



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

**ABERDEEN, SD**

ABERDEEN  
RGNL (ABR) ..... RNAV (GPS) Rwy 13<sup>1</sup>  
RNAV (GPS) Rwy 17<sup>2</sup>  
RNAV (GPS) Rwy 31<sup>1</sup>  
RNAV (GPS) Rwy 35<sup>2</sup>  
VOR Rwy 31<sup>1</sup>  
VOR/DME Rwy 13<sup>1</sup>

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

<sup>2</sup>Category D, 900-2½.

**AITKIN, MN**

AITKIN MUNI-STEVE KURTZ  
FIELD (AIT) ..... RNAV (GPS) Rwy 16  
RNAV (GPS) Rwy 34  
NA when local weather not available.

**ALBERT LEA, MN**

ALBERT LEA  
MUNI (AEL) ..... RNAV (GPS) Rwy 17  
RNAV (GPS) Rwy 35  
VOR RWY 17  
VOR/DME RWY 35

NA when local weather not available.

**ALEXANDRIA, MN**

CHANDLER  
FIELD (AXN) ..... RNAV (GPS) Rwy 22  
RNAV (GPS) Rwy 31  
NA when local weather not available.

**APPLETON, MN**

APPLETON  
MUNI (AQP) ..... RNAV (GPS) Rwy 13  
NA when local weather not available.

**AUSTIN, MN**

AUSTIN MUNI (AUM) ..... RNAV (GPS) Rwy 17<sup>1</sup>  
RNAV (GPS) Rwy 35

NA when local weather not available.

<sup>1</sup>Category D, 800-2½.

NAME ALTERNATE MINIMUMS

**BAUDETTE, MN**

BAUDETTE INTL (BDE) .... RNAV (GPS) Rwy 12<sup>1</sup>  
RNAV (GPS) Rwy 30<sup>1</sup>  
VOR/DME Rwy 12

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

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

**BEMIDJI, MN**

BEMIDJI RGNL (BJI) ..... RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 25  
RNAV (GPS) Rwy 31

NA when local weather not available.

**BENSON, MN**

BENSON MUNI (BBB) ..... RNAV (GPS) Rwy 14  
RNAV (GPS) Rwy 32  
NA when local weather not available.

**BIGFORK, MN**

BIGFORK MUNI (FOZ) ..... RNAV (GPS) Rwy 15  
RNAV (GPS) Rwy 33  
NA when local weather not available.

**BISMARCK, ND**

BISMARCK MUNI (BIS) ..... ILS or LOC Rwy 13<sup>1</sup>  
ILS or LOC Rwy 31<sup>2</sup>  
RADAR-1

NA when control tower closed.

<sup>1</sup>ILS, Categories A, B, C, 800-2; Category D 800-2½. LOC, Category D 800-2½.

<sup>2</sup>ILS, Categories A, B, C, D, 700-2.

**BOWMAN, ND**

BOWMAN RGNL (BWW) .... RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 31  
NA when local weather not available.

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**NAME** ALTERNATE MINIMUMS  
**EVELETH, MN**  
 EVELETH-VIRGINIA  
 MUNI (EVM).....RNAV (GPS) Rwy 27<sup>1</sup>  
 VOR/DME-A<sup>2</sup>

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

**FAIRMONT, MN**  
 FAIRMONT MUNI (FRM).... RNAV (GPS) Rwy 13  
 RNAV (GPS) Rwy 31  
 NA when local weather not available.

**FARGO, ND**  
 HECTOR INTL (FAR) ..... ILS or LOC Rwy 18<sup>1</sup>  
 ILS or LOC Rwy 36<sup>1</sup>  
 RNAV (GPS) Rwy 9<sup>3</sup>  
 RNAV (GPS) Rwy 18<sup>2</sup>  
 RNAV (GPS) Rwy 27<sup>3</sup>  
 RNAV (GPS) Rwy 36<sup>2</sup>  
 VOR Rwy 36<sup>2</sup>

<sup>1</sup>ILS, Category C, 700-2; Category D, 800-2½;  
 Category E, 800-2½. LOC, Category D,  
 800-2½; Category E, 800-2½.  
<sup>2</sup>Category D, 800-2½, Category E, 800-2½.  
<sup>3</sup>Category D, 800-2½.

**FARIBAULT, MN**  
 FARIBAULT MUNI (FBL) .... RNAV (GPS) Rwy 12  
 RNAV (GPS) Rwy 30  
 NA when local weather not available.

**FERGUS FALLS, MN**  
 FERGUS FALLS MUNI-EINAR MICKELSON  
 FIELD (FFM) ..... ILS or LOC Rwy 31<sup>1</sup>  
 RNAV (GPS) Rwy 13<sup>2</sup>  
 RNAV (GPS) Rwy 31<sup>2</sup>  
 RNAV (GPS) Rwy 35

NA when local weather not available.  
<sup>1</sup>ILS, Category D, 700-2½. LOC, Category D,  
 800-2½.  
<sup>2</sup>Category D, 800-2½.

**FOSSTON, MN**  
 FOSSTON  
 MUNI (FSE)..... NDB Rwy 34<sup>1</sup>  
 RNAV (GPS) Rwy 16  
 RNAV (GPS) Rwy 34

NA when local weather not available.  
<sup>1</sup>Category C, 800-2½.

**GLENCOE, MN**  
 GLENCOE  
 MUNI (GYL) ..... RNAV (GPS) Rwy 13  
 RNAV (GPS) Rwy 31  
 NA when local weather not available.

**NAME** ALTERNATE MINIMUMS  
**GLENWOOD, MN**  
 GLENWOOD  
 MUNI (GHW)..... RNAV (GPS) Rwy 15  
 RNAV (GPS) Rwy 33  
 NA when local weather not available.

**GRAND FORKS, ND**  
 GRAND FORKS  
 INTL (GFK)..... ILS or LOC Rwy 35L<sup>12</sup>  
 LOC BC Rwy 17R<sup>13</sup>  
 RNAV (GPS) Rwy 9L<sup>3</sup>  
 RNAV (GPS) Rwy 17R<sup>3</sup>  
 RNAV (GPS) Rwy 27R<sup>3</sup>  
 RNAV (GPS) Rwy 35L<sup>3</sup>  
 VOR Rwy 17R<sup>3</sup>  
 VOR Rwy 35L<sup>3</sup>

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>ILS, Category E, 700-2½. LOC, Category E,  
 800-2½.  
<sup>3</sup>NA when local weather not available.

**GRAND MARAIS, MN**  
 GRAND MARAIS/  
 COOK COUNTY (CKC) ..... RNAV (GPS) Rwy 10  
 RNAV (GPS) Rwy 28  
 Category D, 900-2½.

**GRAND RAPIDS, MN**  
 GRAND RAPIDS/ITASCA COUNTY-GORDON  
 NEWSTROM FIELD (GPZ) ...ILS or LOC Rwy 34  
 RNAV (GPS) Rwy 16  
 RNAV (GPS) Rwy 34  
 VOR Rwy 34  
 NA when local weather not available.

**GRANITE FALLS, MN**  
 GRANITE FALLS MUNI/LENZEN-ROE-FAGEN  
 MEMORIAL FIELD (GDB) .. RNAV (GPS) Rwy 33  
 NA when local weather not available.

**GWINNER, ND**  
 GWINNER-ROGER MELROE  
 FIELD (GWR)..... RNAV (GPS) Rwy 16  
 RNAV (GPS) Rwy 34  
 NA when local weather not available.  
 Category D, 800-2½.

**HALLOCK, MN**  
 HALLOCK MUNI (HCO)..... RNAV (GPS) Rwy 13  
 RNAV (GPS) Rwy 31  
 NA when local weather not available.

**HETTINGER, ND**  
 HETTINGER  
 MUNI (HEI)..... RNAV (GPS) Rwy 12  
 RNAV (GPS) Rwy 30  
 Category D, 800-2½.

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**MAPLE LAKE, MN**  
 MAPLE LAKE MUNI-BILL MAVENCAMP  
 SR FIELD (MGG)..... **RNAV (GPS) Rwy 28**  
**VOR-A**

NA when local weather not available.

**MARSHALL, MN**  
 SOUTHWEST MINNESOTA RGNL MARSHALL/  
 RYAN FIELD (MML) ..... **RNAV (GPS) Rwy 12**  
**RNAV (GPS) Rwy 30**  
**VOR Rwy 12**

NA when local weather not available.

**MINNEAPOLIS, MN**  
 AIRLAKE (LVN)..... **RNAV (GPS) Rwy 12**  
**RNAV (GPS) Rwy 30**  
**VOR Rwy 12<sup>1</sup>**

NA when local weather not available.

<sup>1</sup>Category D, 800-2¼.

ANOKA COUNTY-BLAINE AIRPORT  
 (JANES FIELD)  
 (ANE)..... **ILS or LOC/DME Rwy 27**  
**RNAV (GPS) Rwy 9**  
**RNAV (GPS) Rwy 18**  
**RNAV (GPS) Rwy 27**  
**VOR Rwy 9**

NA when local weather not available.

CRYSTAL (MIC)..... **RNAV (GPS) Rwy 14L**  
 NA when local weather not available.

FLYING CLOUD  
 (FCM) ..... **COPTER ILS or LOC Rwy 10R<sup>1</sup>**  
**ILS or LOC Rwy 10R<sup>12</sup>**  
**RNAV (GPS) Rwy 10L**  
**RNAV (GPS) Rwy 10R**  
**RNAV (GPS) Rwy 28L**  
**RNAV (GPS) Rwy 28R**  
**RNAV (GPS) Rwy 36**  
**VOR Rwy 10R**  
**VOR/DME Rwy 36**

NA when local weather not available.

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

<sup>2</sup>Category D, 700-2.

NAME ALTERNATE MINIMUMS  
**MINNEAPOLIS, MN (CON'T)**  
 MINNEAPOLIS-ST. PAUL INTL/WOLD-  
 CHAMBERLAIN (MSP)..... **ILS or LOC Rwy 12L<sup>1</sup>**  
**ILS or LOC Rwy 12R<sup>1</sup>**  
**ILS or LOC Rwy 30L<sup>2</sup>**  
**ILS or LOC Rwy 30R<sup>2</sup>**  
**ILS Z or LOC Rwy 35<sup>2</sup>**  
**LOC Rwy 4<sup>4</sup>**  
**LOC Rwy 17<sup>3</sup>**  
**LOC Rwy 22<sup>4</sup>**  
**RNAV (GPS) Rwy 4<sup>4</sup>**  
**RNAV (GPS) Rwy 22<sup>4</sup>**  
**RNAV (GPS) Z Rwy 12L<sup>4</sup>**  
**RNAV (GPS) Z Rwy 12R<sup>4</sup>**  
**RNAV (GPS) Z Rwy 30L<sup>4</sup>**  
**RNAV (GPS) Z Rwy 30R<sup>4</sup>**  
**RNAV (GPS) Z Rwy 35<sup>4</sup>**

<sup>1</sup>ILS, Category C, 700-2; Category D, 900-2¾; Category E, 1000-3; LOC, Category D, 900-2¾; Category E, 1000-3.

<sup>2</sup>ILS, Category C, 700-2; Category D, 900-2¾; Category E, 1000-3; LOC, Category D, 900-2¾; Category E, 1000-3.

<sup>3</sup>Category D, 900-2¾.

<sup>4</sup>Category D, 900-2¾; Category E, 1000-3.

**MINOT, ND**  
 MINOT INTL (MOT) ..... **ILS or LOC Rwy 31<sup>12</sup>**  
**LOC/DME BC Rwy 13<sup>1</sup>**  
**RNAV (GPS) Rwy 8**  
**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 26**  
**RNAV (GPS) Rwy 31**  
**VOR Rwy 8<sup>3</sup>**  
**VOR Rwy 26<sup>4</sup>**

NA when local weather not available.

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

<sup>2</sup>Category E, 1100-3.

<sup>3</sup>Categories A, B, 1100-2; Categories C, D, 1100-3.

<sup>4</sup>Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

**MITCHELL, SD**  
 MITCHELL MUNI (MHE)..... **RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 18**  
**RNAV (GPS) Rwy 31**  
**RNAV (GPS) Rwy 36**  
**VOR Rwy 13**

NA when local weather not available.

**MOBRIDGE, SD**  
 MOBRIDGE MUNI (MBG) .. **RNAV (GPS) Rwy 12**  
**RNAV (GPS) Rwy 30**

NA when local weather not available

Category D, 900-2¾.

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NAME ALTERNATE MINIMUMS  
**REDWOOD FALLS, MN**  
 REDWOOD FALLS  
 MUNI (RWF) ..... **RNAV (GPS) Rwy 30**  
**VOR-A**  
 Category D, 800-2½.  
 NA when local weather not available.

**ROCHESTER, MN**  
 ROCHESTER  
 INTL (RST) ..... **ILS or LOC Rwy 13**  
**ILS or LOC Rwy 31**  
**COPTER ILS or LOC Rwy 31**  
 NA when control tower closed.

**ROLLA, ND**  
 ROLLA MUNI (06D) ..... **RNAV (GPS) Rwy 32**  
 NA when local weather not available.  
 Category D, 900-2¼.

**ROSEAU, MN**  
 ROSEAU MUNI/RUDY BILLBERG  
 FIELD (ROX) ..... **RNAV (GPS) Rwy 16**  
**RNAV (GPS) Rwy 34**  
 NA when local weather not available.

**RUGBY, ND**  
 RUGBY MUNI (RUG) ..... **RNAV (GPS) Rwy 12**  
**RNAV (GPS) Rwy 30**  
 NA when local weather not available.

**RUSH CITY, MN**  
 RUSH CITY  
 RGNL (ROS) ..... **RNAV (GPS) Rwy 34**  
 NA when local weather not available.

**ST. CLOUD, MN**  
 ST. CLOUD  
 RGNL (STC) ..... **ILS or LOC/DME Rwy 13<sup>12</sup>**  
**RNAV (GPS) Rwy 5**  
**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 23**  
**RNAV (GPS) Rwy 31**  
**VOR Rwy 31<sup>2</sup>**  
 NA when local weather not available.  
<sup>1</sup>ILS, Categories A, B, C, D, 700-2.  
<sup>2</sup>NA when control tower closed.

**ST. JAMES, MN**  
 ST. JAMES  
 MUNI (JYG) ..... **RNAV (GPS) Rwy 15**  
**RNAV (GPS) Rwy 33**  
 NA when local weather not available.

NAME ALTERNATE MINIMUMS  
**ST. PAUL, MN**  
 LAKE ELMO (21D) ..... **NDB Rwy 4<sup>1</sup>**  
**RNAV (GPS) Rwy 32**  
 NA when local weather not available.  
<sup>1</sup>Categories A, B, 900-2; Category C 900-2½.

**ST. PAUL DOWNTOWN HOLMAN**  
 FIELD (STP) ..... **ILS or LOC Rwy 14<sup>12</sup>**  
**ILS or LOC Rwy 32<sup>13</sup>**  
**RNAV (GPS) Rwy 14<sup>3</sup>**  
**RNAV (GPS) Rwy 32<sup>4</sup>**  
<sup>1</sup>NA when local weather not available.  
<sup>2</sup>ILS, LOC, Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¼.  
<sup>3</sup>Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¼.  
<sup>4</sup>Categories A, B, C, 900-2½; Category D, 900-2¼.

**SAUK CENTRE, MN**  
 SAUK CENTRE  
 MUNI (D39) ..... **RNAV (GPS) Rwy 14**  
**RNAV (GPS) Rwy 32**  
 NA when local weather not available.

**SILVER BAY, MN**  
 SILVER BAY  
 MUNI (BFW) ..... **RNAV (GPS) Rwy 25**  
 NA when local weather not available.

**SIoux FALLS, SD**  
 JOE FOSS  
 FIELD (FSD) ..... **ILS or LOC Rwy 3<sup>12</sup>**  
**ILS or LOC Rwy 21<sup>13</sup>**  
**RADAR-1<sup>4</sup>**  
**VOR or TACAN Rwy 15<sup>5</sup>**  
**VOR/DME or TACAN Rwy 33<sup>4</sup>**  
**RNAV (GPS) Rwy 15<sup>6</sup>**  
**RNAV (GPS) Rwy 33<sup>6</sup>**  
<sup>1</sup>NA when control tower closed.  
<sup>2</sup>ILS, Category D, 700-2.  
<sup>3</sup>ILS, Categories A, B, C, D, 700-2.  
<sup>4</sup>Category E, 800-2¼.  
<sup>5</sup>Category E, 900-3.  
<sup>6</sup>Category C, 800-2¼; Category D, 800-2½.

**SLAYTON, MN**  
 SLAYTON MUNI (DVP) ..... **RNAV (GPS) Rwy 17**  
**RNAV (GPS) Rwy 35**  
 NA when local weather not available.

**SOUTH ST. PAUL, MN**  
 SOUTH ST. PAUL MUNI-RICHARD E  
 FLEMING FIELD (SGS) ..... **RNAV (GPS) Rwy 34**  
 Category D, 800-2½.  
 NA when local weather not available.

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NAME	ALTERNATE MINIMUMS	NAME	ALTERNATE MINIMUMS
<b>WINONA, MN</b>			
WINONA MUNI-MAX CONRAD			
FLD (ONA) .....	<b>ILS Y or LOC Y Rwy 30<sup>12</sup></b>		
	<b>ILS Z or LOC Z Rwy 30<sup>12</sup></b>		
	<b>RNAV (GPS) Rwy 12<sup>3</sup></b>		
	<b>RNAV (GPS) Rwy 30<sup>1</sup></b>		

<sup>1</sup>NA when local weather not available.  
<sup>2</sup>ILS, LOC, Categories A, B, 1000-2; Category C, 1200-3; Category D, 1400-3.  
<sup>3</sup>Categories A, B, 1000-2; Category C, 1200-3; Category D, 1400-3.

**WORTHINGTON, MN**

WORTHINGTON	
MUNI (OTG) .....	<b>RNAV (GPS) Rwy 11<sup>2</sup></b>
	<b>RNAV (GPS) Rwy 18<sup>2</sup></b>
	<b>RNAV (GPS) Rwy 29<sup>2</sup></b>
	<b>RNAV (GPS) Rwy 36<sup>2</sup></b>
	<b>VOR Rwy 11<sup>1</sup></b>
	<b>VOR Rwy 18<sup>2</sup></b>

<sup>1</sup>Category D, 800-2½.  
<sup>2</sup>NA when local weather not available.

**YANKTON, SD**

CHAN GURNEY	
MUNI (YKN) .....	<b>RNAV (GPS) Rwy 13</b>
	<b>RNAV (GPS) Rwy 31</b>
	<b>VOR Rwy 13</b>

NA when local weather not available.

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