

**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> APN	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 25	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>CITY</u> ALPENA	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 690	<u>TDZE</u> 682	<u>SUPERSEDED</u>	<u>ORIGINAL/AMENDMENT</u> NONE	<u>DATED</u>
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 26 DECEMBER 2024	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>MAG VAR</u> 7W
				<u>EPOCH YEAR</u> 1985
				<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>
FRTOS	IAF	MUNCN	NOPT	TF	FB	1.00	336.99	5.10	3000
PAPPE	IAF	MUNCN	NOPT	TF	FB	1.00	156.90	5.10	3000
MUNCN	IF/IAF	STNNE		TF	FB	1.00	246.95	3.20	2500
STNNE	FAF	FRSCH/1.58 NM TO RW25		TF	FB	0.30	246.90	3.96	
FRSCH/1.58 NM TO RW25		RW25	MAP	TF	FO	0.30	246.90	1.58	
RW25	MAP	963 MSL		CA			246.90		
963 MSL		GRYDR		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT GRYDR AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- HOLD NE MUNCN, RT, 246.95 INBOUND, 3000 FT. IN LIEU OF PT (IF/IAF), MAX 6000.
- FAC: 246.90 FAF: STNNE DIST FAF TO MAP: 5.54 DIST FAF TO THLD: 5.54
- MIN ALT: MUNCN 3000, STNNE 2500, FRSCH/1.58 NM TO RW25 1240
- DIST TO THLD FROM OM: MM: IM: 150 HAT: 281 HAT: 0.71 GS ANT: MM: IM:
- MIN GP INCPT: 2500 GP ALT AT PFAF: STNNE 2500 OM: MM: IM:
- GP ANGLE: 3.00 34:1: IS NOT CLEAR 20:1: IS CLEAR TCH: 56.0
- MSA FROM: RW25 3500



PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -19°C OR ABOVE 54°C.
 CHART NOTE: RWY 25 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
 CHART NOTE: BARO-VNAV AND VDP NA WHEN USING PZQ ALTIMETER SETTING.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE PZQ ALTIMETER SETTING AND INCREASE LPV DA TO 1018 FEET; INCREASE LNAV/VNAV DA TO 1115 FEET AND ALL VISIBILITIES 1/4 SM. INCREASE ALL MDAS 60 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM.
 CHART SPEED ICON IN PLANVIEW AT FRTOS: MAX 210 KIAS.
 CHART SPEED ICON IN PLANVIEW AT PAPPE: MAX 210 KIAS.

ADDITIONAL FLIGHT DATA:

CHART PIKE EAST MOA.

HOLD SW, RT, 066.64 INBOUND.
 CHART FAS OBST: 803 TREE 450554N/0833145W.
 CHART 1158 TOWER (26-001561) 450923N/0832804W.
 CHART VDP AT 1.04 NM TO RW25.
 WAAS CHANNEL # 45548
 LTP HAE: 170.7 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

<u>CATEGORY:</u>	<u>A</u>			<u>B</u>			<u>C</u>			<u>D</u>			<u>E</u>		
<u>FINAL TYPE</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>	<u>DA/MDA</u>	<u>VIS</u>	<u>HAT/HAA</u>
LPV DA	963	1	281	963	1	281	963	1	281	963	1	281			
LNAV/VNAV DA	1060	1	378	1060	1	378	1060	1	378	1060	1	378			
LNAV MDA	1060	1	378	1060	1	378	1060	1	378	1060	1	378			
CIRCLING	1140	1	450	1140	1	450	1220	1 1/2	530	1300	2	610			

CHANGES - REASONS

ORIGINAL PROCEDURE.



AIRPORT ID
APN

PROCEDURE NAME
RNAV (GPS) RWY 25

ORIGINAL/AMENDMENT
ORIG

CITY
ALPENA

STATE
MI

COORDINATED WITH:

A4A ALPA AOPA APA HAI NBAA OTHER: AMGR, ZMP, APN APP CON

FLIGHT CHECKED BY

MICHAEL A GREENWOOD

Digitally signed by
CASIMIR L TABAKA

Oct 31, 2024

OFFICE

AJF

DATE

10/30/2024

DEVELOPED BY

CASIMIR L. TABAKA (HOPE N. DENTON)

Digitally signed by
CASIMIR L TABAKA

Oct 31, 2024

OFFICE

AJV-A432

DATE

06/05/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by
CASIMIR L TABAKA

Oct 31, 2024

OFFICE

AJV-A432

DATE

TITLE
MANAGER

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KAPN
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	450458.7040N
LTP/FTP LONGITUDE	0833259.5535W
LTP/FTP ELLIPSOIDAL HEIGHT	+01707
FPAP LATITUDE	450413.8925N
FPAP LONGITUDE	0833448.2270W
THRESHOLD CROSSING HEIGHT (TCH)	00056.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1216
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	C02C4A66

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+02071
FPAP ORTHOMETRIC HEIGHT	+02071

