

**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.

<u>AIRPORT ID</u> KSJC	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 12R	<u>ORIGINAL/AMENDMENT</u> 3B	<u>CITY</u> SAN JOSE	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 62	<u>TDZE</u> 46	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 12R	<u>ORIGINAL/AMENDMENT</u> 3A	<u>DATED</u> 07/21/2016	<u>MAG VAR</u> 13E	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 24 MARCH 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

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>
ARTAQ	IAF	SUNNE		TF	FB	1.00	125.80	2.00	1800
SUNNE	IF	FOXAG		TF	FB	1.00	125.77	2.20	1100
HITIR	IF	ZORSA		TF	FB	1.00	305.77	3.14	3000
ZORSA		PUAKO		RF	FB	1.00	(2.17 NM RADIUS CW (CFBNV))	4.39	1800
PUAKO		FOXAG		RF	FB	1.00	(2.17 NM RADIUS CW (CFBNV))	2.42	1100
WADVA	IAF	RERAE		TF	FB	1.00	074.08	4.00	3500
RERAE	IF	PUAKO		TF	FB	1.00	061.80	5.34	1800
FOXAG	PFAF	RW12R	MAP	TF	FO	0.30	125.78	3.15	
RW12R	MAP	HOSBO		TF	FB	1.00	125.80	9.13	
HOSBO		GILRO		TF	FO	1.00	123.89	17.22	4600

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4600 ON TRACK 125.80 TO HOSBO AND TRACK 123.89 TO GILRO AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT FOXAG

3. FAC: 125.78

FAF: FOXAG

DIST FAF TO MAP:

DIST FAF TO THLD:

4. MIN ALT: FOXAG 1100

5. DIST TO THLD FROM PFAF: 3.15

MM:

IM:

150 HAT:

348 HAT: 0.94

GS ANT:

6. MIN GP INCPT: 1100

GP ALT AT FAF : FOXAG 1100

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 58.0

8. MSA FROM: RW12R 5700

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW 0°C OR ABOVE 54°C.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART SPEED ICON IN PLANVIEW AT ZORSA : MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT PUAKO : MAX 210 KIAS.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.15 ALL CATS VISIBILITY TO RVR 5500.

ADDITIONAL FLIGHT DATA:

CHART MINIMUM 4500 AT WADVA.
CHART MANDATORY 4000 AT HITIR.
HOLD NW, LT, 124.54 INBOUND.

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 0.15 DA	394	3000	348	394	3000	348	394	3000	348	394	3000	348			
RNP 0.30 DA	486	4000	440	486	4000	440	486	4000	440	486	4000	440			



CHANGES - REASONS

- ADDED PBN REQUIREMENTS NOTE: RNP AR APCH - GPS - 8260.19I.
- REMOVED CHART NOTE: GPS REQUIRED - NO LONGER REQUIRED IAW 8260.19I.
- PROFILE LINE 5: CHANGED 334 HAT: 0.89 TO 348 HAT: 0.94 - UPDATED TARGETS EVALUATION.
- PROFILE LINE 7: 34:1 AND 20:1 IS CLEAR ADDED. - NO 34:1 OR 20:1 PENETRATIONS EXIST.
- REMOVED FAHRENHEIT FROM UNCOMPENSATED BARO-VNAV SYSTEMS NOTE - FAHRENHEIT REMOVED IAW 8260.19I.
- REMOVED "CHART PLANVIEW NOTE: RADAR REQUIRED" FROM ADDITIONAL FLIGHT DATA - NO LOGER REQUIRED.
- RAISED 0.15 DA/HAT FROM 380/334 TO 394/348, VISIBILITY CHANGED FROM 5/8 SM TO 3000 RVR - NEW OBSTACLE EVALUATION; 8260.3D CALCULATIONS.
- CHANGED 0.30 VISIBILITY FROM 1 SM TO 4000 RVR - 8260.3D CALCULATIONS.
- ADDITIONAL FLIGHT DATA: DELETED "ROUTE TYPE: A, H," "ROUTE TYPE QUALIFIER 1: F" AND "ROUTE TYPE QUALIFIER 2: S." - NO LONGER A DOCUMENTATION REQUIREMENT.
- REMOVED ADDITIONAL FLIGHT DATA: #TCH 95.7 MSL (DO NOT CHART). - NO LONGER REQUIRED.
- REMOVED RF REQUIRED NOTE AT WADVA AND HITIR - NO LONGER REQUIRED.
- REMOVED RADAR REQUIRED NOTE - NO LONGER REQUIRED.
- ADDED "CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.15 ALL CATS VISIBILITY TO RVR 5500." TO PROCEDURE NOTES - 8260.3D CALCULATIONS.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOA, NORCAL APP CON, SJC ATCT, AMGR

FLIGHT CHECKED BY

GARY J VEER

*Digitally signed by***JASON KRETSCHMER****OFFICE**

FPO

DATE

01/28/2022

Feb 01, 2022

DEVELOPED BY

JASON KRETSCHMER (CHARLES THIBODEAUX)

*Digitally signed by***JASON KRETSCHMER****OFFICE**

AJV-A421

DATE

06/02/2021

APPROVED BY

MARLON ROBINSON

Sep 27, 2021

OFFICE

AJV-A420

DATE**TITLE**
MANAGER*Digitally signed by***JASON KRETSCHMER**

Sep 27, 2021