

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

**RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES				MISSED APPROACH
FROM	TO	COURSE AND DISTANCE	ALTITUDE	
AWSOF (IF/IAF)	FAPVI (FB)	281.81 / 7.00	2600	LP: RW28 LNAV: RW28
FAPVI (FAF)	HIVIR/2.90 NM TO RW28 (FB)	281.71 / 2.20		CLIMB TO 1500 THEN CLIMBING LEFT TURN TO 3100 DIRECT AWSOF AND HOLD.
HIVIR/2.90 NM TO RW28	RW28 (MAP) (FO)	281.71 / 2.90		
RW28 (MAP)	1500 MSL	281.71	1500	ADDITIONAL FLIGHT DATA: CHART FAS OBST: 1035 TREE 421508N/0845637W CHART FAS OBST: 1065 TREE 421450N/0845647W WAAS CHANNEL # 45533 REFERENCE PATH ID: W28A FAPVI TO RW28: 3.00/40. LTP HAE: 251.8 M
1500 MSL	AWSOF (FO)		3100	

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD E AWSOF, RT, 281.81 INBOUND, 3100 FT. IN LIEU OF PT (IAF)
- FAC: 281.71 FAF: FAPVI DIST FAF TO MAP: 5.10 THLD: 5.10
- MIN. ALT: AWSOF 3100, FAPVI 2600, HIVIR/2.90 NM TO RW28 1900
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 100 HAT: GS ANT:
- MIN GS INCPT: GS ALT AT: OM: MM: IM:
- GS ANGLE: TCH: 34:1 IS NOT CLEAR
- MSA FROM:

MAG VAR: 5W EPOCH YEAR: 1995

MINIMUMS															
TAKEOFF:	SEE FAA FORM 8260-15A FOR THIS AIRPORT									ALTERNATE: N A		STANDARD @			
CATEGORY >>>>>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	1300	1	363	1300	1	363	1300	1	363						
LNAV MDA	1320	1	383	1320	1	383	1320	1 1/8	383						
CIRCLING	1440	1	499	1440	1	499	1440	1 1/2	499						

NOTES:
 CHART NOTE: DME/DME RNP-0.3 NA.
 CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
 CHART NOTE: VDP NA WITH BATTLE CREEK ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE BATTLE CREEK ALTIMETER SETTING AND (SEE FORM 8260-10)

@ NA WHEN LOCAL WEATHER NOT AVAILABLE.

CITY AND STATE MARSHALL, MI	ELEVATION: 941 THRE: 937 AIRPORT NAME: BROOKS FIELD	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 28, ORIG 2 MAY 2013	SUP: AMDT: NONE DATED
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RNAV - STANDARD
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NOTES, (CONT.):
 INCREASE ALL MDA 40 FEET; INCREASE LP AND LNAV CAT C VISIBILITY 1/8 MILE.
 CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED
 CHART NOTE: PROCEDURE NA AT NIGHT.

TAA	FROM	TO	ALT
1.	192/30 CW 012/30 (NOPT)	AWSOF (IF/IAF) (FB)	3100
2.	012/30 CW 192/30	AWSOF (IF/IAF) (FO)	3100



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**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KRMY
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	421502.3015N
LTP/FTP LONGITUDE	0845656.4790W
LTP/FTP ELLIPSOIDAL HEIGHT	+02518
FPAP LATITUDE	421512.5760N
FPAP LONGITUDE	0845855.6550W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1680
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER 0AB97EB9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02855
FPAP ORTHOMETRIC HEIGHT	+02855



CITY AND STATE

MARSHALL, MI

ELEVATION: 941

THRE: 937

AIRPORT NAME:

BROOKS FIELD

FACILITY IDENTIFIER:

RNAV

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RNAV (GPS) RWY 28, ORIG

2 MAY 2013

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DATED:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.33

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ARINC PACKET - 424-18 - RNAV (GPS)

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAEENRT	AWSOF	K50	W	N42133731W084404582				W0061	NAR	AWSOF			
SUSAEENRT	FAPVI	K50	W	N42142677W084500746				W0060	NAR	FAPVI			
SUSAEENRT	HIVIR	K50	W	N42144214W084530378				W0059	NAR	HIVIR			

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KRMK5ARMY	0	035YHN42150430W084571960W005000941					1800018000C	MNAR	BROOKS FIELD			

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KRMK5FR28	A	AWSOF	010AWSOFK5EA0EE AR HF				28180040	+ 03100	18000		A JS	
SUSAP	KRMK5FR28	R		010AWSOFK5EA0E I IF					+ 03100	18000		A JS	
SUSAP	KRMK5FR28	R		020FAPVIK5EA1E F 051TF				28180070	+ 02600			A JS	
SUSAP	KRMK5FR28	R		020FAPVIK5EA2WALP		N	ALNAV					JS	
SUSAP	KRMK5FR28	R		021HIVIRK5EA0E S 031TF				28170022	V 0190001900		-300	A JS	
SUSAP	KRMK5FR28	R		030RW28 K5PG0GY M 031TF				28170029	00977		-300	A JS	
SUSAP	KRMK5FR28	R		040	0	M	CA	2817	+ 01500			A JS	
SUSAP	KRMK5FR28	R		050AWSOFK5EA0EY L DF					+ 03100			A JS	
SUSAP	KRMK5FR28	R		060AWSOFK5EA0EE R HM				28180040	+ 03100			A JS	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KRMK5GRW28	0035012816	N42150230W084565648+0100					+0251800937000040075R					

	1	2	3	4	5	6	7	8	9	0	1	2	3
PP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KRMK5PR28	RW28	001 0000W28A0N4215023015W08456564790+025180300N4215125760W08458556550106751680000400F40000000AB97EB9										
SUSAP	KRMK5PR28	RW28	002E +02855+02855LP 45533										



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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AWSOF	AWSOF	010	IAF	HF	R	FO		281.8 (276.8T)	004.0	AA 03100	
		AWSOF	010	FACF	IF		FB				AA 03100	
		FAPVI	020	FAF	TF		FB	0.5	281.8 (276.8T)	007.0	AA 02600	
		HIVIR	021	SDF	TF		FB	0.3	281.7 (276.7T)	002.2	AA 01900	GS 01900
		RW28	030	MAP	TF		FO	0.3	281.7 (276.7T)	002.9	AT 00977	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		281.7 (276.7T)		AA 01500	
	AWSOF	050		DF	L	FO				AA 03100	
	AWSOF	060		HM	R	FO		281.8 (276.8T)	004.0	AA 03100	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AWSOF	N421337.31	W0844045.82	N4213.622	W08440.764
	FAPVI	N421426.77	W0845007.46	N4214.446	W08450.124
	HIVIR	N421442.14	W0845303.78	N4214.702	W08453.063
	RW28	N421502.30	W0845656.48	N4215.038	W08456.941

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW28	00937	40

QUALITY
2
CHECKED

CITY AND STATE MARSHALL, MI	ELEVATION: 941	THRE: 937	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
	AIRPORT NAME: BROOKS FIELD		RNAV	RNAV (GPS) RWY 28, ORIG	AMDT: NONE
				2 MAY 2013	DATED: