

**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 17R	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> SACRAMENTO	<u>STATE</u> CA	
<u>AIRPORT ELEVATION</u> 27	<u>TDZE</u> 25	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 17R	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 05/21/2020	<u>MAG VAR</u> 13E
<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>	<u>EPOCH YEAR</u> 2020

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
TUDOR	IAF	WAXIX		TF	FB	1.00	167.74	6.54	3000
TENCO	IAF	ZIMAM		TF	FB	1.00	223.22	5.86	3000
WAXIX	IF	WIPEB		TF	FB	1.00	167.74	4.00	1800
WIPEB		ZOLOV	PFAF	TF	FB	1.00	167.74	3.00	1100
ZIMAM	IF	JOKUV		TF	FB	1.00	223.11	5.00	1600
JOKUV		ZOLOV	PFAF	RF	FB	1.00	(2.16 NM RADIUS CCW (CFBHT))	2.09	1100
OVOME	IF	FIKAN		TF	FB	1.00	347.97	3.02	3200
FIKAN		ZOLOV	PFAF	RF	FB	1.00	(2.30 NM RADIUS CW (CFBGL))	7.22	1100
ZOLOV	PFAF	RW17R	MAP	TF	FO	0.30	167.75	3.20	
RW17R	MAP	500 MSL		CA			167.75		500
500 MSL		GRIME		DF	FO	1.00			2000

MISSED APPROACH

MAP:
RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN CLIMBING RIGHT TURN TO 2000 DIRECT GRIME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT ZOLOV					
3. FAC:	167.75	PFAF:	ZOLOV	DIST PFAF TO MAP:	DIST PFAF TO THLD:
4. MIN ALT:	ZOLOV 1100				
5. DIST TO THLD FROM PFAF:	3.20	MM:	IM:	150 HAT:	250 HAT: 0.61
6. MIN GP INCPT:	1100	GP ALT AT PFAF:	ZOLOV 1100	OM:	MM:
7. GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR
8. MSA FROM:	RW17R 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 0.10 ALL CATS VISIBILITY TO RVR 4000; INCREASE RNP 0.18 ALL CATS VISIBILITY TO RVR 4500 AND RNP 0.30 ALL CATS VISIBILITY TO RVR 5500.
 CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.
 CHART SPEED ICON IN PLANVIEW AT ZIMAM: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT OVOME: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART AT OR ABOVE 5000 AT TUDOR.
 CHART MANDATORY 4000 AT OVOME.
 CHART MANDATORY 4000 AT TENCO.
 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 0.10 DA	275	2400	250	275	2400	250	275	2400	250	275	2400	250				
RNP 0.18 DA	326	2400	301	326	2400	301	326	2400	301	326	2400	301				
RNP 0.30 DA	385	3000	360	385	3000	360	385	3000	360	385	3000	360				

CHANGES - REASONS

- ADDED AN INITIAL SEGMENT FROM TENCO TO ZIMAM- PER FPT/ATC REQUEST.
- 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.
- UPDATED PBN REQUIREMENTS NOTE FROM RNP AR APCH TO RNP AR APCH - GPS - PER .58 CRITERIA.
- UPDATED COURSE AND DISTANCE BETWEEN OVOME AND FIKAN FROM 347.75/3.00 TO 347.97/3.02 - ATC FPT REQUIRED CHANGES.
- UPDATED DISTANCE BETWEEN FIKAN AND ZOLOV FROM 6.88 TO 7.22; RF FIX CFBGL FROM 2.19 TO 2.30 - ATC FPT REQUIRED CHANGES.
- UPDATED RNP 0.30 LINES OF MINIMA VISIBILITY ALL CATS FROM: RVR 4000 TO RVR 3000 - NEW AND OR UPDATED DATA BASE.
- UPDATED CHART NOTE FROM: FOR INOPERATIVE ALS, INCREASE RNP 0.10 ALL CATS VISIBILITY TO RVR 4500 AND RNP 0.30 ALL CATS VISIBILITY TO RVR 6000 TO FOR INOPERATIVE ALS, INCREASE RNP 0.10 ALL CATS VISIBILITY TO RVR 4000; INCREASE RNP 0.18 ALL CATS VISIBILITY TO RVR 4500 AND RNP 0.30 ALL CATS VISIBILITY TO RVR 5500 - NEW AND OR UPDATED DATA BASE.
- ADDED RNP 0.18 LINES OF MINIMA DA/HAT 326/301 WITH VISIBILITY ALL CATS RVR 2400 - PER ATC/FPT REQUEST.
- ADDED CHART MANDATORY 4000 AT TENCO - PER ATC/FPT REQUEST.
- REMOVED CHART MANDATORY 3000 AT ZIMAM - PER ATC/FPT REQUEST.
- RADIUS FROM (CFBGL) CHANGED FROM 2.19 TO 2.30 - ATC/FPT REQUESTED ADJUSTMENT.
- UPDATED DISTANCE FROM A 298 HAT: 0.76 TO 250 HAT: 0.61 - HAT VALUE CHANGED DUE TO ADDED LINE OF MINIMA WITH LOWER VALUES.
- UPDATED THE FOLLOWING: RNP 0.10 LINES OF MINIMA DA/HAT FROM: DA/HAT 323/298 TO 275/250; RNP 0.30 LINES OF MINIMA DA/HAT FROM: DA/HAT 388/363 TO 385/360 - ATC FPT REQUESTED CHANGES.



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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APPROVED BY

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DATE

TITLE
MANAGER

