

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									
YEVUD (IF/IAF)	ZABVU (FB)	090.40 / 6.01	2500	LP: RW09 LNAV: RW09 CLIMBING LEFT TURN 3000 DIRECT CUTTY AND HOLD.								
ZABVU (FAF)	RW09 (MAP) (FO)	090.49 / 5.12										
RW09 (MAP)	1241 MSL	090.49										
1241 MSL	CUTTY (FO)		3000	ADDITIONAL FLIGHT DATA: HOLD N, RT, 183.16 INBOUND. FAS OBST: 1100 AAO 424604N/0844638W WAAS CHANNEL # 58334 REFERENCE PATH ID: W09A CHART LANSING ASOS CHART CIRCLING ICON LTP HAE: 219.5 M								
1. PT <u> </u> SIDE OF COURSE <u> </u> OUTBOUND <u> </u> FT WITHIN <u> </u> MILES OF <u> </u> (IAF)				MAG VAR: 5W EPOCH YEAR: 1995								
2. HOLD W YEVUD, RT, 090.40 INBOUND, 3000 FT. IN LIEU OF PT (IAF)												
3. FAC: <u>090.49</u> FAF: <u>ZABVU</u> DIST FAF TO MAP: <u>5.12</u> THLD: <u>5.12</u>												
4. MIN. ALT: YEVUD 3000, ZABVU 2500												
5. DIST TO THLD FROM OM: <u> </u> MM: <u> </u> IM: <u> </u> 150 HAT: <u> </u> 100 HAT: <u> </u> GS ANT: <u> </u>												
6. MIN GS INCPT: <u> </u> GS ALT AT: <u> </u> OM: <u> </u> MM: <u> </u> IM: <u> </u>												
7. GS ANGLE: <u> </u> TCH: <u>34:1</u> IS NOT CLEAR												
8. MSA FROM: <u> </u>												
MINIMUMS												
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT				ALTERNATE: N A X								
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
LP MDA	1380	1	549	1380	1	549		NA			NA	
LNAV MDA	1400	1	569	1400	1	569		NA			NA	
CIRCLING	1400	1	559	1420	1	579		NA			NA	
NOTES: CHART NOTE: USE LANSING ALTIMETER SETTING. CHART NOTE: DME/DME RNP-0.3 NA. CHART PROFILE NOTE: DESCENT ANGLE NA. CHART NOTE: CIRCLING TO RWY 18, 27, AND 36 NA AT NIGHT.												
CITY AND STATE		ELEVATION: 841		THRE: 831		FACILITY IDENTIFIER:		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:		SUP:		
GRAND LEDGE, MI		AIRPORT NAME:		ABRAMS MUNI		RNAV		RNAV (GPS) RWY 9, ORIG		AMDT: NONE		
								19 SEPTEMBER 2013		DATED		

QUALITY
CHECKED

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RNAV - STANDARD
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TAA

	FROM	TO	ALT
1.	360/30 CW 180/30 (NOPT)	YEVUD (IF/IAF) (FB)	3000
2.	180/30 CW 360/30	YEVUD (IF/IAF) (FO)	3000

QUALITY
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CITY AND STATE
GRAND LEDGE, MI

ELEVATION: 841 THRE: 831
AIRPORT NAME:
ABRAMS MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 9, ORIG
19 SEPTEMBER 2013

SUP:
AMDT: NONE
DATED:

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

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FAS DATA BLOCK INFORMATIONDATA FIELDDATA

OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	4D0
RUNWAY	RW09
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W09A
LTP/FTP LATITUDE	424631.0245N
LTP/FTP LONGITUDE	0844409.4630W
LTP/FTP ELLIPSOIDAL HEIGHT	+02195
FPAP LATITUDE	424637.8900N
FPAP LONGITUDE	0844208.8400W
THRESHOLD CROSSING HEIGHT (TCH)	00000.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	00.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1776
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER

88568445

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02531
FPAP ORTHOMETRIC HEIGHT	+02531

QUALITY
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CITY AND STATE GRAND LEDGE, MI	ELEVATION: 841 AIRPORT NAME: ABRAMS MUNI	THRE: 831	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 9, ORIG 19 SEPTEMBER 2013	SUP: AMDT: NONE DATED:
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[illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 4D0 K5FR09	AYEVUD	010YEVUDK5EA0EE	AR	HF		09040040	+	03000	18000			A	JS
SUSAP 4D0 K5FR09	R	010YEVUDK5EA0E	I	IF			+	03000	18000			A	JS
SUSAP 4D0 K5FR09	R	020ZABVUK5EA1E	F	051TF		09040060	+	02500				A	JS
SUSAP 4D0 K5FR09	R	020ZABVUK5EA2WALP			N	ALNAV							JS
SUSAP 4D0 K5FR09	R	030RW09 K5PG0GY	M	031TF		09050051		01400		000		A	JS
SUSAP 4D0 K5FR09	R	040	0	M	CA	0905	+	01241				A	JS
SUSAP 4D0 K5FR09	R	050CUTTYK5EA0EY	L	DF			+	03000				A	JS
SUSAP 4D0 K5FR09	R	060CUTTYK5EA0EE	R	HM		18320040	+	03000				A	JS

[illegible][illegible]

4
CHECKED

SUP:	
AMDT:	NONE
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 SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	YEVD	YEVD	010	IAF	HF	R	FO		090.4(085.4T)	004.0	AA 03000	
		YEVD	010	FACF	IF		FB				AA 03000	
		ZABVJ	020	FAF	TF		FB	0.5	090.4(085.4T)	006.0	AA 02500	
		RW09	030	MAP	TF		FO	0.3	090.5(085.5T)	005.1	AT 01400	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		090.5(085.5T)		AA 01241	
	CUTTY	050		DF	L	FO				AA 03000	
	CUTTY	060		HM	R	FO		183.2(178.2T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	CUTTY	N430515.50	W0844249.52	N4305.258	W08442.825
	YEVD	N424538.43	W0845913.29	N4245.641	W08459.222
	ZABVJ	N424607.09	W0845105.03	N4246.118	W08451.084
	RW09	N424631.02	W0844409.46	N4246.517	W08444.158

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW09	00831	00

QUALITY
4
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CITY AND STATE
GRAND LEDGE, MI

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 AIRPORT NAME:
 ABRAMS MUNI

FACILITY
IDENTIFIER:
 RNAV

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