

# RADIO FIX AND HOLDING DATA RECORD

NAME: ALCOA STATE: OP COUNTRY: US ICAO REGION CODE: P

LATITUDE/LONGITUDE: 374959.71N/1255004.29W TYPE: WP, DME

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	MRA	MAA
1	OAKLAND	OAK	VOR/DME	H	256.25	273.25	171.87	171.87	32000	45000
2	MENDOCINO	ENI	VORTAC	VH	223.59	239.59	141.10	141.10	22000	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
OAK	VOR/DME	R-256	172	32000	45000
ENI	VORTAC	R-224	142	14500	45000

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

OAKLAND (FAC 1) AND MENDOCINO (FAC 2) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	OAKLAND			KOAK	OAKLAND	CA (US)
DP	QUAKE			KOAK	OAKLAND	CA (US)
DP	GAP			KSFO	SAN FRANCISCO	CA (US)
DP	GNNRR (RNAV)			KSFO	SAN FRANCISCO	CA (US)
EN ROUTE	R463	1, 2				(US)
STAR	PIRAT (RNAV)			KOAK	OAKLAND	CA (US)
STAR	PIRAT (RNAV)			KSFO	SAN FRANCISCO	CA (US)

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

COMPULSORY REPORTING POINT: HIGH

RECORD REVISION NUMBER: 8 DATE OF REVISION: 12/29/2022

## REASON FOR REVISION:

UPDATED REQUIRED CHARTING, ADDED EN ROUTE LOW AND CONTROLLER LOW.

11/10/22: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 09/09/22.

1. CHANGED FIX USE FROM "OCEANIC ROUTE R463" TO "R463" TO MATCH NASR AND DELETED STATE "OP".
2. UPDATED FIX USE, ADDED FAC 1 AND 2 TO R463.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: FRANK JACKSON

APPROVED BY: DATE: 12/29/2022 OFFICE: AJV-A430 NAME: JOHNNIE BAKER

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** ARGGG

**STATE:** CA

**COUNTRY:** US

**ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 372332.72N/1221653.87W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** ESTABLISH

**HOLDING:**

**HOLDING TYPE OF ACTION:**

**FIX USE:**

**USE TYPE**  
STAR  
STAR

**USE TITLE**  
PIRAT (RNAV)  
PIRAT (RNAV)

**FAC**

**PAT**

**AIRPORT IDENT**  
KOAK  
KSFO

**CITY**

OAKLAND  
SAN FRANCISCO

**STATE**

CA (US)  
CA (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG

**DATE OF REVISION:** 02/28/2019

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-5442

**NAME:** JOSEPH ZEDER

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-5440

**NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:**

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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CINNY

**STATE:** OP

**COUNTRY:** US

**ICAO REGION CODE:** P

**LATITUDE/LONGITUDE:** 361054.00N/1244536.00W

**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
DP	OAKLAND			KOAK	OAKLAND	CA (US)
DP	QUAKE			KOAK	OAKLAND	CA (US)
DP	GNNRR (RNAV)			KSFO	SAN FRANCISCO	CA (US)
EN ROUTE	A220					(US)
EN ROUTE	R465					(US)
STAR	PIRAT (RNAV)			KOAK	OAKLAND	CA (US)
STAR	PIRAT (RNAV)			KSFO	SAN FRANCISCO	CA (US)

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

**COMPULSORY REPORTING POINT:** LOW/HIGH

**RECORD REVISION NUMBER:** 6

**DATE OF REVISION:** 12/29/2022

**REASON FOR REVISION:**

UPDATED FIX USE, ADDED GNNRR (RNAV) DP AT KSFO.

11/14/22: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 09/09/22.

1. CHANGED FIX USE FROM "A220 (OCEANIC ROUTE)" TO "A220" AND DELETED STATE "OP".
2. CHANGED FIX USE FROM "R465 (OCEANIC ROUTE)" TO "R465" AND DELETED STATE "OP".

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** FRANK JACKSON

**APPROVED BY:**

**DATE:** 12/29/2022

**OFFICE:** AJV-A430

**NAME:** JOHNNIE BAKER

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** CYMBL

**STATE:** CA

**COUNTRY:** US

**ICAO REGION CODE:** K2

**LATITUDE/LONGITUDE:** 373415.17N/1215037.07W

**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/DME RWY 28R			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 (RNP) Z RWY 28L			KOAK	OAKLAND	CA (US)
IAP	RNAV (RNP) Z RWY 28R			KOAK	OAKLAND	CA (US)
STAR	EMZOH (RNAV)			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:** 2

**DATE OF REVISION:** 02/28/2019

**REASON FOR REVISION:**

UPDATED FIX USE: ADDED PIRAT STAR  
ADDED CONTROLLER LOW TO CHARTING

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-5442

**NAME:** JOSEPH ZEDER

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-5440

**NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:**

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

# 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

**REMARKS:**

NAME CHANGED FROM MYAKL TO FRNNY.

**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	EMZOH (RNAV)			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:** 3

**DATE OF REVISION:** 02/28/2019

**REASON FOR REVISION:**

ADDED CONTROLLER LOW TO CHARTING.  
ADDED PIRAT STAR TO FIX USE.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-5442

**NAME:** JOSEPH ZEDER

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-5440

**NAME:** MARLON ROBINSON

**SIGNATURE:**

**DISTRIBUTION:**

**NFDC**  
**FPO:** WST  
**ARTCC:** ZOA  
**ATC FACILITY:** NORCAL APP CON, OAK APP CON  
**OTHER:** SFO

# RADIO FIX AND HOLDING DATA RECORD

NAME: HUNTS STATE: OP COUNTRY: US ICAO REGION CODE: P

LATITUDE/LONGITUDE: 365545.00N/1233400.00W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: NO CHANGE

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	SW		WP	217.82	037.82	L	11	20000	24000	18	20

REASON FOR NONSTANDARD HOLDING:  
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:  
HOLDING LIMITED TO ESTABLISHED PATTERN

REMARKS:  
PRECIPITOUS TERRAIN EVALUATION COMPLETED

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	PIRAT (RNAV)		1	KOAK	OAKLAND	CA (US)
STAR	PIRAT (RNAV)		1	KSFO	SAN FRANCISCO	CA (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 02/28/2019

**REASON FOR REVISION:**

1. ADDED HOLDING PATTERN 1 AND ASSOCIATED DATA.
2. UPDATED FIX USE.
3. ADDED STAR TO REQUIRED CHARTING.

12/7/2018: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/4/2018.

1. RECORD REVISION NUMBER CHANGED FROM ORIG TO 1.
2. ADDED REASONS FOR REVISION.
3. FIX TYPE OF ACTION CHANGED FROM ESTABLISH TO NO CHANGE.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-5442 NAME: JOSEPH ZEDER

APPROVED BY: DATE: OFFICE: AJV-5440 NAME: MARLON ROBINSON

SIGNATURE:

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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** PAINT **STATE:** OP **COUNTRY:** US **ICAO REGION CODE:** P  
**LATITUDE/LONGITUDE:** 380000.00N/1253000.00W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** NO CHANGE  
**HOLDING:** **HOLDING TYPE OF ACTION:** NO CHANGE

<b>FIX USE:</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
<b>USE TYPE</b>						
STAR	PIRAT (RNAV)			KOAK	OAKLAND	CA (US)
STAR	PIRAT (RNAV)			KSFO	SAN FRANCISCO	CA (US)

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

**COMPULSORY REPORTING POINT:** LOW/HIGH

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 02/28/2019

**REASON FOR REVISION:**  
ADDED PIRAT STAR TO FIX USE.  
ADDED CONTROLLER HIGH AND STAR TO CHARTING.

12/18/18: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/04/18.  
1. ADDED COMPULSARY REPORTING POINT: LOW/HIGH.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-5442	<b>NAME:</b> JOSEPH ZEDER
<b>APPROVED BY:</b>	<b>DATE:</b>	<b>OFFICE:</b> AJV-5440	<b>NAME:</b> MARLON ROBINSON

**SIGNATURE:**

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

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** WUSES **STATE:** OP **COUNTRY:** US **ICAO REGION CODE:** P

**LATITUDE/LONGITUDE:** 373920.87N/1240005.88W **TYPE:** WP

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

**HOLDING:** **HOLDING TYPE OF ACTION:**

<b>FIX USE:</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
<b>USE TYPE</b>						
STAR	PIRAT (RNAV)			KOAK	OAKLAND	CA (US)
STAR	PIRAT (RNAV)			KSFO	SAN FRANCISCO	CA (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** ORIG **DATE OF REVISION:** 02/28/2019

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

**OFFICE OF PRIMARY RESPONSIBILITY:** AJV-5442 **NAME:** JOSEPH ZEDER

**APPROVED BY:** **DATE:** **OFFICE:** AJV-5440 **NAME:** MARLON ROBINSON

**SIGNATURE:**

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