

**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 2	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> FORT SMITH	<u>STATE</u> AR		
<u>AIRPORT ELEVATION</u> 469	<u>TDZE</u> 449	<u>SUPERSEDED</u> RNAV (GPS) RWY 1	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 05/20/2021	<u>MAG VAR</u> 1E	<u>EPOCH YEAR</u> 2025
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MAY 2022	<u>REQUIRED EFFECTIVE DATE</u> 05/19/2022	<u>CANCEL/SUSPEND</u>		

**TAA**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>ALTITUDE</b>
1. 290/30 CW 110/30	NOPT	290/9 CW 110/9		4200
2. 290/9 CW 110/9		ATEDE	IF/IAF	4100
3. 110/30 CW 200/30		EGODE	IAF	4100
4. 200/30 CW 290/30		DONGE	IAF	4100

**TERMINAL ROUTES**

<b>FROM</b>	<b>FIX TYPE</b>	<b>TO</b>	<b>FIX TYPE</b>	<b>LEG TYPE</b>	<b>FO/FB</b>	<b>RNP</b>	<b>COURSE</b>	<b>DISTANCE</b>	<b>ALTITUDE</b>
EGODE	IAF	ATEDE	NOPT	TF	FB	1.00	110.03	6.00	4100
DONGE	IAF	ATEDE	NOPT	TF	FB	1.00	290.17	6.00	4100
ATEDE	IF/IAF	CAGUD		TF	FB	1.00	020.10	8.69	2800
CAGUD	FAF	RW2	MAP	TF	FO	0.30	020.14	7.09	
RW2	MAP	705 MSL		CA			020.14		
705 MSL		FANIP		DF	FO	1.00			3600

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW2

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3600 DIRECT FANIP AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3600.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD S ATEDE, RT, 020.10 INBOUND, 4100 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 020.14FAF: CAGUDDIST FAF TO MAP: 7.09DIST FAF TO THLD: 7.09

4. MIN ALT: ATEDE 4100, CAGUD 2800

5. DIST TO THLD FROM OM:MM:IM:150 HAT:256 HAT: 0.65GS ANT:

6. MIN GP INCPT: 2800GP ALT AT PFAF : CAGUD 2800OM:MM:IM:

7. GP ANGLE: 3.0634:1: IS NOT CLEAR20:1: IS CLEARTCH: 50.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING TO RWY 20 AND 26 NA AT NIGHT.  
CHART NOTE: RWY 02 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 200.19 INBOUND.  
CHART FAS OBST: 627 TREE 351853N/0942218W.  
CHART 1035 TOWER 351312N/0942420W.  
WAAS CHANNEL # 58217  
REFERENCE PATH ID: W02A  
CHART CIRCLING ICON.  
LTP HAE: 106.6 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT C 1000-2 3/4, CAT D 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	705	1	256	705	1	256	705	1	256	705	1	256			
LNAV/VNAV DA	942	1 3/4	493	942	1 3/4	493	942	1 3/4	493	942	1 3/4	493			
LNAV MDA	1160	1	711	1160	1	711	1160	2	711	1160	2 1/4	711			
CIRCLING	1160	1	691	1160	1	691	1400	2 3/4	931	1400	3	931			



**CHANGES - REASONS**

1. UPDATED MAGVAR FROM E5/1990 TO 1E/2025 - MAGVAR.
2. UPDATED RUNWAY NUMBER FROM 01 TO 02 - MAGVAR.
3. TAA CHANGED FROM "286/30 CW 106/30 TO 286/9 CW 106/9 TO ATEDE" TO "290/30 CW 110/30 TO 290/9 CW 110/9 TO ATEDE" - MAGVAR.
4. TAA CHANGED FROM "106/30 CW 196/30 TO ECODE" TO "110/30 CW 200/30 TO ECODE" - MAGVAR.
5. TAA CHANGED FROM "196/30 CW 286/30 TO DONGE" TO "200/30 CW 290/30 TO DONGE" - MAGVAR.
6. COURSE FROM ECODE TO ATEDE CHANGED FROM 106.03 TO 110.03 - MAGVAR.
7. COURSE FROM DONGE TO ATEDE CHANGED FROM 286.17 TO 290.17 - MAGVAR.
8. COURSE FROM ATEDE TO CAGUD CHANGED FROM 016.10 TO 020.10 - MAGVAR.
9. COURSE FROM CAGUD TO RW2 CHANGED FROM 016.14 TO 020.14 - MAGVAR.
10. FAC CHANGED FROM 016.14 TO 020.14 - MAGVAR.
11. NOTE CHANGED FROM "RWY 01 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO " RWY 02 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - RUNWAY RENUMBERED.
12. CRC REMAINDER CHANGED FROM 2904C1BF TO DA4D9C72 - RUNWAY RENUMBERED, GPA UNROUNDED, FPAP LAT AND LONG UNROUNDED.
13. ADDITIONAL FLIGHT DATA CHANGED FROM REFERENCE PATH ID: W01A TO REFERENCE PATH ID: W02A - RUNWAY RENUMBERED.
14. ADDITIONAL FLIGHT DATA CHANGED FROM HOLD N, RT, 196.19 INBOUND TO HOLD N, RT, 200.19 INBOUND. - MAGVAR.
15. LINE 2 CHANGED CRS INBOUND FROM 016.10 INBOUND TO 20.10 INBOUND. - MAGVAR
16. RNP VALUE FOR TERMINAL ROUTE ATEDE TO CAGUD CHANGED FROM 0.50 TO 1.00 - 8260.19I
17. PROFILE LINE 7 GP ANGLE CHANGED FROM 3.00 TO 3.06 - UNROUNDED VALUE.
18. PBN REQUIREMENTS NOTE CHANGED FROM RNP APCH TO RNP APCH - GPS. - 8260.19I
19. NOTE CHANGED FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15°C OR ABOVE 48°C" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C" - CORRECTED CALCULATED ABOVE TEMP.
20. ADDED ADDITIONAL FLIGHT DATA CHART 1035 TOWER 351312N/0942420W - 8260.19I
21. REMOVED ADDITIONAL FLIGHT DATA CHART: ASR - NOT REQUIRED 8260.19I
22. ADDED CHART NOTE: CIRCLING TO RWY 20 AND 26 NA AT NIGHT. - BOTH RWY 20 AND 26 20:1 PENETRATIONS.

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZME, FSM ATCT, AMGR, FSM APP CON

**FLIGHT CHECKED BY**

PENDING

Digitally signed by **OFFICE****DATE****JON DENTON**

Feb 07, 2022

**DEVELOPED BY**

TYLER MITCHELL

Digitally signed by

**TYLER D MITCHELL**

Dec 23, 2021

**OFFICE**

AJV-A432

**DATE**

10/12/2021

**APPROVED BY**

LONNIE EVERHART

Digitally signed by

**JON DENTON**

Feb 07, 2022

**OFFICE**

AJV-A430

**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	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	351956.1385N
LTP/FTP LONGITUDE	0942209.5000W
LTP/FTP ELLIPSOIDAL HEIGHT	+01066
FPAP LATITUDE	352119.3515N
FPAP LONGITUDE	0942130.1570W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.06
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	DA4D9C72

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01368
FPAP ORTHOMETRIC HEIGHT	+01368

