

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</u> SACRAMENTO INTL	<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> 16C	<u>CITY</u> SACRAMENTO	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 27	<u>TDZE</u> 25	<u>SUPERSEDED</u> ILS OR LOC RWY 16R ILS RWY 16R (SA CAT I), ILS RWY 16R (CAT II), ILS RWY 16R (CAT III)	<u>ORIGINAL/AMENDMENT</u> 16B	<u>DATED</u> 06/25/2015	<u>MAG VAR</u> 13E
<u>FACILITY</u> I-SMF	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 21 MAY 2020	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2020

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/I-SMF 9.27 DME/RADAR		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.

PROFILE:

- PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- PROFILE STARTS AT FAPIN
- FAC:** 167.75 **FAF:** JARNU/I-SMF 7.26 DME/RADAR **DIST FAF TO MAP:** 5.40 **DIST FAF TO THLD:** 5.40
- 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*
- DIST TO THLD FROM OM:** **MM:** **IM:** 776 **150 HAT:** 1780 **GS ANT:** 1074
- MIN GS INCPT:** 1800 **GS ALT AT FAF :** JARNU/I-SMF 7.26 DME/RADAR 1800 **OM:** **MM:** **IM:** 122
- GP ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 56.7
- MSA FROM:** SAC VORTAC 110-200 3100, 200-290 4100, 290-110 2700



EQUIPMENT REQUIREMENTS NOTES:

RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY.
FROM TENCO: RNAV 1-GPS REQUIRED.
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 700
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED.
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL AND USE OF HUD TO DH.
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
*LOC ONLY
CHART IN PLANVIEW: WILLIAMS VORTAC
CHART FAS OBST: 134 TREE 384321N/1213615W.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E WILLIAMS VORTAC, RT, 279.00 INBOUND.
HOLD SE, RT, 329.00 INBOUND

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 (DUAL VOR RECEIVERS OR 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			



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
SACRAMENTO INTL	KSMF	ILS OR LOC RWY 17R ILS RWY 17R (SA CAT I), ILS RWY 17R (CAT II), ILS RWY 17R (CAT III)	16C	SACRAMENTO	CA

CHANGES - REASONS

1. UPDATED RWY 16R TO RWY 17R - RUNWAY RENUMBERING.
2. NOTES: MOVED CHART NOTE: DME OR RADAR REQUIRED TO PBN REQUIREMENTS NOTE: EQUIPMENT REQUIREMENTS NOTE: DME OR RADAR REQUIRED - IAW 8260.19H 8-6-8A.
3. NOTES: UPDATED CHART NOTE: FROM CIRCLING NA E OF RWY 16R-34L TO CAT I CHART NOTE: CIRCLING NA E OF RWY 17R-35L - RUNWAY RENUMBERING.
4. NOTES: UPDATED CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 16L TO CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED - RUNWAY RENUMBERING AND IAW 8260.19H 8-6-11.O(7)(A).
5. NOTES: ALL THREE SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED NOTES REFERENCING S-ILS 16R WERE UPDATED AND CHANGED TO S-ILS 17R - RUNWAY RENUMBERING.
6. ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART): DELETED , OR AS DIRECTED BY ATC. - TERMINOLOGY NO LONGER USED.
7. NOTES: DELETED CHART PLANVIEW NOTE: RADAR REQUIRED - SEE NOTE 9.
8. NOTES: DELETED CHART PLANVIEW NOTE ADJACENT TO TENCO IAF: GPS REQUIRED - SEE NOTE 10.
9. EQUIPMENT REQUIREMENTS NOTES: ADDED RNAV 1-GPS OR RADAR REQUIRED FOR PROCEDURE ENTRY - IAW 8260.19H 8-6-8A.
10. EQUIPMENT REQUIREMENTS NOTES: ADDED FROM TENCO: RNAV 1-GPS REQUIRED - IAW 8260.19H 8-6-8A.
11. NOTES: UPDATED FROM CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS- 16R: CAT IIIA CAT A,B,C,D, RVR 700. CAT IIIB CAT A,B,C,D, RVR 600. CAT IIIC NA TO CAT III ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 17R: CAT A, B, C, D RVR 700.

COORDINATED WITH:

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

FLIGHT CHECKED BY

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

DEVELOPED BY

MARK CIARLONE *Digitally signed by*
MARK CIARLONE
Apr 10, 2020

APPROVED BY

MARLON ROBINSON

OFFICE

OFFICE
AJV-A423

OFFICE
AJV-A420

DATE

DATE
12/30/2019

DATE

Digitally signed by
ALLAN WILL
Apr 13, 2020

Digitally signed by
ALLAN WILL
Apr 13, 2020

TITLE
MANAGER

