

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**  
 LENA WEE  
 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 1<sup>1</sup>  
   RNAV (GPS) Rwy 1<sup>2</sup>  
<sup>1</sup>NA when control tower closed.  
<sup>2</sup>NA when local weather not available.

**ANN ARBOR, MI**  
 ANN ARBOR  
 MUNI (ARB).....RNAV (GPS) Rwy 6  
   RNAV (GPS) Rwy 24  
   VOR Rwy 6<sup>1</sup>  
   VOR Rwy 24<sup>1</sup>  
 NA when local weather not available.  
<sup>1</sup>Category D, 900-2½.

**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.

**BATTLE CREEK, MI**  
 BATTLE CREEK EXEC AT KELLOGG  
 FLD (BTL).....ILS or LOC Rwy 23R<sup>1</sup>  
   RNAV (GPS) Rwy 5L  
   RNAV (GPS) Rwy 23R  
 NA when local weather not available.  
<sup>1</sup>NA when control tower closed.

**NAME** ALTERNATE MINIMUMS  
**BEAVER ISLAND, MI**  
 BEAVER  
 ISLAND (SJV).....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 C, 1000-2¾; Category D, 1100-3.

**BENTON HARBOR, MI**  
 SOUTHWEST MICHIGAN  
 RGNL (BEH).....RNAV (GPS) Rwy 10  
   VOR Rwy 28  
 Category D, 800-2¾.

**BIG RAPIDS, MI**  
 ROBEN-HOOD (RQB).....RNAV (GPS) Rwy 27  
 NA when local weather not available.  
 Category D, 900-2¾.

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

**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.

27 JAN 2022 to 24 FEB 2022

27 JAN 2022 to 24 FEB 2022

NAME ALTERNATE MINIMUMS

**COLDWATER, MI**

BRANCH COUNTY  
MEML (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 15<sup>1</sup>  
ILS or LOC Rwy 33<sup>1</sup>  
RNAV (GPS) Rwy 15<sup>2</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 $\frac{1}{4}$ .

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>3,4</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 $\frac{1}{4}$ ; Category D, 900-2 $\frac{1}{4}$ .

**ESCANABA, MI**

DELTA COUNTY (ESC).....ILS or LOC Rwy 9<sup>1,3</sup>  
LOC/DME BC Rwy 27<sup>2</sup>  
RNAV (GPS) Rwy 1<sup>2,3</sup>  
RNAV (GPS) Rwy 9<sup>2</sup>  
RNAV (GPS) Rwy 19<sup>2,3</sup>  
RNAV (GPS) Rwy 27<sup>2</sup>  
VOR Rwy 1<sup>2,3</sup>

<sup>1</sup>ILS, Category C, 700-2; Category D, 900-2 $\frac{1}{4}$ .  
<sup>2</sup>LOC, Category D, 900-2 $\frac{1}{4}$ .  
<sup>3</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>1,2</sup>  
ILS or LOC Rwy 27<sup>1,2</sup>  
RNAV (GPS) Rwy 9<sup>3</sup>  
RNAV (GPS) Rwy 18<sup>3,4</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 $\frac{1}{4}$ .  
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 $\frac{1}{4}$ .

27 JAN 2022 to 24 FEB 2022

27 JAN 2022 to 24 FEB 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, 800-2¼.  
<sup>2</sup>NA when local weather not available.  
<sup>3</sup>Category D, 800-2¼.  
<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, 800-2¼; Category D, 900-3.  
<sup>2</sup>Category C, 800-2¼; Category D, 900-2¼.

27 JAN 2022 to 24 FEB 2022

27 JAN 2022 to 24 FEB 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 FIELD (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.

**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).....ILS or LOC Rwy 28<sup>1</sup>  
RNAV (GPS) Rwy 10<sup>23</sup>  
RNAV (GPS) Rwy 28<sup>2</sup>  
VOR/DME-A<sup>23</sup>

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

27 JAN 2022 to 24 FEB 2022

27 JAN 2022 to 24 FEB 2022

22027

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)

.....**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, 900-2¼; Category D, 1100-3.

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

<sup>5</sup>Category C, 900-2¼; Category D, 1100-3.

<sup>6</sup>Categories A, B, 900-2; Category C, 900-2¼; 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.

27 JAN 2022 to 24 FEB 2022

27 JAN 2022 to 24 FEB 2022