Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 12/07/2011	Task #: 2009092818896502004	Request #: 20090928188965
Procedure: RNAV (GPS) Y RWY 34L AMDT 1A		Airport ID: KSMF	Airport: SACRAMENTO INTL		Reimbursable #:
City: SACRAMENTO	ST: CA	GPS #:		Estimated Chart Date: 09/20/2012	FICO #:
Fac ID:	Fac. Type: LPV	Specialist: JIMMY HUGHES			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	03/16/2012	06/21/2012	STEVEN SZUKALA	
QA:	06/21/2012	06/21/2012	STEVEN SZUKALA	
Liaison:	06/21/2012		Alfonso	REQUEST POSSIBLE TABLE TOP REVIEW

Procedure Comments: ENROUTE

Remark Type: INFORMATION

1 of 5

SACRAMENTO, CA SACRAMENTO INTL (KSMF) RNAV (GPS) Y RWY 34L, AMDT 1A (LPV) ENROUTE-YES FC: 7.24.12 PUB: 9.20.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): ELMAC-INT, REV 7; HADSU-INT, REV 3; RATBE, REV 1; SACRAMENTO (SAC) VTAC, REV 19; (INFO ONLY) COUPS-INT, REV 5; GRIME-INT, REV 10.

CONTACT: ADOLFO URRUTIA, AJV-354 LEAD, 405.954.2079:

SACRAMENTO, CALIFORNIA AL-5490 (FAA) FIG

RNAV (GPS) Y RWY 34L

SACRAMENTO INTL (SMF)

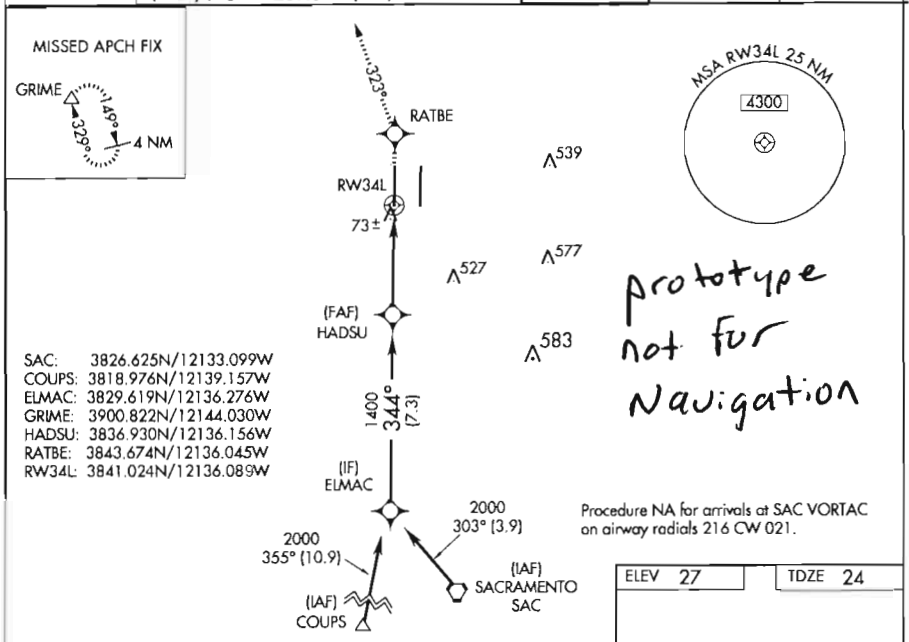
WAAS	APP CRS	Rwy Idg	8598
CH 86602	344°	TDZE	23
W34A		Apt Elev	27

DME/DME RNP- 0.3 NA. Circling NA east of Rwy 16R-34L. For inoperative MALSR, increase LNAV/VNAV Cat. D visibility to RVR 5000 and LNAV Cat. D visibility to RVR 6000. For inoperative MALSR, increase LPV all Cats. visibility to RVR 4000. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 54°C (130°F).

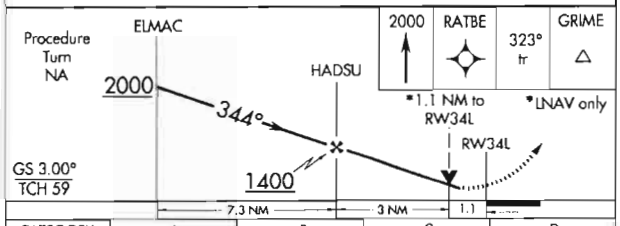
MALSR

MISSED APPROACH: Climb to 2000 direct RATBE and on 323° track to GRIME and hold.

ATIS	NORCAL APP CON		CAPITAL TOWER	GND CON	CLNC DEL
126.75	(W-N) 134.8 270.25	(NE) 125.4 259.1	125.7 256.7	121.7	121.1 256.7
	(S-SW) 125.25 257.9	(E-SE) 127.4 317.5			



ELEV 27 TDZE 24



CATEGORY	A	B	C	D
LPV DA	274/24 251 (300-½)			
LNAV/VNAV DA	336/24 313 (400-½)			336/40 313 (400-¾)
LNAV MDA	420/24 397 (400-½)			420/50 397 (400-1)
CIRCLING	440-1 413 (500-1)	480-1 453 (500-1)	480-1½ 453 (500-1½)	580-2 553 (600-2)

344° to RW34L

TDZ/CL Rwys 16L and 16R
HIRL Rwys 16R-34L and 16L-34R

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SAC VORTAC (IAF)	ELMAC (FB)	303.22 / 3.90	2000
COUPS (IAF)	ELMAC (FB)	355.01 / 10.87	2000
ELMAC (IF)	HADSU (FB)	343.74 / 7.30	1400
HADSU (FAF)	RW34L (MAP) (FO)	343.74 / 4.09	
RW34L (MAP)	274 MSL	343.74	
274 MSL	RATBE (FB)		
RATBE	GRIME (FO)	323.04 / 18.23	2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW34L

CLIMB TO 2000 DIRECT RATBE AND ON TRACK 323.04 TO GRIME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 329.00 INBOUND.
CHART FAS OBST: 73 TREE 384030N/1213615W
DISTANCE TO THLD FROM 251 HATH: 0.61 NM.
WAAS CHANNEL # 86602
REFERENCE PATH ID: W34A
CHART VDP AT 1.06NM TO RW34L* *LNAV ONLY
LTP HAE: -23.7 M

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT ELMAC
3. FAC: 343.74 FAF: HADSU DIST FAF TO MAP: 4.09 THLD: 4.09
4. MIN. ALT: ELMAC 2000, HADSU 1400
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1400 GS ALT AT: HADSU 1400 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 59.0 34:1 IS CLEAR
8. MSA FROM: RW34L 4300

MAG VAR: 17E EPOCH YEAR: 1980

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	274	2400	251	274	2400	251	274	2400	251	274	2400	251			
LNAV/VNAV DA	336	2400	313	336	2400	313	336	2400	313	336	4000	313			
LNAV MDA	420	2400	397	420	2400	397	420	2400	397	420	5000	397			
CIRCLING	440	1	413	480	1	453	480	1 1/2	453	580	2	553			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C (5F) OR ABOVE 54C (130F).
CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV ALL CATS VISIBILITY TO RVR 4000. LNAV/VNAV CAT D VISIBILITY TO RVR 5000 AND LNAV CAT D VISIBILITY TO RVR 6000.
CHART NOTE: CIRCLING NA EAST OF RWY 16R-34L.
(SEE FORM 8260-10)

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 27 THRE: 23 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 34L
SACRAMENTO, CA	SACRAMENTO INTL	RNAV	RNAV (GPS) Y RWY 34L, AMDT 1A	AMDT: 1
				DATED 11/23/2006

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] **ZOA, SAC APCH, SMF ATCT, AMGR, CA AERO**

FLIGHT CHECKED BY

NAME:	FIFO	DATE:
ARTHUR R. WHITTEN	**FIOG**	**08/10/2006**

DEVELOPED BY

NAME:	FIFO	DATE:
JIMMY S. HUGHES	**AJV-354**	**05/14/2012**

APPROVED BY

NAME:		FIFO	DATE:
DEZ SILAGYI	**MANAGER**	**AJV-354**	

CHANGES:

1. CHANGED PROCEDURE NAME FROM RNAV (GPS) RWY 34L TO RNAV (GPS) Y RWY 34L.
2. LPV HAT INCREASED FROM 250 TO 251 ALL CATS.
3. LNAV/VNAV HAT INCREASED FROM 312 TO 313 ALL CATS.
4. LNAV HAT INCREASED FROM 396 TO 397 ALL CATS.
5. BACK-UP ALTIMETER SETTING REMOVED.

REASONS:

1. NAMING CONVENTION DUE TO NEW RNP DEVELOPED TO RWY 34L.
2-4, CHANGED FROM TDZE TO THRE.
5. BACK-UP ALTIMETER NOT REQUIRED, MULTIPLE SOURCES.

QUALITY 4 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SAC VORTAC ON AIRWAY RADIALS 216 CW 021.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 27 THRE: 23	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 34L
SACRAMENTO, CA	AIRPORT NAME: SACRAMENTO INTL	RNAV	RNAV (GPS) Y RWY 34L, AMDT 1A	AMDT: 1
				DATED: 11/23/2006

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSMF
RUNWAY	RW34L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W34A
LTP/FTP LATITUDE	384101.4390N
LTP/FTP LONGITUDE	1213605.3075W
LTP/FTP ELLIPSOIDAL HEIGHT	-00237
FPAP LATITUDE	384230.6200N
FPAP LONGITUDE	1213603.8400W
THRESHOLD CROSSING HEIGHT (TCH)	00059.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0128
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	2E878EAD

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00069
FPAP ORTHOMETRIC HEIGHT	+00069

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 27 THRE: 23	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 34L
SACRAMENTO, CA	AIRPORT NAME: SACRAMENTO INTL	RNAV	RNAV (GPS) Y RWY 34L, AMDT 1A	AMDT: 1
				DATED: 11/23/2006

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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ARINC PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAD        SAC   K2011520VTHW N38263748W121330594    N38263748W121330594E0170000032     NARSACRAMENTO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   COUPS K20    C   L N38185858W121390944                      E0141     NAR           COUPS
        SUSAEAENRT   ELMAC K20    C     N38293713W121361655                      E0141     NAR           ELMAC
        SUSAEAENRT   GRIME K20    C   L N39004933W121440181                      E0142     NAR           GRIME
        SUSAEAENRT   HADSU K20    C     N38365579W121360934                      E0141     NAR           HADSU
        SUSAEAENRT   RATBE K20    W     N38434046W121360268                      E0141     NAR           RATBE

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSMFK2ASMF     0     086YHN38414360W121352680E017000027         1800018000C    MNAR    SACRAMENTO INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSMFK2FR34LY ACOUPS 010COUPSK2EA0E  A    IF                                                18000                A JS
        SUSAP KSMFK2FR34LY ACOUPS 020ELMACK2EA0EE B 010TF                     35500109    + 02000                            A JS
        SUSAP KSMFK2FR34LY ASAC   010SAC  K2D 0V  A    IF                                                18000                A JS
        SUSAP KSMFK2FR34LY ASAC   020ELMACK2EA0EE B 010TF                     30320039    + 02000                            A JS
        SUSAP KSMFK2FR34LY R      010ELMACK2EA0E  I    IF                                 + 02000     18000                A JS
        SUSAP KSMFK2FR34LY R      020HADSUK2EA1E  F 051TF                     34370073    + 01400                 RW34L K2PGA JS
        SUSAP KSMFK2FR34LY R      020HADSUK2EA2WALPV       ALNAV/VNAV ALNAV                                                     JS
        SUSAP KSMFK2FR34LY R      030RW34LK2PG0GY M 031TF                     34370041      00082             -300          A JS
        SUSAP KSMFK2FR34LY R      040         0  M     CA                     3437        + 00274                            A JS
        SUSAP KSMFK2FR34LY R      050RATBEK2EA0E       DF                                                                    A JS
        SUSAP KSMFK2FR34LY R      060GRIMEK2EA0EY   010TF                     3230        + 02000                            A JS
        SUSAP KSMFK2FR34LY R      070GRIMEK2EA0EE  R   HM                     32900040    + 02000                            A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSMFK2GRW34L   0085983437 N38410144W121360531+0000    -0023700023000059150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSMFK2PR34LY RW34L001Y0000W34A0N3841014390W12136053075-002370300N3842306200W121360384001067501280005 90F4005002E878EAD
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 27 THRE: 23	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 34L
SACRAMENTO, CA	AIRPORT NAME: **SACRAMENTO INTL**	**RNAV**	**RNAV (GPS) Y RWY 34L, AMDT 1A**	AMDT: **1**
				DATED: **11/23/2006**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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```
        SUSAP KSMFK2PR34LY RW34L002E      +00069+00069LPV       86602
                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSMFK2SRW34LK2PG                0   18018004325                                                                          M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 27 THRE: 23	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 34L
SACRAMENTO, CA	AIRPORT NAME: SACRAMENTO INTL	RNAV	RNAV (GPS) Y RWY 34L, AMDT 1A	AMDT: 1
				DATED: 11/23/2006

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER ☐ (specify) _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	COUPS	COUPS	010	IAF	IF		FB					
	COUPS	ELMAC	020		TF		FB	1.0	355.0(012.0T)	010.9	AA 02000	
	SAC	SAC	010	IAF	IF		FB					
	SAC	ELMAC	020		TF		FB	1.0	303.2(320.2T)	003.9	AA 02000	
		ELMAC	010	FACF	IF		FB				AA 02000	
		HADSU	020	FAF	TF		FB	0.5	343.7(000.7T)	007.3	AA 01400	
		RW34L	030	MAP	TF		FO	0.3	343.7(000.7T)	004.1	AT 00082	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		343.7(000.7T)		AA 00274	
	RATBE	050		DF		FB					
	GRIME	060		TF		FO	1.0	323.0(340.0T)		AA 02000	
	GRIME	070		HM	R	FO		329.0(346.0T)	004.0	AA 02000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	SAC	N382637.48	W1213305.94	N3826.625	W12133.099
	COUPS	N381858.58	W1213909.44	N3818.976	W12139.157
	ELMAC	N382937.13	W1213616.55	N3829.619	W12136.276
	GRIME	N390049.33	W1214401.81	N3900.822	W12144.030
	HADSU	N383655.79	W1213609.34	N3836.930	W12136.156
	RATBE	N384340.46	W1213602.68	N3843.674	W12136.045
	RW34L	N384101.44	W1213605.31	N3841.024	W12136.089

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW34L	00023	59

CITY AND STATE	ELEVATION: 27 THRE: 23	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 34L
SACRAMENTO, CA	AIRPORT NAME: **SACRAMENTO INTL**	**RNAV**	**RNAV (GPS) Y RWY 34L, AMDT 1A**	AMDT: **1**
				DATED: **11/23/2006**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	SAC VORTAC	ELMAC	1. TOWERS 3 (05-0931)	383029.00N/1213450.00W	309 (3C)	1000	AT691	2000
			2. TERRAIN	382829.00N/1213209.00W	99 (100)		AS1500	1600
INITIAL	COUPS	ELMAC	3. AAO	382000.00N/1213418.00W	355 (4E)	1000	AT645	2000
			4. TERRAIN	382000.00N/1213418.00W	155 (200)		AS1500	1700
INTERMEDIATE: LNAV	ELMAC	HADSU	1. TOWERS 3 (05-0931)	383029.00N/1213450.00W	309 (3C)	500	AT591	1400
			5. TERRAIN	383333.00N/1213600.00W	89 (100)		AS1000	1100
FINAL: LPV	HADSU	RW34L				ASC		274/251
FINAL: LNAV/VNAV	HADSU	RW34L	6. TREE (KSMF0022)	384030.05N/1213615.39W	73 (1A)	PDA	MA13	336/313
FINAL: LNAV	HADSU	RW34L	6. TREE (KSMF0022)	384030.05N/1213615.39W	73 (1A)	250	MA68	420
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / DA / RW34L	GRIME	7. ROD ON ATCT	384126.17N/1213527.60W	175 (1A)	ASC		2000
			8. AAO	385242.00N/1213900.00W	305 (4E)	1000		1400
ELEV:	62/75/170		9. TERRAIN	385242.00N/1213900.00W	105 (100)		AS1500	1600

4. CIRCLING AREA	DISTANCE		REQUIRED		ACTUAL	HT. ABV. ARPT.					
CATEGORY A	1.3 NM		350		413	10. TREE (KSMF0018)	384320.70N/1213614.68W	134 (1A)	300		440
CATEGORY B	1.5 NM		450		453	10. TREE (KSMF0018)	384320.70N/1213614.68W	134 (1A)	300	HAA	480
CATEGORY C	1.7 NM		450		453	10. TREE (KSMF0018)	384320.70N/1213614.68W	134 (1A)	300	HAA	480
CATEGORY D	2.3 NM		550		553	10. TREE (KSMF0018)	384320.70N/1213614.68W	134 (1A)	300	HAA	580
CATEGORY E	4.5 NM		550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **RW34L**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	251/ 27.7	3257 (6A)	4300					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
SACRAMENTO, CA	ELEVATION: 27 AIRPORT NAME: SACRAMENTO INTL	RNAV	RNAV (GPS) Y RWY 34L, AMDT 1A	AWP

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZOA ARTCC SAC APP CON SMF TOWER	NWS OTHER: ASOS FAA A/C	SOURCE: KSAC DISTANCE: 11.88 NM HOURS REMOTE OPERATION: 24
SATISFACTORY ON:		
X VHF X UHF HF	LOCATION: KSMF	ADJUSTMENT: 27.76

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING	X	ALSF-2 16R
		(S) SALS
	X	MALSR 16L, 34L
	X	HIRL 16L, 34L, 16R, 34R
		MIRL
		REIL
	X	TDZ 16L, 16R
	X	C/L 16L, 34L, 16R, 34R
	X	OTHER (SPECIFY) PAPI-4R 16R PAPI-4L 16L, 34R VASI-4L 34L

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 16L, 34L, 16R
	INSTRUMENT	NPI-G 34R
7. RUNWAY VISUAL RANGE	APPROACH	16L, 34L, 16R, 34R
	MIDFIELD	16L, 34L, 16R, 34R
	ROLL OUT	16L, 34L, 16R, 34R

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 22.3
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 59.0

9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: JIMMY S. HUGHES	DATE: 05/14/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

2. KSMF ASOS IS ON SERVICE A. KSAC ASOS IS ON SERVICE A. HRS: 24

5. VGSI DATA: 3.00/59

NO ADDITIONAL AIRSPACE REQUIRED.

LPV:
INNER SURFACE=27.03:1
OUTER SURFACE=34:1

LNAV/VNAV:
INNER SURFACE=23.4:1
OUTER SURFACE=34:1

VNAV MISSED APPROACH OBSTACLE:
KSMF0032 384100.74N-1213507.45W 126 (1A)

BACK-UP ALTIMETER NOT REQUIRED, MULTIPLE SOURCES.

RADIO FIX AND HOLDING DATA RECORD

NAME: ELMAC **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 382937.13N/1213616.55W **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	DIST FROM FAC FEET	MRA	MAA
1	SACRAMENTO	I-HUX	LOC/DME		165.74	180.74	12.98	12.96		2000	4500
2	SACRAMENTO	SAC	VORTAC	H	303.18	320.18		3.90		2000	17500

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

REMARKS:
SACRAMENTO (FAC 1) USED TO ESTABLISH FIX COORDINATES
DME COORDINATES: 384236.90N/1213607.12W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34L	1, 2		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 34L			KSMF	SACRAMENTO	CA (US)
IAP	RNAV (RNP) Z RWY 34L			KSMF	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
1. REMOVED FAC 3 WP, NO LONGER REQUIRED.
2. ADDED DIST FROM FAC TO FAC 1 AND 2.
3. CHANGED FAC 2 TRUE/MAG BRG FROM 320.22/303.22 TO 320.18/303.18.
4. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 04/13/2012 **OFFICE:** AJV-354 **NAME:** JIMMY HUGHES

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: HADSU **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 383655.79N/1213609.34W **TYPE:** WP, RADAR, 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	SACRAMENTO	I-HUX	LOC/DME		165.74	180.74	5.66	5.68		1400	4500

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

REMARKS:
DME COORDINATES: 384236.90N/1213607.12W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 34L	1		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 34L			KSMF	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
1. REMOVED FAC 2, NO LONGER REQUIRED FOR WP.
2. ADDED DIS FROM FAC TO FAC 1.
3. FAC 1 CHANGED DME DISTANCE FROM 5.68 TO 5.66.

DEVELOPED BY: **DATE:** 05/11/2012 **OFFICE:** AJV-354 **NAME:** JIMMY HUGHES

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: RATBE **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 384340.46N/1213602.68W **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	RNAV (GPS) Y RWY 34L			KSMF	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
1. REMOVED FAC 1, NO LONGER REQUIRED FOR WP.

DEVELOPED BY: **DATE:** 05/11/2012 **OFFICE:** AJV-354 **NAME:** JIMMY HUGHES

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 382637.48N/1213305.94W **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	SACRAMENTO	SAC	VORTAC	H							45000

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

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	SW	SAC	VORTAC	224.56	044.56	R	1-1 1/2		2000	6000	4	5
2	S	SAC	VORTAC	196.01	016.01	R	1-1 1/2		1400	6000	4	5
3	SW		WP	228.99	048.99	R		4	2000	14000	4	11
4	S		WP	196.01	016.01	R		4	3100	6000	12	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	382112.00N/1213939.00W	305	4E
2	200	AAO	382000.00N/1213418.00W	355	4E
3	200	AAO	382112.00N/1213939.00W	305	4E
4	310	TOWER (06-001883)	381424.00N/1213007.00W	2049	3D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	TAKE-OFF MINS	KO88	RIO VISTA	CA (US)

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	BUCHANAN			KCCR	CONCORD	CA (US)
DP	KANAN			KCCR	CONCORD	CA (US)
DP	TAKE-OFF MINS			KGOO	GRASS VALLEY	CA (US)
DP	BYRON			KLVK	LIVERMORE	CA (US)
DP	LIVERMORE			KLVK	LIVERMORE	CA (US)
DP	MERLOT			KAPC	NAPA	CA (US)
DP	OZIEE (RNAV)			KAPC	NAPA	CA (US)
DP	MARINA			KOAK	OAKLAND	CA (US)
DP	NIMITZ			KOAK	OAKLAND	CA (US)
DP	OAKLAND			KOAK	OAKLAND	CA (US)
DP	SALAD			KOAK	OAKLAND	CA (US)
DP	SILENT			KOAK	OAKLAND	CA (US)
DP	TAKE-OFF MINS		4	KO88	RIO VISTA	CA (US)
DP	KATSO			KMCC	SACRAMENTO	CA (US)
DP	SACRO			KMCC	SACRAMENTO	CA (US)
DP	TAKE-OFF MINS			KMHR	SACRAMENTO	CA (US)
DP	DUDES			KSMF	SACRAMENTO	CA (US)
DP	FROGO			KSMF	SACRAMENTO	CA (US)
DP	DUMBARTON			KSFO	SAN FRANCISCO	CA (US)
DP	QUIET			KSFO	SAN FRANCISCO	CA (US)
DP	SAN FRANCISCO			KSFO	SAN FRANCISCO	CA (US)
DP	SHORELINE			KSFO	SAN FRANCISCO	CA (US)
DP	ALTAM			KSJC	SAN JOSE	CA (US)
DP	DANVILLE			KSJC	SAN JOSE	CA (US)
DP	LOUPE			KSJC	SAN JOSE	CA (US)
DP	SUNOL			KSJC	SAN JOSE	CA (US)
DP	CHARLIE			KSTS	SANTA ROSA	CA (US)
DP	SOKOY			KVCB	VACAVILLE	CA (US)
DP	TAKE-OFF MINS			KO41	WOODLAND	CA (US)
EN ROUTE	J126					(US)
EN ROUTE	J32					(US)
EN ROUTE	J65					(US)
EN ROUTE	Q120					(US)
EN ROUTE	T259					(US)
EN ROUTE	V150					(US)
EN ROUTE	V23					(US)
EN ROUTE	V334					(US)
EN ROUTE	V392					(US)
EN ROUTE	V494					(US)

QUALITY RECORD 4

EN ROUTE	V585				(US)
EN ROUTE	V6				(US)
IAP	VOR RWY 19R		KCCR	CONCORD	CA (US)
IAP	RNAV (GPS) RWY 17		KEDU	DAVIS	CA (US)
IAP	VOR OR GPS-A		KGOO	GRASS VALLEY	CA (US)
IAP	ILS OR LOC RWY 15		KLHM	LINCOLN	CA (US)
IAP	ILS RWY 25R		KLVK	LIVERMORE	CA (US)
IAP	ILS OR LOC RWY 14		KMYV	MARYSVILLE	CA (US)
IAP	VOR RWY 32		KMYV	MARYSVILLE	CA (US)
IAP	VOR/DME-A	2	KO88	RIO VISTA	CA (US)
IAP	ILS RWY 16		KMCC	SACRAMENTO	CA (US)
IAP	VOR/DME RWY 16		KMCC	SACRAMENTO	CA (US)
IAP	VOR/DME RWY 34		KMCC	SACRAMENTO	CA (US)
IAP	ILS OR LOC/DME RWY 22L		KMHR	SACRAMENTO	CA (US)
IAP	RNAV (GPS) RWY 22L	3	KMHR	SACRAMENTO	CA (US)
IAP	RNAV (GPS) RWY 4R		KMHR	SACRAMENTO	CA (US)
IAP	VOR RWY 4R	1	KMHR	SACRAMENTO	CA (US)
IAP	VOR/DME RWY 22L		KMHR	SACRAMENTO	CA (US)
IAP	ILS OR LOC RWY 2	2	KSAC	SACRAMENTO	CA (US)
IAP	VOR RWY 2	2	KSAC	SACRAMENTO	CA (US)
IAP	ILS OR LOC RWY 34L		KSMF	SACRAMENTO	CA (US)
IAP	ILS OR LOC RWY 16L		KSMF	SACRAMENTO	CA (US)
IAP	ILS OR LOC RWY 16R		KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 16R (CAT II, III)		KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 16R (SA CAT I)		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) RWY Y 34L		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) RWY Y 34R		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 16L		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 16R		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (RNP) Z RWY 34L		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (RNP) Z RWY 34R		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 20		KVCB	VACAVILLE	CA (US)
IAP	RNAV (GPS) Z RWY 20		KVCB	VACAVILLE	CA (US)
IAP	VOR/DME-A		KVCB	VACAVILLE	CA (US)
IAP	VOR/DME-A		KO41	WOODLAND	CA (US)
STAR	OAKEY		KSUU	FAIRFIELD	CA (US)
STAR	SQUAW VALLEY		KSUU	FAIRFIELD	CA (US)
STAR	CONCORD		KSMF	SACRAMENTO	CA (US)
STAR	FLUNK		KSMF	SACRAMENTO	CA (US)
STAR	TUDOR		KSMF	SACRAMENTO	CA (US)
STAR	WRAPS		KSMF	SACRAMENTO	CA (US)
STAR	POINT REYES		KSFO	SAN FRANCISCO	CA (US)
STAR	RISTI		KSFO	SAN FRANCISCO	CA (US)
STAR	CAPITOL		KSJC	SAN JOSE	CA (US)
STAR	SIERRA		KRNO	RENO	NV (US)
STAR	TARVR		KRNO	RENO	NV (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 19 **DATE OF REVISION:** 09/20/2012

REASON FOR REVISION:
1. MOVED 32 FEET NORTH DUE TO NEW SURVEY.

DEVELOPED BY: **DATE:** 05/11/2012 **OFFICE:** AJV-354 **NAME:** JIMMY HUGHES

APPROVED BY: **DATE:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: COUPS **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 381858.58N/1213909.44W **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 FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SACRAMENTO	SAC	VORTAC	H	195.00	212.00	9.00	9.00		2000	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V-6	1				(US)
IAP	RNAV (GPS) RWY 16			KDWA	DAVIS/WOODLAND/WINTERS	CA (US)
IAP	RNAV (GPS) RWY 34			KDWA	DAVIS/WOODLAND/WINTERS	CA (US)
IAP	ILS OR LOC RWY 2	1		KSAC	SACRAMENTO	CA (US)
IAP	RNAV (GPS) RWY 2			KSAC	SACRAMENTO	CA (US)
IAP	VOR RWY 2	1		KSAC	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 34L			KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 34R			KSMF	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 03/16/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (AISHAT NAUZO)

APPROVED BY: **DATE:** 06/13/2011 **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY A CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: GRIME **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 390049.33N/1214401.81W **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 FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SACRAMENTO	SAC	VORTAC	H	329.00	346.00	35.22	35.22		2000	17500
2	WILLIAMS	ILA	VORTAC	L	086.00	104.00		14.14		2000	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	SE	SAC	VORTAC	329.00	329.00	R	1		2000	4000	5	6
2	SE		WP	149.00	329.00	R		4	2000	4000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (06-020287)	391220.00N/1214914.00W	2353	5E
1	200	AAO	385306.00N/1214606.00W	358	4E
2	200	AAO	385703.00N/1214633.00W	322	4E

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 4000.
HOLDING BELOW 4000 LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:
WILLIAMS (FAC 2) AND SACRAMENTO (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V23	1, 2				(US)
IAP	GPS RWY 31			KO08	COLUSA	CA (US)
IAP	RNAV (GPS) RWY 33			KLHM	LINCOLN	CA (US)
IAP	ILS OR LOC RWY 16L	1, 2	1	KSMF	SACRAMENTO	CA (US)
IAP	ILS OR LOC RWY 16R	1, 2	1	KSMF	SACRAMENTO	CA (US)
IAP	ILS OR LOC RWY 34L	1, 2	1	KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 16R (CAT II)	1, 2	1	KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 16R (CAT III)	1, 2	1	KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 16R (SA CAT I)	1, 2	1	KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 16L		2	KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 16R		2	KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 34L		2	KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 34R		2	KSMF	SACRAMENTO	CA (US)
IAP	RNAV (RNP) Z RWY 16L		2	KSMF	SACRAMENTO	CA (US)
IAP	RNAV (RNP) Z RWY 16R		2	KSMF	SACRAMENTO	CA (US)
IAP	RNAV (RNP) Z RWY 34L		2	KSMF	SACRAMENTO	CA (US)
IAP	RNAV (RNP) Z RWY 34R		2	KSMF	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. REVISED PAT 1 AND 2 AC
2. REVISED PAT 1 CONTROLLING OBSTACLE TO 358 AAO.
3. REVISE FIX USE.

DEVELOPED BY: **DATE:** 10/26/2011 **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:

QUALITY 4 CHECKED