	RNAV (RNP) M RWY 32			KSTS	SANTA ROSA	CA (US)
DP	BUCHANAN			KCCR	CONCORD	CA (US)
DP	LIZRD			KAPC	NAPA	CA (US)
DP	MERLOT			KAPC	NAPA	CA (US)
DP	NIMITZ		1	KOAK	OAKLAND	CA (US)
DP	NUEVO			KOAK	OAKLAND	CA (US)
DP	SILENT			KOAK	OAKLAND	CA (US)
DP	GAP			KSFO	SAN FRANCISCO	CA (US)
DP	MOLEN			KSFO	SAN FRANCISCO	CA (US)
DP	SAN FRANCISCO			KSFO	SAN FRANCISCO	CA (US)
EN ROUTE	V150					(US)
IAP	ILS OR LOC RWY 1L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) RWY 6			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Y RWY 1L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Z RWY 1L			KAPC	NAPA	CA (US)
IAP	VOR RWY 6			KAPC	NAPA	CA (US)
IAP	ILS OR LOC RWY 28R			KOAK	OAKLAND	CA (US)
IAP	ILS OR LOC RWY 28R (ALT MISS)		1	KOAK	OAKLAND	CA (US)
IAP	ILS OR LOC RWY 30	1	1	KOAK	OAKLAND	CA (US)
IAP	ILS RWY 30 (CAT II/III)	1	1	KOAK	OAKLAND	CA (US)
IAP	ILS RWY 30 (SA CAT I)	1	1	KOAK	OAKLAND	CA (US)
IAP	RNAV (GPS) Y RWY 28L		2	KOAK	OAKLAND	CA (US)
IAP	RNAV (GPS) Y RWY 30		2	KOAK	OAKLAND	CA (US)
IAP	RNAV (RNP) Z RWY 30		2	KOAK	OAKLAND	CA (US)
IAP	ILS OR LOC RWY 19L			KSFO	SAN FRANCISCO	CA (US)
IAP	ILS OR LOC RWY 28L			KSFO	SAN FRANCISCO	CA (US)
IAP	ILS OR LOC RWY 28R			KSFO	SAN FRANCISCO	CA (US)

IAP	ILS RWY 28L (SA CAT II)		KSFO	SAN FRANCISCO	CA (US)
IAP	ILS RWY 28R (CAT II/III) (ALT MISS)	1	KSFO	SAN FRANCISCO	CA (US)
IAP	ILS RWY 28R (SA CAT I) (ALT MISS)	1	KSFO	SAN FRANCISCO	CA (US)
IAP	ILS OR LOC RWY 32		KSTS	SANTA ROSA	CA (US)
IAP	RNAV (GPS) RWY 32		KSTS	SANTA ROSA	CA (US)
STAR	POINT REYES		KNUQ	MOUNTAIN VIEW	CA (US)
STAR	POINT REYES		KPAO	PALO ALTO	CA (US)
STAR	POINT REYES		KSQL	SAN CARLOS	CA (US)
STAR	POINT REYES		KSFO	SAN FRANCISCO	CA (US)
STAR	STINS		KSFO	SAN FRANCISCO	CA (US)
STAR	POINT REYES		KRHV	SAN JOSE	CA (US)
STAR	BRINY		KSJC	SAN JOSE	CA (US)
STAR	POINT REYES		KSJC	SAN JOSE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 04/17/2025

REASON FOR REVISION:

1. CONTROLLING OBSTRUCTIONS: UPDATED PAT 1 200KTS COORDINATES, CHANGED ELEVATION FROM 2760 TO 2746, AND CHANGED ACCURACY CODE FROM 4E TO 4B.
2. CONTROLLING OBSTRUCTIONS: UPDATED PAT 1 310KTS COORDINATES, CHANGED ELEVATION FROM 2760 TO 2776, AND CHANGED ACCURACY CODE FROM 4E TO 4B.
3. CONTROLLING OBSTRUCTIONS: UPDATED PAT 2 200KTS COORDINATES, CHANGED ELEVATION FROM 2760 TO 2546, AND CHANGED ACCURACY CODE FROM 4E TO 4B.
4. CONTROLLING OBSTRUCTIONS: UPDATED PAT 2 310KTS COORDINATES, CHANGED ELEVATION FROM 2760 TO 2576, AND CHANGED ACCURACY CODE FROM 4E TO 4B.
5. PRECIPITOUS TERRAIN ADDITIONS: ADDED PAT 1 200KTS 100. CHANGED PAT 1 310KTS FROM 80 TO 100.
6. PRECIPITOUS TERRAIN ADDITIONS: ADDED PAT 2 200KTS 90. CHANGED PAT 2 310KTS FROM 80 TO 100.
7. PROCEDURES REQUIRING CLIMB-IN-HOLD: ADDED PAT 2 RNAV (RNP) Z RWY 30 KOAK.
8. PROCEDURES REQUIRING CLIMB-IN-HOLD: UPDATED PROCEDURE TITLE AT KOAK FROM "ILS OR LOC/DME RWY 28R (ALT MISS)" TO "ILS OR LOC RWY 28R (ALT MISS)".
9. REMARKS: CHANGED FROM "PAT 1 200K CONTROLLING OBSTACLE LOCATED 1,250 INTO SECONDARY AREA (2209 PRI EQ)" TO "PAT 1 200K CONTROLLING OBSTACLE SECONDARY AREA ADJUSTMENT (SA-557) (2189 PRI EQ)".
10. FIX USE: UPDATED TITLE AT KOAK FROM "ILS OR LOC/DME RWY 28R (ALT MISS)" TO "ILS OR LOC RWY 28R (ALT MISS)".
11. FIX USE: ADDED FAC 1 TO ILS OR LOC RWY 30, ILS RWY 30 (CAT II/III), ILS RWY 30 (SA CAT I).

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: WUVON **STATE:** CA **COUNTRY:** US **ICAO REGION CODE:** K2
LATITUDE/LONGITUDE: 373645.69N/1220452.98W **TYPE:** WP, RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	OAKLAND	I-INB	LOC/DME		116.00	130.00	10.50	10.46		2700	4500

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

REMARKS:

I-INB DME COORDINATES 374333.08N/1221459.01W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 30	1		KOAK	OAKLAND	CA (US)
IAP	ILS RWY 30 (SA CAT I)	1		KOAK	OAKLAND	CA (US)
IAP	ILS RWY 30(CAT II - III)	1		KOAK	OAKLAND	CA (US)
IAP	RNAV (GPS) Y RWY 30			KOAK	OAKLAND	CA (US)
IAP	RNAV (RNP) Z RWY 30			KOAK	OAKLAND	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 04/17/2025

REASON FOR REVISION:

FIX MAKE-UP FACILITIES: MAG BRG CHANGED FROM "116.01" TO "116.00" AND TRUE BRG CHANGED FROM "130.01" TO "130.00".
 FIX MAKE-UP FACILITIES: DME CHANGED FROM "10.46" TO "10.50".
 REMARKS: CHANGED I-INB DME COORDINATES FROM "374329.85N/1221458.10W" TO "374333.08N/1221459.01W".

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: ZOLUM

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 373620.55N/1220108.67W

TYPE: WP

AIRSPACE DOCKET:
FIX TYPE OF ACTION: MODIFY

HOLDING:
HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS RWY 30 (CAT II-III)			KOAK	OAKLAND	CA (US)
IAP	ILS RWY 30 (SA CAT I)			KOAK	OAKLAND	CA (US)
IAP	ILS OR LOC RWY 30			KOAK	OAKLAND	CA (US)
IAP	RNAV (GPS) Y RWY 30			KOAK	OAKLAND	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 10/15/2015

REASON FOR REVISION:

UPDATED FIX COORDINTES; FIX MOVED 1.05 NM WEST (NAME RETAINED PER ATC).
 REMOVED KOAK RNAV (RNP) Z RWY 30 FROM FIX USE.
 ADDED KOAK RNAV (GPS) Y RWY 30, ILS OR LOC RWY 30, ILS RWY 30 (SA CAT I), AND ILS RWY 30 (CAT II AND III) TO FIX USE.

INITIATED BY:
DATE:
ORGANIZATION:
NAME:
DEVELOPED BY:
DATE: 07/17/2015

OFFICE: AJV-5432

NAME: DAVID DANNER

APPROVED BY:
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