

INSTRUMENT APPROACH PROCEDURE CHARTS

 **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	NAME	ALTERNATE MINIMUMS
<b>ADRIAN, MI</b> LENAAWEE COUNTY (ADG).....	<b>RNAV (GPS) Rwy 5</b> <b>RNAV (GPS) Rwy 23</b> NA when local weather not available.	<b>BEAVER ISLAND, MI</b> BEAVER ISLAND (SJX).....	<b>RNAV (GPS) Rwy 27</b> NA when local weather not available.
<b>ALMA, MI</b> GRATIOT COMMUNITY (AMN).....	<b>RNAV (GPS) Rwy 9</b> <b>RNAV (GPS) Rwy 27</b> NA when local weather not available.	<b>BELLAIRE, MI</b> ANTRIM COUNTY (ACB).....	<b>RNAV (GPS) Rwy 2</b> NA when local weather not available. Category C, 1000-2½; Category D, 1100-3.
<b>ALPENA, MI</b> ALPENA COUNTY RGNL (APN).....	<b>ILS or LOC Rwy 1<sup>1</sup></b> <b>RNAV (GPS) Rwy 1<sup>2</sup></b>  <sup>1</sup> NA when control tower closed. <sup>2</sup> NA when local weather not available.	<b>BENTON HARBOR, MI</b> SOUTHWEST MICHIGAN RGNL (BEH).....	<b>RNAV (GPS) Rwy 10</b> <b>VOR Rwy 28</b>  Category D, 800-2¼.
<b>ANN ARBOR, MI</b> ANN ARBOR MUNI (ARB).....	<b>RNAV (GPS) Rwy 6</b> <b>RNAV (GPS) Rwy 24</b> <b>VOR Rwy 6<sup>1</sup></b> <b>VOR Rwy 24<sup>1</sup></b> NA when local weather not available. <sup>1</sup> Category D, 900-2½.	<b>BIG RAPIDS, MI</b> ROBEN-HOOD (RQB).....	<b>RNAV (GPS) Rwy 27</b> NA when local weather not available. Category D, 900-2¼.
<b>BAD AXE, MI</b> HURON COUNTY MEML (BAX).....	<b>RNAV (GPS) Rwy 4</b> <b>RNAV (GPS) Rwy 17</b> <b>RNAV (GPS) Rwy 22</b> <b>RNAV (GPS) Rwy 35</b> NA when local weather not available.	<b>CADILLAC, MI</b> WEXFORD COUNTY (CAD).....	<b>RNAV (GPS) Rwy 7</b> <b>RNAV (GPS) Rwy 25</b> NA when local weather not available. Category D, 800-2½.
<b>BATTLE CREEK, MI</b> BATTLE CREEK EXEC AT KELLOGG FLD (BTL).....	<b>ILS or LOC Rwy 23R<sup>1</sup></b> <b>RNAV (GPS) Rwy 5L</b> <b>RNAV (GPS) Rwy 23R</b> NA when local weather not available. <sup>1</sup> NA when control tower closed.	<b>CHARLEVOIX, MI</b> CHARLEVOIX MUNI (CVX).....	<b>RNAV (GPS) Rwy 9</b> NA when local weather not available.
		<b>CHEBOYGAN, MI</b> CHEBOYGAN COUNTY (SLH).....	<b>RNAV (GPS) Rwy 10</b> <b>RNAV (GPS) Rwy 28</b> <b>VOR Rwy 10</b> NA when local weather not available.

16 JUN 2022 to 14 JUL 2022

16 JUN 2022 to 14 JUL 2022

NAME ALTERNATE MINIMUMS

**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<sup>1</sup>  
ILS or LOC Rwy 33<sup>1</sup>  
RNAV (GPS) Rwy 15<sup>23</sup>  
RNAV (GPS) Rwy 33<sup>2</sup>

<sup>1</sup>LOC, Category D, 900-2 $\frac{1}{4}$ .  
<sup>2</sup>Category D, 900-2 $\frac{1}{4}$ .  
<sup>3</sup>NA when local weather not available.

WILLOW

RUN (YIP).....ILS or LOC Rwy 5R<sup>1</sup>  
ILS or LOC Rwy 23L<sup>2</sup>  
RNAV (GPS) Rwy 5R<sup>4</sup>  
RNAV (GPS) Rwy 9<sup>34</sup>  
RNAV (GPS) Rwy 23L<sup>4</sup>  
VOR-A<sup>4</sup>

<sup>1</sup>ILS Category D, 700-2 $\frac{1}{4}$ ; LOC, Category D, 800-2 $\frac{1}{4}$ .  
<sup>2</sup>ILS, Category D, 700-2 $\frac{1}{4}$ .  
<sup>3</sup>NA when local weather not available.  
<sup>4</sup>Category D, 800-2 $\frac{1}{4}$ .

**DETROIT/GROSSE ILE, MI**

GROSSE ILE  
MUNI (ONZ).....NDB Rwy 4<sup>1</sup>  
RNAV (GPS) Rwy 4<sup>2</sup>  
RNAV (GPS) Rwy 22<sup>2</sup>  
VOR-A<sup>2</sup>

NA when local weather not available.  
<sup>1</sup>Categories A, B, 1000-2; Category C, 1000-2 $\frac{1}{4}$ ; Category D, 1000-3.  
<sup>2</sup>Categories A, B, 900-2; Category C, 900-2 $\frac{1}{2}$ ; Category D, 900-2 $\frac{1}{4}$ .

**ESCANABA, MI**

DELTA COUNTY (ESC).....ILS or LOC Rwy 9<sup>13</sup>  
LOC/DME BC Rwy 27<sup>2</sup>  
RNAV (GPS) Rwy 1<sup>23</sup>  
RNAV (GPS) Rwy 9<sup>2</sup>  
RNAV (GPS) Rwy 19<sup>23</sup>  
RNAV (GPS) Rwy 27<sup>2</sup>  
VOR Rwy 1<sup>23</sup>

<sup>1</sup>ILS, Category C, 700-2; Category D, 900-2 $\frac{1}{4}$ .  
LOC, Category D, 900-2 $\frac{1}{4}$ .  
<sup>2</sup>Category D, 900-2 $\frac{1}{4}$ .  
<sup>3</sup>NA when local weather not available.

NAME ALTERNATE MINIMUMS

**FLINT, MI**

BISHOP  
INTL (FNT).....ILS or LOC Rwy 9<sup>12</sup>  
ILS or LOC Rwy 27<sup>12</sup>  
RNAV (GPS) Rwy 9<sup>3</sup>  
RNAV (GPS) Rwy 18<sup>34</sup>  
RNAV (GPS) Rwy 27<sup>3</sup>  
RNAV (GPS) Rwy 36<sup>3</sup>  
VOR Rwy 18<sup>3</sup>  
VOR Rwy 36<sup>3</sup>

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>LOC, Category D, 800-2 $\frac{1}{4}$ .  
<sup>3</sup>Category D, 800-2 $\frac{1}{4}$ .  
<sup>4</sup>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.  
Category B, 900-2; Category C, 900-2 $\frac{1}{4}$ .

**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 9  
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 26L<sup>1</sup>  
ILS or LOC Rwy 35<sup>1</sup>  
RADAR-1<sup>1</sup>  
RNAV (GPS) Rwy 8L<sup>2</sup>  
RNAV (GPS) Rwy 17<sup>2</sup>  
VOR Rwy 17<sup>2</sup>

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>NA when local weather not available.

**GRAYLING, MI**

GRAYLING AAF (GOV).....RNAV (GPS) Rwy 14  
NA when local weather not available.  
Category D, 900-2 $\frac{1}{2}$ .

16 JUN 2022 to 14 JUL 2022

16 JUN 2022 to 14 JUL 2022

NAME ALTERNATE MINIMUMS

**HANCOCK, MI**

HOUGHTON COUNTY  
MEML (CMX).....**ILS or LOC Rwy 31<sup>1</sup>**  
**LOC BC Rwy 13<sup>3</sup>**  
**RNAV (GPS) Rwy 7<sup>23</sup>**  
**RNAV (GPS) Rwy 13<sup>24</sup>**  
**RNAV (GPS) Rwy 25<sup>24</sup>**  
**VOR Rwy 25<sup>23</sup>**

<sup>1</sup>LOC, Category D, 800-2½.  
<sup>2</sup>NA when local weather not available.  
<sup>3</sup>Category D, 800-2½.  
<sup>4</sup>Category 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  
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**  
**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; Categories C, D, 1000-3.

NAME ALTERNATE MINIMUMS

**JACKSON, MI**

JACKSON COUNTY-REYNOLDS  
FLD (JXN).....**ILS or LOC Rwy 25<sup>1</sup>**  
**RNAV (GPS) Rwy 7**

NA when local weather not available.  
<sup>1</sup>NA when tower closed.

**KALAMAZOO, MI**

KALAMAZOO/BATTLE CREEK  
INTL (AZO).....**ILS or LOC Rwy 35<sup>12</sup>**  
**RADAR-1<sup>1</sup>**  
**RNAV (GPS) Rwy 17<sup>3</sup>**  
**VOR Rwy 35<sup>3</sup>**

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>ILS, Category C, D, 700-2.  
<sup>3</sup>NA when local weather not available.

**LANSING, MI**

CAPITAL REGION  
INTL (LAN).....**ILS or LOC Rwy 10R<sup>1</sup>**  
**ILS or LOC Rwy 28L<sup>2</sup>**  
**RNAV (GPS) Rwy 6<sup>3</sup>**  
**RNAV (GPS) Rwy 10R<sup>3</sup>**  
**RNAV (GPS) Rwy 24<sup>3</sup>**  
**RNAV (GPS) Rwy 28L<sup>3</sup>**

<sup>1</sup>ILS, Category C, 800-2; Category D, 900-3;  
<sup>2</sup>LOC, Category D, 900-3.  
<sup>3</sup>LOC, Category D, 900-3.  
<sup>3</sup>Category 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.

**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 28<sup>1</sup>**  
**RNAV (GPS) Rwy 10<sup>2</sup>**  
**RNAV (GPS) Rwy 28<sup>2</sup>**

NA when local weather not available  
<sup>1</sup>LOC, Category C, 800-2½; Category D, 900-3.  
<sup>2</sup>Category C, 800-2½; Category D, 900-2½.

16 JUN 2022 to 14 JUL 2022

16 JUN 2022 to 14 JUL 2022

NAME ALTERNATE MINIMUMS

**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  
VOR-A

NA when local weather not available.  
Category 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.

**MOUNT PLEASANT, MI**

MOUNT PLEASANT MUNI (MOP).....RNAV (GPS) Rwy 9<sup>1</sup>  
RNAV (GPS) Rwy 27<sup>1</sup>  
VOR Rwy 27<sup>2</sup>

NA when local weather not available.  
<sup>1</sup>Category D, 1000-3.  
<sup>2</sup>Categories C, D, 1000-3.

**MUSKEGON, MI**

MUSKEGON COUNTY (MKG).....ILS or LOC Rwy 24<sup>1</sup>  
ILS or LOC Rwy 32<sup>1</sup>  
RNAV (GPS) Rwy 6<sup>2</sup>  
RNAV (GPS) Rwy 14<sup>2</sup>  
RNAV (GPS) Rwy 24<sup>2</sup>  
RNAV (GPS) Rwy 32<sup>2</sup>

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>NA when local weather not available.

NAME ALTERNATE MINIMUMS

**NEWBERRY, MI**

LUCE COUNTY (ERY).....RNAV (GPS) Rwy 11  
RNAV (GPS) Rwy 29

NA when local weather not available.  
Category 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 32<sup>1</sup>  
RNAV (GPS) Rwy 5<sup>2</sup>  
RNAV (GPS) Rwy 23<sup>3</sup>  
RNAV (GPS) Rwy 32<sup>3</sup>  
VOR Rwy 23<sup>3</sup>

NA when local weather not available.  
<sup>1</sup>LOC, Category C, 900-2½; Category D, 1000-3.  
<sup>2</sup>Categories A, B, 900-2; Category C, 900-2½; Category D, 1000-3.  
<sup>3</sup>Category C, 900-2½; Category D, 1000-3.

**PONTIAC, MI**

OAKLAND COUNTY INTL (PTK).....ILS or LOC Rwy 9R<sup>1</sup>  
LOC BC Rwy 27L<sup>1</sup>  
RNAV (GPS) Rwy 9R  
RNAV (GPS) Rwy 27L

NA when local weather not available.  
<sup>1</sup>NA 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 5<sup>1</sup>  
ILS or LOC Rwy 23<sup>1</sup>  
VOR Rwy 14<sup>2</sup>

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>NA for NON-DME equipped aircraft when control tower closed.

SAGINAW COUNTY H W BROWNE (HYX).....RNAV (GPS) Rwy 10<sup>1</sup>  
RNAV (GPS) Rwy 28  
VOR/DME-A<sup>1</sup>

Category C, 900-2½.  
<sup>1</sup>NA when local weather not available.

16 JUN 2022 to 14 JUL 2022

16 JUN 2022 to 14 JUL 2022

22139

NAME ALTERNATE MINIMUMS

NAME ALTERNATE MINIMUMS

**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

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.

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

**STURGIS, MI**

KIRSCH MUNI (IRS)

.....**NDB Rwy 18**  
**NDB Rwy 24**  
**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.

**TRAVERSE CITY, MI**

CHERRY

CAPITAL (TVC).....**ILS or LOC Rwy 28<sup>123</sup>**  
**RNAV (GPS) Rwy 10<sup>4</sup>**  
**RNAV (GPS) Rwy 18<sup>15</sup>**  
**RNAV (GPS) Rwy 28<sup>15</sup>**  
**RNAV (GPS) Rwy 36<sup>15</sup>**  
**VOR-A<sup>16</sup>**

<sup>1</sup>NA when local weather not available.

<sup>2</sup>NA when control tower closed.

<sup>3</sup>ILS, LOC, Categories A, B, 900-2; Category C, 900-2½; Category D, 1100-3.

<sup>4</sup>Categories A, B, 1200-2; Categories C, D, 1200-3.

<sup>5</sup>Category C, 900-2½; Category D, 1100-3.

<sup>6</sup>Categories A, B, 900-2; Category C, 900-2½;

Category D, 1100-3.

**WEST BRANCH, MI**

WEST BRANCH

COMMUNITY (Y31).....**RNAV (GPS) Rwy 9<sup>12</sup>**  
**RNAV (GPS) Rwy 27<sup>3</sup>**

<sup>1</sup>NA when local weather not available.

<sup>2</sup>Category C, 800-2¼; Category D, 800-2½.

<sup>3</sup>Category D, 900-2¼.

16 JUN 2022 to 14 JUL 2022

16 JUN 2022 to 14 JUL 2022

22139

M5