

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> MACKINAC COUNTY	<u>AIRPORT ID</u> K83D	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> ST. IGNACE	<u>STATE</u> MI	
<u>AIRPORT ELEVATION</u> 624	<u>TDZE</u> 623	<u>SUPERSEDED</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 08/08/2002	<u>MAG VAR</u> 6W	<u>EPOCH YEAR</u> 1990
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 11 OCTOBER 2018	<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>
PLN VORTAC		JASET		TF	FB	1.00	037.20	17.88	3000
WUYFO		DIGVE		TF	FB	1.00	140.36	26.95	3000
DIGVE	IAF	BAPKE	NOPT	TF	FB	1.00	163.93	5.00	3000
JASET	IAF	BAPKE	NOPT	TF	FB	1.00	343.99	5.00	3000
BAPKE	IF	BONGE		TF	FB	0.50	253.96	5.90	2300
BONGE	FAF	RW25	MAP	TF	FO	0.30	253.87	5.10	
RW25	MAP	1024 MSL		CA			253.87		
1024 MSL		RIBRE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT RIBRE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD E BAPKE, RT, 253.96 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 10000.

3. FAC: 253.87

FAF: BONGE

DIST FAF TO MAP:

DIST FAF TO THLD: 5.10

4. MIN ALT: BAPKE 3000, BONGE 2300

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 CLEAR

TCH:

8. MSA FROM: RW25 3000

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: CIRCLING RWY 07 NA AT NIGHT.
CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING NA AT NIGHT SOUTH OF RWY 7-25.
CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PLN VORTAC AIRWAY RADIAL 023.

ADDITIONAL FLIGHT DATA:

BONGE TO RW25: 3.04/45.0.
CHART VDP AT 1.28 NM TO RW25
CHART FAS OBST: 778 TREE 455313N/0844356W.
HOLD W, RT, 073.61 INBOUND

MINIMUMS:

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

ALTERNATE: NA ☒

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	1040	1	417	1040	1	417	1040	1 1/8	417		NA				
CIRCLING	1260	1	636	1260	1	636	1260	1 3/4	636		NA				



CHANGES - REASONS

- 1. UPDATED LNAV MDA/HAT FROM 1020/397 TO 1040/417 - CONTROLLING OBSTRUCTION.
- 2. UPDATED LNAV VIS CAT C FROM 1 TO 1 1/8 - VS CK CALCULATOR.
- 3. ADDED CHART NOTE: CIRCLING RWY 07 NA AT NIGHT. - 20:1 PENETRATIONS
- 4. ADDED CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. - 34:1 PENETRATION.
- 5. UPDATED FORM TO REFLECT 34:1 NOT CLEAR AND 20:1 IS CLEAR - VISUAL SURFACES DOCUMENTED IAW 8260.19H CH 8.
- 6. ADDED RNP APCH TO PBN EQUIPMENT REQUIREMENTS - IAW 8260.19H
- 7. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON PLN VORTAC AIRWAY RADIAL 023 - TURN EXCEEDS 90 DEGREES
- 8. UPDATED CHART PROFILE NOTE TO VGSI AND DESCENT ANGLES NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). - NEW NOTE FORMAT.
- 9. UPDATED TERMINAL ROUTE WUYFO-DIGVE COURSE/DIST FROM 140.34/26.96 TO 140.36/26.95 - RECALCULATED
- 10. UPDATED TERMINAL ROUTE DIGVE-BAPKE COURSE FROM 163.96 TO 163.93 - RECALCULATED.
- 11. UPDATED MISSED INSTRUCTION FROM CLIMB TO 3000 VIA 254 COURSE TO RIBRE WP AND HOLD TO CLIMB TO 3000 DIRECT RIBRE AND HOLD. - A RNAV MISSED USES A CA AS FIRST LEG AND MUST BE FOLLOWED BY A DF LEG; IAW 8260.58A 3-5-2.
- 12. UPDATED VDP FROM 1.23NM TO RWY 25 TO 1.28NM TO RW 25 - MDA RAISED CHANGING THE VDP DISTANCE.
- 13. DELETED NOTE: GPS OR RNP-0.3 REQUIRED - NOTE NO LONGER REQUIRED
- 14. 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

GARY BELL

Digitally signed by

ROBERT G HAMILTON

Jul 25, 2018

OFFICE

FICO

DATE

7/23/18

DEVELOPED BY

HEIDI SNIDER

Digitally signed by

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Jun 19, 2018

OFFICE

AJV-5423

DATE

05/15/2018

APPROVED BY

JULIE MORGAN

Digitally signed by

ROBERT G HAMILTON

Jul 25, 2018

OFFICE

AJV-5420

DATE

TITLE

MANAGER

