

INSTRUMENT APPROACH PROCEDURE CHARTS

A **IFR ALTERNATE AIRPORT MINIMUMS**

Standard alternate minimums for non-precision approaches and approaches with vertical guidance [NDB, VOR, LOC, TACAN, LDA, SDF, VOR/DME, ASR, RNAV (GPS) or RNAV (RNP)] are 800-2. Standard alternate minimums for precision approaches (ILS, PAR, or GLS) are 600-2. Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Civil pilots see FAR 91. IFR Alternate Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS
ADRIAN, MI
LENAWEE
COUNTY (ADG).....**RNAV (GPS) Rwy 5**
 RNAV (GPS) Rwy 23
NA when local weather not available.

ALMA, MI
GRATIOT
COMMUNITY (AMN).....**RNAV (GPS) Rwy 9**
 RNAV (GPS) Rwy 27
NA when local weather not available.

ALPENA, MI
ALPENA COUNTY
RGNL (APN).....**ILS or LOC Rwy 1¹**
 RNAV (GPS) Rwy 1²
¹NA when control tower closed.
²NA when local weather not available.

ANN ARBOR, MI
ANN ARBOR
MUNI (ARB).....**RNAV (GPS) Rwy 6**
 RNAV (GPS) Rwy 24
 VOR Rwy 6¹
 VOR Rwy 24¹
NA when local weather not available.
¹Category D, 900-2½.

BAD AXE, MI
HURON COUNTY
MEML (BAX).....**RNAV (GPS) Rwy 4**
 RNAV (GPS) Rwy 17
 RNAV (GPS) Rwy 22
 RNAV (GPS) Rwy 35
NA when local weather not available.

BATTLE CREEK, MI
BATTLE CREEK EXEC AT KELLOGG
FLD (BTL).....**ILS or LOC Rwy 23R¹**
 RNAV (GPS) Rwy 5L
 RNAV (GPS) Rwy 23R
NA when local weather not available.
¹NA when control tower closed.

NAME ALTERNATE MINIMUMS
BEAVER ISLAND, MI
BEAVER
ISLAND (SJX).....**RNAV (GPS) Rwy 27**
NA when local weather not available.

BELLAIRE, MI
ANTRIM
COUNTY (ACB).....**RNAV (GPS) Rwy 2**
NA when local weather not available.
Category C, 1000-2¾; Category D, 1100-3.

BENTON HARBOR, MI
SOUTHWEST MICHIGAN
RGNL (BEH).....**RNAV (GPS) Rwy 10**
 VOR Rwy 28
Category D, 800-2¼.

BIG RAPIDS, MI
ROBEN-HOOD (RQB).....**RNAV (GPS) Rwy 27**
NA when local weather not available.
Category D, 900-2¾.

CADILLAC, MI
WEXFORD
COUNTY (CAD).....**RNAV (GPS) Rwy 7**
 RNAV (GPS) Rwy 25
NA when local weather not available.
Category D, 800-2½.

CHARLEVOIX, MI
CHARLEVOIX
MUNI (CVX).....**RNAV (GPS) Rwy 9**
NA when local weather not available.

CHEBOYGAN, MI
CHEBOYGAN
COUNTY (SLH).....**RNAV (GPS) Rwy 10**
 RNAV (GPS) Rwy 28
 VOR Rwy 10
NA when local weather not available.

19 MAY 2022 to 16 JUN 2022

19 MAY 2022 to 16 JUN 2022

NAME ALTERNATE MINIMUMS

COLDWATER, MI

BRANCH COUNTY
MEML (OEB).....**RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25
NA when local weather not available.

DETROIT, MI

COLEMAN A YOUNG
MUNI (DET).....**ILS or LOC Rwy 15¹**
ILS or LOC Rwy 33¹
RNAV (GPS) Rwy 15²³
RNAV (GPS) Rwy 33²

¹LOC, Category D, 900-2 $\frac{1}{4}$.
²Category D, 900-2 $\frac{1}{4}$.
³NA when local weather not available.

WILLOW

RUN (YIP).....**ILS or LOC Rwy 5R¹**
ILS or LOC Rwy 23L²
RNAV (GPS) Rwy 5R⁴
RNAV (GPS) Rwy 9³⁴
RNAV (GPS) Rwy 23L⁴
VOR-A⁴

¹ILS Category D, 700-2 $\frac{1}{4}$; LOC, Category D, 800-2 $\frac{1}{4}$.
²ILS, Category D, 700-2 $\frac{1}{4}$.
³NA when local weather not available.
⁴Category D, 800-2 $\frac{1}{4}$.

DETROIT/GROSSE ILE, MI

GROSSE ILE
MUNI (ONZ).....**NDB Rwy 4¹**
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 22²
VOR-A²

NA when local weather not available.
¹Categories A, B, 1000-2; Category C, 1000-2 $\frac{1}{4}$; Category D, 1000-3.
²Categories A, B, 900-2; Category C, 900-2 $\frac{1}{2}$; Category D, 900-2 $\frac{1}{4}$.

ESCANABA, MI

DELTA COUNTY (ESC).....**ILS or LOC Rwy 9¹³**
LOC/DME BC Rwy 27²
RNAV (GPS) Rwy 1²³
RNAV (GPS) Rwy 9²
RNAV (GPS) Rwy 19²³
RNAV (GPS) Rwy 27²
VOR Rwy 1²³

¹ILS, Category C, 700-2; Category D, 900-2 $\frac{1}{4}$.
LOC, Category D, 900-2 $\frac{1}{4}$.
²Category D, 900-2 $\frac{1}{4}$.
³NA when local weather not available.

NAME ALTERNATE MINIMUMS

FLINT, MI

BISHOP
INTL (FNT).....**ILS or LOC Rwy 9¹²**
ILS or LOC Rwy 27¹²
RNAV (GPS) Rwy 9³
RNAV (GPS) Rwy 18³⁴
RNAV (GPS) Rwy 27³
RNAV (GPS) Rwy 36³
VOR Rwy 18³
VOR Rwy 36³

¹NA when control tower closed.
²LOC, Category D, 800-2 $\frac{1}{4}$.
³Category D, 800-2 $\frac{1}{4}$.
⁴NA when local weather not available.

FRANKFORT, MI

FRANKFORT DOW MEML
FLD (FKS).....**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available.
Category B, 900-2; Category C, 900-2 $\frac{1}{4}$.

FREMONT, MI

FREMONT
MUNI (FFX).....**RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19
NA when local weather not available.

GAYLORD, MI

GAYLORD RGNL (GLR).....**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
VOR Rwy 27
Category D, 800-2 $\frac{1}{2}$.
NA when local weather not available.

GRAND RAPIDS, MI

GERALD R FORD
INTL (GRR).....**ILS or LOC Rwy 26L¹**
ILS or LOC Rwy 35¹
RADAR-1¹
RNAV (GPS) Rwy 8L²
RNAV (GPS) Rwy 17²
VOR Rwy 17²

¹NA when control tower closed.
²NA when local weather not available.

GRAYLING, MI

GRAYLING AAF (GOV).....**RNAV (GPS) Rwy 14**
NA when local weather not available.
Category D, 900-2 $\frac{1}{2}$.

19 MAY 2022 to 16 JUN 2022

19 MAY 2022 to 16 JUN 2022

**ALTERNATE MINS**

22139

M3



NAME ALTERNATE MINIMUMS

HANCOCK, MI

HOUGHTON COUNTY
MEML (CMX).....**ILS or LOC Rwy 31¹**
LOC BC Rwy 13³
RNAV (GPS) Rwy 7²³
RNAV (GPS) Rwy 13²⁴
RNAV (GPS) Rwy 25²⁴
VOR Rwy 25²³

- ¹LOC, Category D, 800-2¼.
- ²NA when local weather not available.
- ³Category D, 800-2¼.
- ⁴Category D, 900-2½.

HARBOR SPRINGS, MI

HARBOR
SPRINGS (MGN).....**RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 28
 NA when local weather not available.
 Category B, 900-2.

HOLLAND, MI

WEST MICHIGAN
RGNL (BIV).....**RNAV (GPS) Rwy 8**
RNAV (GPS) Rwy 26
 NA when local weather not available.

HOUGHTON LAKE, MI

ROSCOMMON COUNTY - BLODGETT
MEML (HTL).....**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
 NA when local weather not available.

HOWELL, MI

LIVINGSTON COUNTY SPENCER J
HARDY (OZW).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
 NA when local weather not available.

IONIA, MI

IONIA COUNTY (Y70).....**RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 28
 NA when local weather not available.

IRON MOUNTAIN-KINGSFORD, MI

FORD (IMT).....**RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19
VOR Rwy 31
 NA when local weather not available.

IRONWOOD, MI

GOGEBIC/IRON
COUNTY (IWD).....**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
VOR Rwy 9
 NA when local weather not available.
 Categories A, B, 900-2; Categories C, D, 1000-3.

NAME ALTERNATE MINIMUMS

JACKSON, MI

JACKSON COUNTY-REYNOLDS
FLD (JXN).....**ILS or LOC Rwy 25¹**
RNAV (GPS) Rwy 7
 NA when local weather not available.
¹NA when tower closed.

KALAMAZOO, MI

KALAMAZOO/BATTLE CREEK
INTL (AZO).....**ILS or LOC Rwy 35¹²**
RADAR-1¹
RNAV (GPS) Rwy 17³
VOR Rwy 35³
¹NA when control tower closed.
²ILS, Category C, D, 700-2.
³NA when local weather not available.

LANSING, MI

CAPITAL REGION
INTL (LAN).....**ILS or LOC Rwy 10R¹**
ILS or LOC Rwy 28L²
RNAV (GPS) Rwy 6³
RNAV (GPS) Rwy 10R³
RNAV (GPS) Rwy 24³
RNAV (GPS) Rwy 28L³
¹ILS, Category C, 800-2; Category D, 900-3;
²LOC, Category D, 900-3.
³LOC, Category D, 900-3.
³Category D, 900-3.

LAPEER, MI

DUPONT/LAPEER (D95).....**RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
 NA when local weather not available.

LUDINGTON, MI

MASON COUNTY (LDM).....**RNAV (GPS) Rwy 8**
RNAV (GPS) Rwy 26
 NA when local weather not available.

MACKINAC ISLAND, MI

MACKINAC
ISLAND (MCD).....**RNAV (GPS) Rwy 8**
RNAV (GPS) Rwy 26
VOR/DME-A
 NA when local weather not available.

MANISTEE, MI

MANISTEE COUNTY/
BLACKER (MBL).....**ILS or LOC Rwy 28¹**
RNAV (GPS) Rwy 10²
RNAV (GPS) Rwy 28²
 NA when local weather not available
¹LOC, Category C, 800-2¼; Category D, 900-3.
²Category C, 800-2¼; Category D, 900-2¼.

19 MAY 2022 to 16 JUN 2022

19 MAY 2022 to 16 JUN 2022

**ALTERNATE MINS**

22139

M3

EC-1



22139

NAME ALTERNATE MINIMUMS

MANISTIQUE, MI

SCHOOLCRAFT
COUNTY (ISQ).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.

MARSHALL, MI

BROOKS FLD (RMY).....RNAV (GPS) Rwy 28

NA when local weather not available.

MASON, MI

MASON JEWETT
FLD (TEW).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.

MENOMINEE, MI

MENOMINEE
RGNL (MNM).....RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21
RNAV (GPS) Rwy 32
VOR-A

NA when local weather not available.
Category D, 800-2½.

MIDLAND, MI

JACK BARSTOW (IKW).....RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24
VOR-A

NA when local weather not available.

MONROE, MI

CUSTER (TTF).....RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21

NA when local weather not available.

MOUNT PLEASANT, MI

MOUNT PLEASANT
MUNI (MOP).....RNAV (GPS) Rwy 9¹
RNAV (GPS) Rwy 27¹
VOR Rwy 27²

NA when local weather not available.
¹Category D, 1000-3.
²Categories C, D, 1000-3.

MUSKEGON, MI

MUSKEGON
COUNTY (MKG).....ILS or LOC Rwy 24¹
ILS or LOC Rwy 32¹
RNAV (GPS) Rwy 6²
RNAV (GPS) Rwy 14²
RNAV (GPS) Rwy 24²
RNAV (GPS) Rwy 32²

¹NA when control tower closed.
²NA when local weather not available.

NAME ALTERNATE MINIMUMS

NEWBERRY, MI

LUCE
COUNTY (ERY).....RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 29

NA when local weather not available.
Category D, 800-2¼.

OWOSSO, MI

OWOSSO
COMMUNITY (RNP).....RNAV (GPS) Rwy 29
VOR/DME Rwy 29

NA when local weather not available.

PELLSTON, MI

PELLSTON RGNL/EMMET
COUNTY (PLN).....ILS or LOC Rwy 32¹
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23³
RNAV (GPS) Rwy 32³
VOR Rwy 23³

NA when local weather not available.
¹LOC, Category C, 900-2½; Category D, 1000-3.
²Categories A, B, 900-2; Category C, 900-2½;
Category D, 1000-3.
³Category C, 900-2½; Category D, 1000-3.

PONTIAC, MI

OAKLAND COUNTY
INTL (PTK).....ILS or LOC Rwy 9R¹
LOC BC Rwy 27L¹
RNAV (GPS) Rwy 9R
RNAV (GPS) Rwy 27L

NA when local weather not available.
¹NA when tower closed.

PORT HURON, MI

ST CLAIR COUNTY
INTL (PHN).....RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22

NA when local weather not available.

SAGINAW, MI

MBS INTL (MBS).....ILS or LOC Rwy 5¹
ILS or LOC Rwy 23¹
VOR Rwy 14²

¹NA when control tower closed.
²NA for NON-DME equipped aircraft when control
tower closed.

SAGINAW COUNTY H W
BROWNE (HYX).....RNAV (GPS) Rwy 10¹
RNAV (GPS) Rwy 28
VOR/DME-A¹

Category C, 900-2½.
¹NA when local weather not available.

19 MAY 2022 to 16 JUN 2022

19 MAY 2022 to 16 JUN 2022

22139

M4

22139

NAME ALTERNATE MINIMUMS

NAME ALTERNATE MINIMUMS

SAULT STE MARIE, MI

CHIPPEWA COUNTY

INTL (CIU).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28
RNAV (GPS) Rwy 34

NA when local weather not available.

SAULT STE MARIE MUNI/SANDERSON

FLD (ANJ).....RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32
VOR Rwy 32

NA when local weather not available.

SOUTH HAVEN, MI

SOUTH HAVEN

AREA RGNL (LWA).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

NA when local weather not available.

Category C, 800-2¼; Category D, 800-2½.

STURGIS, MI

KIRSCH MUNI (IRS)

.....NDB Rwy 18
NDB Rwy 24
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36

NA when local weather not available.

Category D, 800-2¼.

THREE RIVERS, MI

THREE RIVERS MUNI DR

HAINES (HAI).....RNAV (GPS) Rwy 27
VOR-A

NA when local weather not available.

TRAVERSE CITY, MI

CHERRY

CAPITAL (TVC).....ILS or LOC Rwy 28¹²³
RNAV (GPS) Rwy 10⁴
RNAV (GPS) Rwy 18¹⁵
RNAV (GPS) Rwy 28¹⁵
RNAV (GPS) Rwy 36¹⁵
VOR-A¹⁶

¹NA when local weather not available.

²NA when control tower closed.

³ILS, LOC, Categories A, B, 900-2; Category C, 900-2½; Category D, 1100-3.

⁴Categories A, B, 1200-2; Categories C, D, 1200-3.

⁵Category C, 900-2½; Category D, 1100-3.

⁶Categories A, B, 900-2; Category C, 900-2½; Category D, 1100-3.

WEST BRANCH, MI

WEST BRANCH

COMMUNITY (Y31).....RNAV (GPS) Rwy 9¹²
RNAV (GPS) Rwy 27³

¹NA when local weather not available.

²Category C, 800-2¼; Category D, 800-2½.

³Category D, 900-2¼.

19 MAY 2022 to 16 JUN 2022

19 MAY 2022 to 16 JUN 2022

22139

M5