

**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.

<b>AIRPORT ID</b> SNA	<b>PROCEDURE NAME</b> ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	<b>ORIGINAL/AMENDMENT</b> 14B	<b>CITY</b> SANTA ANA	<b>STATE</b> CA
<b>AIRPORT ELEVATION</b> 56	<b>TDZE</b> 54	<b>SUPERSEDED</b> ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	<b>ORIGINAL/AMENDMENT</b> 14A	<b>DATED</b> 11/03/2022
<b>FACILITY</b> I-SNA	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 26 DECEMBER 2024	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>MAG VAR</b> 12E
				<b>EPOCH YEAR</b> 2015

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SLI VORTAC		SAGER INT/I-SNA 17.32 DME					049.22	18.94	4000
SAGER INT/I-SNA 17.32 DME	IF/IAF	SNAKE INT/I-SNA 12.39 DME					195.92 (I-SNA)	4.93	3400
SNAKE INT/I-SNA 12.39 DME		HUKEM INT/I-SNA 9.96 DME					195.92 (I-SNA)	2.43	2800
HUKEM INT/I-SNA 9.96 DME		LEMON INT/I-SNA 7.76 DME					195.92 (I-SNA)	2.20	2200

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: 6.62 NM AFTER LEMON INT/I-SNA 7.76 DME OR AT I-SNA 1.14 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 ON I-SNA LOCALIZER S COURSE (196) TO MINOE INT/I-SNA 10.88 DME.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 1000 THEN CLIMBING RIGHT TURN TO 3000 DIRECT SLI VORTAC AND HOLD.

**PROFILE:**

- PT**                      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF**                      (IAF)
- HOLD N SAGER INT/I-SNA 17.32 DME, RT, 195.92 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 4500.
- FAC:** 195.92                      **FAF:** LEMON INT/I-SNA 7.76 DME                      **DIST FAF TO MAP:** 6.62                      **DIST FAF TO THLD:** 6.62
- MIN ALT:** SAGER INT/I-SNA 17.32 DME 3500, SNAKE INT/I-SNA 12.39 DME 3400, HUKEM INT/I-SNA 9.96 DME 2800, LEMON INT/I-SNA 7.76 DME 2200, DYERS INT/I-SNA 4.11 DME 1040
- DIST TO THLD FROM OM:**                      **MM:**                      **IM:**                      **150 HAT:**                      **167 HAT:** 2464                      **GS ANT:** 887
- MIN GS INCPT:** 2200                      **GS ALT AT PFAF:** LEMON INT/I-SNA 7.76 DME 2200                      **OM:**                      **MM:**                      **IM:**
- GS ANGLE:** 3.00                      **34:1:**                      **20:1:**                      **TCH:** 50.5
- MSA FROM:** SLI VORTAC 050-140 6900, 140-230 2900, 230-320 4400, 320-050 7700



**NOTES:**

SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 20R: CAT A, B, C, D, RA 201, RVR 1400, HAT 167, DA 221 MSL  
CHART PROFILE NOTE: VGSi AND ILS GLIDEPATH NOT COINCIDENT (VGSi ANGLE {ANGLE}/TCH {FEET}).  
SA CAT I CHART NOTE: REQUIRES SPECIFIC OPSPEC, MSPEC, OR LOA APPROVAL.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON SLI VORTAC AIRWAY RADIALS 058 CW 080.  
SA CAT I CHART NOTE: PROCEDURE NA WHEN TOWER CLOSED.  
CHART NOTE: \*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.  
CAT I CHART NOTE: CIRCLING RWY 20L NA AT NIGHT.

**ADDITIONAL FLIGHT DATA:**

CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE SLI VORTAC, LT, 300.00 INBOUND.  
CHART FAS OBST: 196 TRANSMISSION\_LINE (06-236320) 334248N/1175104W.  
CHART VDP AT 2.41 DME.  
DISTANCE VDP TO THLD 1.27 NM.  
CHART IN PLANVIEW: SLI VORTAC.  
CHART CIRCLING ICON.

**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: CAT A, B 1000-2, CAT C 1000-3, CAT D 1200-3, NA WHEN LOCAL WEATHER NOT AVAILABLE., NA WHEN CONTROL TOWER CLOSED.

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
S-ILS 20R*	255	2400	201	255	2400	201	255	2400	201	255	2400	201			
S-LOC 20R	1040	4000	986	1040	5500	986	1040	2 1/2	986	1040	2 1/2	986			
CIRCLING	1040	1 1/4	984	1040	1 1/2	984	1040	3	984	1180	3	1124			
<b>DYERS FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)</b>															
S-LOC 20R	460	2400	406	460	2400	406	460	4000	406	460	4000	406			
CIRCLING	640	1	584	640	1	584	840	2 1/4	784	1180	3	1124			

**CHANGES - REASONS**

1. MINIMUMS: RAISED CIRCLING CAT D MDA/HAA FROM 1160/1104 HAA TO 1180/1124 HAA – NEW CONTROLLING OBSTACLE.
2. ADDITIONAL FLIGHT DATA: CHANGED CHART VDP FROM 2.24 DME TO 2.41 AND VDP DISTANCE TO THLD FROM 1.10 TO 1.27 - TARGETS CALCULATED VDP POINT.
3. NOTES: UPDATED NOTES SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED; S-ILS 20R: CAT A, B, C, D, RA 201, RVR 1400, HAT 167, DA 221 MSL FROM ILS 20R TO ILS 20R\* - CURRENT DOCUMENTATION STANDARDS.
4. PROFILE: LINE 8: CHANGED ALTITUDE FOR SECTOR 050 -140 FROM 7000 FT TO 6900 FT – NEW CONTROLLING OBSTACLE.
5. NOTES: REMOVED CHART NOTE: FOR INOPERATIVE ALS, INCREASE DYERS FIX MINIMUMS S-LOC 20R CAT C AND D VISIBILITY TO RVR 6000 – NOTE IS NO LONGER APPLICABLE.
6. ADDITIONAL FLIGHT DATA: CHANGED FAS OBS FROM 1103 AAO, 332 AAO TO 196 TRANSMISSION LINE – PER TARGETS OBS EVAL.

11/18/2025: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/06/2024.

NOTES: REMOVED ASTERISK FROM THE SA CAT I ILS - SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION NOTE.



**AIRPORT ID**  
SNA

**PROCEDURE NAME**  
ILS OR LOC RWY 20R  
ILS RWY 20R (SA CAT I)

**ORIGINAL/AMENDMENT**  
14B

**CITY**  
SANTA ANA

**STATE**  
CA

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**

**OTHER:** SOCAL APP CON, SNA ATCT, AMGR.

**FLIGHT CHECKED BY**

TROY E DEVINE

*Digitally signed by*

**RAKE MCGRAW**

Nov 06, 2024

**OFFICE**

AJF

**DATE**

10/22/2024

**DEVELOPED BY**

JANTZEN TAYLOR

*Digitally signed by*  
**JANTZEN L TAYLOR**  
Aug 12, 2024

**OFFICE**

AJV-A422

**DATE**

07/02/2024

**APPROVED BY**

RAKE MCGRAW

*Digitally signed by*

**RAKE MCGRAW**

Nov 06, 2024

**OFFICE**

AJV-A422

**DATE**

**TITLE**  
MANAGER

