

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: EDDYY

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 372229.65N/1220707.50W

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 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: 1

DATE OF REVISION: 02/01/2018

REASON FOR REVISION:

MOVED 3.04NM NORTH. RETAINED NAME FOR OPERATIONAL NECESSITY.
 ADDED KSFO IAP ILS OR LOC RWY 28L TO FIX USE.
 ADDED KSFO IAP ILS RWY 28L (SA CAT II) TO FIX USE.
 ADDED KSFO IAP ILS OR LOC RWY 28R TO FIX USE.
 ADDED KSFO IAP ILS RWY 28R (CAT II AND III) TO FIX USE.
 ADDED KSFO IAP QUIET BRIDGE VISUAL RWY 28L/R TO FIX USE.
 ADDED KSFO IAP RNAV (GPS) RWY 28L TO FIX USE.
 ADDED KSFO IAP RNAV (GPS) Z RWY 28R TO FIX USE.
 ADDED KSFO IAP TIPP TOE VISUAL RWY 28L/R TO FIX USE.
 ADDED KSFO IAP ILS RWY 28R (SA CAT I) TO FIX USE.
 ADDED KSFO IAP RNAV (RNP) Y RWY 28R TO FIX USE.
 ADDED "IAP" TO REQUIRED CHARTING.

DEVELOPED BY:

DATE: 09/08/2017

OFFICE: AJV-354

NAME: JEFF ANDERSON

APPROVED BY:

DATE:

OFFICE: AJV-5440

NAME: MARLON ROBINSON

SIGNATURE:

DISTRIBUTION:

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

QUALITY
 14
 CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: EPICK STATE: CA COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 365702.96N/1215709.62W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: ESTABLISH

HOLDING: HOLDING TYPE OF ACTION: ESTABLISH

PATTERNS:											
PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN MAX
1	SE		WP	153.37	333.37	L		10	10000	15000	15 17

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	230	AAO	370354.00N/1215227.00W	2431	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQ

REMARKS:
PAT 1 CONT OBS 10770 FT INTO SECONDARY, 1493 PRI EQ.

FIX USE:	USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR		SERFR (RNAV)		1	KSFO	SAN FRANCISCO	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG DATE OF REVISION: 03/05/2015

DEVELOPED BY: DATE: 09/30/2014 OFFICE: AJV-354 NAME: PHILLIP BRANDENBURG

APPROVED BY: DATE: 03/05/2015 OFFICE: AJV-354 NAME: JILL OLSON

SIGNATURE:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MAKRS

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 354057.95N/1202038.99W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	AVENAL	AVE	VOR/DME	H	260.95	276.95	18.00	18.00		11000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX TO BE CHARTED AS STANDALONE ON SERFR (RNAV) AND WWAVS (RNAV) STARS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	ATC COORDINATION FIX					(US)
STAR	SERFR (RNAV)			KSFO	SAN FRANCISCO	CA (US)
STAR	WWAVS (RNAV)			KSFO	SAN FRANCISCO	CA (US)
STAR	SILCN (RNAV)			KSJC	SAN JOSE	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 07/21/2016

REASON FOR REVISION:

FAC 1 FIX MAKE-UP TYPE CHANGED FROM VORTAC TO VOR/DME.

DEVELOPED BY:

DATE: 02/09/2016

OFFICE: AJV-5411

NAME: TOMMY BYRNS

APPROVED BY:

DATE: 07/21/2016

OFFICE: AJV-5430

NAME: LONNIE EVERHART

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZLA
ATC FACILITY:
OTHER: ZOA

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NRRLI STATE: CA COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 362944.16N/1214157.84W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	SE		WP	133.71	313.71	L	10	13000	20000	15	17

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	230	AAO	361845.00N/1213400.00W	5246	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQ

FIX USE:		USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE							
STAR		SERFR (RNAV)		1	KSFO	SAN FRANCISCO	CA (US)
STAR		WWAVS (RNAV)		1	KSFO	SAN FRANCISCO	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 12/10/2015

REASON FOR REVISION:
ADDED WWAVS STAR TO FIX USE.

DEVELOPED BY: DATE: 07/15/2015 OFFICE: AJV-354 NAME: ROY CURRIE

APPROVED BY: DATE: 09/28/2015 OFFICE: AJV-354 NAME: JILL OLSON

SIGNATURE:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: SERFR STATE: CA COUNTRY: US ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 360405.90N/1212152.79W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:											
PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN MAX
1	SE		WP	133.71	313.71	L		10	13000	15000	15 17

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	230	AAO	360845.00N/1212509.00W	6044	4E

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQ

FIX USE:		USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE							
STAR		SERFR (RNAV)		1	KSFO	SAN FRANCISCO	CA (US)
STAR		WWAVS (RNAV)		1	KSFO	SAN FRANCISCO	CA (US)

REQUIRED CHARTING: STAR, CONTROLLER, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 12/10/2015

REASON FOR REVISION:
1. ADDED WWAVS STAR TO FIX USE.
2. UPDATED HOLDING OBSTACLE.

DEVELOPED BY: DATE: 07/15/2015 OFFICE: AJV-354 NAME: ROY CURRIE

APPROVED BY: DATE: 09/28/2015 OFFICE: AJV-354 NAME: JILL OLSON

SIGNATURE:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

INFO ONLY

NAME: STOKD

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 352900.57N/1204905.68W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

FIX TO BE CHARTED AS STANDALONE ON SERFR (RNAV) AND WWAVS (RNAV) STARS.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DARRK (RNAV)			KLAX	LOS ANGELES	CA (US)
DP	SUMMR (RNAV)			KLAX	LOS ANGELES	CA (US)
DP	TRTON (RNAV)			KLAX	LOS ANGELES	CA (US)
DP	CTRUS (RNAV)			KSMO	SANTA MONICA	CA (US)
STAR	SERFR (RNAV)			KSFO	SAN FRANCISCO	CA (US)
STAR	WWAVS (RNAV)			KSFO	SAN FRANCISCO	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 12/07/2017

REASON FOR REVISION:

FIX USE: ADDED 'SUMMR (RNAV)'

DEVELOPED BY:

DATE: 06/30/2017

OFFICE: AJV-5422

NAME: LUCAS MCCLOUD

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WWAVS STATE: CA COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 364429.51N/1215339.24W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:		IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES		TEMPLATES	
PAT	DIR								MIN	MAX	MIN	MAX
1	SE		WP	133.49	313.49	L	10	13000	19000	15	17	

CONTROLLING OBSTRUCTIONS:			COORDINATES	ELEVATION	ACCURACY CODE
PAT	AIRSPEED	OBSTRUCTION			
1	230	AAO	362309.00N/1214715.00W	4617	4E

REASON FOR NONSTANDARD HOLDING:
 PAT 1 ATC REQ

FIX USE:		FAC	PAT	AIRPORT IDENT	CITY	STATE
USE TYPE	USE TITLE					
STAR	SERFR (RNAV)		1	KSFO	SAN FRANCISCO	CA (US)
STAR	WWAVS (RNAV)		1	KSFO	SAN FRANCISCO	CA (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 12/10/2015

REASON FOR REVISION:
 1. ADDED WWAVS STAR TO FIX USE.
 2. UPDATED HOLDING OBSTACLE.
 3. REMOVED REMARK FOR HOLDING OBSTACLE IN SECONDARY.

DEVELOPED BY: DATE: 07/15/2015 OFFICE: AJV-354 NAME: ROY CURRIE

APPROVED BY: DATE: 09/28/2015 OFFICE: AJV-354 NAME: JILL OLSON

SIGNATURE:

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

