

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
ILS STANDARD INSTRUMENT APPROACH PROCEDURE  
TITLE 14 CFR PART 97.29**

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.

<b>AIRPORT ID</b> MNM	<b>PROCEDURE NAME</b> ILS OR LOC RWY 3	<b>ORIGINAL/AMENDMENT</b> 4A	<b>CITY</b> MENOMINEE	<b>STATE</b> MI
<b>AIRPORT ELEVATION</b> 625	<b>TDZE</b> 624	<b>SUPERSEDED</b> ILS OR LOC RWY 3	<b>DATED</b> 05/16/2024	<b>MAG VAR</b> 3W
<b>FACILITY</b> I-TNQ	<b>COORDINATES OF FACILITIES</b>	<b>ACTUAL EFFECTIVE DATE</b> 2 OCTOBER 2025	<b>REQUIRED EFFECTIVE DATE</b> ROUTINE	<b>EPOCH YEAR</b> 1990
			<b>CANCEL/SUSPEND</b>	

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GRB VORTAC	IAF	ILHUP/15.98 DME	NOPT				035.55	26.63	2300
ILHUP/15.98 DME	IF/IAF	FABOM/5.98 DME					033.89 (I-TNQ)	10.00	2200

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: I-TNQ 1.16 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 2600 ON HEADING 180 AND GRB R-036 TO ILHUP/I-TNQ 15.98 DME AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- |   |  |                 |                         |                          |            |
|---|--|-----------------|-------------------------|--------------------------|------------|
| 1. PT   | <b>SIDE OF COURSE</b>                      | <b>OUTBOUND</b> | <b>FT WITHIN</b>        | <b>MILES OF</b>          | (IAF)      |
| 2. HOLD SW ILHUP, RT, 033.89 INBOUND, 2300 IN LIEU OF PT (IAF), MAX 5100. |  |                 |                         |                          |            |
| 3. <b>FAC:</b> 033.89   | <b>FAF:</b> FABOM/5.98 DME                 |                 | <b>DIST FAF TO MAP:</b> | <b>DIST FAF TO THLD:</b> | 4.82       |
| 4. <b>MIN ALT:</b> ILHUP/15.98 DME 2300, FABOM/5.98 DME 2200              |  |                 |                         |                          |            |
| 5. <b>DIST TO THLD FROM OM:</b>   | <b>MM:</b>                                 | <b>IM:</b>      | <b>150 HAT:</b>         | <b>GS ANT:</b> 899       |            |
| 6. <b>MIN GS INCPT:</b> 2200  | <b>GS ALT AT PFAF:</b> FABOM/5.98 DME 2200 |                 |                         | <b>OM:</b>               | <b>MM:</b> |
| 7. <b>GS ANGLE:</b> 3.00  | <b>34:1:</b>                               | <b>20:1:</b>    | <b>TCH:</b> 49.5        |                          | <b>IM:</b> |
| 8. <b>MSA FROM:</b> KMNM 2400   |  |                 |                         |                          |            |



**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED.

**NOTES:**

CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1830.  
CHART NOTE: CIRCLING RWY 14, 32 NA AT NIGHT.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GRB VORTAC AIRWAY RADIALS 007 CW 085.  
CHART NOTE: RWY 3 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.  
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 3 ALL CATS AND S-LOC 3 CATS A AND B.  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 3 CATS C AND D VISIBILITY TO 1 3/8 SM.

**ADDITIONAL FLIGHT DATA:**

CHART 5W14 (PVT) IN PLAN AND PROFILE VIEWS.  
CHART VDP AT 2.46 DME.  
DISTANCE VDP TO THLD 1.30NM.  
FAS OBST: 820 AAO 450407N/0874106W.

**MINIMUMS:**

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

**ALTERNATE:** NA

<b>CATEGORY:</b>	<b>A</b>			<b>B</b>			<b>C</b>			<b>D</b>			<b>E</b>		
<b>FINAL TYPE</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>	<b>DA/MDA</b>	<b>VIS</b>	<b>HAT/HAA</b>
S-ILS 03	900	1	276	900	1	276	900	1	276	900	1	276			
S-LOC 03	1080	1	456	1080	1	456	1080	1	456	1080	1	456			
CIRCLING	1200	1	575	1200	1	575	1200	1 1/2	575	1380	2 1/2	755			

**CHANGES - REASONS**

IN NOTES, CHANGED NOTE "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 03, S-LOC 03 CATS A AND B. INCREASE S-LOC CATS C AND D VISIBILITY TO 1 3/8 SM." INTO "CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO S-ILS 3 ALL CATS AND S-LOC 3 CATS A AND B." AND "CHART NOTE: FOR INOPERATIVE ALS, INCREASE S-LOC 3 CATS C AND D VISIBILITY TO 1 3/8 SM." - FOR CLARITY, IAW 8260.19 PARA 8-6-12(3) & CLEARING NOTAM FDC 4/5196.  
IN TERMINAL ROUTES, CHANGED GRB VORTAC FIX TYPE TO "NO PT" - IAW 8260.3G PARAGRAPH 2-3-1 A(3). ROUTE FROM GRB VORTAC TO ILHUP MUST BE DESIGNATED AS AN INITIAL SEGMENT BASED ON STRAIGHT COURSE CRITERIA.  
IN ADDITIONAL FLIGHT DATA, REMOVED " CHART CIRCLING ICON" - IAW MEMO DATED 5/15/2025 - REMOVAL OF CIRCLING ICONS.



**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**

**OTHER:** ZMP, GRB APCH CON AMGR

**FLIGHT CHECKED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

*Digitally signed by*  
**ALLAN WILL**  
May 29, 2025

**OFFICE**

**DATE**

**DEVELOPED BY**

ALLAN WILL (TEVAR MALONE)

*Digitally signed by*  
**ALLAN WILL**  
May 29, 2025

**OFFICE**  
AJV-A33

**DATE**  
05/05/2025

**APPROVED BY**

KYLE THOMPSON

*Digitally signed by*  
**ALLAN WILL**  
May 29, 2025

**OFFICE**  
AJV-A33

**DATE**

**TITLE**  
MANAGER

