

**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 21	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> MENOMINEE	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 625	<u>TDZE</u> 625	<u>SUPERSEDED</u> RNAV (GPS) RWY 21	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 08/18/2016	<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. 124/30 CW 304/30	NOPT	124/10 CW 304/10		2600
2. 124/10 CW 304/10		UCINI	IF/IAF	2300
3. 304/30 CW 034/30		NOGCI	IAF	2400
4. 034/30 CW 124/30		HUKRU	IAF	2900

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>
HUKRU	IAF	UCINI	NOPT	TF	FB	1.00	123.91	5.00	2300
NOGCI	IAF	UCINI	NOPT	TF	FB	1.00	304.05	5.00	2300
UCINI	IF/IAF	TOYOD		TF	FB	1.00	213.98	6.02	2200
TOYOD	FAF	WUDOP/2.50 NM TO RW21		TF	FB	0.30	213.93	2.26	
WUDOP/2.50 NM TO RW21		RW21	MAP	TF	FO	0.30	213.93	2.50	
RW21	MAP	1020 MSL		CA			213.93		
1020 MSL		OMUPE		DF	FO	1.00			2200

MISSED APPROACH

MAP:

LNAV: RW21

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2200 DIRECT OMUPE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- 1. **PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
- 2. HOLD NE UCINI, RT, 213.98 INBOUND, 2300 FT. IN LIEU OF PT (IAF), MAX 6000.
- 3. **FAC:** 213.93 **FAF:** TOYOD **DIST FAF TO MAP:** 4.76 **DIST FAF TO THLD:** 4.76
- 4. **MIN ALT:** UCINI 2300, TOYOD 2200, WUDOP/2.50 NM TO RW21 1460
- 5. **DIST TO THLD FROM OM:** **MM:** **IM:** **150 HAT:** **HAT:**
- 6. **MIN GP INCPT:** **GP ALT AT FAF :** **OM:** **MM:** **IM:**
- 7. **GP ANGLE:** **34:1:** IS NOT CLEAR **20:1:** IS CLEAR **TCH:**
- 8. **MSA FROM:**

PBN EQUIPMENT REQUIREMENTS NOTES

RNP APCH

NOTES:

CHART NOTE: CIRCLING RWY 14, 32 NA AT NIGHT.
 CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART NOTE: VDP NA WHEN USING STURGEON BAY ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STURGEON BAY ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LNAV CAT C/D AND CIRCLING CAT C/D VISIBILITY 1/4 SM.

ADDITIONAL FLIGHT DATA:

CHART LARSON (PVT) AIRPORT SUBDUED.
 CHART CIRCLING ICON.
 TOYOD TO RW21: 3.04/42.
 CHART VDP AT 1.12 NM TO RW21

CHART FAS OBST: 759 TREE 450843N/0873813W.
 HOLD SW, RT, 033.80 INBOUND

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>
LNAV MDA	1020	1	395	1020	1	395	1020	1 1/8	395	1020	1 1/8	395			
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 RGNL -PER AIRNAV DATA
2. CHANGED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STURGEON BAY ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LNAV CAT C/D AND CIRCLING CAT C VISIBILITY 1/4 MILE TO CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE STURGEON BAY ALTIMETER SETTING AND INCREASE ALL MDA 60 FEET, INCREASE LNAV CAT C/D AND CIRCLING CAT C/D VISIBILITY 1/4 MILE - CAT D VIS INCREASED DUE TO HIGHER HAA
3. ADDED CHART CIRCLING ICON TO ADDITIONAL FLIGHT DATA - APPLICATION OF CURRENT CRITERIA
4. CHANGED CIRCLING CAT D CONTROLLING OBSTACLE AND CHANGED MDA TO 1380 AND VIS TO 2 1/2 SM - PREVIOUSLY FLIGHT CHECKED OBSTACLE HEIGHT CHANGED FROM 1092 MSL TO 1080 MSL, ACCURACY CODE CHANGED FROM 5D TO 1A
5. CHANGED LNAV CAT C VIS FROM 1SM TO 1 1/8SM AND LNAV CAT D VIS FROM 1 1/4 SM TO 1 1/8 SM - CRITERIA CHANGE TO THE 8260.3 TABLE 3-3-1
6. ADDED CHART NOTE: RWY 21 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 34:1 PENETRATIONS
7. ADDED CHART NOTE: CIRCLING TO RWY 14/32 NA AT NIGHT - UNLIT 20:1 PENETRATIONS TO BOTH RUNWAYS
8. ADDED 34:1 IS NOT CLEAR TO LINE 7 - 34:1 PENETRATIONS

PDF EDIT: REMOVED SIAP GENERATED * AND *LNAV ONLY FROM ADDITIONAL FLIGHT DATA



COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: ZMP, GREEN BAY APP CON, AMGR

FLIGHT CHECKED BY

FLIGHT INSPECTION REVIEW NOT REQUIRED-PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017

OFFICE

DATE

Digitally signed by

ROBERT G HAMILTON

Apr 06, 2018

DEVELOPED BY

LONNIE EVERHART (KELLIE BARNES)

Digitally signed by

ROBERT G HAMILTON

Apr 06, 2018

OFFICE

AJV-5400

DATE

09/06/2017

APPROVED BY

LONNIE EVERHART

Digitally signed by

ROBERT G HAMILTON

Apr 06, 2018

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AJV-5400

DATE

TITLE

MANAGER

