

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.29**

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 ID</u> KSMF	<u>PROCEDURE NAME</u> ILS OR LOC RWY 17R ILS RWY 17R (SA CAT I), ILS RWY 17R (CAT II), ILS RWY 17R (CAT III)	<u>ORIGINAL/AMENDMENT</u> 16E	<u>CITY</u> SACRAMENTO	<u>STATE</u> CA			
<u>AIRPORT ELEVATION</u> 27	<u>TDZE</u> 25	<u>SUPERSEDED</u> ILS OR LOC RWY 17R ILS RWY 17R (SA CAT I), ILS RWY 17R (CAT II), ILS RWY 17R (CAT III)	<u>ORIGINAL/AMENDMENT</u> 16D	<u>DATED</u> 07/16/2020	<u>MAG VAR</u> 13E	<u>EPOCH YEAR</u> 2020	
<u>FACILITY</u> I-SMF	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 23 FEBRUARY 2023	<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 INT/I-SMF 18.60 DME	IAF	FAPIN/I-SMF 9.27 DME/RADAR					167.75	9.33 (I-SMF)	1800
FAPIN/I-SMF 9.27 DME/RADAR	IF	JARNU/I-SMF 7.26 DME/RADAR					167.75	2.01 (I-SMF)	1800

MISSED APPROACH

MAP:

ILS: DA
LOC: 5.40 NM AFTER JARNU/I-SMF 7.26 DME/RADAR OR AT I-SMF 1.86 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 ON HEADING 350 AND SAC VORTAC R-329 TO GRIME INT/SAC 35.22 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 ON HEADING 270 AND ILA VORTAC R-130 TO ILA VORTAC AND HOLD.



AIRPORT ID
KSMF

PROCEDURE NAME
ILS OR LOC RWY 17R
ILS RWY 17R (SA CAT I),
ILS RWY 17R (CAT II),
ILS RWY 17R (CAT III)

ORIGINAL/AMENDMENT
16E

CITY
SACRAMENTO

STATE
CA

PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT FAPIN

3. FAF: 167.75 FAF: JARNU/I-SMF 7.26 DME/RADAR DIST FAF TO MAP: 5.40 DIST FAF TO THLD: 5.40

4. MIN ALT: FAPIN/I-SMF 9.27 DME/RADAR 1800, JARNU/I-SMF 7.26 DME/RADAR 1800, KAYEG/I-SMF 3.16 DME 480

5. DIST TO THLD FROM OM: MM: IM: 776 150 HAT: 1780 GS ANT: 1074

6. MIN GS INCPT: 1800 GS ALT AT PFAF : JARNU/I-SMF 7.26 DME/RADAR 1800 OM: MM: IM: 122

7. GS ANGLE: 3.00 34:1: 20:1: TCH: 56.7

8. MSA FROM: SAC VORTAC 110-200 3100, 200-290 4100, 290-110 2700

PBN REQUIREMENTS NOTE:

RNP APCH-GPS. FROM TENCO.

EQUIPMENT REQUIREMENTS NOTE:

AIRCRAFT NOT GPS EQUIPPED - RADAR REQUIRED FOR PROCEDURE ENTRY.
DME OR RADAR REQUIRED.

NOTES:

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 17R: CAT A, B, C, D, RA 154, RVR 1400, HAT 150, DA 175 MSL.
CAT II ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 17R: CAT A, B, C, D, RA 103, RVR 1200, HAT 100, DA 125 MSL.
CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 17R: CAT A, B, C, D, RVR 600
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CAT I CHART NOTE: CIRCLING NA E OF RWY 17R-35L.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON
HOLD SE, RT, 329.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E ILA VORTAC, RT, 279.00 INBOUND.
CHART FAS OBST: 134 TREE 384321N/1213615W.
CHART IN PLANVIEW: ILA VORTAC.
CHART MANDATORY 4000 AT TENCO.



MINIMUMS:

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

ALTERNATE: NA ☐ ILS: STANDARD; LOC: 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
S-ILS 17R	225	1800	200	225	1800	200	225	1800	200	225	1800	200			
S-LOC 17R	480	2400	455	480	2400	455	480	4500	455	480	4500	455			
CIRCLING	480	1	453	480	1	453	480	1 1/2	453	580	2	553			
KAYEG FIX MINIMUMS (DME REQUIRED)															
S-LOC 17R	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. CHANGES FROM P-NOTAM FOR AMDT 16D INCORPORATED INTO FORM - REQUIRED IAW 8260.19I PARA 8-3-4C(3).
2. PROFILE LINE 4: REMOVED “*” FROM KAYEG/I-SMF 3.16 DME 480 - NO LONGER REQUIRED PER CURRENT CRITERIA.
3. EQUIPMENT REQUIREMENT NOTES: CHANGE FROM TENCO: RNAV 1-GPS REQUIRED TO PBN REQUIREMENTS NOTE: RNP APCH-GPS. FROM TENCO - UPDATED FORMATTING PER CURRENT CRITERIA.
4. EQUIPMENT REQUIREMENT NOTES: CHANGED NOTE RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY TO AIRCRAFT NOT GPS EQUIPPED - RADAR REQUIRED FOR PROCEDURE ENTRY - PER 8260.19I 8-6-8C MEMO.
5. NOTES: UPDATED SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH TO SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL - UPDATED FORMATTING PER CURRENT CRITERIA.
6. ADDITIONAL FLIGHT DATA: REMOVED *LOC ONLY - NO LONGER REQUIRED PER CURRENT CRITERIA.
7. ADDITIONAL FLIGHT DATA: ADDED CHART MANDATORY 4000 AT TENCO - TO COINCIDE WITH THE SLMMR STAR.

COORDINATED WITH:A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZOA, NORCAL APP CON, SMF ATCT, WESTERN FPT, AMGR**FLIGHT CHECKED BY**

TERRY HESTER

Digitally signed by
DAVID TEFFETELLER
Dec 27, 2022**OFFICE**

FPO

DATE

12/21/2022

DEVELOPED BY

TARA MARTINELLI

Digitally signed by
TARA N MARTINELLI
Nov 14, 2022**OFFICE**

AJV-A431

DATE

11/14/2022

APPROVED BY

ERIC N SUSKI

Digitally signed by
ERIC N SUSKI
Nov 21, 2022**OFFICE**

AJV-A431

DATE**TITLE**
MANAGER