

**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> CFS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> 2B	<u>CITY</u> CARO	<u>STATE</u> MI		
<u>AIRPORT ELEVATION</u> 704	<u>TDZE</u> 701	<u>SUPERSEDED</u> RNAV (GPS) RWY 24	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 04/17/2025	<u>MAG VAR</u> 8W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 JUNE 2025	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<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		RAYOL		TF	FO	1.00	094.34	35.45	3000
WINTO		RAYOL		TF	FO	1.00	001.44	12.30	2400
RAYOL	IF/IAF	KAYET		TF	FB	1.00	238.57	5.00	2300
KAYET	FAF	LIYIG/2.60 NM TO RW24		TF	FB	0.30	238.51	2.30	
LIYIG/2.60 NM TO RW24		RW24	MAP	TF	FO	0.30	238.51	2.60	
RW24	MAP	1104 MSL		CA			238.51		
1104 MSL		BIRRS		DF	FO	1.00			3100

**MISSED APPROACH**

**MAP:**

LNAV: RW24

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 3100 DIRECT BIRRS AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**

**PROFILE:**

- |                          |  |                    |                  |          |                        |
|--------------------------|--|--------------------|------------------|----------|------------------------|
| 1. PT                    | SIDE OF COURSE   | OUTBOUND           | FT WITHIN        | MILES OF | (IAF)                  |
| 2.                       | HOLD NE RAYOL, RT, 238.57 INBOUND, 2300 FT. IN LIEU OF PT (IAF), MAX 6000. |                    |                  |          |                        |
| 3. FAC:                  | 238.51   | FAF: KAYET         | DIST FAF TO MAP: | 4.90     | DIST FAF TO THLD: 4.90 |
| 4. MIN ALT:              | RAYOL 2300, KAYET 2300, LIYIG/2.60 NM TO RW24 1560                         |                    |                  |          |                        |
| 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 CLEAR   | 20:1: IS NOT CLEAR | TCH:             |          |                        |
| 8. MSA FROM:             | RW24 3100  |                    |                  |          |                        |



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: CIRCLING NA TO RWYS 13 AND 31.  
CHART NOTE: RWY 24 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART NOTE: PROCEDURE NA AT NIGHT.

CHART PLAN VIEW NOTE: PROCEDURE NA FOR ARRIVAL ON MBS VOR/DME AIRWAY RADIAL 016.

ADDITIONAL FLIGHT DATA:

HOLD NW, RT, 137.00 INBOUND.  
FAS OBST: 888 TREE (26-047647) 432918N/0832504W.  
KAYET TO RW24: 3.00/40.  
CHART CIRCLING ICON.

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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
LNAV MDA	1140	1	439	1140	1	439	1140	1 1/4	439		NA				
CIRCLING	1200	1	496	1200	1	496	1600	2 3/4	896		NA				

CHANGES - REASONS

1. PBN REQUIREMENTS NOTE: REMOVED "DME/DME RNP-0.3 NA" AND ADDED "RNP APCH-GPS" - PER CRITERIA 8260.19J 8-6-8 (D) (5).

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZOB, MBS APP 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

OFFICE  
Digitally signed by  
DAVID DANNER

Apr 10, 2025

DATE

DEVELOPED BY

TRAVIS BRISTOW

Digitally signed by  
DAVID DANNER

Apr 10, 2025

OFFICE  
AJV-A421

DATE  
04/04/2025

APPROVED BY

DAVID DANNER

Digitally signed by  
DAVID DANNER

Apr 10, 2025

OFFICE  
AJV-A421

DATE

TITLE  
MANAGER

