

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 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.

NAME ALTERNATE MINIMUMS
BATTLE CREEK, MI
W K KELLOGG (BTL).....ILS or LOC Rwy 23R¹³
NDB Rwy 23R³
RADAR-1²
RNAV (GPS) Rwy 5L³
RNAV (GPS) Rwy 23R³
¹NA when control tower closed.
²NA when Kalamazoo control tower closed.
³NA when local weather not available.

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 D, 900-2¾.

BENTON HARBOR, MI
SOUTHWEST MICHIGAN
RGNL (BEH).....RNAV (GPS) Rwy 10
VOR Rwy 28
NA when local weather not available.

BIG RAPIDS, MI
ROBEN-HOOD (RQB).....RNAV (GPS) Rwy 27¹
VOR/DME-A²
NA when local weather not available.
¹Category D, 900-2¾.
²Categories A, B, 900-2; Category C, 900-2½;
Category D, 900-2¾.

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

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NAME ALTERNATE MINIMUMS

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.

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, 900-2¼.
²Category D, 900-2¼.

DETROIT METROPOLITAN WAYNE
COUNTY (DTW).....ILS Z or LOC Rwy 4L
ILS, Categories A, B, C, D, 700-2.

WILLOW
RUN (YIP).....ILS or LOC Rwy 5R¹
ILS or LOC Rwy 23L²
RNAV (GPS) Rwy 5L³⁴
RNAV (GPS) Rwy 5R⁴
RNAV (GPS) Rwy 9³⁴
RNAV (GPS) Rwy 23L⁴
VOR-A⁴

¹ILS Category D, 700-2¼; LOC, Category D, 800-2¼.
²ILS, Category D, 700-2¼.
³NA when local weather not available.
⁴Category D, 800-2¼.

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, 1000-2¼; Category D, 1000-3.
²Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¼.

NAME ALTERNATE MINIMUMS

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 27²
VOR Rwy 1²³

¹ILS, Category C, 700-2; Category D, 900-2¼.
LOC, Category D, 900-2¼.
²Category D, 900-2¼.
³NA when local weather not available.

FLINT, MI

BISHOP
INTL (FNT).....ILS or LOC Rwy 9¹²
ILS or LOC Rwy 27¹²
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, 800-2¼.
³Category D, 800-2¼.

FRANKFORT, MI

FRANKFORT DOW MEMORIAL
FIELD (FKS).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
NA when local weather not available.
Category C, 900-2¼.

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

GRAND RAPIDS, MI

GERALD R FORD
INTL (GRR).....ILS or LOC Rwy 26L¹
ILS or LOC Rwy 35¹²
RADAR-1¹
VOR Rwy 17³

¹NA when control tower closed.
²ILS, Categories A, B, C, 700-2; Category D, 700-2¼. LOC, Category D, 800-2¼.
³NA when local weather not available.

NAME ALTERNATE MINIMUMS

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/DME BC Rwy 13^{2,3}
RNAV (GPS) Rwy 7³
RNAV (GPS) Rwy 13^{2,4}
RNAV (GPS) Rwy 25^{2,4}
RNAV (GPS) Rwy 31³
VOR Rwy 25³

¹ILS, LOC, 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
MEMORIAL (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
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.

NAME ALTERNATE MINIMUMS

JACKSON, MI

JACKSON COUNTY-REYNOLDS
FIELD (JXN).....ILS or LOC Rwy 25
NA when tower closed.
ILS, Categories, C, D, 700-2.

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.

LANSING, MI

CAPITAL REGION
INTL (LAN).....ILS or LOC Rwy 10R¹
ILS or LOC Rwy 28L¹
RNAV (GPS) Rwy 28L²
¹ILS, Category C, 800-2; Category D, 900-3; LOC,
Category D, 900-3.
²Category D, 900-3.

LAPEER, MI

DUPONT-LAPEER (D95).....RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36
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.

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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.

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).....VOR/DME Rwy 29

NA when local weather not available.

NAME ALTERNATE MINIMUMS

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.

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 10²
RNAV (GPS) Rwy 28²
VOR/DME-A³

¹ILS, LOC, Category C, 900-2½.

²Category C, 900-2¼.

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.

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SAULT STE MARIE, MI (CON'T)

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
VOR 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.

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.

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