

INSTRUMENT APPROACH PROCEDURE CHARTS

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, SDF, ASR, RNAV (GPS) and RNAV (RNP).

NAME

ALTERNATE MINIMUMS

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 7²
RNAV (GPS) Rwy 25²
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 6¹
VOR Rwy 24¹
NA when local weather not available.
¹Cat D 900-2½.

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 23R¹
RNAV (GPS) Rwy 5L
RNAV (GPS) Rwy 23R
NA when local weather not available.
¹NA 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
Cat C 1000-2¾, Cat D 1100-3.
NA when local weather not available.

30 OCT 2025 to 27 NOV 2025

30 OCT 2025 to 27 NOV 2025

NAME ALTERNATE MINIMUMS

BENTON HARBOR, MI

SOUTHWEST MICHIGAN

RGNL (BEH).....RNAV (GPS) Rwy 10

Cat D 800-2¼.

BIG RAPIDS, MI

ROBEN-HOOD (RQB).....RNAV (GPS) Rwy 27

Cat D 900-2¾.

NA when local weather not available.

CADILLAC, MI

WEXFORD COUNTY (CAD)....RNAV (GPS) Rwy 7

RNAV (GPS) Rwy 25

Cat D 800-2½.

NA when local weather not available.

CARO, MI

TUSCOLA AREA (CFS).....RNAV (GPS) Rwy 6¹

RNAV (GPS) Rwy 24¹

VOR-A²

NA when local weather not available.

¹Cat C 900-2¾.

²Cat A, B 900-2, Cat C 900-2¾.

CHARLEVOIX, MI

CHARLEVOIX MUNI (CVX)....RNAV (GPS) Rwy 9

RNAV (GPS) Rwy 27

Cat D 800-2¼.

NA when local weather not available.

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.

NAME

ALTERNATE MINIMUMS

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 900-2¾.

²Cat D 900-2¾.

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 800-2¾.

²Cat D 800-2¾.

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

RNAV (GPS) Rwy 1²

RNAV (GPS) Rwy 10²

RNAV (GPS) Rwy 19²

RNAV (GPS) Rwy 28²

LOC BC Rwy 28²

VOR Rwy 1²

NA when local weather not available.

¹LOC Cat D 900-2¾.

²Cat D 900-2¾.

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
¹LOC Cat D 800-2¼.

²NA when control tower closed.

³Cat D 800-2¼.

⁴NA when local weather not available.

NAME **ALTERNATE MINIMUMS**
FRANKFORT, MI

FRANKFORT DOW MEML

FLD (FKS).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33

Cat B 900-2, Cat C 900-2½.

NA when local weather not available.

FREMONT, MI

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

Cat D 800-2½.

NA when local weather not available.

GAYLORD, MI

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

Cat D 800-2½.

NA when local weather not available.

GRAND RAPIDS, MI

GERALD 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 17²
¹NA when control tower closed.

²NA when local weather not available.

GRAYLING, MI

GRAYLING AAF (GOV).....RNAV (GPS) Rwy 14

Cat D 900-2½.

NA when local weather not available.

HANCOCK, MI

HOUGHTON COUNTY

MEML (CMX).....ILS or LOC Rwy 32¹²
RNAV (GPS) Rwy 7³⁴
RNAV (GPS) Rwy 14³⁴
RNAV (GPS) Rwy 25³⁴
RNAV (GPS) Rwy 32³⁴
LOC BC Rwy 14³⁴
VOR Rwy 25³⁴
¹LOC Cat D 800-2½.

²LOC NA when local weather not available.

³Cat D 800-2½.

⁴NA when local weather not available.

HARBOR SPRINGS, MI

HARBOR

SPRINGS (MGN).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

Cat B 900-2.

NA when local weather not available.

NAME
ALTERNATE MINIMUMS
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

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.

IRONWOOD, MI

GOGEBIC/IRON

COUNTY (IWD).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
VOR Rwy 9

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

NA when local weather not available.

JACKSON, MI

JACKSON 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 17

NA when local weather not available.

NAME

ALTERNATE MINIMUMS

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.

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.

NAME

ALTERNATE MINIMUMS

SOUTH HAVEN, MI

SOUTH HAVEN AREA

RGNL (LWA).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23

Cat C 800-2¼, Cat D 800-2½.

NA when local weather not available.

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
NDB Rwy 19
NDB Rwy 24

Cat D 800-2¼.

NA when local weather not available.

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 10¹²³**
ILS or LOC Rwy 28²³⁴
RNAV (GPS) Rwy 10⁵
RNAV (GPS) Rwy 18³⁶
RNAV (GPS) Rwy 28³⁶
RNAV (GPS) Rwy 36³⁶

¹LOC Cat A, B 1100-2, Cat C, D 1100-3.

²NA when control tower closed.

³NA when local weather not available.

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

¹Cat C 800-2¼, Cat D 900-2¼.

²NA when local weather not available.

³Cat D 900-2¼.