

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
VOR STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.23**

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> CFS	<u>PROCEDURE NAME</u> VOR-A	<u>ORIGINAL/AMENDMENT</u> 7A	<u>CITY</u> CARO	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 704	<u>TDZE</u>	<u>SUPERSEDED</u> VOR-A	<u>DATED</u> 05/24/2018	<u>MAG VAR</u> 3W
<u>FACILITY</u> MBS	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 17 APRIL 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>EPOCH YEAR</u> 1965
			<u>CANCEL/SUSPEND</u>	

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>
MBS VOR/DME	IAF	OBEGE/MBS 15.00 DME					102.00	15.00	3000
OBEGE/MBS 15.00 DME	IF	DACUG/MBS 23.00 DME					102.00 (MBS R-102)	8.00	2300

MISSED APPROACH

MAP:

MADBE/MBS 27.63 DME

MISSED APPROACH INSTRUCTIONS:

CLIMBING RIGHT TURN TO 3000 ON HEADING 220 AND ON MBS VOR/DME R-108 TO REESE INT/15.22 DME AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT** **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF** (IAF)
- PROFILE STARTS AT MBS VOR/DME
- FAF:** 102.00 **FAF:** DACUG/MBS 23.00 DME **DIST FAF TO MAP:** **DIST FAF TO THLD:**
- MIN ALT:** MBS VOR/DME 3000, OBEGE/MBS 15.00 DME 3000, DACUG/MBS 23.00 DME 2300
- MSA FROM:** MBS VOR/DME 3100

EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.

NOTES:

CHART NOTE: CIRCLING NA TO RWYS 13 AND 31.
CHART NOTE: PROCEDURE NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

FAC CROSSES MID POINT OF RWY 6-24.
HOLD E, RT, 288.08 INBOUND.
CHART 1237 WINDMILL (26-130532) 432724N/0833101W.
CHART CIRCLING ICON.



MINIMUMS:

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

ALTERNATE: NA CAT A, B 900-2, CAT C 900-2 3/4, 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
CIRCLING	1540	1 1/4	836	1540	1 1/4	836	1600	2 3/4	896		NA				

CHANGES - REASONS

1. ADDITIONAL FLIGHT DATA: AMENDED FAS OBST FROM "990 AAO 432650N/0833157W" TO "1237 WINDMILL (26-130532) 432724N/0833101W" - PER CRITERIA 8260.19J 8-6-11 (C).
2. PBN REQUIREMENT NOTE: REMOVED "HTTP://IFPA.FAA.GOV/SIAP/IMAGES/AVN_LOGO.GIF" - NO LONGER REQUIRED.
3. NOTES: REMOVED "CHART NOTE: DME REQUIRED" - MOVED TO PBN REQUIREMENT NOTE PER CRITERIA.
4. ADDITIONAL FLIGHT DATA: REMOVED "CHART PLANVIEW NOTE: DME REQUIRED" - NO LONGER REQUIRED.
5. MINIMUMS: UPDATED CIRCLING MINIMUMS FROM "CAT A/B MDA 1240/VIS 1 MI" TO "CAT A/B MDA 1540/VIS 1 1/4 MI" - NEW OBSTACLE SURVEY.
6. MINIMUMS: UPDATED CIRCLING MINIMUMS FROM "CAT C MDA 1240/VIS 1 1/2 MI" TO "CAT C MDA 1600/VIS 2 3/4" - NEW OBSTACLE SURVEY.
7. MINIMUMS: ALTERNATE MINS CHANGED FROM "STANDARD" TO " CAT A, B 900-2, CAT C 900-2 3/4, NA WHEN LOCAL WEATHER NOT AVAILABLE" - CIRCLING MDA ALL CATS RAISED DUE TO NEW CONTROLLING OBSTACLE.
8. MINIMUMS: UPDATED CIRCLING MINIMUMS FROM "CATS A-C HAT 536" TO "CAT A/B HAT 836 CAT C HAT 896" - NEW OBSTACLE SURVEY.

03/06/2025: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/03/2025.

1. ADDITIONAL FLIGHT DATA: CHANGED MISSED HOLDING FROM "HOLD E, RT, 288.08 INBOUND (DO NOT CHART)" TO "HOLD E, RT, 288.08 INBOUND".

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZOB, MBS APP CON, AMGR

FLIGHT CHECKED BY

GREGORY SCOTT WIEBE

Digitally signed by

DAVID DANNER

Mar 07, 2025

OFFICE

FIOG

DATE

03/02/2025

DEVELOPED BY

TRAVIS BRISTOW

Digitally signed by

TRAVIS D BRISTOW

Mar 07, 2025

OFFICE

AJV-A421

DATE

11/01/2024

APPROVED BY

DAVID DANNER

Digitally signed by

DAVID DANNER

Mar 07, 2025

OFFICE

AJV-A421

DATE

TITLE
MANAGER

