

**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> 1C	<u>CITY</u> FORT SMITH	<u>STATE</u> AR		
<u>AIRPORT ELEVATION</u> 469	<u>TDZE</u> 469	<u>SUPERSEDED</u> RNAV (GPS) RWY 7	<u>ORIGINAL/AMENDMENT</u> 1B	<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. 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	170.05	6.00	3000
IJOFU	IAF	IXASY	NOPT	TF	FB	1.00	350.07	6.00	3000
IXASY	IF/IAF	OGOQU		TF	FB	1.00	080.06	6.11	2100
OGOQU	FAF	RW8	MAP	TF	FO	0.30	080.13	4.89	
RW8	MAP	669 MSL		CA			080.13		
669 MSL		UCAXE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW8

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: 080.13FAF: OGOQUDIST FAF TO MAP: 4.89DIST FAF TO THLD: 4.89

4. MIN ALT: IXASY 3000, OGOQU 2100

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.46GS ANT:

6. MIN GP INCPT: 2100GP ALT AT PFAF : OGOQU 2100OM:MM:IM:

7. GP ANGLE: 3.0434:1: IS CLEAR20:1: IS CLEARTCH: 52.0

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING TO RWY 20 AND 26 NA AT NIGHT.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 53°C.
CHART NOTE: 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.
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.
HOLD E, RT, 260.36 INBOUND.
CHART FAS OBST: 892 TOWER 352045N/0942617W, 830 ANT ON OL TK 352046N/0942343W.
CHART R-2401 A.
CHART R-2401 B.
CHART R-2402.
CHART VDP AT 1.95 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
LNAV/VNAV DA	1085	1 3/8	616	1085	1 3/8	616	1085	1 3/8	616	1085	1 3/8	616	1085	1 3/8	616
LNAV MDA	1140	1/2	671	1140	1/2	671	1140	1 1/2	671	1140	1 1/2	671	1140	1 1/2	671
CIRCLING	1140	1	671	1140	1	671	1400	2 3/4	931	1400	3	931	1400	3	931

CHANGES - REASONS

1. UPDATED AIRPORT MAGVAR FROM E5/1990 TO 1E/2025 - MAGVAR.
2. UPDATED RUNWAY NUMBER FROM 07 TO 08 - MAGVAR.
3. TAA CHANGED FROM "346/30 CW 166/30 TO 346/10 CW 166/10 TO IXASY" TO "350/30 CW 170/30 TO 350/10 CW 170/10 TO IXASY" - MAGVAR.
4. TAA CHANGED FROM "166/30 CW 256/30 TO UHLIL" TO "170/30 CW 260/30 TO UHLIL" - MAGVAR.
5. TAA CHANGED FROM "256/30 CW 346/30 TO IJOFU" TO "260/30 CW 350/30 TO IJOFU" - MAGVAR.
6. COURSE FROM UHLIL TO IXASY CHANGED FROM 166.05 TO 170.05 - MAGVAR.
7. COURSE FROM IJOFU TO IXASY CHANGED FROM 346.07 TO 350.07 - MAGVAR.
8. COURSE FROM IXASY TO OGOQU CHANGED FROM 076.06 TO 080.06 - MAGVAR.
9. COURSE FROM OGOQU TO RW8 CHANGED FROM 076.06 TO 080.06 - MAGVAR.
10. FAC CHANGED FROM 076.13 TO 080.13 - MAGVAR.
11. ADDITIONAL FLIGHT DATA CHANGED FROM HOLD E, RT, 256.36 INBOUND TO HOLD E, RT, 260.36 INBOUND
12. CRC REMAINDER CHANGED FROM 01C652AA TO C6928028 - RUNWAY RENUMBERED, FPAP COORDS UPDATED, LENGTH OFFSET UPDATED, LTP COORDS UPDATED.
13. ADDITIONAL FLIGHT DATA CHANGED FROM REFERENCE PATH ID: W07A TO REFERENCE PATH ID: W08A - RUNWAY RENUMBERED.
14. LINE 2 CRS INBOUND CHANGED FROM 076.06 INBOUND TO 080.06 INBOUND.
15. PROFILE LINE 7 GP ANGLE CHANGED FROM 3.00 TO 3.04 AND 20:1 IS CLEAR ADDED - UNROUNDED GPA, AND 20:1 IS CLEAR.
16. PBN REQUIREMENTS NOTE CHANGED FROM RNP APCH TO RNP APCH - GPS - 8260.19I
17. ADDED CHART NOTE: CIRCLING NA TO RWY 20 AND 26 AT NIGHT. - 20:1 PENETRATIONS EXIST FOR RWY 20 AND 26.
18. ADD CHART CIRCLING ICON. - 8260.19I
19. REMOVED ADDITIONAL FLIGHT DATA: CHART ASR - NOT REQUIRED.
20. CHANGE CHART NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 48C" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS,LNAV/VNAV NA BELOW -15C OR ABOVE 53C." - CORRECTED CALCULATION.
- 21.REMOVED ADDITIONAL FLIGHT DATA CHART TIL PLANVIEW: MAXIMUM HOLDING AIRSPEED 230 KIAS AND ADDED CHART SPEED ICON IN PLANVIEW AT UCAXE MAX 230 KIAS. - UPDATED NOTE IAW 8260.19I.
22. CHANGED CHART NOTE FROM "FOR INOPERATIVE ALS, INCREASE LPV CAT E VISIBILITY TO 3/4, LNAV/VNAV CAT E VISIBILITY TO 2 1/4 AND LNAV CAT E VISIBILITY TO 2 1/2" TO "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" - NOTE UPDATED BASED ON CORRECTED VISIBILITY VALUES IAW 8260.3E.
23. LNAV/VNAV ALL CATS VISIBILITY CHANGED FROM 1 3/4 SM TO 1 3/8 SM - CORRECTED VALUE IAW 8260.3E.
24. LNAV CAT D AND E VISIBILITY CHANGED FROM 1 3/4 SM AND 2 SM TO 1 1/2 SM - CORRECTED VALUE IAW 8260.3E



AIRPORT ID
KFSM

PROCEDURE NAME
RNAV (GPS) RWY 8

ORIGINAL/AMENDMENT
1C

CITY
FORT SMITH

STATE
AR

COORDINATED WITH:

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

FLIGHT CHECKED BY

PENDING

DEVELOPED BY

TYLER MITCHELL

Digitally signed by
TYLER D MITCHELL
Jan 18, 2022

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Feb 07, 2022

OFFICE

OFFICE

AJV-A432

Digitally signed by

JON DENTON

Feb 07, 2022

OFFICE

AJV-A430

DATE

DATE

10/12/2021

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	352014.6270N
FPAP LONGITUDE	0942105.6110W
THRESHOLD CROSSING HEIGHT (TCH)	00052.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.04
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0304
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	C6928028

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01429
FPAP ORTHOMETRIC HEIGHT	+01429



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

<u>AIRPORT ID</u> KFSM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 8	<u>AMDT NO.</u> 1C	<u>CITY</u> FORT SMITH	<u>STATE</u> AR	<u>AIRPORT ELEVATION</u> 469	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 350/30 CW 170/30 TO 350/10 CW 170/10

<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.AAO	350130.90N/0942805.50W	2768	164	98	4E	1000				AT232	4000
												2.TERRAIN	350418.00N/0944048.00W	2382 (2400)								AS1500	3900

COMPUTATIONS

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

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM 350/10 CW 170/10 TO IXASY

<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>
												3.TOWER (40-001220)	352425.00N/0944127.00W	1213	100	20	3C	1000				AT787	3000
												4.TERRAIN	352421.00N/0944130.00W	837 (800)								AS1500	2300

COMPUTATIONS

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

SEGMENT REMARKS:



LEFT BASE AREA

FROM
170/30 CW 260/30

TO
UHLIL

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
5.TOWER (05-000443)	354237.00N/0940816.00W		2469	100	20	3C	1000					3500
6.TERRAIN	354451.00N/0940657.00W		2064 (2100)								AS1500	3600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM
260/30 CW 350/30

TO
IJOFU

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
7.TOWER (05-002031)	345745.22N/0942230.92W		2890	20	3	1A	1000				AT610	4500
8.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:



INITIAL

FROM

UHLIL

TO

IXASY

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	6.00											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (40-001220)	352425.00N/0944127.00W		1213	100	20	3C	1000				AT787	3000
9.TERRAIN	352403.00N/0943845.00W		624 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INITIAL

FROM

IJOFU

TO

IXASY

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	6.00											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
10.AAO	351221.00N/0943027.00W		932	164	98	4E	1000				AT1068	3000
11.TERRAIN	351342.00N/0943506.00W		667 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



INTERMEDIATE

FROM
IXASY (IF/IAF)

TO
OGOQU

RNP	DISTANCE 6.11	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
12.TOWER (40-002072)	351447.00N/0943503.00W		806	20	3	1A	500					1400
13.TERRAIN	351557.00N/0943406.00W		588 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM
OGOQU

TO
RW8

RNP	DISTANCE 4.89	PAT	MAP DA	HAT 200			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				669

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM
OGOQU

TO
RW8

<u>RNP</u>	<u>DISTANCE</u> 4.89	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 616			<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>
14.ANT ON OL TK (KFSM0064)	352045.53N/0942342.92W		830	50	20	2C		PDA			AC20 SA-105 MA69 XP18	1085

COMPUTATIONS

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

SEGMENT REMARKS:

XP=CURRENT PROCEDURE

FINAL: LNAV

FROM
OGOQU

TO
RW8

<u>RNP</u>	<u>DISTANCE</u> 4.89	<u>PAT</u>	<u>MAP</u> RW8	<u>HAT</u> 671			<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>
15.TOWER (05-001398)	352045.00N/0942617.00W		892	500	50	5D	250				SA-65 AC50	1140

COMPUTATIONS

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

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM
IXASY

TO
P-7

RNP	DISTANCE	PAT P-7	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
16.AAO	351200.00N/0945051.00W		1080	164	98	4E	1000				AT920	3000
17.TERRAIN	351200.00N/0945051.00W		880 (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 : LPV

FROM
DA

TO
UCAXE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 503					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
18.TOWER (05-000220)	352047.00N/0942423.00W		767	20	10	1B		ASC			AC10	3000
19.AAO	352451.00N/0940615.00W		991	164	98	4E	1000					2000
20.TERRAIN	352451.00N/0940615.00W		791 (800)								AS1500	2300

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
UCAXE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 768					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
18.TOWER (05-000220)	352047.00N/0942423.00W		767	20	10	1B		ASC			AC10	3000
19.AAO	352451.00N/0940615.00W		991	164	98	4E	1000					2000
20.TERRAIN	352451.00N/0940615.00W		791 (800)								AS1500	2300

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

MISSED APPROACH : LNAV

FROM
RW8

TO
UCAXE

RNP	DISTANCE	PAT	MAP	HAT			HMAS 890					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
18.TOWER (05-000220)	352047.00N/0942423.00W		767	20	10	1B		ASC			AC10	3000
19.AAO	352451.00N/0940615.00W		991	164	98	4E	1000					2000
20.TERRAIN	352451.00N/0940615.00W		791 (800)								AS1500	2300

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



CIRCLING

☒ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☒ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
21.TOWER (05-002405)	352046.69N/0942344.43W	1.30	671	828	50	3	2A	300			1140
CATEGORY B											
21.TOWER (05-002405)	352046.69N/0942344.43W	1.82	671	828	50	3	2A	300			1140
CATEGORY C											
22.TOWER (05-000057)	352116.00N/0942554.00W	2.86	931	1047	250	50	4D	300		AC50	1400
CATEGORY D											
22.TOWER (05-000057)	352116.00N/0942554.00W	3.74	931	1047	250	50	4D	300		AC50	1400
CATEGORY E											
23.AAO	351539.26N/0942355.53W	4.67	931	950	50	20	2C	300		XP140	1400

CIRCLING REMARKS:

XP = MATCH CAT D MINIMUMS

CENTERRADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

OBST. 15: FINAL OBSTACLE (05-001398) LOCATED IN THE SECONDARY ZONE MOVED 500 FT CLOSER TO PRIMARY DUE TO (5D) ACCURACY CODE.
PROCEDURE BUILT TO 52 FT TCH PER FPO REQUEST.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
ZME ARTCC, FSM APP CON

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 SOURCES AVAILABLE, BACK-UP NOT 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
3.04	468.9	52.0			3.00	51.3

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	+53C		

CRITICAL TEMPERATURE REMARKS:
AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.



"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RWY 20		
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)	

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:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



<u>AIRPORT ID</u> KFSM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 8	<u>AMDT NO.</u> 1C	<u>CITY</u> FORT SMITH	<u>STATE</u> AR	<u>AIRPORT ELEVATION</u> 469	<u>FACILITY</u> RNAV
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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	3.26
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.78
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	081.87
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	630
DISTANCE FROM	IF	TO 1500FT POINT	4.81
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.67
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	081.87
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	588

THRESHOLD
COORDINATES
(IF STR-IN)

352000.97N/0942253.23W

ARP COORDINATES

352011.71N/0942202.80W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 8 DISTANCE 0.71 NM

FAF
COORDINATES

351915.81N/0942847.68W

FIX NAME
COORDINATES

IF IXASY: 351819.02N/0943610.04W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY
19
CHECKED

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Electronic Version

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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
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