

**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> NAPA COUNTY	<u>AIRPORT ID</u> KAPC	<u>PROCEDURE NAME</u> ILS OR LOC Z RWY 1L	<u>ORIGINAL/AMENDMENT</u> 1	<u>CITY</u> NAPA	<u>STATE</u> CA
<u>AIRPORT ELEVATION</u> 36	<u>TDZE</u> 17	<u>SUPERSEDED</u> ILS OR LOC Z RWY 36L	<u>ORIGINAL/AMENDMENT</u> ORIG-D	<u>DATED</u> 02/28/2019	<u>MAG VAR</u> 15E
<u>FACILITY</u> I-APC	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019	<u>REQUIRED EFFECTIVE DATE</u> 10/10/2019	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2005

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SGD VORTAC		FESAV INT/I-APC 12.53 DME					162.31	9.00	2600
REBAS/SAU 8.35 DME	IAF	FESAV INT/I-APC 12.53 DME	NOPT				321.00 & 005.74	1.85(HDG) & 3.86 (I-APC)	2600
FESAV INT/I-APC 12.53 DME	IF/IAF	CIKPI INT/I-APC 6.52 DME					005.74	6.01 (I-APC)	1800

MISSED APPROACH

MAP:
ILS: DA
LOC: 5.45 NM AFTER CIKPI OR AT I-APC 1.07 DME

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING LEFT TURN TO 3200 DIRECT SGD VORTAC AND ON SGD VORTAC R-230 TO BURDE INT/SGD 11.31 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3200.

ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):

CLIMB TO 580 THEN CLIMBING LEFT TURN TO 3800 ON SAU VOR/DME R-003 TO DYKEE/13.00 DME AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3800.

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD S FESAV, RT, 005.74 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 4500.
- FAC: 005.74 FAF: CIKPI INT/I-APC 6.52 DME DIST FAF TO MAP: 5.45 DIST FAF TO THLD: 5.45
- MIN ALT: FESAV INT/I-APC 12.53 DME 2600, CIKPI INT/I-APC 6.52 DME 1800, ROOSE INT/I-APC 2.43 DME 500*
- DIST TO THLD FROM OM: MM: IM: 150 HAT: GS ANT: 983
- MIN GS INCPT: 1800 GS ALT AT FAF : CIKPI INT/I-APC 6.52 DME OM: MM: IM:
- GP ANGLE: 3.00 1800 34:1: 20:1: TCH: 50.0
- MSA FROM: SGD VORTAC 090-180 5000, 180-270 3800, 270-090 4300

EQUIPMENT REQUIREMENTS NOTES:



NOTES:

CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 530.
 CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 1L.
 CHART NOTE: CIRCLING CATS A/B/C NA NE OF RWYS 19R AND 24. CIRCLING CAT D NA E OF RWY 19L-1R.
 CHART NOTE: CIRCLING RWY 6 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

CHART IN PLANVIEW: CCR VOR/DME R-250 AT FESAV.
 *LOC ONLY.
 CHART CIRCLING ICON.
 CHART IN PLANVIEW: DYKEE INT/SAU 13.00 DME
 CHART FAS OBST: 104 TREE 381153N/1221711W.
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S DYKEE INT/SAU 13.00 DME, RT, 003.00 INBOUND.
 HOLD NE, RT, 230.00 INBOUND

MINIMUMS:

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

ALTERNATE: NA ILS: STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.; LOC: STANDARD - CAT C, D 1300-3, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

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 01L	217	3/4	200	217	3/4	200	217	3/4	200	217	3/4	200				
S-LOC 01L	500	3/4	483	500	3/4	483	500	1 1/8	483	500	1 1/8	483				
CIRCLING	600	1	564	680	1	644	1280	3	1244	1300	3	1264				
ROOSE FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)																
S-LOC 01L	360	3/4	343	360	3/4	343	360	3/4	343	360	3/4	343				
CIRCLING	600	1	564	680	1	644	1280	3	1244	1300	3	1264				



CHANGES - REASONS

1. CHANGED ALL REFERENCES FROM RUNWAY 36L TO RUNWAY 1L. - RUNWAYS 36 L/R AND 18 L/R RENUMBERED TO 1 L/R AND 19 L/R.
2. CHANGED S-LOC 1L MDA/HAT FROM 680/656 TO 500/483 AND CATS C/D VISIBILITY FROM 1 3/4 TO 1 1/8 SM. - NEW LOC CONTROLLING OBSTACLE AND MAP STUDY.
3. CHANGED S-LOC 1L ROOSE FIX MDA/HAT FROM 460/436 TO 360/343 AND CATS C/D VISIBILITY FROM 1 TO 3/4SM. - NEW ROOSE MINIMUMS CONTROLLING OBSTACLE MA NO LONGER NEEDED, AND MAP STUDY.
4. CHANGED FAS OBSTACLE IN ADDITIONAL FLIGHT DATA FROM 65 GRD 381207N/1221721W TO 104 TREE 381153N/1221711W. - OBSTACLE DATA BASE UPDATE.
5. MOVED FIX ROOSE 0.67 NM NORTH. - ACCOMMODATE NEW LOWER ROOSE FIX MINIMUMS WHILE REMAINING ON STABILIZED GLIDEPATH.
6. ADDED CIRCLING RESTRICTION: CIRCLING CATS A/B/C NA NE OF RWYS 19R AND 24. CIRCLING CAT D NA E OF RWY 19L-1R. - ATC REQUEST.
7. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA AND CHANGED CIRCLING MINIMUMS MDA/HAT -VIS FROM CAT A 700/664-1, CAT B 820/784-1, CAT C 920/884-2 3/4, AND CAT D 1180/1144-3 TO CAT A 600/564-1, CAT B 620/584-1, CAT C 1280/1244-3 AND CAT D 1300/1264-3. - NEW FAAO 8260.3D CIRCLING CRITERIA, NEW CIRCLING RESTRICTIONS, AND NEW LOWER S-LOC 1L MDA.
8. CHANGED ALTERNATE MISSED CLIMB TO ALTITUDE FROM 500 TO 580 AND MISSED APPROACH ALTITUDE FROM 3000 TO 3800. - NEW CALCULATIONS AND CLIMB-IN-HOLD REQUIREMENT.
9. CHANGED FEEDER SEGMENT DISTANCE FROM SGD VORTAC TO FESAV FROM 9.01 NM TO 9.00 NM. - NEW IAPA CALCULATIONS.
10. ADDED CHART NOTE: CIRCLING RWY 6 NA AT NIGHT. - RWY 6 20:1 PENETRATIONS CONFIRMED BY FPT.
11. CHANGED S-ILS 36L DA/HAT FROM 224/200 TO 217/200. - TDZE IS 17 MSL.
12. CHANGED MSA FOR SOUTHEAST SECTOR FROM 5100 TO 5000. - NEW CONTROLLING OBSTACLE.
13. ADDED CLIMB-IN-HOLD TO BOTH PRIMARY AND ALTERNATE MISSED APPROACH. - AIRCRAFT DOES NOT REACH MISSED APPROACH HOLDING ALTITUDE AT HOLDING POINT USING STANDARD CLIMB RATE.

COORDINATED WITH:

A4A
 ALPA
 AOPA
 APA
 HAI
 NBAA
 OTHER: ZOA, NORCAL TRACON, APC ATCT, APT MGR

FLIGHT CHECKED BY

Digitally signed by
DONALD H LANIER
 Aug 06, 2019

OFFICE

FICO

DATE

PENDING

DEVELOPED BY

LIAM DONAHUE

Digitally signed by
LIAM DONAHUE

OFFICE

AJV-A431

DATE

04/15/2019

APPROVED BY

LONNIE EVERHART

Jun 06, 2019
Digitally signed by
DONALD H LANIER

OFFICE

AJV-A430

DATE

TITLE
MANAGER

Aug 06, 2019

