IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability. NA 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 NA designation are not listed in this section. 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**
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, ASR, RNAV (GPS) and RNAV (RNP).

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 18
RNAV (GPS) Rwy 27
NA when local weather not available.

ALPENA, MI
ALPENA COUNTY RGNL (APN)..... **ILS or LOC Rwy 1[1]**
RNAV (GPS) Rwy 7[2]
RNAV (GPS) Rwy 25[2]
[1]NA when control tower closed.
[2]NA when local weather not available.

ANN ARBOR, MI
ANN ARBOR MUNI (ARB)..... **RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24
NA when local weather not available.

NAME — ALTERNATE MINIMUMS

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 23R[1]**
RNAV (GPS) Rwy 5L
RNAV (GPS) Rwy 23R
NA when local weather not available.
[1]NA when control tower closed.

BEAVER ISLAND, MI
BEAVER ISLAND (SJX)..... **RNAV (GPS) Rwy 9**
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.
Cat C 1000-2¾, Cat D 1100-3.

NAME ALTERNATE MINIMUMS

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

BIG RAPIDS, MI
ROBEN-HOOD (RQB)…… **RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 28
NA when local weather not available.

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

CARO, MI
TUSCOLA
AREA (CFS)..……..…....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24
NA when local weather not available.
Cat C 900-2¾.

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
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 15[1]**
ILS or LOC Rwy 33[1]
RNAV (GPS) Rwy 15[2]
RNAV (GPS) Rwy 33[2]
NA when local weather not available.
[1]LOC Cat D 900-2¾.
[2]Cat D 900-2¾.

NAME ALTERNATE MINIMUMS

DETROIT, MI (CON'T)
WILLOW RUN (YIP)…… ….**ILS or LOC Rwy 5[1]**
ILS or LOC Rwy 23[1]
RNAV (GPS) Rwy 5[2]
RNAV (GPS) Rwy 9[2]
RNAV (GPS) Rwy 23[2]
VOR-A[2]
[1]LOC Cat D 800-2¼.
[2]Cat 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 10[1]**
LOC BC Rwy 28[2]
RNAV (GPS) Rwy 1[2]
RNAV (GPS) Rwy 10[2]
RNAV (GPS) Rwy 19[2]
RNAV (GPS) Rwy 28[2]
VOR Rwy 1[2]
NA when local weather not available.
[1]LOC Cat D 900-2¾.
[2]Cat D 900-2¾.

FLINT, MI
BISHOP INTL (FNT)……..…..…..**ILS or LOC Rwy 9[12]**
ILS or LOC Rwy 27[12]
RNAV (GPS) Rwy 9[3]
RNAV (GPS) Rwy 18[34]
RNAV (GPS) Rwy 27[3]
RNAV (GPS) Rwy 36[3]
VOR Rwy 18[3]
VOR Rwy 36[3]
[1]NA when control tower closed.
[2]LOC Cat D 800-2¼.
[3]Cat D 800-2¼.
[4]NA 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 900-2¾.

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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NAME ALTERNATE MINIMUMS

GAYLORD, MI
GAYLORD RGNL (GLR)……..**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27
Cat D 800-2½.
NA when local weather not available.

GLADWIN, MI
GLADWIN ZETTEL
MEML (GDW)……..**RNAV (GPS) Rwy 27**
NA when local weather not available.
Cat D 900-2¾.

GRAND RAPIDS, MI
GERALD R FORD
INTL (GRR)……..**ILS or LOC Rwy 8R**[12]
ILS or LOC Rwy 26L[12]
ILS or LOC Rwy 35[12]
RNAV (GPS) Rwy 8L[2]
RNAV (GPS) Rwy 8R[2]
RNAV (GPS) Rwy 17[2]
RNAV (GPS) Rwy 35[2]
VOR Rwy 17[2]
[1]NA when control tower closed.
[2]NA 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 32**[12]
LOC BC Rwy 14[34]
RNAV (GPS) Rwy 7[34]
RNAV (GPS) Rwy 14[34]
RNAV (GPS) Rwy 25[34]
RNAV (GPS) Rwy 32[34]
VOR Rwy 25[34]
[1]LOC NA when local weather not available.
[2]LOC Cat D 800-2¼.
[3]Cat D 800-2¼.
[4]NA 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, MI
WEST MICHIGAN
RGNL (BIV)……..……...**RNAV (GPS) Rwy 8**
RNAV (GPS) Rwy 26
NA when local weather not available.

NAME ALTERNATE MINIMUMS

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

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

JACKSON, MI
JACKSON COUNTY/REYNOLDS
FLD (JXN)…….. ..**ILS or LOC Rwy 25**[1]
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 25
RNAV (GPS) Rwy 32
NA when local weather not available.
[1]NA when control tower closed.

KALAMAZOO, MI
KALAMAZOO/BATTLE CREEK
INTL (AZO)…….. ....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 17[1]
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 35[1]
NA when local weather not available.
[1]Cat D 800-2¼.

NAME	ALTERNATE MINIMUMS

LANSING, MI
CAPITAL REGION INTL (LAN)
ILS or LOC Rwy 10R[1]
ILS or LOC Rwy 28L[1]
RNAV (GPS) Rwy 6[2]
RNAV (GPS) Rwy 10R[2]
RNAV (GPS) Rwy 24[2]
RNAV (GPS) Rwy 28L[2]
[1]LOC Cat D 900-3.
[2]Cat 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.
Cat D 900-2¾.

MACKINAC ISLAND, MI
MACKINAC ISLAND (MCD)
RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 26
NA when local weather not available.

MANISTEE, MI
MANISTEE COUNTY/ BLACKER (MBL)
ILS or LOC Rwy 28[1]
RNAV (GPS) Rwy 10[2]
RNAV (GPS) Rwy 28[2]
NA when local weather not available
[1]LOC Cat C 800-2¼, Cat D 900-3.
[2]Cat C 800-2¼, Cat D 900-2¾.

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.

NAME	ALTERNATE MINIMUMS

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.

MUSKEGON, MI
MUSKEGON COUNTY (MKG)
ILS or LOC Rwy 24[1]
ILS or LOC Rwy 32[1]
RNAV (GPS) Rwy 6[2]
RNAV (GPS) Rwy 14[2]
RNAV (GPS) Rwy 24[2]
RNAV (GPS) Rwy 32[2]
[1]NA when control tower closed.
[2]NA 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.

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NAME — ALTERNATE MINIMUMS

PELLSTON, MI
PELLSTON RGNL/EMMET COUNTY (PLN)..... **ILS or LOC Rwy 32[1]**
RNAV (GPS) Rwy 5[2]
RNAV (GPS) Rwy 23[3]
RNAV (GPS) Rwy 32[3]
NA when local weather not available.
[1]LOC Cat C 900-2½, Cat D 1000-3.
[2]Cat A, B 900-2, Cat C 900-2½, Cat D 1000-3.
[3]Cat C 900-2½, Cat D 1000-3.

PONTIAC, MI
OAKLAND COUNTY INTL (PTK)..... **ILS or LOC Rwy 9R[1]**
RNAV (GPS) Rwy 9R
RNAV (GPS) Rwy 27L
LOC BC Rwy 27L[1]
NA when local weather not available.
[1]NA 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 5[1]**
ILS or LOC Rwy 23
NA when control tower closed.
[1]NA when local weather not available.

SAGINAW COUNTY/H W BROWNE (HYX)..... **RNAV (GPS) Rwy 10[1]**
RNAV (GPS) Rwy 28
VOR/DME-A[1]
Cat C 900-2½.
[1]NA 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.

NAME — ALTERNATE MINIMUMS

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)..... **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.

TRAVERSE CITY, MI
CHERRY CAPITAL (TVC)..... **ILS or LOC Rwy 10[12]**
ILS or LOC Rwy 28[13]
RNAV (GPS) Rwy 10[4]
RNAV (GPS) Rwy 18[5]
RNAV (GPS) Rwy 28[5]
RNAV (GPS) Rwy 36[5]
NA when local weather not available.
[1]NA when control tower closed.
[2]LOC Cat A, B 1100-2, Cat C, D 1100-3.
[3]LOC Cat A, B 900-2, Cat C 900-2½, Cat D 1100-3.
[4]Cat A, B, C, D 1200-4.
[5]Cat 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 9[12]**
RNAV (GPS) Rwy 27[3]
[1]NA when local weather not available.
[2]Cat C 800-2¼, Cat D 900-2¾.
[3]Cat D 900-2¾.

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