

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks 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 feet RVR.

<u>AIRPORT</u> SACRAMENTO INTL	<u>AIRPORT ID</u> KSMF	<u>PROCEDURE NAME</u> RNAV (GPS) Y RWY 17R	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> SACRAMENTO	<u>STATE</u> CA	
<u>AIRPORT ELEVATION</u> 27	<u>TDZE</u> 25	<u>SUPERSEDED</u> RNAV (GPS) Y RWY 16R	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 08/17/2017	<u>MAG VAR</u> 13E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MAY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TERMINAL ROUTES**

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
TENCO	IAF	FAPIN		TF	FB	1.00	237.08	10.55	1800
TUDOR	IAF	FAPIN		TF	FB	1.00	167.74	9.33	1800
FAPIN	IF	JARNU		TF	FB	1.00	167.75	2.01	1800
JARNU	FAF	AMUNE/3.20 NM TO RW17R		TF	FB	0.30	167.75	2.20	
AMUNE/3.20 NM TO RW17R		RW17R	MAP	TF	FO	0.30	167.75	3.20	
RW17R	MAP	500 MSL		CA			167.75		500
500 MSL		GRIME		DF	FO	1.00			2000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW17R

**MISSED APPROACH INSTRUCTIONS:**

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

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2.	PROFILE STARTS AT FAPIN				
3. FAC:	167.75	FAF: JARNU	DIST FAF TO MAP: 5.40	DIST FAF TO THLD: 5.40	
4. MIN ALT:	FAPIN 1800, JARNU 1800, AMUNE/3.20 NM TO RW17R 1100*				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.45	GS ANT:
6. MIN GP INCPT: 1800	GP ALT AT FAF : JARNU 1800		OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 56.7		
8. MSA FROM:	RW17R 4300				

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA E OF RWY 17R-35L.  
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.  
CHART NOTE: USE OF FD OR AP REQUIRED DURING SIMULTANEOUS OPERATIONS.  
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -4°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
\*LNAV ONLY  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO RVR 4500 AND LNAV ALL CATS VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON  
CHART VDP AT 0.95 NM TO RW17R\*  
\*LNAV ONLY  
WAAS CHANNEL #65728  
REFERENCE PATH ID: W17A  
CHART FAS OBST: 134 TREE 384321N/1213615W.  
HOLD SE, RT, 333.00 INBOUND  
LTP HAE: -23 M



MINIMUMS:  
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	225	1800	200	225	1800	200	225	1800	200	225	1800	200			
LNAV/VNAV DA	323	2400	298	323	2400	298	323	2400	298	323	2400	298			
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			

CHANGES - REASONS

1. UPDATED RWY 16R TO RWY 17R - RUNWAY RENUMBERING.
2. UPDATED TERMINAL ROUTE FROM JARNU TO AMUNE/3.20 NM TO RW16R TO JARNU TO AMUNE/3.20 NM TO RW17R - RUNWAY RENUMBERING.
3. UPDATED TERMINAL ROUTE FROM AMUNE/3.20 NM TO RW16R TO RW16R TO AMUNE/3.20 NM TO RW17R TO RW17R - RUNWAY RENUMBERING.
4. UPDATED TERMINAL ROUTE FROM RW16R TO 500 MSL TO RW17R TO 500 MSL - RUNWAY RENUMBERING.
5. UPDATED MISSED APPROACH FROM LNAV: RW16R TO LNAV: RW17R - RUNWAY RENUMBERING.
6. LINE 4: UPDATED AMUNE/3.20 NM TO RW16R 1100\* TO AMUNE/3.20 NM TO RW17R 1100\* - RUNWAY RENUMBERING.
7. LINE 5: ADDED 200 HAT: 0.45 - THIS DISTANCE TO THLD FROM 200 HAT DATA WAS MOVED FROM ADDITIONAL FLIGHT DATA IN THE PREVIOUS SIAP VERSION.
8. LINE 7: ADDED NOTE: 20:1 IS CLEAR - IAW 8260.19H 8-6-7G(3).
9. LINE 8: UPDATED FROM RW16R 4300 TO RW17R 4300 - RUNWAY RENUMBERING.
10. NOTES: DELETED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H 8-6-8B(1).
11. NOTES: REMOVED FAHRENHEIT VALUES FROM UNCOMPENSATED BARO-VNAV SYSTEMS NOTE - IAW 8260.19H 8-6-9S.
12. NOTES: UPDATED CHART NOTE: FROM CIRCLING NA E OF RWY 16R-34L TO CIRCLING NA E OF RWY 17R-35L - RUNWAY RENUMBERING.
13. ADDL FLIGHT DATA: UPDATED CHART VDP AT 0.95 MILES TO RW16R\* TO CHART VDP AT 0.95 NM TO RW17R\* - RUNWAY RENUMBERING.
14. ADDL FLIGHT DATA: UPDATED REFERENCE PATH ID FROM W16A TO W17A - RUNWAY RENUMBERING.
15. TERMINAL ROUTE 500 MSL TO GRIME: ADDED RNP 1.0 - IAW 8260.58A TABLE 1-2-1.
16. NOTES: DELETED CHART PLANVIEW NOTE: RADAR REQUIRED - IAW 8260.19H 8-6-9G(2).
17. NOTES: UPDATED CHART NOTE: FOR INOPERATIVE ALSF-2... TO CHART NOTE: FOR INOPERATIVE ALS... - IAW 8260.19H 8-6-11O(3)(D).
18. INCORPORATED AMDT 2B P-NOTAM.
19. NOTES: UPDATED FROM CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 16L TO CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED - IAW 8260.19H 8-6-11.O(7)(A).
20. FAS DATA BLOCK INFORMATION: UPDATED RUNWAY FROM RW16L TO RW 17L.
21. CRC REMAINDER UPDATED FROM AA1E3286 TO 19DCDD03.

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZOA, NORCAL APP CON, SMF ATCT, WESTERN FPT, AMGR

FLIGHT CHECKED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE

DATE

Digitally signed by  
ALLAN WILL  
Apr 13, 2020

DEVELOPED BY

MARK CIARLONE  
Digitally signed by  
MARK CIARLONE  
Apr 07, 2020

OFFICE

AJV-A423

DATE

12/17/2019

APPROVED BY

MARLON ROBINSON

OFFICE

AJV-A420

DATE

Digitally signed by  
ALLAN WILL  
Apr 13, 2020

TITLE  
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSMF
RUNWAY	RW17R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	Y
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W17A
LTP/FTP LATITUDE	384226.4235N
LTP/FTP LONGITUDE	1213603.8960W
LTP/FTP ELLIPSOIDAL HEIGHT	-00230
FPAP LATITUDE	384057.2430N
FPAP LONGITUDE	1213605.3840W
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	19DCDD03

ADDITIONAL PATH POINT RECORD INFORMATION

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

