

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
 LENAWEЕ
 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 4
 VOR Rwy 6
 VOR Rwy 24
 NA when local weather not available.

BAD AXE, MI
 HURON COUNTY
 MEMORIAL (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 EXECUTIVE AT KELLOGG
 FIELD (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 (SJJ).....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 D, 900-2¼.

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, 900-2¼.

CADILLAC, MI
 WEXFORD
 COUNTY (CAD).....RNAV (GPS) Rwy 7
 RNAV (GPS) Rwy 25
 NA when local weather not available.

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.

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NAME ALTERNATE MINIMUMS

COLDWATER, MI

BRANCH COUNTY
MEMORIAL (OEB).....RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25
VOR Rwy 7
VOR/DME 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 15²
RNAV (GPS) Rwy 33²

¹LOC, Category D, 900-2 $\frac{1}{4}$.

²Category D, 900-2 $\frac{1}{4}$.

WILLOW
RUN (YIP).....ILS or LOC Rwy 5R¹
ILS or LOC Rwy 23L²
RNAV (GPS) Rwy 5L^{3,4}
RNAV (GPS) Rwy 5R⁴
RNAV (GPS) Rwy 9^{3,4}
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 $\frac{1}{4}$; Category D, 900-2 $\frac{1}{4}$.

ESCANABA, MI

DELTA COUNTY (ESC).....ILS or LOC Rwy 9^{1,3}
LOC/DME BC Rwy 27²
RNAV (GPS) Rwy 1²
RNAV (GPS) Rwy 9²
RNAV (GPS) Rwy 27²
VOR Rwy 1^{2,3}

¹ILS, Category C, 700-2; Category D, 900-2 $\frac{1}{4}$.

²LOC, Category D, 900-2 $\frac{1}{4}$.

³Category D, 900-2 $\frac{1}{4}$.

⁴NA when local weather not available.

NAME ALTERNATE MINIMUMS

FLINT, MI

BISHOP
INTL (FNT).....ILS or LOC Rwy 9^{1,2}
ILS or LOC Rwy 27^{1,2}
RADAR-1¹
RNAV (GPS) Rwy 9³
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 $\frac{1}{4}$.

FRANKFORT, MI

FRANKFORT DOW MEMORIAL
FIELD (FKS).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33

NA when local weather not available.

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 27
VOR Rwy 27

Category D, 800-2 $\frac{1}{4}$.

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
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.

HANCOCK, MI

HOUGHTON COUNTY
MEMORIAL (CMX).....ILS or LOC Rwy 31¹
LOC BC Rwy 13³
RNAV (GPS) Rwy 7³
RNAV (GPS) Rwy 13^{2,4}
RNAV (GPS) Rwy 25⁴
VOR Rwy 25³

¹LOC, Category D, 800-2 $\frac{1}{4}$.

²NA when local weather not available.

³Category D, 800-2 $\frac{1}{4}$.

⁴Category D, 900-2 $\frac{1}{4}$.

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NAME ALTERNATE MINIMUMS

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
MEMORIAL (HTL).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27

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; Category C, 900-2½;
Category D, 1000-3.

JACKSON, MI

JACKSON COUNTY-REYNOLDS
FIELD (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 35¹³
RADAR-1¹
RNAV (GPS) Rwy 17²

¹NA when control tower closed.
²NA when local weather not available.
³Category C, D, 700-2.

NAME ALTERNATE MINIMUMS

LANSING, MI

CAPITAL REGION
INTL (LAN).....ILS or LOC Rwy 10R¹
ILS or LOC Rwy 28L²
RNAV (GPS) Rwy 28L³

¹ILS, Category C, 800-2; Category D, 900-3;
LOC, Category D, 900-3.
²LOC, 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 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 CO-
BLACKER (MBL).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28
VOR Rwy 10

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

MANISTIQUE, MI

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

NA when local weather not available.

MARSHALL, MI

BROOKS
FIELD (RMY).....RNAV (GPS) Rwy 28
VOR/DME-A

NA when local weather not available.

MASON, MI

MASON JEWETT
FIELD (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.

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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 9
RNAV (GPS) Rwy 27
VOR Rwy 27

NA when local weather not available.

MUSKEGON, MI

MUSKEGON
COUNTY (MKG).....ILS or LOC Rwy 24
ILS or LOC Rwy 32

NA when control tower closed.

NEWBERRY, MI

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

NA when local weather not available.

OWOSSO, MI

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

NA when local weather not available.

PELLSTON, MI

PELLSTON RGNL AIRPORT OF
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.

¹ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.

²Categories A,B, 900-2; Category C, 900-2½; Category D, 900-2¼.

³Category D, 800-2¼.

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.

NAME ALTERNATE MINIMUMS

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).....ILS or LOC Rwy 28¹
RNAV (GPS) Rwy 10^{2,3}
RNAV (GPS) Rwy 28²
VOR/DME-A^{2,3}

¹ILS, LOC, Category C, 900-2½.

²Category C, 900-2½.

³NA when local weather not available.

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

FIELD (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).....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.

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TRAVERSE CITY, MI

CHERRY

CAPITAL (TVC).....**ILS or LOC Rwy 28**¹²³
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 9**¹²
RNAV (GPS) Rwy 27³

- ¹NA when local weather not available.
- ²Category C, 800-2¼; Category D, 800-2½.
- ³Category D, 900-2¾.

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