

**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 8	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> FORT SMITH	<u>STATE</u> AR		
<u>AIRPORT ELEVATION</u> 469	<u>TDZE</u> 469	<u>SUPERSEDED</u> RNAV (GPS) RWY 8	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 05/19/2022	<u>MAG VAR</u> 1E	<u>EPOCH YEAR</u> 2025
<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>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 350/30 CW 170/30	NOPT	350/10 CW 170/10		4000
2. 350/10 CW 170/10		IXASY	IF/IAF	3000
3. 170/30 CW 260/30		UHLIL	IAF	3600
4. 260/30 CW 350/30		IJOFU	IAF	4500

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
UHLIL	IAF	IXASY	NOPT	TF	FB	1.00	170.04	10.00	3000
IJOFU	IAF	IXASY	NOPT	TF	FB	1.00	350.08	10.00	3000
IXASY	IF/IAF	JEMBO		TF	FB	1.00	080.06	6.67	1900
JEMBO	FAF	RW08	MAP	TF	FO	0.30	080.14	4.33	
RW08	MAP	669 MSL		CA			080.14		
669 MSL		UCAXE		DF	FO	1.00			3000



MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW08

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT UCAXE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD W IXASY, RT, 080.06 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 17500.					
3. FAC: 080.14		FAF: JEMBO		DIST FAF TO MAP: 4.33	DIST FAF TO THLD: 4.33
4. MIN ALT: IXASY 3000, JEMBO 1900					
5. DIST TO THLD FROM OM:	MM:	IM:	150 HAT:	200 HAT: 0.46	GS ANT:
6. MIN GP INCPT: 1900	GP ALT AT PFAF :	JEMBO 1900		OM:	MM:
					IM:
7. GP ANGLE: 3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 52.0		
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: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -11°C OR ABOVE 54°C.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO 3/4 SM, LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM AND LNAV CAT C/D/E VISIBILITY TO 1 3/8 SM.
CHART NOTE: CIRCLING NA FOR CAT E WHEN RESTRICTED AREA R-2401B ACTIVE.

ADDITIONAL FLIGHT DATA:

CHART SPEED ICON IN PLANVIEW AT UCAXE: MAX 230 KIAS.
CHART SPEED ICON IN PLANVIEW AT IXASY: MAX 230 KIAS.
HOLD E, RT, 260.36 INBOUND.
CHART FAS OBST: 709 TREE (05-097212) 352037N/0942243W.
CHART R-2401 A/B.
CHART R-2402 A/B/C.
CHART VDP AT 1.38 NM TO RW08.
WAAS CHANNEL # 77917
REFERENCE PATH ID: W08A
CHART CIRCLING ICON.
LTP HAE: 112.7 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	HAT/HAA
LPV DA	669	1/2	200	669	1/2	200	669	1/2	200	669	1/2	200	669	1/2	200	200
LNAV/VNAV DA	945	1	476	945	1	476	945	1	476	945	1	476	945	1	476	476
LNAV MDA	960	1/2	491	960	1/2	491	960	1	491	960	1	491	960	1	491	491
CIRCLING	1140	1	671	1140	1	671	1400	2 3/4	931	1400	3	931	1400	3	931	931

CHANGES - REASONS

1. PFAF/FAF OGOQU REPLACED WITH JEMBO, LOWERED FROM 2100 TO 1900 - TO MARRY WITH ILS RWY 8 APPROACH, ALTITUDE TO EXTEND INTERMEDIATE LENGTH REQUIREMENTS.
2. LNAV/VNAV MINIMUMS CHANGED FROM 1085-1 3/8 HAT 616 TO 945-1 HAT 476 - REVISED OBSTACLE DATA, VIS PER 8260.3E TABLE 3-3-1.
3. LNAV MINIMUMS CHANGED FROM MDA 1140 HAT 671 ALL CATS TO 960 HAT 491, VIS CAT C/D/E FROM 1 1/2 TO 1 - REVISED OBSTACLE DATA, VIS PER 8260.3E TABLE 3-3-3/3-3-4/3-3-5.
4. VDP CHANGED FROM 1.95 NM TO RW08 TO 1.38 - PER REVISED PROCEDURE DESIGN.
5. CRC REMAINDER CHANGED FROM C6928028 TO 9677FC93 - PER UPDATED PROCEDURE DESIGN.
6. CHANGED NOTE FROM "CIRCLING TO RWY 20 AND 26 NA AT NIGHT" TO READ "CIRCLING RWY 20, 26 NA AT NIGHT" - PER 8260.191.
7. UPDATED BARO-VNAV TEMPS, LOW FROM -15C TO -11C, HIGH FROM 53C TO 54C - PER UPDATED DESIGN.
8. CHANGED INOP ALS NOTE FROM "FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO 3/4 SM, LNAV/VNAV CAT E VISIBILITY TO 2 1/2 SM AND LNAV CAT E VISIBILITY TO 2 1/2 SM" TO READ "FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO 3/4 SM, LNAV/VNAV ALL CATS VISIBILITY TO 1 3/8 SM AND LNAV CAT C/D/E VISIBILITY TO 1 3/8 SM" - PER UPDATED MINIMUMS AND 8260.3E VIS TABLES.
9. IAFS UHLIL AND IJOFU EXTENDED FROM 6 NM TO 10 NM, UHLIL TO IXASY COURSE CHANGED FROM 170.05 TO 170.04 AND IJOFU TO IXASY COURSE CHANGED FROM 350.07 TO 350.08 - TO ACCOMMODATE ATC VECTORS. ATC REQUESTS NAME RETENTION.
10. DISTANCE IXASY TO PFAF (FORMERLY OGOQU, NOW JEMBO) CHANGED FROM 6.11 NM TO 6.67 NM, PFAF TO MAP FROM 4.89 NM TO 4.33 NM - PER PFAF RELOCATION.
11. GP ANGLE CHANGED FROM 3.04 TO 3.00 - PER ADJUSTED PFAF LOCATION.
12. ADDED NOTE CIRCLING NA FOR CAT E NW OF RWYS 8 AND 20 - PER 8260.191.
13. ADDED CHART SPEED ICON IN PLANVIEW AT IXASY: MAX 230 KIAS - PER 8260.191.
14. FAC AND CA LEG COURSE CHANGED FROM 080.13 TO 080.14 - FAF/PFAF RELOCATED.
15. DISTANCE FAF TO THLD CHANGED FROM 4.89 TO 4.33 - FAF/PFAF RELOCATED.
16. FAS OBST CHANGED FROM 892 TOWER 352045N/0942617W, 830 ANT ON OL TK 352046N/0942343W TO 709 TREE (05-097212) 352037N/0942243W - 830 LNAV/VNAV OBSTACLE NO LONGER REQUIRED AND LNAV 892 OBSTACLE NO LONGER IN THE REVISED FINAL SEGMENT AREA.
17. FAS DATA BLOCK FPAP CHANGED FROM 352014.6270N/0942105.6110W TO 352015.0725N/0942102.0925W - TARGETS DERIVED.
18. FAS DATA BLOCK GLIDEPATH ANGLE CHANGED FROM 3.04 TO 3.00 - PER 8260.3E 2-6-3 AND TO MATCH WITH THE ILS OR LOC RWY 8 PROCEDURE.
19. FAS DATA BLOCK LENGTH OFFSET CHANGED FROM 0304 TO 0000 - RWY 26 THLD EXTENDED.



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

Apr 03, 2023

OFFICE

AJV-A423

DATE

02/16/2023

APPROVED BY

ALLAN WILL

Digitally signed by

ALLAN WILL

Apr 11, 2023

OFFICE

AJV-A423

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KFSM
RUNWAY	RW08
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W08A
LTP/FTP LATITUDE	352000.9740N
LTP/FTP LONGITUDE	0942253.2315W
LTP/FTP ELLIPSOIDAL HEIGHT	+01127
FPAP LATITUDE	352015.0725N
FPAP LONGITUDE	0942102.0925W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
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	9677FC93

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01430
FPAP ORTHOMETRIC HEIGHT	+01430

