

**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SUPERSEDED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>	<u>REQUIRED EFFECTIVE DATE</u> 05/19/2022	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
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

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
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



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT ID</u> KFSM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 2	<u>AMDT NO.</u> 2C	<u>CITY</u> FORT SMITH	<u>STATE</u> AR	<u>AIRPORT ELEVATION</u> 469	<u>FACILITY</u> RNAV
---------------------------	---	-----------------------	---------------------------	--------------------	---------------------------------	-------------------------

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM
290/30 CW 110/30

TO
290/9 CW 110/9

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
												1.TOWER (04-2031)	345745.22N/0942230.92W	2890	20	3	1A	1000					3900
												2.TERRAIN	344027.00N/0941945.00W	2681 (2700)								AS1500	4200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM
290/9 CW 110/9

TO
ATEDE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>							<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
												1.TOWER (04-2031)	345745.22N/0942230.92W	2890	20	3	1A	1000					3900
												3.TERRAIN	345745.00N/0942230.00W	2645 (2600)								AS1500	4100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



LEFT BASE AREA

FROM
110/30 CW 200/30

TO
EGODE

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
4.AAO	350130.90N/0942805.50W		2768	1000	3	6A	1000				AT332	4100
5.TERRAIN	353433.00N/0943633.00W		1405 (1400)								AS1500	2900

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM
200/30 CW 290/30

TO
DONGE

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
4.AAO	350130.90N/0942805.50W		2768	1000	3	6A	1000				AT332	4100
6.TERRAIN	345845.00N/0935642.00W		2186 (2200)								AS1500	3700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INITIAL

FROM
EGODE

TO
ATEDE

RNP	DISTANCE 6.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.AAO	350333.00N/0942745.00W		1910	164	98	4E	1000				AT1190	4100
8.TERRAIN	350333.00N/0942745.00W		1710 (1700)								AS1500	3200

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM
DONGE

TO
ATEDE

RNP	DISTANCE 6.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.AAO	350318.00N/0942436.00W		2287	164	98	4E	1000				AT813	4100
10.TERRAIN	350318.00N/0942436.00W		2087 (2100)								AS1500	3600

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM
ATEDE (IF/IAF)

TO
CAGUD

RNP	DISTANCE 8.69	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
11.AAO	350312.00N/0942452.00W		2286	50	3	2A	500					2800
12.TERRAIN	350333.00N/0942745.00W		1709 (1700)								AS1000	2700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM
CAGUD

TO
RW2

RNP	DISTANCE 7.09	PAT	MAP DA	HAT 256			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
13.TOWER (05-022527)	351934.12N/0942214.81W		523	20	3	1A		33.33:1			MA6	705

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM
CAGUD

TO
RW2

RNP	DISTANCE 7.09	PAT	MAP DA	HAT 493			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
14.TREE (KF SM 0061)	351852.85N/0942218.43W		627	50	20	2C		22.88:1			AC20	942

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:

FINAL: LNAV

FROM
CAGUD

TO
RW2

RNP	DISTANCE 7.09	PAT	MAP RW2	HAT 711			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
14.TOWER (05-001172)	351648.00N/0942338.00W		840	50	20	2C	250				XL55	1160

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM
ATEDE

TO
P-6

RNP	DISTANCE	PAT P-6	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
4.AAO	350130.90N/0942805.50W		2768	1000	3	6A	1000					3800
16.TERRAIN	350130.90N/0942805.50W		2568 (2600)								AS1500	4100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH : LPV

FROM
DA

TO
FANIP

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 515					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
13.TOWER (05-022527)	351934.12N/0942214.81W		523	20	3	1A		ASC				3600
17.TOWER (05-000675)	352651.00N/0942154.00W		1095	250	50	4D	1000				AC50	2200
18.TERRAIN	353003.00N/0942015.00W		869 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSED APPROACH : LNAV/VNAV

FROM
DA

TO
FANIP

RNP	DISTANCE	PAT	MAP	HAT			HMAS 648					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3600
17.TOWER (05-000675)	352651.00N/0942154.00W		1095	250	50	4D	1000				AC50	2200
18.TERRAIN	353003.00N/0942015.00W		869 (900)								AS1500	2400

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
--------------	-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM
RW2

TO
FANIP

RNP	DISTANCE	PAT	MAP	HAT			HMAS 855					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3600
17.TOWER (05-000675)	352651.00N/0942154.00W		1095	250	50	4D	1000				AC50	2200
18.TERRAIN	353003.00N/0942015.00W		869 (900)								AS1500	2400

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
--------------	-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:



<div>AIRPORT ID KFSM</div>	<div>PROCEDURE NAME RNAV (GPS) RWY 2</div>	<div>AMDT NO. 2C</div>	<div>CITY FORT SMITH</div>	<div>STATE AR</div>	<div>AIRPORT ELEVATION 469</div>	<div>FACILITY RNAV</div>					
<div><div>CIRCLING</div><div><input type="checkbox"/> ALL CATS</div><div><input checked="" type="checkbox"/> CAT A</div><div><input checked="" type="checkbox"/> CAT B</div><div><input checked="" type="checkbox"/> CAT C</div><div><input checked="" type="checkbox"/> CAT D</div><div><input type="checkbox"/> CAT E</div><div><input type="checkbox"/> NOT AUTHORIZED</div></div>											
<div>OBSTRUCTION</div>	<div>COORDINATES</div>	<div>RADIUS</div>	<div>HAA</div>	<div>ELEV MSL</div>	<div>HORZ</div>	<div>VERT</div>	<div>AC</div>	<div>ROC</div>	<div>OCS</div>	<div>ADJUSTMENTS</div>	<div>MIN ALT</div>
<div>CATEGORY A</div>											
<div>19.TOWER (05-002405)</div>	<div>352046.69N/0942344.43W</div>	<div>1.30</div>	<div>691</div>	<div>828</div>	<div>50</div>	<div>3</div>	<div>2A</div>	<div>300</div>		<div>SI</div>	<div>1160</div>
<div>CATEGORY B</div>											
<div>19.TOWER (05-002405)</div>	<div>352046.69N/0942344.43W</div>	<div>1.82</div>	<div>691</div>	<div>828</div>	<div>50</div>	<div>3</div>	<div>2A</div>	<div>300</div>		<div>SI</div>	<div>1160</div>
<div>CATEGORY C</div>											
<div>20.TOWER (05-000057)</div>	<div>352116.00N/0942554.00W</div>	<div>2.86</div>	<div>931</div>	<div>1047</div>	<div>250</div>	<div>50</div>	<div>4D</div>	<div>300</div>		<div>AC50</div>	<div>1400</div>
<div>CATEGORY D</div>											
<div>20.TOWER (05-000057)</div>	<div>352116.00N/0942554.00W</div>	<div>3.74</div>	<div>931</div>	<div>1047</div>	<div>250</div>	<div>50</div>	<div>4D</div>	<div>300</div>		<div>AC50</div>	<div>1400</div>
<div>CIRCLING REMARKS:</div>											
<div><div>CENTER</div><div>RADIUS</div></div>											
<div>REMARKS:</div>											
<div>NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:</div>											
<div>QUALITY 19 CHECKED</div>											

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 8 of 14

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZME ARTCC, RZC APP CON, FSM TOWER

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	KFSM	24	KFSM	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS

WX REMARKS:
REDUNDANT WX AVAILABLE - NO BACK-UP REQUIRED.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW2 - MIRL (PCL), PAPI-4R		BSC-G	
RW20 - MIRL (PCL), PAPI-4L		NPI-G	
RW8 - MALSR (PCL), HIRL (PCL), PAPI-4R		PIR-G	ROLL OUT
RW26 - MALSR (PCL), HIRL (PCL), PAPI-4L		PIR-G	APPROACH

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.06	448.8	50.0			3.00	50.0

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-15C	+54C	-15C	+14.07C

CRITICAL TEMPERATURE REMARKS:
AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 980 HIGH TEMP 1268.

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RWY 20
------------	-----------------



AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KFSM	RNAV (GPS) RWY 2	2C	FORT SMITH	AR	469	RNAV
20:1						
519 TREE (05-097870) 352055.42N/0942144.80W (15.2)			516 TREE (05-097846) 352054.99N/0942144.24W (13.39)			
512 TREE (05-096597) 352055.27N/0942144.56W (8.55)			527 TREE (05-095263) 352059.17N/0942144.96W (5.76)			
508 TREE (05-095482) 352055.04N/0942144.49W (5.53)			508 TREE (05-094529) 352055.55N/0942145.88W (5.2)			
510 TREE (05-093884) 352055.81N/0942144.95W (4.59)						
Final Type	CIRCLING RWY 26					
20:1						
612 TOWER (05-002293) 352045.06N/0942042.19W (8.91)			514 TREE (05-098013) 352027.84N/0942101.36W (2.69)			
Final Type	LPV,LNAV/VNAV, LNAV					
34:1						
523 TOWER (05-022527) 351934.12N/0942214.81W (14.35)			491 TREE (05-029951) 351943.73N/0942213.12W (10.49)			
481 TREE (05-098022) 351946.75N/0942211.29W (10.47)			480 TREE (05-094759) 351947.02N/0942211.19W (10.31)			
481 TREE (05-029740) 351946.99N/0942212.27W (10.27)			484 TREE (05-094450) 351945.78N/0942211.93W (10.22)			
475 TREE (05-096159) 351948.39N/0942209.95W (10.2)			482 TREE (05-095225) 351946.43N/0942211.87W (10.07)			
480 TREE (05-097358) 351948.21N/0942215.44W (9.87)			477 TREE (05-095901) 351948.23N/0942212.19W (9.78)			
481 TREE (05-093931) 351946.35N/0942210.84W (9.76)			480 TREE (05-096188) 351948.36N/0942216.12W (9.68)			
483 TREE (05-094254) 351946.16N/0942212.63W (9.66)			482 TREE (05-095577) 351946.33N/0942212.43W (9.3)			
482 TREE (05-096819) 351946.13N/0942212.14W (9)			476 TREE (05-095165) 351947.67N/0942210.26W (8.93)			
479 TREE (05-093998) 351947.85N/0942214.27W (8.9)			481 TREE (05-095020) 351946.10N/0942211.12W (8.82)			
481 TREE (05-068775) 351947.65N/0942216.39W (8.48)			482 TREE (05-093819) 351945.86N/0942212.19W (8.21)			
477 TREE (05-095546) 351947.26N/0942211.21W (7.96)			479 TREE (05-097986) 351947.87N/0942215.41W (7.95)			
481 TREE (05-093948) 351947.19N/0942215.81W (7.71)			473 TREE (05-030070) 351948.14N/0942209.82W (7.62)			
474 TREE (05-094979) 351948.11N/0942210.95W (7.54)			475 TREE (05-096960) 351948.37N/0942213.31W (7.19)			
482 TREE (05-093706) 351946.82N/0942216.46W (7.11)			477 TREE (05-094136) 351947.14N/0942211.89W (7.02)			
477 TREE (05-095983) 351946.82N/0942211.02W (6.9)			472 TREE (05-095224) 351948.23N/0942210.16W (6.57)			
470 TRAVERSE_WAY (05-096302) 351949.15N/0942210.78W (6.57)			476 TREE (05-093623) 351948.04N/0942214.56W (6.17)			
469 TRAVERSE_WAY (05-097391) 351949.13N/0942210.16W (6.07)			470 TRAVERSE_WAY (05-096080) 351949.17N/0942211.47W (6.02)			
481 TREE (05-094935) 351945.01N/0942211.28W (5.65)			467 TREE (05-093925) 351949.52N/0942209.64W (5.6)			
488 TREE (05-095029) 351943.34N/0942214.17W (5.48)			480 TREE (05-095517) 351945.25N/0942211.29W (5.31)			

QUALITY

19

CHANGED



AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
KFSM	RNAV (GPS) RWY 2	2C	FORT SMITH	AR	469	RNAV
480 TREE (05-094857) 351946.78N/0942216.13W (5.29)			474 TREE (05-096904) 351948.01N/0942213.22W (5.27)			
472 TREE (05-097893) 351948.16N/0942211.54W (5.16)			478 TREE (05-094373) 351947.40N/0942216.03W (5.1)			
470 TRAVERSE_WAY (05-027381) 351949.20N/0942212.72W (5.01)			471 TRAVERSE_WAY (05-097125) 351949.23N/0942214.01W (4.95)			
471 TRAVERSE_WAY (05-095869) 351949.24N/0942214.42W (4.62)			478 TREE (05-097778) 351947.26N/0942216.40W (4.39)			
476 TREE (05-096532) 351947.04N/0942213.53W (4.3)			478 TREE (05-095211) 351946.98N/0942215.69W (4.24)			
473 TREE (05-094243) 351948.28N/0942214.13W (4.21)			485 TREE (05-095382) 351943.52N/0942212.81W (4.18)			
471 TRAVERSE_WAY (05-093960) 351949.26N/0942215.29W (3.91)			478 TREE (05-095487) 351946.72N/0942215.28W (3.88)			
471 TREE (05-094923) 351948.01N/0942211.42W (3.85)			475 TREE (05-097509) 351947.41N/0942214.07W (3.85)			
475 TREE (05-094047) 351947.10N/0942213.19W (3.77)			468 TREE (05-095184) 351949.72N/0942213.53W (3.74)			
486 TREE (05-097395) 351943.05N/0942213.01W (3.7)			465 TREE (05-030066) 351949.40N/0942209.42W (3.47)			
474 TREE (05-095283) 351947.66N/0942214.19W (3.44)			466 TREE (05-094761) 351949.55N/0942211.61W (2.95)			
472 TREE (05-095476) 351947.54N/0942212.25W (2.82)			467 TREE (05-095954) 351948.61N/0942210.00W (2.76)			
475 TREE (05-095541) 351946.19N/0942211.47W (2.76)			469 TREE (05-094281) 351947.89N/0942210.19W (2.6)			
470 TREE (05-094925) 351948.09N/0942212.13W (2.45)			470 TREE (05-097454) 351948.33N/0942212.94W (2.4)			
472 TREE (05-030073) 351948.13N/0942214.65W (2.34)			467 TREE (05-096406) 351949.54N/0942213.56W (2.21)			
476 TREE (05-095418) 351945.54N/0942211.19W (2.2)			472 TREE (05-096051) 351947.76N/0942213.70W (2.15)			
475 TREE (05-096913) 351947.47N/0942216.27W (2.08)			465 TREE (05-097751) 351949.51N/0942211.36W (2.06)			
474 TREE (05-097810) 351947.45N/0942215.13W (2.03)			468 TREE (05-094828) 351948.00N/0942210.25W (1.85)			
472 TREE (05-027093) 351947.97N/0942214.72W (1.84)			475 TREE (05-095041) 351946.91N/0942214.86W (1.77)			
504 TRANSMISSION_LINE (05-022579) 351936.56N/0942215.30W (1.68)			504 POLE (05-029970) 351936.56N/0942215.30W (1.68)			
469 TREE (05-096458) 351948.65N/0942213.70W (1.62)			470 TREE (05-094084) 351948.40N/0942214.07W (1.6)			
467 TREE (05-094862) 351949.45N/0942214.08W (1.5)			479 TREE (05-095065) 351944.35N/0942211.66W (1.49)			
468 TREE (05-095718) 351949.54N/0942215.76W (1.27)			474 TREE (05-096233) 351947.25N/0942215.44W (1.2)			
465 TREE (05-095853) 351949.40N/0942212.01W (1.19)			474 TREE (05-095250) 351946.72N/0942213.91W (1.08)			
472 TREE (05-094372) 351947.53N/0942214.30W (0.98)			477 TREE (05-098025) 351944.78N/0942211.39W (0.92)			
474 TREE (05-096142) 351946.54N/0942213.54W (0.91)			473 TREE (05-094357) 351946.46N/0942212.20W (0.87)			
464 TREE (05-095513) 351949.55N/0942211.78W (0.8)			463 TREE (05-096871) 351949.38N/0942210.19W (0.73)			
501 TRANSMISSION_LINE (05-022565) 351936.58N/0942213.05W (0.72)			501 POLE (05-027382) 351936.58N/0942213.05W (0.72)			
469 TREE (05-093687) 351947.93N/0942212.56W (0.63)			466 TREE (05-095202) 351948.29N/0942210.32W (0.59)			

QUALITY
19
CHECKED

471 TREE (05-096964) 351947.16N/0942212.90W (0.19)	463 TREE (05-030068) 351949.36N/0942210.90W (0.05)
--	--

PENETRATIONS REMARKS:

612 TOWER (05-002293) IS LIT.

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

VDP NOT ESTABLISHED - NOT PREVIOUSLY PUBLISHED.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VEGETATION HEIGHT: 100 FT.

ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID KFSM	PROCEDURE NAME RNAV (GPS) RWY 2	AMDT NO. 2C	CITY FORT SMITH	STATE AR	AIRPORT ELEVATION 469	FACILITY RNAV
---------------------------	---	-----------------------	---------------------------	--------------------	---------------------------------	-------------------------

PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	4.08
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.62
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	021.14
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	869
DISTANCE FROM	THLD	TO 1500FT POINT	6.28
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.93
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	021.14
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	869

THRESHOLD
COORDINATES
(IF STR-IN)

351956.14N/0942209.50W

ARP COORDINATES

352011.71N/0942202.80W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 8 DISTANCE 0.71 NM

FAF
COORDINATES

351318.98N/0942516.92W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY
19
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 13 of 14

PART E: PREPARED BY

<u>NAME</u> TYLER MITCHELL	<u>OFFICE</u> AJV-A432	<u>DATE</u> 10/12/2021	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
-------------------------------	---------------------------	---------------------------	---

