

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).....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 (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, 900-2¾.

**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.

**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.

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**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 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, 900-2¼.

<sup>2</sup>Category D, 900-2¼.

WILLOW  
RUN (YIP).....ILS or LOC Rwy 5R<sup>1</sup>  
ILS or LOC Rwy 23L<sup>2</sup>  
RNAV (GPS) Rwy 5L<sup>3,4</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, 700-2¼; LOC, Category D, 800-2¼.

<sup>2</sup>ILS, Category D, 700-2¼.

<sup>3</sup>NA when local weather not available.

<sup>4</sup>Category D, 800-2¼.

**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, 1000-2¾; Category D, 1000-3.

<sup>2</sup>Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¼.

**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, 900-2¾.

<sup>2</sup>LOC, Category D, 900-2¾.

<sup>3</sup>Category D, 900-2¼.

<sup>13</sup>NA when local weather not available.

**A** ALTERNATE MINS

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**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 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, 800-2¼.

<sup>3</sup>Category D, 800-2¼.

**FRANKFORT, MI**

FRANKFORT DOW MEML  
FLD (FKS).....RNAV (GPS) Rwy 15  
RNAV (GPS) Rwy 33

NA when local weather not available.

Category C, 900-2¼.

**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, 800-2¼.

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.

**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, 900-2¼.

NAME ALTERNATE MINIMUMS

**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.

**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.

**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>13</sup>  
RADAR-1<sup>1</sup>  
RNAV (GPS) Rwy 17<sup>2</sup>

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

NAME ALTERNATE MINIMUMS

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

NA when local weather not available

<sup>1</sup>Category C, 800-2¼; Category D, 900-2¾.

<sup>2</sup>Category D, 800-2¼.

**MANISTIQUE, MI**

SCHOOLCRAFT  
COUNTY (ISQ).....RNAV (GPS) Rwy 10  
RNAV (GPS) Rwy 28

NA when local weather not available.

**MARSHALL, MI**

BROOKS  
FIELD (RMY).....RNAV (GPS) Rwy 28  
VOR/DME-A

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.

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**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  
 RNAV (GPS) Rwy 27  
 VOR Rwy 27

NA when local weather not available.

**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.

**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.

NAME ALTERNATE MINIMUMS

**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>ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.

<sup>2</sup>Categories A,B, 900-2; Category C, 900-2½; Category D, 900-2¾.

<sup>3</sup>Category D, 800-2¼.

**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>23</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.

**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

FIELD (ANJ).....RNAV (GPS) Rwy 14  
 RNAV (GPS) Rwy 32  
 VOR Rwy 32

NA when local weather not available.

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**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, 900-2½; 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.

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