

A IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability.

ANA designation on the approach chart means that pilots may not use that approach as an alternate due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Approaches with the **A**NA designation are not listed in this section. **A** designation on the approach chart indicates that the approach procedure has non-standard minimums (for aircraft other than helicopters) or restrictions (for all users) for its use as an alternate. A procedure is not authorized for alternate flight planning purposes when local weather is not available.

MILITARY USERS NOTE: For IFR alternate airport and minima planning, refer to appropriate service directives.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	600-2	800-2
A Non-Standard or restrictions	As indicated below	As indicated below
Helicopters	For the selected approach: Ceiling: 200' above published ceiling Visibility: the greater of 1 SM visibility or the published visibility	

Note: For alternate airport flight planning purposes, precision approach operations include: ILS, PAR, and GLS, and Non-Precision approach operations include: NDB, VOR, LOC, TACAN, LDA, SDF, ASR, RNAV (GPS) and RNAV (RNP).

NAME ALTERNATE MINIMUMS

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

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.

ALMA, MI
GRATIOT
COMMUNITY (AMN).....**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
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.

ALPENA, MI
ALPENA COUNTY
RGNL (APN).....**ILS or LOC Rwy 1¹**
RNAV (GPS) Rwy 7²
RNAV (GPS) Rwy 25²

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

BEAVER ISLAND, MI
BEAVER
ISLAND (SJX).....**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
NA 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.
¹Cat D 900-2½.

BELLAIRE, MI
ANTRIM
COUNTY (ACB).....**RNAV (GPS) Rwy 2**
NA when local weather not available.
Cat C 1000-2¼, Cat D 1100-3.

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

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BIG RAPIDS, MI

ROBEN-HOOD (RQB).....RNAV (GPS) Rwy 27
 NA when local weather not available.
 Cat D 900-2¼.

CADILLAC, MI

WEXFORD
 COUNTY (CAD).....RNAV (GPS) Rwy 7
 RNAV (GPS) Rwy 25
 NA when local weather not available.
 Cat D 800-2¼.

CARO, MI

TUSCOLA
 AREA (CFS).....RNAV (GPS) Rwy 6¹
 RNAV (GPS) Rwy 24¹
 VOR-A²
 NA when local weather not available.
¹Cat C 900-2¼.
²Cat A, B 900-2, Cat C 900-2¼.

CHARLEVOIX, MI

CHARLEVOIX
 MUNI (CVX).....RNAV (GPS) Rwy 9
 RNAV (GPS) Rwy 27
 NA when local weather not available.
 Cat D 800-2¼.

CHARLOTTE, MI

FITCH H BEACH (FPK).....RNAV (GPS) Rwy 21
 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
 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 15²
 RNAV (GPS) Rwy 33²
 NA when local weather not available.
¹LOC Cat D 900-2¼.
²Cat D 900-2¼.

NAME ALTERNATE MINIMUMS

DETROIT, MI (CON'T)

WILLOW RUN (YIP).....ILS or LOC Rwy 5¹
 ILS or LOC Rwy 23¹
 RNAV (GPS) Rwy 5²
 RNAV (GPS) Rwy 9²
 RNAV (GPS) Rwy 23²
 VOR-A²

¹LOC Cat D 800-2¼.
²Cat D 800-2¼.

DETROIT/GROSSE ILE, MI

GROSSE ILE MUNI (ONZ).....RNAV (GPS) Rwy 4
 RNAV (GPS) Rwy 22
 VOR-A

NA when local weather not available.

ESCANABA, MI

DELTA COUNTY (ESC).....ILS or LOC Rwy 10¹
 LOC BC Rwy 28²
 RNAV (GPS) Rwy 1²
 RNAV (GPS) Rwy 10²
 RNAV (GPS) Rwy 19²
 RNAV (GPS) Rwy 28²
 VOR Rwy 1²

NA when local weather not available.

¹LOC Cat D 900-2¼.
²Cat D 900-2¼.

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 Cat D 800-2¼.

³Cat D 800-2¼.

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.

Cat B 900-2, Cat C 900-2¼.

FREMONT, MI

FREMONT
 MUNI (FFX).....RNAV (GPS) Rwy 1
 RNAV (GPS) Rwy 19

NA when local weather not available.

Cat D 800-2¼.

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GAYLORD, MIGAYLORD RGNL (GLR).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27

Cat D 800-2½.

NA when local weather not available.

GRAND RAPIDS, MIGERALD R FORD
INTL (GRR).....ILS or LOC Rwy 26L¹²
ILS or LOC Rwy 35¹
RNAV (GPS) Rwy 8L²
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 35²
VOR Rwy 17²¹NA 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.
Cat D 900-2½.**HANCOCK, MI**HOUGHTON COUNTY
MEML (CMX).....ILS or LOC Rwy 32¹²
LOC BC Rwy 14³⁴
RNAV (GPS) Rwy 7³⁴
RNAV (GPS) Rwy 14³⁴
RNAV (GPS) Rwy 25³⁴
RNAV (GPS) Rwy 32³⁴
VOR Rwy 25³⁴¹LOC NA when local weather not available.²LOC Cat D 800-2¼.³Cat D 800-2¼.⁴NA when local weather not available.**HARBOR SPRINGS, MI**HARBOR
SPRINGS (MGN).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.

Cat B 900-2.

HOLLAND, MIWEST MICHIGAN
RGNL (BIV).....RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 26

NA when local weather not available.

HOUGHTON LAKE, MIROSCOMMON COUNTY/BLODGETT
MEML (HTL).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27

NA when local weather not available.

HOWELL, MILIVINGSTON COUNTY/SPENCER J
HARDY (OZW).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

NA when local weather not available.

NAME ALTERNATE MINIMUMS

IONIA, MIIONIA COUNTY (Y70).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.

IRON MOUNTAIN KINGSFORD, MIFORD (IMT).....RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 19

NA when local weather not available.

Cat D 800-2¼.

IRONWOOD, MIGOGEBIC/IRON
COUNTY (IWD).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
VOR Rwy 9

NA when local weather not available.

Cat A, B 900-2, Cat C, D 1000-3.

JACKSON, MIJACKSON COUNTY/REYNOLDS
FLD (JXN).....ILS or LOC Rwy 25¹
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 25
RNAV (GPS) Rwy 32

NA when local weather not available.

¹NA when control tower closed.**KALAMAZOO, MI**KALAMAZOO/BATTLE CREEK
INTL (AZO).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 17¹
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 35¹

NA when local weather not available.

¹Cat D 800-2¼.**LANSING, MI**CAPITAL REGION
INTL (LAN).....ILS or LOC Rwy 10R¹
ILS or LOC Rwy 28L¹
RNAV (GPS) Rwy 6²
RNAV (GPS) Rwy 10R²
RNAV (GPS) Rwy 24²
RNAV (GPS) Rwy 28L²¹LOC Cat D 900-3.²Cat D 900-3.**LAPEER, MI**DUPONT/LAPEER (D95).....RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36

NA when local weather not available.

LUDINGTON, MIMASON COUNTY (LDM).....RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 26

NA when local weather not available.

Cat D 900-2¼.

NAME ALTERNATE MINIMUMS

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 Cat C 800-2¼, Cat D 900-3.²Cat C 800-2¼, Cat D 900-2¼.**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

NA when local weather not available.

Cat 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.

Cat C 800-2¼, Cat D 800-2½.

MOUNT PLEASANT, MI

MOUNT PLEASANT
MUNI (MOP).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27

NA when local weather not available.

Cat D 1000-3.

NAME ALTERNATE MINIMUMS

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.

Cat 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 Cat C 900-2½, Cat D 1000-3.²Cat A, B 900-2, Cat C 900-2½, Cat D 1000-3.³Cat C 900-2½, Cat D 1000-3.**PONTIAC, MI**

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

NA when local weather not available.

¹NA when control 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 23

NA when control tower closed.

¹NA when local weather not available.

NAME ALTERNATE MINIMUMS

SAGINAW, MI (CON'T)

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

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

SAULT STE MARIE, MI

CHIPPEWA COUNTY
INTL (CIU).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 16
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.
Cat C 800-2¼, Cat D 800-2½.

SPARTA, MI

PAUL C
MILLER/SPARTA (8D4).....RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25

NA when local weather not available.

STURGIS, MI

KIRSCH MUNI (IRS).....NDB Rwy 19
NDB Rwy 24
RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 19

NA when local weather not available.
Cat D 800-2¼.

THREE RIVERS, MI

THREE RIVERS MUNI/
DR HAINES (HAI).....RNAV (GPS) Rwy 27

NA when local weather not available.

NAME ALTERNATE MINIMUMS

TRAVERSE CITY, MI

CHERRY
CAPITAL (TVC).....ILS or LOC Rwy 10¹²³
ILS or LOC Rwy 28¹²⁴
RNAV (GPS) Rwy 10⁵
RNAV (GPS) Rwy 18¹⁶
RNAV (GPS) Rwy 28¹⁶
RNAV (GPS) Rwy 36¹⁶

¹NA when local weather not available.

²NA when control tower closed.

³LOC Cat A, B 1100-2, Cat C, D 1100-3.

⁴LOC Cat A, B 900-2, Cat C 900-2½, Cat D 1100-3.

⁵Cat A, B 1200-2, Cat C, D 1200-3.

⁶Cat C 900-2½, Cat D 1100-3.

TROY, MI

OAKLAND/TROY (VLL).....RNAV (GPS) Rwy 10
NA when local weather not available.

WEST BRANCH, MI

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

¹NA when local weather not available.

²Cat C 800-2¼, Cat D 900-2¼.

³Cat D 900-2¼.

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