

**FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 RNAV (GPS) 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> KFSM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> FORT SMITH	<u>STATE</u> AR	
<u>AIRPORT ELEVATION</u> 469	<u>TDZE</u> 448	<u>SUPERSEDED</u> RNAV (GPS) RWY 26	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 05/19/2022	<u>MAG VAR</u> 1E
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 JUNE 2023	<u>REQUIRED EFFECTIVE DATE</u> 06/15/2023	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2025

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 170/30 CW 350/30	NOPT	170/15 CW 350/15		4500
2. 170/15 CW 350/15		UCAXE	IF/IAF	3000
3. 350/30 CW 080/30		OHUYU	IAF	4500
4. 080/30 CW 170/30		IZOVU	IAF	4000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
IZOVU	IAF	UCAXE	NOPT	TF	FB	1.00	170.35	10.00	3000
OHUYU	IAF	UCAXE	NOPT	TF	FB	1.00	350.38	10.00	3000
UCAXE	IF/IAF	WIZER		TF	FB	1.00	260.36	5.74	2700
WIZER	FAF	RW26	MAP	TF	FO	0.30	260.29	6.92	
RW26	MAP	648 MSL		CA			260.29		
648 MSL		IXASY		DF	FO	1.00			3000



MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW26

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT IXASY AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD E UCAXE, RT, 260.36	INBOUND, 3000 FT. IN LIEU OF PT (IAF),	MAX 17500.			
3. FAC: 260.29	FAF: WIZER	DIST FAF TO MAP: 6.92		DIST FAF TO THLD: 6.92	
4. MIN ALT:	UCAXE 3000, WIZER 2700				
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.47	GS ANT:
6. MIN GP INCPT: 2700	GP ALT AT PFAF :	WIZER 2700	OM:	MM:	IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 50.0		
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA FOR CAT E NW OF RWYS 8 AND 20.
 CHART NOTE: CIRCLING RWY 20, 26 NA AT NIGHT.
 CHART NOTE: * RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
 CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11°C OR ABOVE 54°C.
 CHART NOTE: CIRCLING NA FOR CAT E NA WHEN R-2401B ACTIVE.
 CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM, AND LNAV CAT E VISIBILITY TO 1 5/8 SM.

ADDITIONAL FLIGHT DATA:

CHART SPEED ICON IN PLANVIEW AT IXASY: MAX 230 KIAS
 CHART SPEED ICON IN PLANVIEW AT UCAXE: MAX 230 KIAS
 HOLD W, RT, 080.06 INBOUND.
 CHART FAS OBST: 695 ANTENNA (05-097374) 352010N/0941850W.
 CHART R-2401 A/B.
 CHART R-2402 A/B/C.
 CHART VDP AT 1.57 NM TO RW26.
 WAAS CHANNEL # 87117
 REFERENCE PATH ID: W26A
 CHART CIRCLING ICON.
 LTP HAE: 106.3 M



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

ALTERNATE: NA STANDARD - CAT C 1000-2 3/4, CAT D, E 1000-3

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
LPV DA*	648	2400	200	648	2400	200	648	2400	200	648	2400	200	648	2400	200
LNAV/VNAV DA	962	5500	514	962	5500	514	962	5500	514	962	5500	514	962	5500	514
LNAV MDA	1000	2400	552	1000	2400	552	1000	6000	552	1000	6000	552	1000	6000	552
CIRCLING	1140	1	671	1140	1	671	1400	2 3/4	931	1400	3	931	1400	3	931

CHANGES - REASONS

1. RWY 26 AER EXTENDED 1300 FT - PER 6/15/23 DATA.
2. FAF/PFAF CHANGED FROM HOLGO TO WIZER, DISTANCE TO MAP CHANGED FROM 6.77 TO 6.92 - TO ALIGN WITH ILS RWY 8 PFAF AND RWY EXTENSION.
3. INTERMEDIATE SEGMENT DISTANCE CHANGED FROM 6.1 TO 5.74 - PER PFAF CHANGES.
4. LPV MINIMA CHANGED FROM 653/4000 HAT 207 TO 648/2400 HAT 200 - NO PENETRATING OBSTACLES, VIS PER 8260.3E TABLE 3-3-1.
5. LNAV/VNAV MINIMA CHANGED FROM 979/6000 HAT 533 TO 962/5500 HAT 514 - UPDATED CONTROLLING OBSTACLE, VIS PER 8260.3E TABLE 3-3-1.
6. LNAV MINIMA CHANGED FROM 980/HAT 534 TO 1000/HAT 552, VIS CAT A/B FROM RVR 4000 TO 2400, VIS CAT C FROM RVR 5000 TO 6000 - NEW CONTROLLING OBSTACLE/PER TDZE UPDATE, VIS PER 8260.3E TABLE 3-3-1/3-3-3/3-3-4.
7. IAFS IZOVU AND OHUYU EXTENDED FROM 6 NM LEGS TO 10 NM AND OHUYU TO UCAXE COURSE CHANGED FROM 350.37 TO 350.38 - TO SUPPORT ATC VECTORS, ATC REQUESTS NAME RETENTION.
8. TDZE CHANGED FROM 446 TO 448 - PER 6/15/23 DATA.
9. TCH CHANGED FROM 60 TO 50, REMOVED VGSI AND RNAV NON-COINCIDENT NOTE - TO MATCH ILS OR LC RWY 8 DESIGN, ANGLES NOW COINCIDENT.
10. CHANGED BARO-VNAV NOTE LOW TEMP FROM -15 TO -11 - PER UPDATED HISTORICAL DATA.
11. MISSED APPROACH CA AND DF MSL ALTITUDE CHANGED FROM 653 MSL TO 648 MSL - LOWERED LPV DA FROM 653 TO 648.
12. CHANGED INOPERATIVE NOTES FROM "INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS" AND "FOR INOPERATIVE ALS, INCREASE LNAV CAT A/B VISIBILITY TO RVR 5000, LNAV/VNAV AND LNAV CAT E VISIBILITY TO 1 3/4" TO READ "FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO RVR 4000, LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM, AND LNAV CAT E VISIBILITY TO 1 5/8 SM" - PER UPDATED VISIBILITY VALUES AND 8260.3E TABLE 3-3-1/3-3-3/3-3-4.
13. CRC REMAINDER CHANGED FROM 7CC43092 TO D921EEA4 - UPDATED PROCEDURE DESIGN.
14. CHANGED NOTE FROM "NA FOR CAT E NORTH OF RWY 8 AND WEST OF RWY 20" TO READ "CIRCLING NA FOR CAT E NW RWYS 8 AND 20" - TO CONFORM TO OTHER PROCEDURES.
15. ADDED NOTE *RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA; (ADDS ASTERISK TO LPV MINIMA) - PER 200 HAT AND RWY/TAXIWAY EXTENSION.
16. ADDED CHART SPEED ICON IN PLANVIEW AT UCAXE: MAX 230 KIAS - PER 8260.19I.
17. CHANGED DISTANCE FAF TO THLD FROM 6.77 TO 6.92 - RWY 26 THLD EXTENDED.
18. FAS OBSTACLE ELEVATION CHANGED FROM 690 TO 695 AND ADD OBSTACLE ID - REVISED OBSTACLE DATA.
19. VDP CHANGED FROM 1.55 NM TO RW26 TO 1.57 NM TO RW26 - LNAV MDA INCREASED.
20. LTP HAE CHANGED FROM 104.9 M TO 106.3 M - REVISED THLD ELEVATION.
21. CHANGED FAS DATA BLOCK LTP FROM 352013.1065N/0942117.6095W TO 352015.0715N/0942102.0970W, LTP ELLIPSOIDAL HEIGHT FROM +01049 TO +01063, FPAP FROM 361959.4500N/0942305.2285W TO 352000.9735N/0942253.2365W AND LENGTH OFFSET FROM 0304 TO 0000 - RWY 26 THLD EXTENDED.
22. CHANGED FAS DATA BLOCK TCH FROM 60 TO 50 - REVISED ILS AIRNAV DATA.



COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZME, FSM ATCT, ST. AV. DIR., AMGR, FSM APP CON

FLIGHT CHECKED BY

PENDING

Digitally signed by

ALLAN WILL

Apr 11, 2023

OFFICE

DATE

DEVELOPED BY

PHILLIP BRANDENBURG

Digitally signed by

PHILLIP BRANDENBURG

Mar 28, 2023

OFFICE

AJV-A423

DATE

02/10/2023

APPROVED BY

ALLAN WILL

OFFICE

AJV-A423

DATE

TITLE
MANAGER

Digitally signed by

ALLAN WILL

Apr 11, 2023



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFSM
RUNWAY	RW26
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W26A
LTP/FTP LATITUDE	352015.0715N
LTP/FTP LONGITUDE	0942102.0970W
LTP/FTP ELLIPSOIDAL HEIGHT	+01063
FPAP LATITUDE	352000.9735N
FPAP LONGITUDE	0942253.2365W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	D921EEA4

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01365
FPAP ORTHOMETRIC HEIGHT	+01365