

**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> KSMF	<u>PROCEDURE NAME</u> RNAV (RNP) Z RWY 35L	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> SACRAMENTO	<u>STATE</u> CA		
<u>AIRPORT ELEVATION</u> 27	<u>TDZE</u> 24	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 35L	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 05/21/2020	<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>
ISYOH	IAF	ELMAC		TF	FB	1.00	026.28	9.85	3000
MYNRR	IAF	ELMAC		TF	FB	1.00	299.13	24.93	3000
ELMAC	IF	WOMAV	PFAF	TF	FB	1.00	347.74	8.20	1100
PIECH	IAF	BANZA		TF	FB	1.00	173.15	33.84	4000
BANZA	IF	ZITUL		TF	FB	1.00	167.93	2.99	3200
ZITUL		WOMAV	PFAF	RF	FB	1.00	(2.20 NM RADIUS CCW (CFBFW))	6.92	1100
WOMAV	PFAF	RW35L	MAP	TF	FO	0.30	347.74	3.20	
RW35L	MAP	JARNU		TF	FB	1.00	347.75	6.81	
JARNU		GRIME		TF	FO	1.00	321.17	14.41	2000

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 ON TRACK 347.75 TO JARNU AND TRACK 321.17 TO GRIME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)

2. PROFILE STARTS AT WOMAV

3. FAC: 347.74 PFAF: WOMAV DIST PFAF TO MAP: DIST PFAF TO THLD:

4. MIN ALT: WOMAV 1100

5. DIST TO THLD FROM PFAF: 3.20 MM: IM: 150 HAT: 294 HAT: 0.74 GS ANT:

6. MIN GP INCPT: 1100 GP ALT AT PFAF : WOMAV 1100 OM: MM: IM:

7. GP ANGLE: 3.00 34:1: IS CLEAR 20:1: IS CLEAR TCH: 59.0

8. MSA FROM: RW35L 4300

PBN REQUIREMENTS NOTE:

RNP AR APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -2°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.12 ALL CATS VISIBILITY TO RVR 4500; INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 5500.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
CHART SPEED ICON IN PLANVIEW AT ELMAC: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT BANZA: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART AT OR ABOVE 6000 AT ISYOH.
CHART MANDATORY 4000 AT BANZA.
CHART MANDATORY 9000 AT MYNRR.
CHART MANDATORY 3000 AT ELMAC.
CHART AT OR ABOVE 4000 AT PIECH.
HOLD SE, RT, 333.00 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 0.12 DA	318	2400	294	318	2400	294	318	2400	294	318	2400	294			
RNP 0.30 DA	382	3000	358	382	3000	358	382	3000	358	382	3000	358			

CHANGES - REASONS

1. ADDED AN INITIAL SEGMENT FROM MYNRR TO FIPIN - PER FPT/ATC REQUEST.
2. LOWERED IF ALTITUDE AT ELMAC FROM 3400 TO 3000 AND ADDED A SPEED RESTRICTION OF AT OR BELOW 210 KIAS - FPT/ATC REQUESTED.
3. LOWERED ALTITUDE BETWEEN ISYOH AND ELMAC FROM 3400 TO 3000 - FPT/ATC REQUESTED.
4. UPDATED CHART NOTE FROM: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -4°C OR ABOVE 54°C TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -2°C OR ABOVE 54°C - PER 8260.58B AJV VALIDATED CALCULATOR.
5. UPDATED PBN REQUIREMENTS NOTE FROM RNP AR APCH TO RNP AR APCH - GPS - PER .58 CRITERIA.
6. UPDATED COURSE AND DISTANCE BETWEEN BANZA AND ZITUL FROM 167.74/3.00 TO 167.93/2.99 - ATC FPT REQUIRED CHANGES.
7. UPDATED DISTANCE BETWEEN ZITUL AND WOMAV FROM 6.90 TO 6.92 - ATC FPT REQUIRED CHANGES.
8. UPDATED RNP 0.30 LINES OF MINIMA DA/HAT ALL CATS FROM: RNP 0.30 DA 373/HAT 349 TO DA 382/HAT 358 - PER FPT/ATC REQUEST.
9. UPDATED CHART NOTE FROM: FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 5000 TO FOR INOPERATIVE ALS, INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 5500; ADDED FOR INOPERATIVE ALS, INCREASE RNP 0.12 ALL CATS VISIBILITY TO RVR 4500 - NEW AND OR UPDATED DATA BASE WITH ADDED LINE OF MINIMA.
10. !FDC 1/4869 IS INCLUDED IN THIS AMENDMENT - INCREASES THE DA/HAT, VISIBILITY AND INOP ALS VISIBILITY.
11. ADDED RNP 0.12 LINES OF MINIMA DA/HAT 318/294 WITH VISIBILITY ALL CATS RVR 2400 - PER ATC/FPT REQUEST.
12. ADDED CHART MANDATORY 9000 AT MYNRR, CHART AT OR ABOVE 4000 AT PIECH.AND CHART MANDATORY 3000 AT ELMAC - PER ATC/FPT REQUEST.
13. REMOVED CHART PLANVIEW NOTE ADJACENT TO PIECH IAF: RF REQUIRED - NO LONGER REQUIRED PER 8260.19I.
14. ADDED CHART SPEED ICON IN PLANVIEW AT ELMAC: MAX 210 KIAS - PER .19I.
15. UPDATED DISTANCE FROM A 303 HAT: 0.77 TO 294 HAT: 0.74 - HAT VALUE CHANGED DUE TO ADDED LINE OF MINIMA WITH LOWER VALUES.

COORDINATED WITH:A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZOA, NORCAL APP CON, SMF ATCT, WESTERN FPT, AMGR.**FLIGHT CHECKED BY**

DANIEL C FAVORITE

Digitally signed by
CASIMIR L TABAKA

Jan 19, 2022

OFFICE

FPO

DATE

01/14/2022

DEVELOPED BY

SYLVAN DRAKES

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Dec 07, 2021

OFFICE

AJV-A411

DATE

08/31/2021

APPROVED BY

JULIE MORGAN

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Dec 21, 2021**OFFICE**

AJV-A410

DATE**TITLE**
MANAGERQUALITY
20
CHECKED