Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: AWSEG	Date Open: 08/27/2012	Task #: 2012082729498201001	Request #: 20120827294982
Procedure: V 301 SANTA ROSA (STS) VOR/DME CA TO WILLIAMS (ILA) VORTAC CA AMDT Y		Airport ID: CA	Airport:		Reimbursable #:
City:	ST: CA	GPS #:		Estimated Chart Date: 03/07/2013	FICO #:
Fac ID:	Fac. Type: Proc R	Specialist: TOBY HUFF(Contractor)			

Procedure Review

P2

	Rec'd	Rel'd	Full Name	Comments
Lead:	09/11/2012	09/19/2012	TOBY HUFF	
QA:	09/19/2012	11/13/2012	ERIC GREEN	
Liaison:	11/13/2012		Spurlin	POSSIBLE TABLE TOP REVIEW

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

pkg 1 of 1

AIRWAY: V 301 SANTA ROSA (STS) VDME CA - WILLIAMS (ILA) VTAC CA ENROUTE-YES FC: 1.8.13 PUB: 3.7.13

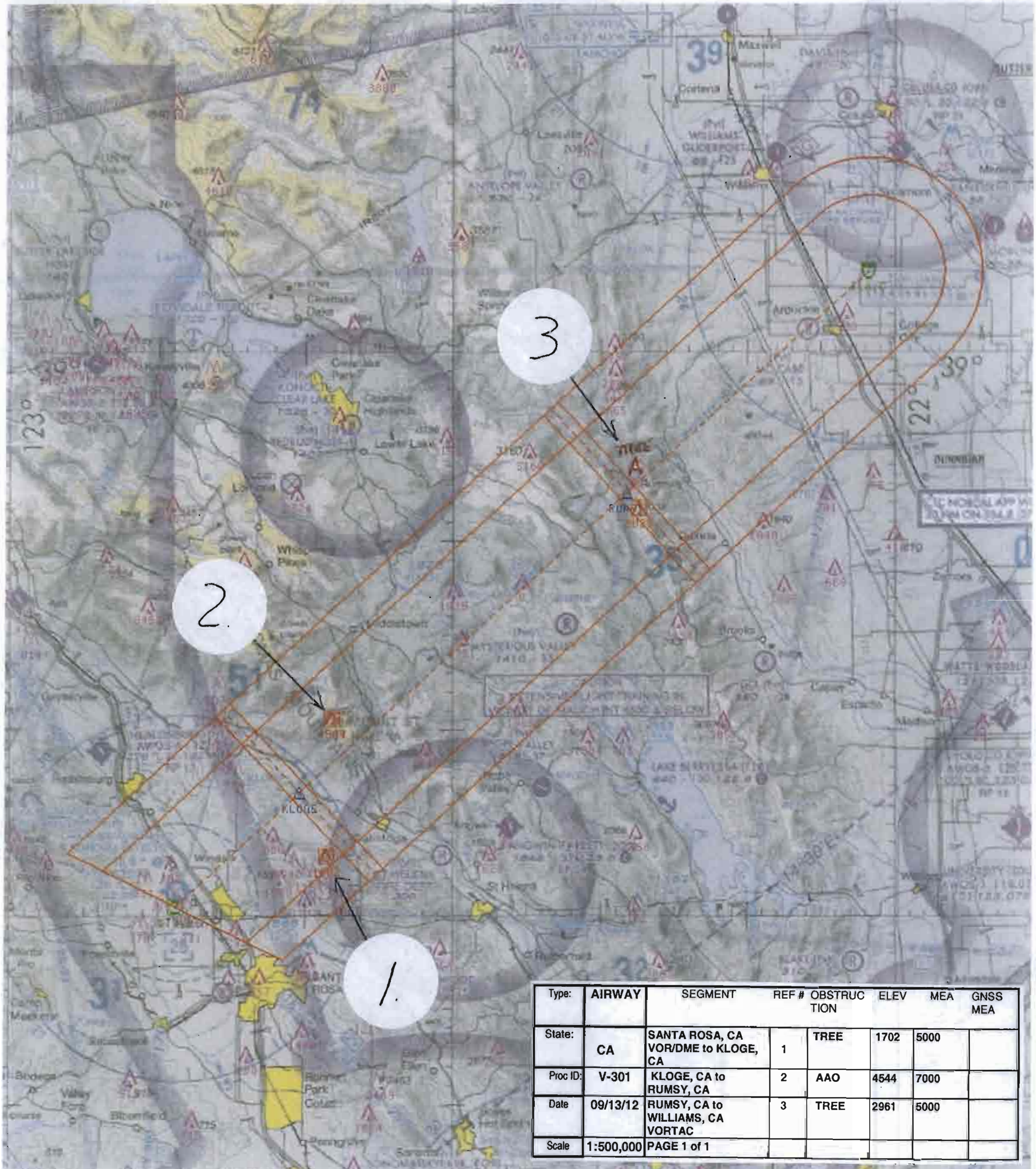
ATTACHED FROMS: 8260-16; 8260-2(S): KLOGE-INT, REV 3; RUMSY-INT, REV 2; (INFO ONLY) SANTA ROSA (STS) VDME, REV 5; WILLIAMS (ILA) VTAC, REV 15.

CONTACT: RAYMOND K. NUSSEAR, ENROUTE MANAGER / TOBY HUFF, ENROUTE LEAD; 301.427.4826, 405.954.9954.

NM 7 14 21 28 35 42 49

FT 42000 84000 126000 168000 210000 252000 294000

fposmv | v301stsila (TEST-_JUNE17_2010) | 12 Sep 2012 09:52:30 | 1" = 41666.7 feet (MAP)



Type:	AIRWAY	SEGMENT	REF #	OBSTRUCTION	ELEV	MEA	GNSS MEA
State:	CA	SANTA ROSA, CA VOR/DME to KLOGE, CA	1	TREE	1702	5000	
Proc ID:	V-301	KLOGE, CA to RUMSY, CA	2	AAO	4544	7000	
Date	09/13/12	RUMSY, CA to WILLIAMS, CA VORTAC	3	TREE	2961	5000	
Scale	1:500,000	PAGE 1 of 1					

TRANSMITTAL OF AIRWAYS / ROUTE DATA

AIRWAY NO. OR ROUTE	FROM / TO	ROUTINE OR DOCKET NO.	CONTROLLING @ TERRAIN/OBSTRUCTION AND COORDINATES	MRA / MOCA	MAA / MEA	GNSS MEA	CHANGE OVER POINT	FIX MRA/MCA	REMARKS	FLIGHT INSPECTION DATES
V301	SANTA ROSA, CA VOR/DME *KLOGE, CA		TREE 1720 @ 383245.00N/1223821.00W TERRAIN 1602 383245.00N/1223821.00W	5000 -3500-	17500 5000			*MCA 6400NE	INCREASE MCA FLAG 300 MTN ROC REDUCTION	11/29/2012
									CLEAR FDC NOTAM	
V301	KLOGE, CA RUMSY, CA		AAO 4557 @ 384009.00N/1223800.00W TERRAIN 4357 384009.00N/1223800.00W	7000 -6600-	17500 7000				INCREASE MOCA	11/29/2012
V301	RUMSY, CA WILLIAMS, CA VORTAC		TREE 2961 @ 385333.00N/1221724.00W TERRAIN 2861 385333.00N/1221724.00W	5000 -4900-	17500 5000				100 MTN ROC REDUCTION	11/29/2012
									12/7/2012: THIS IS A UPDATED COPY OF THE FORM APPROVED ON 11/29/2012	
									1. RUMSY-WILLIAMS SEGMENT MOCA COMPUTED 4700; FL CK REQUESTED 4900.	
									2. UPDATED CONTROLLING OBSTACLE SEGMENT KLOGE-RUMSY.	

DATE	OFFICE	TITLE	SIGNATURE
	AJV-311	MANAGER	RAY NUSSEAR

OA B APPROVED

RADIO FIX AND HOLDING DATA RECORD

NAME: KLOGE **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 383636.48N/1224012.27W **TYPE:** 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	DIST FROM FAC FEET	MRA	MAA
1	SANTA ROSA	STS	VOR/DME	L	031.19	047.19	9.00	9.00		5000	17500
2	SCAGGS ISLAND	SGD	VORTAC	L	314.61	331.61		29.37		5000	17500

FIX RESTRICTIONS:
MCA V-301 6400 NORTHEAST BOUND

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

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	SPOT (SF-S-0366)	384835.40N/1224402.40W	4760	1A

HOLDING RESTRICTIONS:
UNPLANNED HOLDING IS APPROVED AT OR ABOVE ALTITUDE 7000.

REMARKS:
SANTA ROSA (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V301	1, 2				(US)

REQUIRED CHARTING: CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
UPDATED LATITUDE/LONGITUDE.
MOVED FIX 38.11 FT EAST TO C/L OF AIRWAY.
RAISED MCA FLAG FROM 6000 TO 6400.
ADDED DISTANCE FROM FAC FOR FAC 1 & 2.
UPDATED FAC 2 DISTANCE FROM FAC.
UPDATED FAC 1 & 2 MAG/TRUE BRGS.
MOVED "UNPLANNED HOLDING IS APPROVED AT OR ABOVE ALTITUDE 7000" FROM REMARKS TO HOLDING RESTRICTIONS.
DELETED ESV.
UPDATED FIX USE.
ADDED IN REMARKS "SANTA ROSA (FAC 1) USED TO ESTABLISH FIX COORDINATES".
ADDED IN REMARKS "PRECIPITOUS TERRAIN EVALUATION COMPLETED".

DEVELOPED BY: **DATE:** 09/12/2012 **OFFICE:** AJV-311 **NAME:** TOBY HUFF (STEVE VANCAMP)

APPROVED BY: **DATE:** **OFFICE:** AJV-311 **NAME:** RAY NUSSEAR

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: WST
ARTCC: ZOA
ATC FACILITY:
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: RUMSY **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 385233.73N/1221803.31W **TYPE:** 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	DIST FROM FAC FEET	MRA	MAA
1	WILLIAMS	ILA	VORTAC	L	209.68	227.68	17.34	17.34		5000	17500
2	MAXWELL	MXW	VORTAC	L	170.00	188.00	26.72	26.72		5000	17500

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

REMARKS:
MAXWELL (FAC 2) AND WILLIAMS (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V-301	1, 2				(US)
EN ROUTE	V-87	1, 2				(US)
IAP	COLUSA COUNTY - VOR-A	1, 2		KO08	COLUSA	CA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
UPDATED LATITUDE/LONGITUDE.
MOVED FIX 18.76FT SOUTH TO C/L OF AIRWAYS.
UPDATED FAC 1 & 2 MRA FROM 4000 TO 5000.
UPDATED FAC 1 MAG BRG/TRUE BRG.
ADDED DISTANCE FROM FAC TO FAC 1 & 2.
ADDED IN REMARKS "MAXWELL (FAC 2) AND WILLIAMS (FAC 1) USED TO ESTABLISH FIX COORDINATES".
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/12/2012 **OFFICE:** AJV-311 **NAME:** TOBY HUFF (STEVE VANCAMP)

APPROVED BY: **DATE:** **OFFICE:** AJV-311 **NAME:** RAY NUSSEAR

SIGNATURE:

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

QA B APPROVED

REVIEW/INQUIRY

RADIO FIX AND HOLDING DATA RECORD

NAME: SANTA ROSA VOR/DME **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 383029.44N/1224837.67W **TYPE:**

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	DIST FROM FAC FEET	MRA	MAA
1	SANTA ROSA	STS	VOR/DME	L							17500

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NW	STS	VOR/DME	320.00	140.00	R	1-1 1/2		4700	17000	6	16

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	383400.00N/1225706.00W	1700	4E
1	310	AAO	384551.00N/1225045.00W	3658	4E

PRECIPITOUS TERRAIN ADDITIONS:

PAT	SPEED	ADDITION
1	310	134

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
1	TAKEOFF MINIMUMS	KO60	CLOVERDALE	CA (US)

REMARKS:
PAT 1 FOR ATC USE
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	TAKEOFF MINIMUMS		1	KO60	CLOVERDALE	CA (US)
DP	LIZRD			KAPC	NAPA	CA (US)
DP	MERLOT			KAPC	NAPA	CA (US)
DP	FREES			KSTS	SANTA ROSA	CA (US)
DP	SANTA ROSA			KSTS	SANTA ROSA	CA (US)
DP	TAKEOFF MINIMUMS			KSTS	SANTA ROSA	CA (US)
EN ROUTE	V108					(US)
EN ROUTE	V301					(US)
EN ROUTE	V494					(US)
IAP	RNAV (GPS) RWY 32			KO60	CLOVERDALE	CA (US)
IAP	RNAV (GPS) RWY 6			KAPC	NAPA	CA (US)
IAP	VOR RWY 6			KAPC	NAPA	CA (US)
IAP	GPS RWY 13			KDVO	NOVATO	CA (US)
IAP	ILS OR LOC RWY 32			KSTS	SANTA ROSA	CA (US)
IAP	RNAV (GPS) RWY 14			KSTS	SANTA ROSA	CA (US)
IAP	VOR RWY 32			KSTS	SANTA ROSA	CA (US)
IAP	VOR/DME RWY 14			KSTS	SANTA ROSA	CA (US)
STAR	POINT REYES			KSFO	SAN FRANCISCO	CA (US)
STAR	STINS			KSFO	SAN FRANCISCO	CA (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 12/15/2011

REASON FOR REVISION:
UPDATED FIX USE.
ADDED C-I-H PATTERN.
ADDED PRECIPITOUS TERRAIN ADDITION.
ADDED PROCEDURES REQUIRING C-I-H INFORMATION.
RAISED MIN HOLDING ALT FROM 3000 TO 4700.
CHANGED MIN HOLDING TEMPLATE FROM 4 TO 6.

DEVELOPED BY: **DATE:** 06/27/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (THERON CYRUS)

APPROVED BY: **DATE:** 11/02/2011 **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: STS ATCT
OTHER:

RADIO FIX AND HOLDING DATA RECORD

NAME: WILLIAMS VORTAC **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 390416.12N/1220138.09W **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	DIST FROM FAC FEET	MRA	MAA
1	WILLIAMS	ILA	VORTAC	L							17500

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

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	S		WP	163.00	343.00	R		4	4000	14000	5	10
2	E	ILA	VORTAC	099.00	279.00	R	1		2000	4000	4	4

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	AAO	385839.00N/1221248.00W	1424	4E
1	200	AAO	385651.00N/1220536.00W	675	4E
2	200	AAO	390436.00N/1220615.00W	401	4E

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3000

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	CHICO			KCIC	CHICO	CA (US)
DP	GONGS			KCIC	CHICO	CA (US)
DP	TEXTUAL DP			KO08	COLUSA	CA (US)
DP	TEXTUAL DP			KEDU	DAVIS	CA (US)
DP	TEXTUAL DP			KDWA	DAVIS WOODLAND WINTERS	CA (US)
DP	TEALL			KSUU	FAIRFIELD	CA (US)
DP	TEXTUAL DP			KMYV	MARYSVILLE	CA (US)
DP	OAKLAND			KOAK	OAKLAND	CA (US)
DP	REBAS (PROP)			KSFO	SAN FRANCISCO	CA (US)
DP	FREES			KSTS	SANTA ROSA	CA (US)
DP	SOKOY			KVCB	VACAVILLE	CA (US)
DP	TEXTUAL DP			KO41	WOODLAND	CA (US)
EN ROUTE	Q138					(US)
EN ROUTE	V195					(US)
EN ROUTE	V200					CA (US)
EN ROUTE	V301					CA (US)
IAP	VOR/DME RWY 31R			KCIC	CHICO	CA (US)
IAP	GPS RWY 13		1	KO08	COLUSA	CA (US)
IAP	VOR-A			KO08	COLUSA	CA (US)
IAP	RNAV (GPS) RWY 17			KEDU	DAVIS	CA (US)
IAP	RNAV (GPS) RWY 16			KDWA	DAVIS WOODLAND WINTERS	CA (US)
IAP	ILS OR LOC RWY 15			KLHM	LINCOLN	CA (US)
IAP	ILS OR LOC RWY 14			KMYV	MARYSVILLE	CA (US)
IAP	VOR RWY 32			KMYV	MARYSVILLE	CA (US)
IAP	ILS RWY 16			KMCC	SACRAMENTO	CA (US)
IAP	VOR/DME RWY 16			KMCC	SACRAMENTO	CA (US)
IAP	ILS OR LOC RWY 16L (ALTERNATE MISSED APPROACH)		2	KSMF	SACRAMENTO	CA (US)
IAP	ILS OR LOC RWY 16R (ALTERNATE MISSED APPROACH)		2	KSMF	SACRAMENTO	CA (US)
IAP	ILS OR LOC RWY 34L			KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 16R (CAT II) (ALTERNATE MISSED APPROACH)		2	KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 16R (CAT III) (ALTERNATE MISSED APPROACH)		2	KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 16R (SA CAT I) (ALTERNATE MISSED APPROACH)		2	KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) RWY 34			KWLW	WILLOWS	CA (US)
IAP	VOR/DME RWY 34			KWLW	WILLOWS	CA (US)
STAR	SEATO			KSUU	FAIRFIELD	CA (US)
STAR	SQUAW VALLEY			KSUU	FAIRFIELD	CA (US)
STAR	RAIDR (RNAV)			KOAK	OAKLAND	CA (US)
STAR	TUDOR			KSMF	SACRAMENTO	CA (US)
STAR	GOLDEN GATE			KSFO	SAN FRANCISCO	CA (US)

04 B APPROVED

STAR	STINS	KSFO	SAN FRANCISCO	CA (US)
STAR	BRINY	KSJC	SAN JOSE	CA (US)
STAR	GOLDEN GATE	KSJC	SAN JOSE	CA (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 15 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. ADDED PAT 2.
2. REVISED FIX USE.
3. REVISED PAT 1 CONTROLLING OBSTACLE.

DEVELOPED BY: **DATE:** 11/02/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (ROSS BARTO)

APPROVED BY: **DATE:** 03/01/2012 **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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