

# RADIO FIX AND HOLDING DATA RECORD

NAME: ARCHI

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 372926.87N/1215231.95W

TYPE: WP, INT, 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	MRA	MAA
1	WOODSIDE	OSI	VOR/DME	L	055.98	072.98	20.26	20.26	7000	17500
2	SAN FRANCISCO	SFO	VOR/DME	L	090.82	107.82		25.00	7000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:**

WOODSIDE (FAC 1) AND SAN FRANCISCO (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
RNAV VISUAL RWY 1R AT KSFO IS A SPECIAL PROCEDURE USED BY VIRGIN AMERICA

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	GLS RWY 28L			KSFO	SAN FRANCISCO	CA (US)
IAP	GLS RWY 28R			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)			KSFO	SAN FRANCISCO	CA (US)
IAP	ILS RWY 28R (SA CAT I)			KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (GPS) RWY 28L			KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (GPS) Z RWY 28R			KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (RNP) Y RWY 28R			KSFO	SAN FRANCISCO	CA (US)
OTHER	QUIET BRIDGE VISUAL RWY 28L/R 1, 2			KSFO	SAN FRANCISCO	CA (US)
OTHER	RNAV VISUAL RWY 1R			KSFO	SAN FRANCISCO	CA (US)
STAR	DYAMD (RNAV)			KSFO	SAN FRANCISCO	CA (US)
STAR	MODESTO	1, 2		KSFO	SAN FRANCISCO	CA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 12/02/2021

**REASON FOR REVISION:**

- FAC 2, REMOVED DME VALUE - SFO DME NOT USED ON ANY PROCEDURE.  
- FIX USE, REMOVED FACS 1 AND 2 FROM ALL KSFO ILS ENTRIES - FIX IS AN RNAV WAYPOINT ON THOSE PROCEDURES.  
- FIX USE, ADDED KSFO GLS RWY 28L AND GLS RWY 28R - NEW PROCEDURES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: RUSSELL ROSLEWSKI

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

INFORMATION ONLY

# RADIO FIX AND HOLDING DATA RECORD

NAME: DUMBA

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 373012.66N/1220546.13W

TYPE: WP, INT, 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	MRA	MAA
1	SAN FRANCISCO	I-GWQ	LOC/DME		103.80	117.80	16.13	16.15	3000	4500
2	WOODSIDE	OSI	VOR/DME	VL	036.00	053.00		11.07	3000	17500
3	OAKLAND	OAK	VOR/DME	VH	138.46	155.46		14.65	3000	17500
4	SAN FRANCISCO	SFO	VOR/DME	VL	100.59	117.59	14.96	14.96	3000	17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH DME	HOLDING ALTITUDES MIN	MAX	TEMPLATES MIN	MAX
1	E		WP	103.98	283.98	L	4	3000	10000	5	10

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	372918.00N/1215254.00W	2156	4B

## PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	100

## REASON FOR NONSTANDARD HOLDING:

PAT 1 ATC REQUEST

# INFORMATION ONLY

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

SAN FRANCISCO (FAC 1) USED TO ESTABLISH FIX COORDINATES.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

GWQ DME LOCATION: 373748.20N/1222340.61W.

THE RNAV VISUAL RWY 1R AT KSFO IS A SPECIAL PROCEDURE USED BY VIRGIN AMERICA.

HOLDING PATTERN CONTROLLING OBSTACLE LOCATED IN THE SECONDARY AREA SA-998 APPLIED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	GLS RWY 28R			KSFO	SAN FRANCISCO	CA (US)
IAP	ILS OR LOC RWY 28R	1, 2, 3, 4		KSFO	SAN FRANCISCO	CA (US)
IAP	ILS RWY 28R (CAT II/III)	1, 2, 3, 4		KSFO	SAN FRANCISCO	CA (US)
IAP	ILS RWY 28R (SA CAT I)	1, 2, 3, 4		KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (GPS) RWY 10L		1	KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (GPS) RWY 10L		1	KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (GPS) Y RWY 10R		1	KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (GPS) Z RWY 28R			KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (RNP) Z RWY 10R		1	KSFO	SAN FRANCISCO	CA (US)
OTHER	RNAV VISUAL RWY 1R			KSFO	SAN FRANCISCO	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 17

DATE OF REVISION: 07/11/2024

## REASON FOR REVISION:

1. FIX MAKE-UP FACILITIES: FAC 2 CLASS CHANGED FROM L TO VL

2. FIX MAKE-UP FACILITIES: FAC 4 CHANGED FROM L TO VL

UPDATED HOLDING PATTERN CONTROLLING OBSTACLE FROM "200 AAO 373418.00N/1220618.00W 450 MSL (4E) TO "200 AAO 372918.00N/1215254.00W 2156 MSL (4B).

3. REMARKS: ADDED PRECIPITOUS TERRAIN ADDITION 100 FEET.

4. REMARKS: ADDED "HOLDING PATTERN CONTROLLING OBSTACLE LOCATED IN THE SECONDARY AREA SA-998 APPLIED", AND REMOVED "NOTE: WHEN OSI VOR/DME OTS DME IS REQUIRED FOR HOLDING. OAK VOR/DME AND SFO VOR/DME DO NOT MEET 45 DEGREE DIVERGENCE"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: APRIL SARMENTO

**APPROVED BY:**

**DATE:** 11/03/2023

**OFFICE:** AJV-A432

**NAME:** CASIMIR TABAKA

**SIGNATURE:**

***INFORMATION ONLY***

# RADIO FIX AND HOLDING DATA RECORD

NAME: EDDYY

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 372229.65N/1220707.50W

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	GLS RWY 28L			KSFO	SAN FRANCISCO	CA (US)
IAP	GLS RWY 28R			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 AND III)			KSFO	SAN FRANCISCO	CA (US)
IAP	ILS RWY 28R (SA CAT I)			KSFO	SAN FRANCISCO	CA (US)
IAP	QUIET BRIDGE VISUAL RWY 28L/R			KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (GPS) RWY 28L			KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (GPS) Z RWY 28R			KSFO	SAN FRANCISCO	CA (US)
IAP	RNAV (RNP) Y RWY 28R			KSFO	SAN FRANCISCO	CA (US)
IAP	TIPP TOE VISUAL RWY 28L/R			KSFO	SAN FRANCISCO	CA (US)
STAR	SERFR (RNAV)			KSFO	SAN FRANCISCO	CA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/02/2021

## REASON FOR REVISION:

FIX USE, ADDED KSFO GLS RWY 28L AND GLS RWY 28R - NEW PROCEDURES.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: RUSSELL ROSLEWSKI

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

**INFORMATION ONLY**

# RADIO FIX AND HOLDING DATA RECORD

NAME: GIRRR

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 372958.56N/1220138.05W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:**

THE RNAV VISUAL RWY 1R AT KSFO IS A SPECIAL PROCEDURE USED BY VIRGIN AMERICA.

**FIX USE:**

**USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

IAP	GLS RWY 28R			KSFO	SAN FRANCISCO	CA (US)
IAP	ILS OR LOC RWY 28R			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	RNAV (GPS) Z RWY 28R			KSFO	SAN FRANCISCO	CA (US)
OTHER	RNAV VISUAL RWY 1R			KSFO	SAN FRANCISCO	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/02/2021

**REASON FOR REVISION:**

FIX USE, ADDED KSFO GLS RWY 28R - NEW PROCEDURE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: RUSSELL ROSLEWSKI

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

**INFORMATION ONLY**

# RADIO FIX AND HOLDING DATA RECORD

NAME: ZILED

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 372944.25N/1215729.56W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

**REMARKS:**

THE RNAV VISUAL RWY 1R AT KSFO IS A SPECIAL PROCEDURE USED BY VIRGIN AMERICA.

**FIX USE:**

**USE TYPE**

**USE TITLE**

**FAC**

**PAT**

**AIRPORT IDENT**

**CITY**

**STATE**

IAP	GLS RWY 28R			KSFO	SAN FRANCISCO	CA (US)
IAP	ILS OR LOC RWY 28R			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	RNAV (GPS) Z RWY 28R			KSFO	SAN FRANCISCO	CA (US)
OTHER	RNAV VISUAL RWY 1R			KSFO	SAN FRANCISCO	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 12/02/2021

**REASON FOR REVISION:**

FIX USE, ADDED KSFO GLS RWY 28R - NEW PROCEDURE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: RUSSELL ROSLEWSKI

APPROVED BY:

DATE: 12/02/2021

OFFICE: AJV-A420

NAME: MARLON ROBINSON

SIGNATURE:

**INFORMATION ONLY**