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.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA

AIRPORT ELEVATION	TDZE	SUPERSEDED	ORIGINAL/AMENDMENT	DATED	MAG VAR	EPOCH YEAR
56	54	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14B	12/26/2024	12E	2015

FACILITY	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE	REQUIRED EFFECTIVE DATE	CANCEL/SUSPEND
I-SNA			ROUTINE	

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:

1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
2. HOLD N SAGER INT/I-SNA 17.32 DME, RT, 195.92 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 4500.
3. **FAC:** 195.92 **FAF:** LEMON INT/I-SNA 7.76 DME **PFAF:** LEMON INT/I-SNA 7.76 DME **DIST FAF TO MAP:** 6.62 **DIST FAF TO THLD:** 6.62
4. **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
5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **167 HAT:** 2464 **GS ANT:** 887
6. **MIN GS INCPT:** 2200 **GS ALT AT PFAF:** LEMON INT/I-SNA 7.76 DME 2200 **OM:** **MM:** **IM:**
7. **GS ANGLE:** 3.00 **34:1:** **20:1:** **TCH:** 50.5
8. **MSA FROM:** SLI VORTAC 050-140 7000, 140-230 2900, 230-320 4400, 320-050 7700

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA

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.

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 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			
DYERS FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)															
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: PROFILE LINE 8: RAISED MSA SECTOR 050-140 FROM 6900 TO 7000 - TO MATCH KSNA LDA RWY 20R MSA SECTOR ALTITUDE AND CLEAR NOTAM FDC 4/1049.

AIRPORT ID	PROCEDURE NAME	ORIGINAL/AMENDMENT	CITY	STATE
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA

COORDINATED WITH:

A4A [X] **ALPA** [X] **AOPA** [X] **APA** [X] **HAI** [ ] **NBAA** [X] **OTHER:** SOCAL APP CON, SNA ATCT, AMGR.

FLIGHT CHECKED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

Digitally signed by
RAKE MCGRAW
Mar 17, 2025

OFFICE **DATE**

DEVELOPED BY
JANTZEN TAYLOR

Digitally signed by
JANTZEN L TAYLOR
Mar 14, 2025

OFFICE
AJV-A422

DATE
01/07/2025

APPROVED BY
RAKE MCGRAW

Digitally signed by
RAKE MCGRAW
Mar 17, 2025

OFFICE
AJV-A422

DATE

TITLE
MANAGER

QUALITY 25 CHECKED

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA	56	I-SNA

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
SLI VORTAC

TO
SAGER INT/I-SNA 17.32 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	18.94				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	335451.00N/1174415.00W	1962	164	98	4E	2000					4000
TERRAIN	335451.00N/1174415.00W	1762 (1800)								AS1500	3300

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM
SAGER INT/I-SNA 17.32 DME (IF/IAF)

TO
SNAKE INT/I-SNA 12.39 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	4.93				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	335101.40N/1173914.00W	3245	50	20	2C	500				SA-426 PR77	3400
TERRAIN	335451.00N/1174415.00W	1762 (1800)								AS1500	3300

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA	56	I-SNA

INTERMEDIATE: STEPDOWN

FROM
SNAKE INT/I-SNA 12.39 DME

TO
HUKEM INT/I-SNA 9.96 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	2.43				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	335018.00N/1174054.00W	2420	50	20	2C	500				SA-324 DG204	2800
TERRAIN	334930.00N/1174324.00W	1549 (1500)								AS1000	2500

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE: STEPDOWN

FROM
HUKEM INT/I-SNA 9.96 DME

TO
LEMON INT/I-SNA 7.76 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	2.20				

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	334827.00N/1174354.00W	1575	50	20	2C	500				SA-272 AT397	2200
TERRAIN	334724.00N/1174657.00W	903 (900)								AS1000	1900

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA	56	I-SNA

FINAL: ILS

FROM	TO
LEMON INT/I-SNA 7.76 DME	RW20R

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	6.62		DA	201	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				255

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LOC

FROM	TO
LEMON INT/I-SNA 7.76 DME	DYERS INT/I-SNA 4.11 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	3.64			986	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	334557.00N/1174739.00W	470	215	8	4B	250				XL31 DG289	1040

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA	56	I-SNA

FINAL: LOC STEPDOWN

FROM	TO
DYERS INT/I-SNA 4.11 DME	6.62 NM AFTER LEMON INT/I-SNA 7.76 DME OR AT I-SNA 1.14 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	2.98		6.62 NM AFTER LEMON INT/I-SNA 7.76 DME OR AT I-SNA 1.14 DME	406	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TRANSMISSION_LINE (06-236320)	334247.81N/1175103.66W	196	20	3	1A	250					460

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: ILS SA CAT I

FROM	TO
LEMON INT/I-SNA 7.76 DME	RW20R

RNP	DISTANCE	PAT	MAP	HAT	HMAS
	6.62		DA	167	

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC			MA17	221

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA	56	I-SNA

HOLD-IN-LIEU OF PT

FROM	TO
SAGER INT/I-SNA 17.32 DME	P-5

RNP	DISTANCE	PAT	MAP	HAT	HMAS
		P-5			

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
AAO	335101.40N/1173914.00W	3245	50	20	2C	1000				SA-828	3500
TERRAIN	335451.00N/1174415.00W	1762 (1800)								AS1500	3300

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: ILS

FROM	TO
DA	MINOE INT/I-SNA 10.88 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
*					83

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
BLDG (06-000494)	333716.00N/1175227.00W	532	100	20	3C	1000					1600
TERRAIN	333751.00N/1175215.00W	229 (200)								AS1500	1700

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA	56	I-SNA

MISSED APPROACH: LOC

FROM

TO
MINOE INT/I-SNA 10.88 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					758

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
TERRAIN	333751.00N/1175215.00W	229 (200)								AS1500	1700

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LOC

FROM
6.62 NM AFTER LEMON INT/I-SNA 7.76 DME OR AT I-SNA 1.14 DME

TO
MINOE INT/I-SNA 10.88 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					210

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
BLDG (06-000494)	333716.00N/1175227.00W	532	100	20	3C	1000					1600
TERRAIN	333751.00N/1175215.00W	229 (200)								AS1500	1700

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA	56	I-SNA

MISSED APPROACH: ILS SA CAT I

FROM	TO
DA	MINOE INT/I-SNA 10.88 DME

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					64

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
CONTROL_TOWER (06-028332)	334041.21N/1175211.39W	147	20	3	1A		ASC				3000
BLDG (06-000494)	333716.00N/1175227.00W	532	100	20	3C	1000					1600
TERRAIN	333751.00N/1175215.00W	229 (200)								AS1500	1700

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: ILS

FROM	TO
DA	SLI VORTAC

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					83

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
BLDG (06-000494)	333716.00N/1175227.00W	532	100	20	3C	1000					1600
TERRAIN	333751.00N/1175215.00W	229 (200)								AS1500	1700

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA	56	I-SNA

MISSED APPROACH ALTERNATE: LOC

FROM	TO
6.62 NM AFTER LEMON INT/I-SNA 7.76 DME OR AT I-SNA 1.14 DME	SLI VORTAC

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					210

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				3000
BLDG (06-000494)	333716.00N/1175227.00W	532	100	20	3C	1000					1600
TERRAIN	333751.00N/1175215.00W	229 (200)								AS1500	1700

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH ALTERNATE: ILS SA CAT I

FROM	TO
DA	SLI VORTAC

RNP	DISTANCE	PAT	MAP	HAT	HMAS
					64

OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
CONTROL_TOWER (06-028332)	334041.21N/1175211.39W	147	20	3	1A		ASC				3000
BLDG (06-000494)	333716.00N/1175227.00W	532	100	20	3C	1000					1600
TERRAIN	333751.00N/1175215.00W	229 (200)								AS1500	1700

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA	56	I-SNA

CIRCLING [ ] ALL CATS [X] CAT A [X] CAT B [X] CAT C [X] CAT D [ ] CAT E [ ] NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
BLDG (06-028353)	334135.31N/1175256.80W	1.30	984/584	323	20	3	1A	300		SI	1040/640
CATEGORY B											
BLDG (06-028353)	334135.31N/1175256.80W	1.81	984/584	323	20	3	1A	300		SI	1040/640
CATEGORY C											
BUILDING (06-000494)	333716.00N/1175227.00W	2.84	984/784	532	100	20	3C	300		SI	1040/840
CATEGORY D											
AAO	333639.00N/1175042.00W	3.71	1124/1124	870	215	8	4B	300			1180/1180

CIRCLING REMARKS:

MSA

CENTER	RADIUS
SLI VORTAC	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
050-140	AAO	334239.00N/1173203.00W	084	26.4	5873	215	8	4B	1000		XP127	7000
140-230	AAO	332343.46N/1182357.97W	202	29.0	1842	50	3	2A	1000			2900
230-320	AAO	341254.83N/1181647.31W	322	28.2	3321	50	20	2C	1000			4400
320-050	TOWER (06-000230)	341355.00N/1180421.00W	343	26.9	6634	100	20	3C	1000			7700

MSA REMARKS:

XP TO MATCH MSA ON LDA RWY 20R APPROACH PER FPT REQUEST.

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

NO CHARTED MISSED APPROACH HOLDING PATTERN PER ATC REQUEST DUE TO HEAVY ARRIVAL TRAFFIC ON V25 AT MISSED APPROACH ALTITUDE.

FINAL LOCALIZER STEPDOWN MDAS TO MAINTAIN CURRENT MINIMA PER ATC FOR NOISE ABATEMENT.

QUALITY 25 CHECKED

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA	56	I-SNA

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

SOCAL APP CON, SNA TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	WMSCR	ADJUSTMENTS
ASOS	SNA	24	SNA	0	Y	0
BACK-UP WX SERVICE	**LOCATION**	**HRS OPERATION**	**ALTIMETER SOURCE**	**DISTANCE**	**WMSCR**	**ADJUSTMENTS**
ASOS	FUL	24	FUL	13.04	Y	35

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
KSNA 56
KFUL 87
RA = 34.4

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
I-SNA	SNA ATCT	1415-0700Z	1
		WHEN SNA ATCT CLOSED	3

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW02R - MIRL	BSC-G	
RW20L - MIRL, REIL, PAPI-4L	BSC-G	
RW02L - HIRL, PAPI-4L (PCL)	PIR-G	ROLL OUT
RW20R - MALSR (PCL), HIRL, PAPI-4L (PCL)	PIR-G	APPROACH

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	41.2	50.5	42.4	887	3.00	68.2

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	[X]	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	[X]	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	CIRCLING RWY 20L
20:1	
58 POLE (06-237993) 334055.34N/1175144.85W (3.51)	51 BUILDING (06-2365940 334045.16N/1175145.09W (2.25)
50 WALL (06-237964) 334053.99N/1175145.16W (2.15)	55 NAVAID (06-028330) 334055.38N/1175144.91W (0.45)

QUALITY 25 CHECKED

45 POLE (06-26174) 334053.41N/1175145.34W (0.10)	
FINAL TYPE	CIRCLING RWY 2R
20:1	
67 FT WIND INDICATOR (06-237110) 334024.92N/1175208.22W (12.01)	
PENETRATIONS REMARKS:	
RWY 2R 20:1 06-237110 lighted, night restriction not required. RWY 20L 20:1 06-237993 and 06-028330 lighted.	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

75' VEGETATION HEIGHT AS PER IFP CHECKLIST.

CONTINGENCY PURPOSES:
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FUL ALTIMETER SETTING AND INCREASE S-ILS 20R DA TO 344 FEET; INCREASE ALL MDAS 40 FEET AND S-LOC 20R VISIBILITY CAT C/D TO RVR 4500; AND CIRCLING VISIBILITY CAT C 1/4 SM.
NOTE: VDP NA WHEN USING FUL ALTIMETER.
NOTE: *RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA (NA WHEN USING FUL ALTIMETER SETTING).

FOR INOPERATIVE ALS WHEN USING FUL ALTIMETER SETTING, INCREASE DYERS FIX MINIMUMS CAT C/D TO 1 3/8 SM.

ORDER 8260.3 CHAPTER 2 APPLIED TO
1116 TERRAIN+AAO 334651N/1174657W
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SNA	ILS OR LOC RWY 20R ILS RWY 20R (SA CAT I)	14C	SANTA ANA	CA	56	I-SNA

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	**TO 1000FT POINT**	4.42
WIDTH OF	FINAL	**SEGMENT AT 1000FT POINT**	1.17
TRUE COURSE OF	FINAL	**SEGMENT CONTAINING 1000FT POINT**	207.92
HIGH TERRAIN IN	FINAL	**SEGMENT CONTAINING 1000FT POINT**	500
DISTANCE FROM	FAF	**TO 1500FT POINT**	3.44
WIDTH OF	INTERMEDIATE	**SEGMENT AT 1500FT POINT**	4.08
TRUE COURSE OF	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	207.92
HIGH TERRAIN IN	INTERMEDIATE	**SEGMENT CONTAINING 1500FT POINT**	1500

THRESHOLD COORDINATES (IF STR-IN)	334053.94N/1175154.23W
ARP COORDINATES	334032.38N/1175205.64W
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 2L DISTANCE 0.55 NM
FAF COORDINATES	334645.45N/1174811.20W
FIX NAME COORDINATES	

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.

PART E: PREPARED BY

NAME	OFFICE	DATE	TITLE
JANTZEN TAYLOR	AJV-A422	01/07/2025	AERONAUTICAL INFORMATION SPECIALIST