

**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.

|                                          |                                         |                                                       |                                                  |                                   |                                  |
|------------------------------------------|-----------------------------------------|-------------------------------------------------------|--------------------------------------------------|-----------------------------------|----------------------------------|
| <b><u>AIRPORT</u></b><br>MACKINAC COUNTY | <b><u>AIRPORT ID</u></b><br>K83D        | <b><u>PROCEDURE NAME</u></b><br>RNAV (GPS) RWY 7      | <b><u>ORIGINAL/AMENDMENT</u></b><br>ORIG-B       | <b><u>CITY</u></b><br>ST IGNACE   | <b><u>STATE</u></b><br>MI        |
| <b><u>AIRPORT ELEVATION</u></b><br>624   | <b><u>TDZE</u></b><br>624               | <b><u>SUPERSEDED</u></b><br>RNAV (GPS) RWY 7          | <b><u>ORIGINAL/AMENDMENT</u></b><br>ORIG-A       | <b><u>DATED</u></b><br>08/08/2002 | <b><u>MAG VAR</u></b><br>6W      |
| <b><u>FACILITY</u></b><br>RNAV           | <b><u>COORDINATES OF FACILITIES</u></b> | <b><u>ACTUAL EFFECTIVE DATE</u></b><br>16 AUGUST 2018 | <b><u>REQUIRED EFFECTIVE DATE</u></b><br>ROUTINE | <b><u>CANCEL/SUSPEND</u></b>      | <b><u>EPOCH YEAR</u></b><br>1990 |

**TERMINAL ROUTES**

| <b><u>FROM</u></b>    | <b><u>FIX TYPE</u></b> | <b><u>TO</u></b>      | <b><u>FIX TYPE</u></b> | <b><u>LEG TYPE</u></b> | <b><u>FO/FB</u></b> | <b><u>RNP</u></b> | <b><u>COURSE</u></b> | <b><u>DISTANCE</u></b> | <b><u>ALTITUDE</u></b> |
|-----------------------|------------------------|-----------------------|------------------------|------------------------|---------------------|-------------------|----------------------|------------------------|------------------------|
| PLN VORTAC            |                        | ASISE                 |                        | TF                     | FB                  | 2.00              | 306.02               | 13.51                  | 3000                   |
| WUYFO                 |                        | JENGI                 |                        | TF                     | FB                  | 2.00              | 189.41               | 27.51                  | 3000                   |
| ASISE                 | IAF                    | RIBRE                 | NOPT                   | TF                     | FB                  | 1.00              | 343.65               | 5.00                   | 3000                   |
| JENGI                 | IAF                    | RIBRE                 | NOPT                   | TF                     | FB                  | 1.00              | 163.59               | 5.00                   | 3000                   |
| RIBRE                 | IF/IAF                 | AVEXE                 |                        | TF                     | FB                  | 1.00              | 073.61               | 5.95                   | 2300                   |
| AVEXE                 | FAF                    | ELELE/2.50 NM TO RW07 |                        | TF                     | FB                  | 0.30              | 073.71               | 2.55                   |                        |
| ELELE/2.50 NM TO RW07 |                        | RW07                  | MAP                    | TF                     | FO                  | 0.30              | 073.71               | 2.50                   |                        |
| RW07                  | MAP                    | 1024 MSL              |                        | CA                     |                     |                   | 073.71               |                        |                        |
| 1024 MSL              |                        | BAPKE                 |                        | DF                     | FO                  | 1.00              |                      |                        | 3000                   |

**MISSED APPROACH**

**MAP:**

LNAV: RW07

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 3000 DIRECT BAPKE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD W RIBRE, RT, 073.61 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 10000.

3. FAC: 073.71FAF: AVESEXDIST FAF TO MAP: 5.05DIST FAF TO THLD: 5.05

4. MIN ALT: RIBRE 3000, AVEXE 2300, ELELE/2.50 NM TO RW07 1460

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 CLEAR20:1: IS NOT CLEARTCH:

8. MSA FROM: RW07 3000

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PLN VORTAC AIRWAY RADIALS 219 CW 023.  
CHART NOTE: STRAIGHT-IN RWY 07 NA AT NIGHT, CIRCLING RWY 07 NA AT NIGHT  
CHART NOTE: RWY 07 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED.  
CHART NOTE: CIRCLING NA AT NIGHT S OF RWY 07-25.

ADDITIONAL FLIGHT DATA:

CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.  
CHART FAS OBST: 886 TOWER 455204N/0844709W.  
HOLD E, RT, 253.96 INBOUND

MINIMUMS:

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

ALTERNATE: NA

X

| 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   | 1200   | 1   | 576     | 1200   | 1   | 576     | 1200   | 1 5/8 | 576     |        | NA  |         |        |     |         |
| CIRCLING   | 1260   | 1   | 636     | 1260   | 1   | 636     | 1260   | 1 3/4 | 636     |        | NA  |         |        |     |         |

CHANGES - REASONS

1. ADDED CHART NOTE: STRAIGHT-IN RWY 07 NA AT NIGHT, CIRCLING RWY 07 NA AT NIGHT. - 20:1 PENETRATIONS
2. ADDED CHART NOTE: RWY 07 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. - 20:1 PENETRATIONS.
3. REMOVED VDA DATA. ADDED CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES - 20:1 PENETRATIONS.
4. UPDATED FAC FROM 73.61 TO 73.71 - CORRECTED FORM
5. ADDED 34:1 AND 20:1 NOT CLEAR - VISUAL SURFACES NOT CLEAR DOCUMENTED IAW 8260.19H CH 8.
6. RAISED LNAV CAT C VISIBILITY FROM 1 1/2 TO 1 5/8 - VIS CK CALCULATION.
7. ADDED RNP APCH TO PBN EQUIPMENT REQUIREMENTS - IAW 8260.19H
8. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PLN VORTAC AIRWAY RADIALS 219 CW 023 - TURN EXCEEDS 90 DEGREES.
9. DELETED NOTE: GPS OR RNP-0.3 REQUIRED - NOTE NO LONGER REQUIRED.
10. DELETED NOTE: DME/DME RNP-0.3 NA - NOTE NO LONGER REQUIRED.



COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: AMGR, ZMP ARTCC, ATA

FLIGHT CHECKED BY

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS  
GROUP (AJW-33) MEMO, DEC 22, 2017.

DEVELOPED BY

HEIDI SNIDER  
HEIDI SNIDER  
Jun 19, 2018

APPROVED BY

JULIE MORGAN

OFFICE

OFFICE

AJV-5423

OFFICE

AJV-5420

DATE

DATE

05/14/2018

DATE

Digitally signed by  
ROBERT G HAMILTON  
Jun 25, 2018

Digitally signed by  
ROBERT G HAMILTON  
Jun 25, 2018

TITLE  
MANAGER

