

**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.

AIRPORT ID MNN	PROCEDURE NAME RNAV (GPS) RWY 25	ORIGINAL/AMENDMENT 1	CITY MARION	STATE OH
AIRPORT ELEVATION 993	TDZE 993	SUPERSEDED RNAV (GPS) RWY 25	DATED 01/27/2022	MAG VAR 5W
FACILITY RNAV	COORDINATES OF FACILITIES	ACTUAL EFFECTIVE DATE 2 OCTOBER 2025	REQUIRED EFFECTIVE DATE ROUTINE	EPOCH YEAR 1985
				CANCEL/SUSPEND

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 155/30 CW 335/30	NOPT	LEBJE	IF/IAF	3000
2. 335/30 CW 065/30		335/25 CW 065/25		3100
3. 335/25 CW 065/25		CATES	IAF	3000
4. 065/30 CW 155/30		COSNO	IAF	3000

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
COSNO	IAF	LEBJE	NOPT	TF	FB	1.00	155.05	6.41	3000
CATES	IAF	LEBJE	NOPT	TF	FB	1.00	335.15	6.41	3000
LEBJE	IF/IAF	EYEHE		TF	FB	1.00	245.11	6.13	2700
EYEHE	FAF	RW25	MAP	TF	FO	0.30	245.01	5.23	
RW25	MAP	1294 MSL		CA			245.01		
1294 MSL		CABDA		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW25

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 DIRECT CABDA AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

- | | | | | | |
|---|-----------------------------------|-----------------------|------------------------------|-------------------------------|----------------|
| 1. PT | SIDE OF COURSE | OUTBOUND | FT WITHIN | MILES OF | (IAF) |
| 2. HOLD NE LEBJE, RT, 245.11 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000. | | | | | |
| 3. FAC: 245.01 | FAF: EYEHE | | DIST FAF TO MAP: 5.23 | DIST FAF TO THLD: 5.23 | |
| 4. MIN ALT: LEBJE 3000, EYEHE 2700 | | | | | |
| 5. DIST TO THLD FROM OM: | MM: | IM: | 150 HAT: | 301 HAT: 0.82 | GS ANT: |
| 6. MIN GP INCPT: 2700 | GP ALT AT PFAF: EYEHE 2700 | | | OM: | MM: |
| 7. GP ANGLE: 3.00 | 34:1: IS NOT CLEAR | 20:1: IS CLEAR | TCH: 40.0 | | IM: |
| 8. MSA FROM: | | | | | |

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING OSU ALTIMETER SETTING.
 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: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
 CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE OSU ALTIMETER SETTING AND INCREASE LPV DA TO 1381 FEET AND ALL VISIBILITIES 1/4 SM, INCREASE LNAV/VNAV DA TO 1468 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CATS C AND D 3/8 SM, AND CIRCLING VISIBILITY CATS C AND D 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD SW, RT, 064.81 INBOUND.
 FAS OBST: 1211 AAO 403942N/0825857W.
 CHART VDP AT 1.43 NM TO RW25.
 WAAS CHANNEL # 62904
 REFERENCE PATH ID: W25A
 LTP HAE: 268.4 M

MINIMUMS:

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

ALTERNATE: NA STANDARD - CAT D 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
LPV DA	1294	7/8	301	1294	7/8	301	1294	7/8	301	1294	7/8	301			
LNAV/VNAV DA	1381	1 1/8	388	1381	1 1/8	388	1381	1 1/8	388	1381	1 1/8	388			
LNAV MDA	1480	1	487	1480	1	487	1480	1 3/8	487	1480	1 3/8	487			
CIRCLING	1480	1	487	1480	1	487	1700	2	707	1820	2 3/4	827			



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMNN
RUNWAY	RW25
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	403705.8570N
LTP/FTP LONGITUDE	0830320.6805W
LTP/FTP ELLIPSOIDAL HEIGHT	+02684
FPAP LATITUDE	403621.1970N
FPAP LONGITUDE	0830501.9385W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER FE524E2B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+03028
FPAP ORTHOMETRIC HEIGHT	+03028

