

## 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	NAME	ALTERNATE MINIMUMS
<b>ADRIAN, MI</b> LENAWEE COUNTY (ADG).....	<b>RNAV (GPS) Rwy 5</b> <b>RNAV (GPS) Rwy 23</b>	<b>BEAVER ISLAND, MI</b> BEAVER ISLAND (SJJ).....	<b>RNAV (GPS) Rwy 27</b> NA when local weather not available.
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>	<b>BELLAIRE, MI</b> ANTRIM COUNTY (ACB).....	<b>RNAV (GPS) Rwy 2</b> NA when local weather not available. Category D, 900-2½.
NA when local weather not available.			
<b>ALPENA, MI</b> ALPENA COUNTY RGNL (APN).....	<b>RNAV (GPS) Rwy 1</b>	<b>BENTON HARBOR, MI</b> SOUTHWEST MICHIGAN RGNL (BEH).....	<b>RNAV (GPS) Rwy 10</b> <b>VOR Rwy 28</b>
NA when local weather not available.		NA when local weather not available.	
<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</b> <b>VOR Rwy 24</b>	<b>BIG RAPIDS, MI</b> ROBEN-HOOD (RQB).....	<b>RNAV (GPS) Rwy 27<sup>1</sup></b> <b>VOR/DME-A<sup>2</sup></b>
NA when local weather not available.		NA when local weather not available. <sup>1</sup> Category D, 900-2½. <sup>2</sup> Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2½.	
<b>BAD AXE, MI</b> HURON COUNTY MEMORIAL (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>	<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.		NA when local weather not available.	
<b>BATTLE CREEK, MI</b> W K KELLOGG (BTL).....	<b>ILS or LOC Rwy 23R<sup>13</sup></b> <b>NDB Rwy 23R<sup>3</sup></b> <b>RADAR-1<sup>2</sup></b> <b>RNAV (GPS) Rwy 5L<sup>3</sup></b> <b>RNAV (GPS) Rwy 23R<sup>3</sup></b>	<b>CHARLEVOIX, MI</b> CHARLEVOIX MUNI (CVX).....	<b>RNAV (GPS) Rwy 9</b> NA when local weather not available.
<sup>1</sup> NA when control tower closed. <sup>2</sup> NA when Kalamazoo control tower closed. <sup>3</sup> 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.	

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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.

DETROIT METROPOLITAN WAYNE  
COUNTY (DTW).....ILS Z or LOC Rwy 4L  
ILS, Categories A, B, C, D, 700-2.

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, 1000-2¼; 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>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 27<sup>2</sup>  
VOR Rwy 1<sup>2,3</sup>

<sup>1</sup>ILS, Category C, 700-2; Category D, 900-2¼.

LOC, Category D, 900-2¼.

<sup>2</sup>Category D, 900-2¼.

<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>  
RADAR-1<sup>1</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 MEMORIAL  
FIELD (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 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>1,2</sup>  
RADAR-1<sup>1</sup>  
VOR Rwy 17<sup>3</sup>

<sup>1</sup>NA when control tower closed.

<sup>2</sup>ILS, Categories A, B, C, 700-2; Category D, 700-2¼. LOC, Category D, 800-2¼.

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

**GRAYLING, MI**

GRAYLING AAF (GOV).....RNAV (GPS) Rwy 14  
NA when local weather not available.

NAME ALTERNATE MINIMUMS

**HANCOCK, MI**

HOUGHTON COUNTY  
MEMORIAL (CMX).....**ILS or LOC Rwy 31<sup>1</sup>**  
**LOC/DME BC Rwy 13<sup>2,3</sup>**  
**RNAV (GPS) Rwy 7<sup>3</sup>**  
**RNAV (GPS) Rwy 13<sup>2,4</sup>**  
**RNAV (GPS) Rwy 25<sup>2,4</sup>**  
**RNAV (GPS) Rwy 31<sup>3</sup>**  
**VOR Rwy 25<sup>3</sup>**

<sup>1</sup>ILS, 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.

**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.

**HOWELL, MI**

LIVINGSTON COUNTY SPENCER  
J HARDY (OZW).....**RNAV (GPS) Rwy 13**  
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; Category C, 900-2½;  
Category D, 1000-3.

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**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 35<sup>1,3</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.

**LANSING, MI**

CAPITAL REGION  
INTL (LAN).....**ILS or LOC Rwy 10R<sup>1</sup>**  
**ILS or LOC Rwy 28L<sup>1</sup>**  
**RNAV (GPS) Rwy 28L<sup>2</sup>**  
<sup>1</sup>ILS, Category C, 800-2; Category D, 900-3; LOC,  
Category D, 900-3.  
<sup>2</sup>Category D, 900-3.

**LAPEER, MI**

DUPONT-LAPEER (D95).....**RNAV (GPS) Rwy 18**  
**RNAV (GPS) Rwy 36**  
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 CO-  
BLACKER (MBL).....**RNAV (GPS) Rwy 10**  
**RNAV (GPS) Rwy 28**  
**VOR Rwy 10**  
NA when local weather not available  
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.

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**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  
RNAV (GPS) Rwy 27  
VOR Rwy 27  
NA when local weather not available.

**MUSKEGON, MI**

MUSKEGON  
COUNTY (MKG).....ILS or LOC Rwy 24  
ILS or LOC Rwy 32  
NA when control tower closed.

**NEWBERRY, MI**

LUCE  
COUNTY (ERY).....RNAV (GPS) Rwy 11  
RNAV (GPS) Rwy 29  
NA when local weather not available.

**OWOSSO, MI**

OWOSSO  
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 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, 900-2¼.

<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>2</sup>  
RNAV (GPS) Rwy 28<sup>2</sup>  
VOR/DME-A<sup>3</sup>

<sup>1</sup>ILS, LOC, Category C, 900-2½.

<sup>2</sup>Category C, 900-2¼.

<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.

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**SAULT STE MARIE, MI (CON'T)**

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 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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