

RADIO FIX AND HOLDING DATA RECORD

NAME: CIKPI

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 380722.45N/1221933.77W

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	FEET	MRA	MAA
1	NAPA	I-APC	LOC/DME		185.74	200.74	6.52	6.51	39556	1800	4500
2	SCAGGS ISLAND	SGD	VORTAC	L	129.61	146.61		4.05		1800	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

NAPA (FAC 1) AND SCAGGS ISLAND (FAC 2) USED TO ESTABLISH FIX COORDINATES
I-APC DME ANTENNA 381327.85N/1221635.08W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC Z RWY 36L	1, 2		KAPC	NAPA	CA (US)
IAP	LOC Y RWY 36L	1, 2		KAPC	NAPA	CA (US)
IAP	RNAV (GPS) X RWY 36L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Y RWY 36L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Z RWY 36L			KAPC	NAPA	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

ADDED IAP LOC Y RWY 36L AND RNAV (GPS) X RWY 36L AT KAPC IN FIX USE.
UPDATED REMARKS, DME ANTENNA COORDINATED TO MATCH AIRNAV DATA.
UPDATED FIX MAKE-UP FAC 1 ADDED DIST FROM FAC IN FEET.
UPDATED FIX MAKE-UP FAC 2 MAA FROM 17500 TO 4500
ADDED NAPA (FAC 1) AND SCAGGS ISLAND (FAC 2) USED TO ESTABLISH FIX COORDINATES
AMENDED ILS OR LOC RWY 36L TO ILS OR LOC Z RWY 36L AT KAPC IN FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5422

NAME: HEIDI SNIDER

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL, KAPC ATCT
OTHER:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FESAV

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 380144.85N/1222215.16W

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	NAPA	I-APC	LOC/DME		185.74	200.74	12.53	12.52	2600	4500
2	SCAGGS ISLAND	SGD	VORTAC	L	162.31	179.31		9.00	2600	4500
3	CONCORD	CCR	VOR/DME	T	249.59	266.59		15.47	2600	4500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES DME MIN MAX	TEMPLATES MIN MAX
1	S		WP	185.69	005.69	R		2600	5000
2	S	I-APC	LOC/DME	185.74	005.74	R	1	2600	4500

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	375654.00N/1221721.00W	1257	4E
2	200	AAO	375654.00N/1221721.00W	1257	4E

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

NAPA (FAC 1) AND CONCORD (FAC 3) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 I-APC DME ANTENNA 381327.85N/1221635.08W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC Z RWY 36L	1, 2, 3	2	KAPC	NAPA	CA (US)
IAP	LOC Y RWY 36L	1, 2, 3	2	KAPC	NAPA	CA (US)
IAP	RNAV (GPS) X RWY 36L		1	KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Y RWY 36L		1	KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Z RWY 36L		1	KAPC	NAPA	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

ADDED IAP LOC Y RWY 36L AND RNAV (GPS) X RWY 36L AT KAPC TO FIX USE.
 UPDATED IAP AT KAPC FROM ILS OR LOC RWY 36L TO ILS OR LOC Z RWY 36L.
 UPDATED FIX MAKE-UP FAC 2 MAG/TRUE BRG FROM 162.32/179.32 TO 162.31/179.31 AND DIST FROM FAC NM FROM 9.01 TO 9.00.
 ADDED REMARKS NAPA (FAC 1) AND CONCORD (FAC 3) USED TO ESTABLISH FIX COORDINATES.
 UPDATED REMARKS; APC DME ANTENNA COORDINATES TO MATCH AIRNAV.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5422

NAME: HEIDI SNIDER

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
 FPO: WST
 ARTCC: ZOA
 ATC FACILITY: NORCAL, KAPC ATCT
 OTHER:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HABAP STATE: CA COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 381741.06N/1223133.42W 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	SCAGGS ISLAND	SGD	VORTAC	L	296.80	313.80	10.00	10.00	4500	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	E		WP	100.00	280.00	R		5	4100	6000	5	13

CONTROLLING OBSTRUCTIONS:

PAT	AIR SPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	382045.00N/1223448.00W	2661	4D
1	310	AAO	382724.00N/1223033.00W	2901	4D

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	160
1	310	170

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) RWY 06	KAPC	NAPA	CA (US)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V108	1				(US)
IAP	RNAV (GPS) RWY 06		1	KAPC	NAPA	CA (US)
IAP	RNAV (GPS) X RWY 36L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Y RWY 36L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Z RWY 36L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) RWY 29			KO69	PETALUMA	CA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

ADDED 310K PATTERN TO HOLDING PAT 1.
 CHANGED PAT 1 HOLDING MAX TEMPLATE FROM 6 TO 13
 CHANGED PAT 1 HOLDING MIN CHANGED FROM 3800 TO 4100
 UPDATED PAT 1 HOLDING OBSTACLE PER NEW IAPA REVIEW.
 UPDATED PRECIPITOUS TERRAIN FOR PAT 1 AND ADDED PR TO 310K HOLDING PATTERN.
 REMOVED CONTROLLER FROM REQUIRED CHARTING, ADDED CONTROLLER LOW.
 ADDED IAP RNAV (GPS) X RWY 36L @ KAPC TO FIX USE.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-5422 NAME: HEIDI SNIDER

APPROVED BY: DATE: OFFICE: AJV-5420 NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION: NFDC
 FPO: WST
 ARTCC: ZOA
 ATC FACILITY: NORCAL, KAPC ATCT
 OTHER:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MICRA

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 375726.49N/1223836.72W

TYPE: WP, INT, 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 NM	FAC FEET	MRA	MAA
1	POINT REYES	PYE	VOR/DME	H	107.53	124.53	12.92	12.92		5000	17500
2	SCAGGS ISLAND	SGD	VORTAC	L	207.00	224.00		18.47		5000	17500
3	OAKLAND	OAK	VOR/DME	H	287.93	304.93		24.31		5000	17500

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

REMARKS:

POINT REYES (FAC 1) AND SCAGGS ISLAND (FAC 2) AND OAKLAND (FAC 3) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V107	1, 2, 3				(US)
EN ROUTE	V301	1, 2, 3				(US)
IAP	RNAV (GPS) X RWY 36L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Y RWY 36L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Z RWY 36L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) RWY 10L			KOAK	OAKLAND	CA (US)
IAP	RNAV (GPS) RWY 10R			KOAK	OAKLAND	CA (US)
IAP	VOR RWY 10R	1, 2, 3		KOAK	OAKLAND	CA (US)

REQUIRED CHARTING: IAP, AREA, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10

DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

ADDED IAP, RNAV (GPS) X RWY 36L AT KAPC TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5422

NAME: HEIDI SNIDER

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

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

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CIVDA

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 381624.62N/1221513.66W

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 RNAV (GPS) X RWY 36L

KAPC NAPA

CA (US)

IAP RNAV (GPS) Y RWY 36L

KAPC NAPA

CA (US)

IAP RNAV (GPS) Z RWY 36L

KAPC NAPA

CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

ADDED IAP RNAV (GPS) X RWY 36L AT KAPC TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5422

NAME: HEIDI SNIDER

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: NORCAL, KAPC ATCT

OTHER:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PEBGE

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 380901.20N/1222629.37W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP
IAP
IAP

USE TITLE

RNAV (GPS) X RWY 36L
RNAV (GPS) Y RWY 36L
RNAV (GPS) Z RWY 36L

FAC

PAT

AIRPORT IDENT

KAPC
KAPC
KAPC

CITY

NAPA
NAPA
NAPA

STATE

CA (US)
CA (US)
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

ADDED IAP, RNAV (GPS) X RWY 36L AT KAPC TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5422

NAME: HEIDI SNIDER

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: NORCAL, KAPC ATCT

OTHER:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: POPES STATE: CA COUNTRY: US ICAO REGION CODE: K2
 LATITUDE/LONGITUDE: 382909.41N/1222045.16W 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	SANTA ROSA	STS	VOR/DME	L	077.34	093.34	21.93	21.93	5000	17500
2	SCAGGS ISLAND	SGD	VORTAC	L	347.00	004.00	18.42	18.42	5000	17500

HOLDING: HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	HOLDING ALTITUDES MIN DME	MAX	TEMPLATES MIN	MAX
1	SE		WP	150.39	330.39	R		5	5000	6000	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	382716.00N/1221544.10W	2863	6C
1	310	AAO	382425.70N/1220629.00W	3019	6C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	200	240
1	310	210

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	RNAV (GPS) Z RWY 36L	KAPC	NAPA	CA (US)
1	RNAV (GPS) Y RWY 36L	KAPC	NAPA	CA (US)
1	RNAV (GPS) X RWY 36L	KAPC	NAPA	CA (US)

REMARKS:

SANTA ROSA (FAC 1) AND SCAGGS ISLAND (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	T263					(US)
EN ROUTE	T329					(US)
EN ROUTE	V494	1, 2				(US)
IAP	RNAV (GPS) X RWY 36L		1	KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Y RWY 36L		1	KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Z RWY 36L		1	KAPC	NAPA	CA (US)
STAR	POINT REYES	1, 2		KNUQ	MOUNTAIN VIEW	CA (US)
STAR	POINT REYES	1, 2		KPAO	PALO ALTO	CA (US)
STAR	POINT REYES	1, 2		KSQL	SAN CARLOS	CA (US)
STAR	POINT REYES	1, 2		KSFO	SAN FRANCISCO	CA (US)
STAR	POINT REYES	1, 2		KRHV	SAN JOSE	CA (US)
STAR	POINT REYES	1, 2		KSJC	SAN JOSE	CA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

UPDATED FIX USE; ADDED RNAV (GPS) X RWY 36L AT KAPC.
 ADDED CONTROLLER LOW TO REQUIRED CHARTING.
 UPDATED PRECIPITOUS TERRAIN ADDITION FOR 310 AIRSPEED PATTERN FROM 220 TO 210.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-5422 NAME: HEIDI SNIDER
 APPROVED BY: DATE: OFFICE: AJV-5420 NAME: JULIE MORGAN

QUALITY
13
CHECKED

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL, KAPC ATCT
OTHER:

QUALITY
 13
 CHECKED

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	MRA FEET	MAA
1	SAUSALITO	SAU	VOR/DME	L						17500

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	NE	SAU	VOR/DME	035.21	215.21	R	1-1 1/2	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/1223436.00W	2760	4E
1	310	AAO	375545.00N/1223436.00W	2760	4E
2	200	AAO	375545.00N/1223445.00W	2760	4E
2	310	AAO	375530.60N/1223602.10W	2800	6C

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
2	200	90
2	310	90

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	ILS OR LOC RWY 30	KOAK	OAKLAND	CA (US)
1	ILS OR LOC/DME RWY 28R (ALT MISS)	KOAK	OAKLAND	CA (US)
1	VOR/DME RWY 28L (ALT MISS)	KOAK	OAKLAND	CA (US)
1	ILS RWY 30 (CAT II/III)	KOAK	OAKLAND	CA (US)
1	ILS RWY 30 (SA CAT I)	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 LOCATED 1,250 INTO SECONDARY AREA (2211 PRI EQ).
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ASSIGNED FACILITY MAG VAR: E17/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	BUCHANAN			KCCR	CONCORD	CA (US)
DP	KANAN			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 Z RWY 36L			KAPC	NAPA	CA (US)
IAP	LOC Y RWY 36L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) RWY 6			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) X RWY 36L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Y RWY 36L			KAPC	NAPA	CA (US)
IAP	RNAV (GPS) Z RWY 36L			KAPC	NAPA	CA (US)
IAP	VOR RWY 6			KAPC	NAPA	CA (US)
IAP	ILS OR LOC RWY 30		1	KOAK	OAKLAND	CA (US)
IAP	ILS OR LOC/DME RWY 28R (ALT MISS)		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 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	VOR/DME RWY 28L (ALT MISS)		1	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)

QUALITY
13
CHECKED

IAP	ILS OR LOC RWY 28R (ALT MISS)	1	KSFO	SAN FRANCISCO	CA (US)
IAP	ILS PRM RWY 28L		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	LDA PRM RWY 28R		KSFO	SAN FRANCISCO	CA (US)
IAP	LDA/DME RWY 28R		KSFO	SAN FRANCISCO	CA (US)
IAP	ILS OR LOC/DME 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	HADLY		KSFO	SAN FRANCISCO	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, CONTROLLER LOW, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 18

DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

ADDED IAP, LOC Y RWY 36L AND RNAV (GPS) X RWY 36L AT KAPC TO FIX USE.
 UPDATED IAP AT KAPC FROM ILS OR LOC RWY 36L TO ILS OR LOC Z RWY 36L.

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

OFFICE OF PRIMARY RESPONSIBILITY: AJV-5422 **NAME:** HEIDI SNIDER

APPROVED BY: **DATE:** **OFFICE:** AJV-5420 **NAME:** JULIE MORGAN

SIGNATURE:

DISTRIBUTION: **NFDC**
 FPO: WST
 ARTCC: ZOA
 ATC FACILITY: NORCAL/SFO
 OTHER:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WEGNA

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 375648.47N/1222634.44W

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 RNAV (GPS) X RWY 36L

KAPC NAPA

CA (US)

IAP RNAV (GPS) Y RWY 36L

KAPC NAPA

CA (US)

IAP RNAV (GPS) Z RWY 36L

KAPC NAPA

CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

ADDED IAP RNAV (GPS) X RWY 36L @ KAPC TO FIX USE

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5422

NAME: HEIDI SNIDER

APPROVED BY:

DATE:

OFFICE: AJV-5422

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: NORCAL, APC ATCT

OTHER:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZAPGO

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 381228.72N/1221706.98W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: ESTABLISH

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	NAPA	I-APC	LOC/DME		185.74	200.74	1.07	1.06		320	4500

REMARKS:

I-APC DME ANTENNA 381327.85N/1221635.08W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	LOC Y RWY 36L	1		KAPC	NAPA	CA (US)
IAP	RNAV (GPS) X RWY 36L			KAPC	NAPA	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG

DATE OF REVISION: 02/28/2019

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5422

NAME: HEIDI SNIDER

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: NORCAL, KAPC ATCT
OTHER:

QUALITY
13
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZIRUP

STATE: CA

COUNTRY: US

ICAO REGION CODE: K2

LATITUDE/LONGITUDE: 375932.35N/1223039.39W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP
IAP
IAP

USE TITLE

RNAV (GPS) X RWY 36L
RNAV (GPS) Y RWY 36L
RNAV (GPS) Z RWY 36L

FAC

PAT

AIRPORT IDENT

KAPC
KAPC
KAPC

CITY

NAPA
NAPA
NAPA

STATE

CA (US)
CA (US)
CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/28/2019

REASON FOR REVISION:

ADDED IAP, RNAV (GPS) X RWY 36L AT KAPC TO FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-5422

NAME: HEIDI SNIDER

APPROVED BY:

DATE:

OFFICE: AJV-5420

NAME: JULIE MORGAN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: WST

ARTCC: ZOA

ATC FACILITY: NORCAL, APC ATCT

OTHER:

QUALITY
13
CHECKED