

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).....	RNAV (GPS) Rwy 1
NA 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 23R ¹³
	NDB Rwy 23R ²
	RADAR-1 ²
	RNAV (GPS) Rwy 5L ³
	RNAV (GPS) Rwy 23R ³
	RNAV (GPS) Rwy 31 ³
¹ NA when control tower closed.	
² NA when Kalamazoo control tower closed.	
³ NA 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, 900-2%. ⁴	

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

BIG RAPIDS, MI	
ROBEN-HOOD (RQB).....	RNAV (GPS) Rwy 27 ¹
	VOR/DME-A ²
NA when local weather not available.	
¹ Category D, 900-2%.	
² Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2%.	

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

CARO, MI
TUSCOLA AREA (CFS).....NAV (GPS) Rwy 6
RNAV (GPS) Rwy 24
VOR/DME-A
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.

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 15²
ILS or LOC Rwy 33¹
NDB Rwy 15²
RNAV (GPS) Rwy 15²
RNAV (GPS) Rwy 33²

¹ILS, 700-2.
²NA when local weather not available.

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

NAME ALTERNATE MINIMUMS

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.
¹Category A, B, 1000-2; Category C, 1000-2¼;
Category D, 1000-3.
²Category A, B, 900-2; Category C, 900-2¼;
Category D, 900-2¼.

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

ESCANABA, MI
DELTA COUNTY (ESC).....ILS or LOC Rwy 9^{1,3}
LOC/DME BC Rwy 27²
RNAV (GPS) Rwy 9²
RNAV (GPS) Rwy 27²
RNAV (GPS) Rwy 36^{2,3}
VOR Rwy 36²

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 9¹
ILS or LOC Rwy 27^{1,2}
RADAR-1¹
RNAV (GPS) Rwy 27²
VOR Rwy 36³

¹NA when control tower closed.
²NA when local weather not available.
³Category D, 800-2¼.

FRANKFORT, MI
FRANKFORT DOW MEMORIAL
FIELD (FKS).....RNAV (GPS) Rwy 15¹
RNAV (GPS) Rwy 33¹
VOR/DME-A²

NA when local weather not available.
¹Category C, 900-2¼.
²Categories A, B, 900-2; Category C, 900-2¼.

FREMONT, MI
FREMONT MUNI (FFX).....RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36
NA when local weather not available.

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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.

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 13²³
RNAV (GPS) Rwy 7³
RNAV (GPS) Rwy 13²⁴
RNAV (GPS) Rwy 25²⁴
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.

NAME ALTERNATE MINIMUMS

HOWELL, MI

LIVINGSTON COUNTY SPENCER
J HARDY (OZW).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
VOR Rwy 31

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/DME Rwy 9

NA when local weather not available.
Category A, B, 900-2; Category C, 900-2½;
Category D, 1000-3.

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 5²
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 23²

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.

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LAPEER, MIDUPONT-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.

MACKINAC ISLAND, MIMACKINAC
ISLAND (MCD).....RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 26
VOR/DME-A

NA when local weather not available.

MANISTEE, MIMANISTEE CO-
BLACKER (MBL).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28
VOR Rwy 10NA when local weather not available
Category D, 800-2¼.**MANISTIQUE, MI**SCHOOLCRAFT
COUNTY (ISQ).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28
VOR Rwy 28

NA when local weather not available.

MARQUETTE, MISAWYER INTL (SAW).....ILS or LOC Rwy 1¹
RNAV (GPS) Rwy 1²
RNAV (GPS) Rwy 19²¹LOC, NA.²NA when local weather not available.**MARSHALL, MI**BROOKS FIELD (RMY).....RNAV (GPS) Rwy 28
VOR/DME-A

NA when local weather not available.

MASON, MIMASON JEWETT
FIELD (TEW).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.

NAME ALTERNATE MINIMUMS

MENOMINEE, MIMENOMINEE-MARINETTE
TWIN COUNTY (MNM).....RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21¹
RNAV (GPS) Rwy 32¹
VOR-A¹

NA when local weather not available.

¹Category D, 900-2¾.**MIDLAND, MI**JACK BARSTOW (IKW).....RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24
VOR-A

NA when local weather not available.

MONROE, MICUSTER (TTF).....RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21
VOR Rwy 21

NA when local weather not available.

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

NA when local weather not available.

MUSKEGON, MIMUSKEGON
COUNTY (MKG).....ILS or LOC Rwy 24¹
ILS or LOC Rwy 32¹
LOC BC Rwy 14¹
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 24

NA when local weather not available.

¹NA when control tower closed.**NEWBERRY, MI**LUCE COUNTY (ERY).....RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 29

NA when local weather not available.

OSCODA, MIOSCODA-
WURTSMITH (OSC).....RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24

NA when local weather not available.

OWOSSO, MIOWOSSO
COMMUNITY (RNP).....VOR/DME Rwy 29

NA when local weather not available.

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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.

PONTIAC, MI

OAKLAND COUNTY
INTL (PTK).....**ILS or LOC Rwy 9R¹²**
LOC BC Rwy 27L¹
RNAV (GPS) Rwy 9R³
RNAV (GPS) Rwy 27L³
VOR Rwy 9R³
VOR Rwy 27L³

¹NA when control tower closed.

²ILS, Categories A, B, C, D, 700-2.

³NA when local weather not available.

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, 900-2½.

³NA when local weather not available.

NAME ALTERNATE MINIMUMS

SAULT STE MARIE, MI

CHIPPEWA COUNTY
INTL (CIU).....**ILS or LOC Rwy 16¹**
RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 28
RNAV (GPS) Rwy 34

NA when local weather not available.

¹ILS, Category E, 600-2; LOC, Category E, 800-2.

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 D, 900-2¾.

SPARTA, MI

PAUL C MILLER-
SPARTA (8D4).....**RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25
VOR-A

NA when local weather not available.

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.

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TRAVERSE CITY, MI

CHERRY

CAPITAL (TVC).....**ILS or LOC Rwy 28**¹³
RNAV (GPS) Rwy 10²
RNAV (GPS) Rwy 18⁴
RNAV (GPS) Rwy 28⁴
RNAV (GPS) Rwy 36⁴
VOR-A³

NA when local weather not available.

¹NA when control tower closed.

²Categories A, B, 1200-2; Categories C, D, 1200-3.

³Categories A, B, 900-2; Category C, 900-2½;

Category D, 1100-3.

⁴Category C, 900-2½; Category D, 1100-3.

WEST BRANCH, MI

WEST BRANCH

COMMUNITY (Y31).....**RNAV (GPS) Rwy 9**¹
RNAV (GPS) Rwy 27

NA when local weather not available.

¹Category C, 800-2¼; Category D, 800-2½.

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