

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> KMNM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> MENOMINEE	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 625	<u>TDZE</u> 608	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 07/19/2018	<u>MAG VAR</u> 3W	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 AUGUST 2021	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 233/30 CW 053/30	NOPT	MUNMU	IF/IAF	2400
2. 053/30 CW 233/30		MUNMU	IF/IAF	2400

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
MUNMU	IF/IAF	ERAYE		TF	FB	1.00	322.99	6.96	2200
ERAYE	FAF	RW32	MAP	TF	FO	0.30	322.91	4.89	
RW32	MAP	1025 MSL		CA			322.91		
1025 MSL		ZELNA		DF	FO	1.00			4000

MISSED APPROACH

MAP:

LP: RW32
 LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT ZELNA AND HOLD, CONTINUE CLIMB-IN-HOLD TO 4000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. HOLD SE MUNMU, RT, 322.99 INBOUND, 2400 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 322.91FAF: ERAYEDIST FAF TO MAP: 4.89DIST FAF TO THLD: 4.89

4. MIN ALT: MUNMU 2400, ERAYE 2200

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

6. MIN GP INCPT:GP ALT AT FAF :OM:MM:IM:

7. GP ANGLE:34:1: IS NOT CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.
CHART NOTE: STRAIGHT-IN RWY 32 NA AT NIGHT, CIRCLING RWY 14, 32 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

HOLD SE, RT, 293.22 INBOUND.
CHART FAS OBST: 897 TOWER 450602N/0873730W, 828 TRANSMISSION_LINE 450551N/0873601W.
WAAS CHANNEL # 56333
REFERENCE PATH ID: W32A
CHART CIRCLING ICON.
CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.
LTP HAE: 147.5 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/2, NA WHEN LOCAL WEATHER NOT AVAILABLE.

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
LP MDA	1140	1	532	1140	1	532	1140	1 1/2	532	1140	1 1/2	532			
LNAV MDA	1160	1	552	1160	1	552	1160	1 5/8	552	1160	1 5/8	552			
CIRCLING	1200	1	575	1200	1	575	1200	1 5/8	575	1380	2 1/2	755			



CHANGES - REASONS

1. CHANGED CRC REMAINDER FROM 268C20B5 TO BE451954. - LTP/FTP LAT/LONG CHANGED FROM 450701.6230N/0873756.2100W TO 450701.6225N/0873756.2090W, AND FPAP LAT/LONG CHANGED FROM 450809.72N/087391.35W TO 450809.7120N/0873917.3645W.
2. CHANGED FAS DATA BLOCK LTP/FTP LAT/LONG FROM 450701.6230N/0873756.2100W TO 450701.6225N/0873756.2090W, AND FPAP LAT/LONG FROM 450809.72N/087391.35W TO 450809.7120N/0873917.3645W. - UPDATED AIRNAV DATA.
3. REPLACED LP FAS OBST 799 TREE 450421N/0873445W WITH LP FAS OBST 828 TRANSMISSION LINE 450551N/0873601W IN ADDITIONAL FLIGHT DATA. - NEW LP FAS CONTROLLING OBSTACLE.
4. AMENDED LP MDA/HAT ALL CATS FROM 1060/452 TO 1140/532. - NEW CONTROLLING OBSTACLE.
5. AMENDED LP CAT C/D VISIBILITY FROM 1 3/8 SM TO 1 1/2 SM. - UPDATED VISCHECK CALCULATION.
6. REMOVED BACKUP ALTIMETER NOTE. - NOTE MOVED TO -9 FOR CONTINGENCY PURPOSES.

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZOB ARTCC, AMGR, GREEN BAY APP CON

FLIGHT CHECKED BY

SHAWN D MAXWELL

*Digitally signed by***DONALD H LANIER**

May 04, 2021

OFFICE

FICO

DATE

4/29/2021

DEVELOPED BY

DONALD H. LANIER (TIA FERONTI)

*Digitally signed by***DONALD H LANIER****OFFICE**

AJV-A431

DATE

12/08/2020

APPROVED BY

LONNIE EVERHART

May 04, 2021

*Digitally signed by***DONALD H LANIER**

May 04, 2021

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	KMNM
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	450701.6225N
LTP/FTP LONGITUDE	0873756.2090W
LTP/FTP ELLIPSOIDAL HEIGHT	+01475
FPAP LATITUDE	450809.7120N
FPAP LONGITUDE	0873917.3645W
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	1192
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0
CRC REMAINDER	BE451954

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01844
FPAP ORTHOMETRIC HEIGHT	+01844

