

**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 17L	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> SACRAMENTO	<u>STATE</u> CA	
<u>AIRPORT ELEVATION</u> 27	<u>TDZE</u> 27	<u>SUPERSEDED</u> RNAV (RNP) Z RWY 17L	<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	WENUD		TF	FB	1.00	159.13	6.60	3000
TENCO	IAF	ZIMAM		TF	FB	1.00	223.22	5.86	3000
WENUD	IF	MUKVY		TF	FB	1.00	167.76	4.00	1800
MUKVY		UWFUR	PFAF	TF	FB	1.00	167.76	3.01	1100
OVOME	IF	FIKAN		TF	FB	1.00	347.97	3.02	3200
FIKAN		JULUK		RF	FB	1.00	(2.30 NM RADIUS CW (CFBJJ))	3.61	2200
JULUK		UZIZY		TF	FB	1.00	077.83	0.99	2000
UZIZY		UWFUR	PFAF	RF	FB	1.00	(2.30 NM RADIUS CW (CFBGB))	3.61	1100
ZIMAM	IF	WOSKI		TF	FB	1.00	215.83	4.48	1600
WOSKI		UWFUR	PFAF	RF	FB	1.00	(2.19 NM RADIUS CCW (CFBHN))	1.84	1100
UWFUR	PFAF	RW17L	MAP	TF	FO	0.30	167.76	3.20	
RW17L	MAP	500 MSL		CA			167.76		500
500 MSL		GRIME		DF	FO	1.00			3000



MISSED APPROACH

MAP:

RNP: DA

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 500 THEN RIGHT TURN TO 3000 DIRECT GRIME AND HOLD.
**MISSED APPROACH REQUIRES MINIMUM CLIMB OF 290 FEET PER NM TO 3000.
*MISSED APPROACH REQUIRES MINIMUM CLIMB OF 300 FEET PER NM TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. PROFILE STARTS AT UWFUR					
3. FAC:	167.76	PFAF: UWFUR	DIST PFAF TO MAP:		DIST PFAF TO THLD:
4. MIN ALT:	UWFUR 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 :	UWFUR 1100	OM:	MM:
7. GP ANGLE:	3.00	34:1:	IS CLEAR	20:1:	IS CLEAR
8. MSA FROM:	RW17L 4300				
			TCH:	55.0	

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 4000; INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 4500.
CHART SPEED ICON IN PLANVIEW AT OVOME: MAX 210 KIAS.
CHART SPEED ICON IN PLANVIEW AT ZIMAM: MAX 210 KIAS.
CHART PROFILE NOTE: SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

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 0.12 DA*	277	2400	250	277	2400	250	277	2400	250	277	2400	250				
RNP 0.30 DA**	339	2400	312	339	2400	312	339	2400	312	339	2400	312				

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 JULUK FROM 3.44 TO 3.61; RF FIX CFBJJ FROM 2.19 TO 2.30 - ATC FPT REQUIRED CHANGES.
- UPDATED COURSE AND DISTANCE BETWEEN JULUK AND UZIZY FROM 077.80/1.00 TO 077.83/0.99 - ATC FPT REQUIRED CHANGES.
- UPDATED DISTANCE BETWEEN UZIZY AND UWFUR FROM 3.42 TO 3.61; RF FIX CFBGB FROM 2.18 TO 2.30 - ATC FPT REQUIRED CHANGES.
- UPDATED COURSE AND DISTANCE BETWEEN ZIMAM AND WOSKI FROM 215.80/4.49 TO 215.83/4.48 - ATC FPT REQUIRED CHANGES.
- UPDATED DISTANCE BETWEEN WOSKI AND UWFUR FROM 1.81 TO 1.84; RF FIX CFBHN FROM 2.16 TO 2.19 - ATC FPT REQUIRED CHANGES.
- UPDATED DISTANCE BETWEEN UWFUR AND RW17L FROM 3.21 TO 3.20 - ATC FPT REQUIRED CHANGES.
- UPDATED RNP 0.30 LINES OF MINIMA DA/HAT AND VISIBILITY ALL CATS FROM: DA/HAT 322/295 TO 339/312, VISIBILITY 1/2 SM TO RVR 2400 - NEW AND OR UPDATED DATA BASE.
- ADDED RNP 0.12 LINES OF MINIMA DA/HAT 277/250 WITH VISIBILITY ALL CATS RVR 2400 - PER ATC/FPT REQUEST.
- ADDED NOTE: FOR INOPERATIVE ALS, INCREASE RNP 0.12 ALL CATS VISIBILITY TO RVR 4000; INCREASE RNP 0.30 ALL CATS VISIBILITY TO RVR 4500 - NEW AND OR UPDATED DATA BASE.
- ADDITIONAL FLIGHT DATA: ADDED CHART MANDATORY 4000 AT TENCO - PER ATC/FPT REQUEST.
- UPDATED DISTANCE FROM A 295 HAT: 076 TO 306 HAT: 079 - HAT VALUE CHANGED.
- PROFILE LINE 7: CHANGED TCH FROM 51.8 TO 55.0 - ATC/FPT REQUEST TO MATCH ILS OR LOC RWY 17L.
- REMOVED CHART MANDATORY 3000 AT ZIMAM - PER ATC/FPT REQUEST.
- UPDATED MISSED APPROACH FROM: CLIMB TO 3000 THEN RIGHT TURN DIRECT GRIME AND HOLD TO CLIMB TO 500 THEN RIGHT TURN TO 3000 DIRECT GRIME AND HOLD; RNP 0.30 DA ** MISSED APPROACH REQUIRES MINIMUM CLIMB OF 290 FEET PER NM TO 3000; RNP 0.12 DA* MISSED APPROACH REQUIRES MINIMUM CLIMB OF 300 FEET PER NM TO 3000 - PER ATC/FPT REQUEST TO KEEP THE TIA WITHIN 10 NM.

1/27/22: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/21/21.
1. ADDED PROFILE STARTS AT UWFUR TO PROFILE LINE #2 - DATA MISSING FROM FORM.



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 31, 2022

OFFICE

FPO

DATE

01/14/2022

DEVELOPED BY

SYLVAN DRAKES

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DATE

09/08/2021

APPROVED BY

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Jan 31, 2022

OFFICE

AJV-A410

DATE

TITLE
MANAGER

