US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

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.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SAC VORTAC	TUDOR (FO)	339.31 / 32.61	2000
YUBBA (IAF)	TUDOR (NOPT) (FB)	118.47 / 11.54	2000
TUDOR (IF/IAF)	JARNU (FB)	163.74 / 11.34	1800
JARNU (FAF)	RW16R (MAP) (FO)	163.75 / 5.40	
RW16R (MAP)	500 MSL		500
500 MSL	GRIME (FO)		2000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW16R

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT GRIME AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. HOLD N TUDOR, RT, 163.74 INBOUND, 2000 FT. IN LIEU OF PT (IAF)
3. FAC: 163.75 FAF: JARNU DIST FAF TO MAP: 5.40 THLD: 5.40
4. MIN. ALT: TUDOR 2000, JARNU 1800
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 1800 GS ALT AT: JARNU 1800 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 56.7 34:1 IS CLEAR
8. MSA FROM: RW16R 4300

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 329.00 INBOUND.
CHART FAS OBST: 134 TREE 384321N/1213615W
DISTANCE TO THLD FROM 200 HATH: 0.45 NM.
CHART VDP AT 0.95 MILES TO RW16R*
*LNAV ONLY.
WAAS CHANNEL # 65728
REFERENCE PATH ID: W16A
LTP HAE: -23 M

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	225	2400	200	225	2400	200	225	2400	200	225	2400	200			
LNAV/VNAV DA	324	2400	299	324	2400	299	324	2400	299	324	2400	299			
LNAV MDA	400	2400	375	400	2400	375	400	3500	375	400	3500	375			
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 43C (109F).
CHART NOTE: DME/DME RNP-0.3 NA.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SAC VORTAC AIRWAY RADIALS 257 CW 036.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

QUALITY CHECKED

CITY AND STATE	ELEVATION: 27 THRE: 25	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 16R
SACRAMENTO, CA	AIRPORT NAME: SACRAMENTO INTL	RNAV	RNAV (GPS) Y RWY 16R, AMDT 1	AMDT: ORIG-D
				DATED 09/25/2008

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

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: ADOLFO URRUTIA (ROSS F. BARTO)	FIFO AJV-354	DATE: 11/01/2011
APPROVED BY		
NAME: DEZ SILAGYI MANAGER	FIFO AJV-354	DATE:

CHANGES:

1. MINIMUMS BASED ON HEIGHT ABOVE THLD VS TOUCHDOWN.
2. NAMED CHANGED TO RNAV (GPS) Y RWY 16R.
3. ADDED LPV LINE OF MINIMA.
4. CHANGED (IAF) FROM GRIME TO YUBBA.
5. REVISED MISSED APPROACH.
6. LOWERED LNAV/VNAV DA FROM 409 TO 324 AND ALL CATS VISIBILITY FROM RVR 4000 TO RVR 2400.
7. REVISED INOP NOTE.
8. REMOVED RESTRICTION TO ALTERNATE MINIMUMS.
9. REVISED BARO-VNAV HIGH TEMP RESTRICTION TO 43C (109F).
10. RAISED LNAV CAT C VISIBILITY TO RVR 3500 AND LOWERED CAT D VISIBILITY TO RVR 3500.
11. ADDED PROCEDURE ENTRY RESTRICTION NOTE FOR ARRIVALS AT SAC VORTAC.

REASONS:

1/7/10. 8260.3, CH 20.
2. RNAV (RNP) Z DEVELOPED.
3. PER FPT REQUEST.
4. PER 8260.54, GRIME SEGMENT LENGTH IS TOO SHORT.
5. PER 8260.54.
6. NEW CONTROLLING OBSTACLES AND 8260.3, CH 20.
8. NOT REQUIRED.
9. NEW CALCULATION.
11. TURNS IN EXCESS OF 90 DEGREES.

QUALITY CHECKED

NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE ALSF-2, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV ALL CATS VISIBILITY TO RVR 5500.
CHART NOTE: CIRCLING NA E OF RWYS 16R-34L.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 27 THRE: 25	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 16R
SACRAMENTO, CA	AIRPORT NAME: SACRAMENTO INTL	RNAV	RNAV (GPS) Y RWY 16R, AMDT 1	AMDT: ORIG-D
				DATED: 09/25/2008

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

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	RW16R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W16A
LTP/FTP LATITUDE	384226.4235N
LTP/FTP LONGITUDE	1213603.8960W
LTP/FTP ELLIPSOIDAL HEIGHT	-00230
FPAP LATITUDE	384057.2400N
FPAP LONGITUDE	1213605.3900W
THRESHOLD CROSSING HEIGHT (TCH)	00056.7
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)	35.0
CRC REMAINDER	B1F46CD4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+00076
FPAP ORTHOMETRIC HEIGHT	+00076

QUALITY CHECKED

CITY AND STATE	ELEVATION: 27 THRE: 25	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 16R
SACRAMENTO, CA	AIRPORT NAME: SACRAMENTO INTL	RNAV	RNAV (GPS) Y RWY 16R, AMDT 1	AMDT: ORIG-D
				DATED: 09/25/2008

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

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 N38263717W121330584    N38263717W121330584E0170000102     NARSACRAMENTO

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   GRIME K20    C   L N39004933W121440181                      E0143     NAR           GRIME
        SUSAEAENRT   JARNU K20    C     N38475049W121355846                      E0142     NAR           JARNU
        SUSAEAENRT   TUDOR K20    C     N38591149W121354725                      E0142     NAR           TUDOR
        SUSAEAENRT   YUBBA K20    C   L N39072578W121460977                      E0143     NAR           YUBBA

                 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 KSMFK2FR16RY ASAC   010SAC  K2D 0V       IF                                                18000                A JS
        SUSAP KSMFK2FR16RY ASAC   020TUDORK2EA0EY   020TF                    33930326    + 02000                              A JS
        SUSAP KSMFK2FR16RY ASAC   030TUDORK2EA0EE AR   HF                    16370040    + 02000                              A JS
        SUSAP KSMFK2FR16RY AYUBBA 010YUBBAK2EA0E  A    IF                                                18000                A JS
        SUSAP KSMFK2FR16RY AYUBBA 020TUDORK2EA0EE B 010TF                    11850115    + 02000                              A JS
        SUSAP KSMFK2FR16RY R      010TUDORK2EA0E  I    IF                                + 02000     18000                    A JS
        SUSAP KSMFK2FR16RY R      020JARNUK2EA1E  F 051TF                    16370113    + 01800                  RW16R K2PGA JS
        SUSAP KSMFK2FR16RY R      020JARNUK2EA2WALPV       ALNAV/VNAV ALNAV                                                      JS
        SUSAP KSMFK2FR16RY R      030RW16RK2PG0GY M 031TF                    16380054      00082             -300           A JS
        SUSAP KSMFK2FR16RY R      040         0  M     CA                    1638        + 00500                              A JS
        SUSAP KSMFK2FR16RY R      050GRIMEK2EA0EY  R   DF                                + 02000                              A JS
        SUSAP KSMFK2FR16RY R      060GRIMEK2EA0EE  R   HM                    32900040    + 02000                              A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSMFK2GRW16R   0085981638 N38422642W121360390+0000    -0023000025000057150I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSMFK2PR16RY RW16R001Y0000W16A0N3842264235W12136038960-002300300N3840572400W121360539001067501280005 67F400350B1F46CD4
        SUSAP KSMFK2PR16RY RW16R002E      +00076+00076LPV       65728
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 27 THRE: 25	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 16R
SACRAMENTO, CA	AIRPORT NAME: SACRAMENTO INTL	RNAV	RNAV (GPS) Y RWY 16R, AMDT 1	AMDT: ORIG-D
				DATED: 09/25/2008

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

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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```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KSMFK2SRW16RK2PG                0   18018004325                                                                        M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 27 THRE: 25	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 16R
SACRAMENTO, CA	AIRPORT NAME: SACRAMENTO INTL	RNAV	RNAV (GPS) Y RWY 16R, AMDT 1	AMDT: ORIG-D
				DATED: 09/25/2008

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

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:

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 SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	SAC	SAC	010		IF		FB					
	SAC	TUDOR	020		TF		FO	2.0	339.3(356.3T)	032.6	AA 02000	
	SAC	TUDOR	030	IAF	HF	R	FO		163.7(180.7T)	004.0	AA 02000	
	YUBBA	YUBBA	010	IAF	IF		FB					
	YUBBA	TUDOR	020		TF		FB	1.0	118.5(135.5T)	011.5	AA 02000	
		TUDOR	010	FACF	IF		FB				AA 02000	
		JARNU	020	FAF	TF		FB	0.5	163.7(180.7T)	011.3	AA 01800	
		RW16R	030	MAP	TF		FO	0.3	163.8(180.8T)	005.4	AT 00082	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		163.8(180.8T)		AA 00500	
	GRIME	050		DF	R	FO				AA 02000	
	GRIME	060		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	N382637.17	W1213305.84	N3826.620	W12133.097
	GRIME	N390049.33	W1214401.81	N3900.822	W12144.030
	JARNU	N384750.49	W1213558.46	N3847.842	W12135.974
	TUDOR	N385911.49	W1213547.25	N3859.192	W12135.788
	YUBBA	N390725.78	W1214609.77	N3907.430	W12146.163
	RW16R	N384226.42	W1213603.90	N3842.440	W12136.065

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW16R	00025	57

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 27 THRE: 25	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 16R
SACRAMENTO, CA	AIRPORT NAME: SACRAMENTO INTL	RNAV	RNAV (GPS) Y RWY 16R, AMDT 1	AMDT: ORIG-D
				DATED: 09/25/2008

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

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.
FEEDER	SAC VORTAC	TUDOR	1. TOWER (06-000037)	383811.00N/1213314.00W	527 (4D)	1000	AT473	2000
			2. TERRAIN	384951.00N/1213533.00W	99 (100)		AS1500	1600
INITIAL	YUBBA	TUDOR	3. TOWER (06-000041)	390622.00N/1213923.00W	238 (4D)	1000	AT762	2000
			4. TERRAIN	385942.00N/1213445.00W	105 (100)		AS1500	1600
INTERMEDIATE	TUDOR (IF/IAF)	JARNU	5. T-L TWR (06-000844)	385354.00N/1213545.00W	310 (4D)	500	DG990	1800
			2. TERRAIN	384951.00N/1213533.00W	99 (100)		AS1500	1600
FINAL: LPV	JARNU	RW16R				ASC		225/200
FINAL: LNAV/VNAV	JARNU	RW16R	6. TREE (KSMF0018)	384320.70N/1213614.68W	134 (1A)	23.44:1	MA29	324/299
FINAL: LNAV	JARNU	RW16R	6. TREE (KSMF0018)	384320.70N/1213614.68W	134 (1A)	250		400
2. HOLD-IN-LIEU-OF-PT	TUDOR	P-4	7. AAO	385941.98N/1213445.23W	305 (4E)	1000	DG695	2000
			8. TERRAIN	385941.98N/1213445.23W	105 (100)		AS1500	1600
3. MISSED APPROACH — MAP:	DA / DA / RW16R	GRIME	9. LIGHT (KSMFT0301)	384142.90N/1213534.60W	252 (2C)	ASC	AC20	2000
			10. TOWER (06-002117)	383926.00N/1214316.00W	532 (5D)	1000		1600
ELEV:	56/163/300		11. TERRAIN	385757.00N/1215030.00W	168 (200)		AS1500	1700

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL							
CATEGORY A	1.3 NM	350	413	6. TREE (KSMF0018)	384320.70N/1213614.68W	134 (1A)	300		440
CATEGORY B	1.5 NM	450	453	6. TREE (KSMF0018)	384320.70N/1213614.68W	134 (1A)	300	HAA	480
CATEGORY C	1.7 NM	450	453	6. TREE (KSMF0018)	384320.70N/1213614.68W	134 (1A)	300	HAA	480
CATEGORY D	2.3 NM	550	553	6. TREE (KSMF0018)	384320.70N/1213614.68W	134 (1A)	300	HAA	580
CATEGORY E	4.5 NM	550							

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW16R

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	AAO	248/ 27.8	3257 (6A)	4300					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 27 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
SACRAMENTO, CA	SACRAMENTO INTL	RNAV	RNAV (GPS) Y RWY 16R, AMDT 1	AWP

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
ZOA ARTCC SAC APP CON SMF TOWER	N W S F A A A / C	OTHER: ASOS	SOURCE: KSMF DISTANCE: HOURS REMOTE OPERATION:
SATISFACTORY ON:			
X V H F X U H F H F	LOCATION: KSMF		ADJUSTMENT: 0

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: 24.8
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: 56.7
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

QUALITY CHECKED

PART D - PREPARED BY: ADOLFO URRUTIA (ROSS F. BARTO)	DATE: 11/01/2011
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-354

PART C - REMARKS:

FLIGHT CHECK RDH 56.7 FT, (ORDER 8260.3B CHG 19).

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

BACK-UP ALTIMETER NOT REQUIRED, MULTIPLE SOURCES.

LPV SLOPE: 34:1
LNAV/VNAV SLOPE: 23.44:1

VGSI DATA: 3.00/TCH 72.2

AVERAGE COLD TEMPERATURE DATA NOT AVAILABLE, AVERAGE COLD TEMPERATURE BASED ON STANDARD -30 C ISA DEVIATION.

TERPS VOLUME 1, VISUAL PORTION OF FINAL PENETRATIONS:
20:1 PENETRATIONS:
RWY 34R:
34 ROAD (KSMFT0266) 384058.07N/1213450.45W (8.81)
34 ROAD (KSMFT0274) 384056.98N/1213450.48W (3.30)

TREE HEIGHT 50 FT PER FPT.

25 DEGREE BANK ANGLE USED IN MISSED APPROACH SEGMENT.

SEE ATTACHED AIRSPACE LETTER.

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) RWY 34L		2	KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) RWY 34R		2	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)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 10 **DATE OF REVISION:** 04/05/2012

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:** **OFFICE:** AJV-354 **NAME:** DEZ SILAGYI

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JARNU **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 384750.49N/1213558.46W **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-SMF	LOC/DME		345.75	000.75	7.26	7.24	43986	1800	4500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 16R	1		KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 16R (CAT II, III)	1		KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 16R (SA CAT I)	1		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 16R			KSMF	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP, CONTROLLER

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
1. REMOVED FAC 2 AND 3.
2. REVISED FIX COORDINATES, FIX MOVED 561.62 FT NORTH TO NEW PFAF LOCATION.
3. REVISED FAC 1 BEARING, DME DISTANCE, ADDED DIST FROM FAC AND LOWERED MAA TO 4500.
4. DELETED HOLDING.
5. UPDATE FIX USE.

DEVELOPED BY: **DATE:** 10/26/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (ROSS BARTO)

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: WST
ARTCC: ZOA
ATC FACILITY: KSMF
OTHER: NORCAL APCH

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TUDOR **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 385911.49N/1213547.25W **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-SMF	LOC/DME		345.75	000.75	18.60	18.58		2000	10000
2	WILLIAMS	ILA	VORTAC	L	086.00	104.00		20.77		2000	17500
3	SACRAMENTO	SAC	VORTAC	H	339.31	356.31	32.61	32.61		2000	17500

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-SMF	LOC/DME	R-346	19	2000	10000

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	N		WP	343.74	163.74	R		4	2000	6000	4	6

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	385942.00N/1213445.00W	305	4E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
SACRAMENTO (FAC 1) AND WILLIAMS (FAC 2) USED TO ESTABLISH FIX COORDINATES
LOC DME COORDINATES: 384034.70N/1213603.05W
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 16R	1, 2, 3		KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 16R (CAT II, CAT III)	1, 2, 3		KSMF	SACRAMENTO	CA (US)
IAP	ILS RWY 16R (SA CAT I)	1, 2, 3		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 16R		1	KSMF	SACRAMENTO	CA (US)
STAR	TUDOR	1, 2, 3		KSMF	SACRAMENTO	CA (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:
1. REMOVE FAC 4 AND 5.
2. ADDED DIST FROM FAC FOR FAC 1/2/3.
3. ADDED ESV FOR FAC 1.
4. ADDED LOC DME COORDINATES.
5. ADDED PRECIPITOUS TERRAIN EVALUATION.
6. REVISED HOLDING.
7. UPDATED FIX USE.
8. REVISED FAC 1 BEARING AND DISTANCES.

DEVELOPED BY: **DATE:** 10/26/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (ROSS BARTO)

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

SIGNATURE:

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

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

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

LATITUDE/LONGITUDE: 382637.17N/1213305.84W **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	45000	4	29
2	S	SAC	VORTAC	196.01	016.01	R	1-1 1/2		1400	45000	4	29
3	SW		WP	228.99	048.99	R		4	2000	14000	4	11

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

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

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			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)
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)

QUALITY CHECKED

INFO ONLY

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 34L		KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) RWY 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 (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: 17 **DATE OF REVISION:** 08/25/2011

REASON FOR REVISION:
UPDATED FIX USE.
REMOVED REMARK KMHR MAG VAR: 17E/1980.
UPDATED REQUIRED CHARTING.

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:
OTHER:

QUALITY CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: YUBBA **STATE:** CA **COUNTRY:** US

LATITUDE/LONGITUDE: 390725.78N/1214609.77W **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	DIST FROM FAC FEET	MRA	MAA
1	SACRAMENTO	SAC	VORTAC	H	329.00	346.00	42.03	42.03		4000	17500
2	WILLIAMS	ILA	VORTAC	L	057.23	075.23	12.45	12.45		4000	17500
3	MARYSVILLE	MYV	VOR/DME	T	263.41	279.41	9.29	9.29		1600	12000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
SAC	VORTAC	R-329	43	40	146

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	NW	SAC	VORTAC	329.00	149.00	R	1-1 1/2		4000	17500	6	18
2	SE	SAC	VORTAC	329.00	329.00	R	1		4000	10000	6	11
3	SE		WP	150.00	330.00	R		4	4000	17500	5	17
4	E	MYV	VOR/DME	263.41	263.41	R	1		4000	14000	4	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (06-020287)	391220.00N/1214914.00W	2353	5E
2	200	TOWER (06-020287)	391220.00N/1214914.00W	2353	5E
3	200	TOWER (06-020287)	391220.00N/1214914.00W	2353	5E
4	200	TOWER (06-020287)	391220.00N/1214914.00W	2353	5E
4	310	TOWER (06-020287)	391220.00N/1214914.00W	2353	5E

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS

PROCEDURES REQUIRING CLIMB-IN-HOLD:

PAT	PROCEDURE TITLE	AIRPORT IDENT	CITY	STATE
4	ILS OR LOC RWY 14	KMYV	MARYSVILLE	CA (US)

REMARKS:
SACRAMENTO (FAC 1) AND WILLIAMS (FAC 2) AND MARYSVILLE (FAC 3) USED TO ESTABLISH FIX COORDINATES
PAT 2 CHART FAC 1 & 2
PAT 4 CHART FAC 1 & 3
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V200	1, 2				(US)
EN ROUTE	V23	1, 2	1			CA (US)
IAP	VOR OR GPS-A			KGOO		CA (US)
IAP	ILS OR LOC RWY 15	1, 2, 3		KLHM	LINCOLN	CA (US)
IAP	RNAV (GPS) RWY 15			KLHM	LINCOLN	CA (US)
IAP	ILS OR LOC RWY 14	1, 2, 3	4	KMYV	MARYSVILLE	CA (US)
IAP	RNAV GPS RWY 14		3	KMYV	MARYSVILLE	CA (US)
IAP	VOR RWY 32	1, 2, 3	2	KMYV	MARYSVILLE	CA (US)
IAP	RNAV (GPS) RWY 1			KOVE	OROVILLE	CA (US)
IAP	VOR-A	3		KOVE	OROVILLE	CA (US)
IAP	RNAV (GPS) Y RWY 16L			KSMF	SACRAMENTO	CA (US)
IAP	RNAV (GPS) Y RWY 16R			KSMF	SACRAMENTO	CA (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
UPDATED ESV INFORMATION.

DEVELOPED BY: **DATE:** 08/12/2011 **OFFICE:** AJV-354 **NAME:** ADOLFO URRUTIA (PHILLIP BRANDENBURG)

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

QUALITY CHECKED

INFO ONLY

SIGNATURE:

DISTRIBUTION:

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

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **SACRAMENTO** STATE: **CA**

AIRPORT NAME: **SACRAMENTO INTL** ID: **KSMF**

PROCEDURE: **RNAV (GPS) Y RWY 16R** AMDT: **1**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **2.88**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **180.75**
4. High Terrain in **FINAL** segment containing 1000' point **43**
5. Distance from **THLD** to 1500' point **4.78**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.25**
7. True Course of **FINAL** segment containing 1500' point **180.75**
8. High Terrain in **FINAL** segment containing 1500' point **43**
9. Threshold Coordinates (if straight-in) ... **384226.42N** / **1213603.90W**
10. ARP Coordinates ..... **384143.60N** / **1213526.80W**
11. Runway Approach End and distance furthest from ARP.....RWY **34R**
    Distance **0.86** NM
12. FAF Coordinates ..... **384750.49N** / **1213558.48W**
    (Click to Select)

REMARKS: Approach/Drawing attached.