

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</u> MENOMINEE RGNL	<u>AIRPORT ID</u> KMMN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 3	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> MENOMINEE	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 625	<u>TDZE</u> 624	<u>SUPERSEDED</u> RNAV (GPS) RWY 3	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 08/27/2009	<u>MAG VAR</u> 3W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 JULY 2018	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL SUSPEND</u>	<u>EPOCH YEAR</u> 1990

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 304/30 CW 124/30	NOPT	304/8 CW 124/8		2900
2. 304/8 CW 124/8		OMUPE	IF/IAF	2200
3. 124/30 CW 214/30		SEGOE	IAF	2900
4. 214/30 CW 304/30		KAPCE	IAF	2400

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
SEGOE	IAF	OMUPE	NOPT	TF	FB	1.00	123.73	5.00	2200
KAPCE	IAF	OMUPE	NOPT	TF	FB	1.00	303.87	5.00	2200
OMUPE	IF/IAF	LEYID		TF	FB	1.00	033.80	6.02	2200
LEYID	FAF	TACUC/2.20 NM TO RW03		TF	FB	0.30	033.85	2.56	
TACUC/2.20 NM TO RW03		RW03	MAP	TF	FO	0.30	033.85	2.20	
RW03	MAP	824 MSL		CA			033.85		
824 MSL		UCINI		DF	FO	1.00			2300



MISSED APPROACH

MAP:
LPV: DA
LNAV/VNAV: DA
LNAV: RW03

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2300 DIRECT UCINI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)
2. HOLD SW OMUPE, RT, 033.80 INBOUND, 2200 FT. IN LIEU OF PT (IAF), MAX 6000.
3. FAC: 033.85

FAF: LEYID

DIST FAF TO MAP: 4.76

DIST FAF TO THLD: 4.76
4. MIN ALT: OMUPE 2200, LEYID 2200, TACUC/2.20 NM TO RW03 1360*
5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

200 HAT: 0.50
6. MIN GP INCPT: 2200

GP ALT AT FAF : LEYID 2200

OM:

MM:

IM:
7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 49.4
8. MSA FROM:

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH

NOTES:

CHART NOTE: CIRCLING RWY 14, 32 NA AT NIGHT.
CHART NOTE: BARO-VNAV AND VDP NA WHEN USING STURGEON BAY ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C OR ABOVE 54C.
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STURGEON BAY ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE CIRCLING CAT C/D VISIBILITY 1/4 SM.
CHART NOTE: FOR INOPERATIVE MALSR WHEN USING STURGEON BAY ALTIMETER SETTING INCREASE LNAV MDA VISIBILITY CAT C/D TO 1 3/8.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV AND LNAV/VNAV ALL CATS AND LNAV MDA CATS A/B.

ADDITIONAL FLIGHT DATA:

CHART LARSON (PVT) AIRPORT SUBDUED.
CHART CIRCLING ICON.
CHART VDP AT 1.05 NM TO RW03*
*LNAV ONLY
WAAS CHANNEL #73014
REFERENCE PATH ID: W03A
FAS OBST: 734 TREE 450714N/0873927W.
CHART 778 TANK 450508N/0873952W.
HOLD NE, RT, 213.98 INBOUND
LTP HAE: 150.4 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.



<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	824	1	200	824	1	200	824	1	200	824	1	200			
LNAV/VNAV DA	1150	1 1/2	526	1150	1 1/2	526	1150	1 1/2	526	1150	1 1/2	526			
LNAV MDA	1000	1	376	1000	1	376	1000	1	376	1000	1	376			
CIRCLING	1200	1	575	1200	1	575	1200	1 1/2	575	1380	2 1/2	755			

CHANGES - REASONS

1. CHANGED AIRPORT NAME FROM MENOMINEE-MARINETTE TWIN COUNTY TO MENOMINEE AREA RGNL - PER AIRNAV DATA
2. RAISED CIRCLING CAT D MDA/HAA/VISIBILITY FROM 1200/575/2 TO 1380/755/2 1/2 - APPLICATION OF EXPANDED CIRCLING CRITERIA
3. ADDED CHART NOTE: CIRCLING RWY 14, 32 NA AT NIGHT -UNLIT 20:1 PENETRATIONS TO RWY 14 AND RWY 324
4. UPDATED INTERMEDIATE SEGMENT FROM 913 TOWER TO 833 AAO AND AND LNAV FINAL SEGMENT CONTROLLING OBSTACLE FROM 1092 TOWER TO 978 TANK ON 8260-9 - NEW SURVEY DATA
6. RAISED LNAV CAT C VISIBILITY FROM 1/2 TO 1 - TABLE 3-3-1
7. UPDATED SECONDARY ALTIMETER CHART NOTE TO CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STURGEON BAY ALTIMETER SETTING AND INCREASE ALL DA/MDA 60 FEET, INCREASE CIRCLING CAT C/D VISIBILITY 1/4 MILE - VISCHECK CALCULATOR
8. UPDATED INOP LIGHT NOTE TO CHART NOTE: FOR INOPERATIVE MALSR WHEN USING STURGEON BAY ALTIMETER SETTING INCREASE LNAV MDA VISIBILITY CAT C/D TO 1 3/8 -VISCHECK CALCULATOR
9. CHANGED VDP FROM 1.06NM TO RWY03* TO 1.05 TO RWY03* - 8260-3C
10. CRC REMAINDER CHANGED FROM 2BD52AE6 TO A7E9D8C6 - FPAP LOCATION CHANGED FROM 450814.4100W/0873756.9500W TO 450840.0400N/0873735.2700W, COURSE WIDTH AT THRESHOLD CHANGED FROM 106.50 TO 106.75, AND LENGTH OFFSET CHANGED FROM 0000 TO 0920.



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<u>COORDINATED WITH:</u>					
A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZMP, GREEN BAY APP CON, AMGR					
<u>FLIGHT CHECKED BY</u> PAUL R ARMSTRONG	Digitally signed by DEZ SILAGYI May 10, 2018		<u>OFFICE</u> FICO	<u>DATE</u> 05/07/2018	
<u>DEVELOPED BY</u> LONNIE EVERHART (KELLIE BARNES)	Digitally signed by DEZ SILAGYI May 10, 2018		<u>OFFICE</u> AJV-5400	<u>DATE</u> 09/18/2017	
<u>APPROVED BY</u> LONNIE EVERHART	Digitally signed by DEZ SILAGYI May 10, 2018		<u>OFFICE</u> AJV-5400	<u>DATE</u>	<u>TITLE</u> MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMNM
RUNWAY	RW03
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W03A
LTP/FTP LATITUDE	450723.5920N
LTP/FTP LONGITUDE	0873839.9015W
LTP/FTP ELLIPSOIDAL HEIGHT	+01504
FPAP LATITUDE	450840.0400N
FPAP LONGITUDE	0873735.2700W
THRESHOLD CROSSING HEIGHT (TCH)	00049.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	A7E9D8C6
<u>ADDITIONAL PATH POINT RECORD INFORMATION</u>	
ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01873
FPAP ORTHOMETRIC HEIGHT	+01873

