

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 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 (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, 900-2 $\frac{1}{4}$.

BENTON HARBOR, MI
SOUTHWEST MICHIGAN
RGNL (BEH).....**RNAV (GPS) Rwy 10**
VOR Rwy 28
Category D, 800-2 $\frac{1}{4}$.

BIG RAPIDS, MI
ROBEN-HOOD (RQB).....**RNAV (GPS) Rwy 27**
NA when local weather not available.
Category D, 900-2 $\frac{1}{4}$.

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 $\frac{3}{4}$.

²Category D, 900-2 $\frac{3}{4}$.

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 $\frac{3}{4}$; Category D, 1000-3.

²Categories A, B, 900-2; Category C, 900-2 $\frac{1}{2}$; Category D, 900-2 $\frac{3}{4}$.

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 $\frac{3}{4}$.

LOC, Category D, 900-2 $\frac{3}{4}$.

²Category D, 900-2 $\frac{3}{4}$.

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 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 $\frac{3}{4}$.

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 $\frac{1}{2}$.

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.

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 25^{2,4}
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 $\frac{1}{2}$.

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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.

NAME ALTERNATE MINIMUMS

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 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.**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, 900-2¾.³Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

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 10²³
 RNAV (GPS) Rwy 28²
 VORDME-A²³

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.

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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, 900-2¾.

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