

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

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 SNA	PROCEDURE NAME RNAV (RNP) Z RWY 2L	ORIGINAL/AMENDMENT ORIG-A	CITY SANTA ANA	STATE CA
AIRPORT ELEVATION 56	TDZE 56	SUPERSEDED RNAV (RNP) Z RWY 2L	DATED 11/10/2016	MAG VAR 12E
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 26 DECEMBER 2024	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 2015
			CANCEL/SUSPEND	

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
FYTRR	IAF	ARMBR		TF	FB	1.00	244.33	5.20	4000
ARMBR	IF	OSOYI		TF	FB	1.00	244.26	3.00	3200
OSOYI		NEWPO		RF	FB	1.00	(2.50 NM RADIUS CW (CFVNL))	5.75	1600
MINOE	IF	NEWPO		TF	FB	1.00	015.87	6.41	1600
NEWPO	PFAF	RW02L	MAP	TF	FO	0.30	015.88	4.68	
RW02L	MAP	800 MSL		CA			015.88		800
800 MSL		SLI VORTAC		DF	FO	1.00			2600

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 800 THEN CLIMBING LEFT TURN TO 2600 DIRECT SLI VORTAC AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT NEWPO
- FAC: 015.88 PFAF: NEWPO DIST PFAF TO MAP: DIST PFAF TO THLD:
- MIN ALT: NEWPO 1600
- DIST TO THLD FROM OM: 4.68 MM: IM: 150 HAT: 347 HAT: 0.92 GS ANT: IM:
- MIN GP INCPT: 1600 GP ALT AT PFAF: NEWPO 1600 OM: MM:
- GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 55.0
- MSA FROM: RW02L 6900



PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM OSOYI: RF.

NOTES:

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 5°C OR ABOVE 54°C.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT MINOE ON V25 SOUTHEAST BOUND.
CHART SPEED ICON IN PLANVIEW AT FYTRR: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT MINOE: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

HOLD SE, LT, 302.00 INBOUND.
CHART MANDATORY 4000 AT FYTRR.
CHART MANDATORY 3000 AT MINOE.

MINIMUMS:

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

ALTERNATE: NA 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
AUTHORIZATION REQUIRED																
RNP 0.30 DA	403	1 1/8	347	403	1 1/8	347	403	1 1/8	347	403	1 1/8	347				

CHANGES - REASONS

1. FAC CHANGED FROM 015.89 TO 015.88 – PER TARGETS CALCULATION; GROUND TRACK NOT ALTERED.
2. ADDED MANDATORY 3000 ALTITUDE AT MINOE - PER FPT TO TIE INTO STAR TERMINUS.
3. ADDED PBN REQUIREMENTS NOTE RNP AR APCH - GPS. AUTHORIZATION REQUIRED. FROM OSOYI: RF. - IAW 8260.19J PARA 8-6-8.D.
4. CHANGED NOTE FROM FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 5°C (41°F) OR ABOVE 54°C (130°F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 5°C OR ABOVE 54°C - IAW 8260.19J PARA 8-6-11.R.
5. MSA CHANGED FROM 7000 TO 6900 - NEW OBSTACLE EVALUATION USING 3 DEP 3 ARCSEC, MATCH RNAV (GPS) Y RWY 2L.
6. DELETED ADDITIONAL FLIGHT DATA ROUTE TYPE: A, H ROUTE TYPE QUALIFIER 1: F, ROUTE TYPE QUALIFIER 2: S - NO LONGER REQUIRED.
7. DELETED ADDITIONAL FLIGHT DATA #TCH 111.0 MSL (DO NOT CHART) - NO LONGER REQUIRED.
8. DELETED # FROM LINE 7 TCH 55.00# - NO LONGER REQUIRED.
9. CHANGED ADDITIONAL FLIGHT DATA NOTE FROM CHART MINIMUM 3000 AT MINOE TO CHART MANDATORY 3000 AT MINOE - FPT REQUEST.

08/20/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 06/05/24.

1. ADDED MISSED APPROACH OBSTACLE INFORMATION ON 8260-9 - CORRECT ADMINISTRATIVE ERROR.



AIRPORT ID
SNA

PROCEDURE NAME
RNAV (RNP) Z RWY 2L

ORIGINAL/AMENDMENT
ORIG-A

CITY
SANTA ANA

STATE
CA

COORDINATED WITH:

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

OTHER: ZLA, AMGR, CA AERO, SNA ATCT, SOCAL APP CON

FLIGHT CHECKED BY

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

OFFICE

DATE

Digitally signed by

DONALD H LANIER

Aug 21, 2024

DEVELOPED BY

WILLIAM D. MELTON

Digitally signed by

WILLIAM D MELTON

Aug 20, 2024

OFFICE

AJV-A423

DATE

06/05/2024

APPROVED BY

ALLAN WILL

Digitally signed by

DONALD H LANIER

Aug 21, 2024

OFFICE

AJV-A423

DATE

TITLE
MANAGER

