



INSTRUMENT APPROACH PROCEDURE CHARTS



IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability.

NA designation on the approach chart means that pilots may not use that approach as an alternate due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Approaches with the NA designation are not listed in this section. A designation on the approach chart indicates that the approach procedure has non-standard minimums (for aircraft other than helicopters) or restrictions (for all users) for its use as an alternate.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	<b>600-2</b>	<b>800-2</b>
Non-Standard or restrictions	As indicated below	As indicated below
Helicopters	For the selected approach: Ceiling: 200' above published ceiling Visibility: the greater of 1 SM visibility or the published visibility	
US Military (USA/USN/USAF)	See Service Regulations	

Note: For alternate airport flight planning purposes, precision approach operations include: ILS, PAR, and GLS, and Non-Precision approach operations include: NDB, VOR, LOC, TACAN, LDA, SDF, ASR, RNAV (GPS) and RNAV (RNP).

NAME ALTERNATE MINIMUMS

ABERDEEN, SD

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

<sup>1</sup>LOC, Category D, 900-2½.  
<sup>2</sup>Category D, 900-2½.

AITKIN, MN

AITKIN MUNI/STEVE KURTZ  
 FLD (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<sup>1</sup>**  
                                       **VOR Rwy 35<sup>2</sup>**

NA when local weather not available.  
<sup>1</sup>Category C, 800-2¼, Category D, 800-2½.  
<sup>2</sup>Category D, 800-2½.

NAME ALTERNATE MINIMUMS

ALEXANDRIA, MN

CHANDLER  
 FLD (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.  
 Category C, 900-2½.

AUSTIN, MN

AUSTIN  
 MUNI (AUM).....**RNAV (GPS) Rwy 17**  
                                       **RNAV (GPS) Rwy 35**  
 NA when local weather not available.

BAUDETTE, MN

BAUDETTE  
 INTL (BDE).....**RNAV (GPS) Rwy 12**  
                                       **RNAV (GPS) Rwy 30<sup>1</sup>**  
 NA when local weather not available.  
<sup>1</sup>Categories A, B, C, D, 900-4.



NAME ALTERNATE MINIMUMS

**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 33

NA when local weather not available.

**BISMARCK, ND**

BISMARCK  
MUNI (BIS).....ILS or LOC Rwy 13<sup>12</sup>  
ILS or LOC Rwy 31<sup>12</sup>  
RADAR-1<sup>13</sup>  
RNAV (GPS) Rwy 3<sup>3</sup>  
RNAV (GPS) Rwy 13<sup>3</sup>  
RNAV (GPS) Rwy 21<sup>3</sup>  
RNAV (GPS) Rwy 31<sup>3</sup>  
VOR-A<sup>3</sup>

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

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

<sup>3</sup>Category C, 800-2¼, Category D, 800-2½.

**BOWMAN, ND**

BOWMAN  
RGNL (BWW).....RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 31

NA when local weather not available.

**BRAINERD, MN**

BRAINERD LAKES  
RGNL (BRD).....ILS or LOC Rwy 23<sup>1</sup>  
RNAV (GPS) Rwy 5  
RNAV (GPS) Rwy 23  
RNAV (GPS) Rwy 34

NA when local weather not available.

<sup>1</sup>Category D, 700-2.

**BRITTON, SD**

BRITTON MUNI (BTN).....RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 31

NA when local weather not available.

**BROOKINGS, SD**

BROOKINGS  
RGNL (BKK).....RNAV (GPS) Rwy 12  
RNAV (GPS) Rwy 30

NA when local weather not available.

Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

**BUFFALO, MN**

BUFFALO  
MUNI (CFE).....VOR-A  
NA when local weather not available.

**CAMBRIDGE, MN**

CAMBRIDGE  
MUNI (CBG).....RNAV (GPS) Rwy 16  
RNAV (GPS) Rwy 34

NA when local weather not available.

**CANBY, MN**

MYERS FLD (CNB).....RNAV (GPS) Rwy 12  
RNAV (GPS) Rwy 30

NA when local weather not available.

Category D, 800-2½.

**CARRINGTON, ND**

CARRINGTON  
MUNI (46D).....RNAV (GPS) Rwy 31

NA when local weather not available.

**CAVALIER, ND**

CAVALIER  
MUNI (2C8).....RNAV (GPS) Rwy 34

NA when local weather not available.

**CLOQUET, MN**

CLOQUET/CARLTON  
COUNTY (COQ).....RNAV (GPS) Rwy 18  
RNAV (GPS) Rwy 36

NA when local weather not available.

**COOK, MN**

COOK MUNI (CQM).....RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 31

NA when local weather not available.

**CROOKSTON, MN**

CROOKSTON MUNI/KIRKWOOD  
FLD (CKN).....RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 31  
VOR/DME Rwy 13

NA when local weather not available.

**CROSBY, ND**

CROSBY  
MUNI (D50).....RNAV (GPS) Rwy 30

NA when local weather not available.

Category D, 800-2¼.

**DETROIT LAKES, MN**

DETROIT LAKES/WETHING  
FLD (DTL).....RNAV (GPS) Rwy 14  
RNAV (GPS) Rwy 32

NA when local weather not available.

Category D, 800-2½.

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NAME ALTERNATE MINIMUMS

**DEVILS LAKE, ND**

DEVILS LAKE  
RGNL (DVL).....RNAV (GPS) Rwy 3  
RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 21  
RNAV (GPS) Rwy 31

NA when local weather not available.  
Category C, 800-2¼, Category D, 800-2½.

**DICKINSON, ND**

DICKINSON/THEODORE ROOSEVELT  
RGNL (DIK).....RNAV (GPS) Rwy 7  
RNAV (GPS) Rwy 14  
RNAV (GPS) Rwy 25  
RNAV (GPS) Rwy 32  
VOR-A

NA when local weather not available.

**DODGE CENTER, MN**

DODGE CENTER (TOB).....RNAV (GPS) Rwy 16  
RNAV (GPS) Rwy 34  
VOR-A

NA when local weather not available.

**DULUTH, MN**

DULUTH INTL (DLH).....ILS or LOC Rwy 9<sup>1</sup>  
ILS or LOC Rwy 27<sup>1</sup>  
RADAR-1<sup>2</sup>  
RNAV (GPS) Rwy 3<sup>3</sup>  
RNAV (GPS) Rwy 9<sup>2</sup>  
RNAV (GPS) Rwy 21<sup>3</sup>  
RNAV (GPS) Rwy 27<sup>3</sup>  
TACAN Y Rwy 9<sup>4</sup>  
VOR or TACAN Rwy 3<sup>2</sup>  
VOR/DME or TACAN Rwy 21<sup>2</sup>

<sup>1</sup>LOC, Categories D, E, 1000-3.

<sup>2</sup>Categories D, E, 1000-3.

<sup>3</sup>Category D, 1000-3.

<sup>4</sup>Category E, 800-2¼.

SKY HARBOR (DYT).....RNAV (GPS) Rwy 32  
NA when local weather not available.

**ELY, MN**

ELY MUNI (ELO).....RNAV (GPS) Rwy 12  
RNAV (GPS) Rwy 30

NA when local weather not available.  
Category D, 1000-3.

**EVELETH, MN**

EVELETH/VIRGINIA  
MUNI (EVM).....RNAV (GPS) Rwy 27  
VOR-A

NA when local weather not available.  
Category C, 900-2¼; Category D, 1100-3.

NAME ALTERNATE MINIMUMS

**FAIRMONT, MN**

FAIRMONT MUNI (FRM).....RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 31

NA when local weather not available.  
Category C, 900-2¼; Category D, 900-2¼.

**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, 800-2¼;

Category E, 800-2½. LOC, Category D,

800-2¼; Category E, 800-2½.

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

<sup>3</sup>Category D, 800-2¼.

**FARIBAULT, MN**

FARIBAULT MUNI-LIZ WALL STROHFUS  
FLD (FBL).....RNAV (GPS) Rwy 12  
RNAV (GPS) Rwy 30

NA when local weather not available.

**FERGUS FALLS, MN**

FERGUS FALLS MUNI/EINAR MICKELSON  
FLD (FFM).....RNAV (GPS) Rwy 13<sup>1</sup>  
RNAV (GPS) Rwy 31<sup>1</sup>  
RNAV (GPS) Rwy 35

NA when local weather not available.

<sup>1</sup>Category D, 800-2¼.

**FOSSTON, MN**

FOSSTON MUNI/ANDERSON  
FLD (FSE).....RNAV (GPS) Rwy 16  
RNAV (GPS) Rwy 34

NA when local weather not available.

**GLENCOE, MN**

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

**GLENWOOD, MN**

GLENWOOD  
MUNI (GHW).....RNAV (GPS) Rwy 15  
RNAV (GPS) Rwy 33

NA when local weather not available.

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NAME ALTERNATE MINIMUMS

**GRAND FORKS, ND**

GRAND FORKS  
INTL (GFK).....**ILS or LOC Rwy 35L**<sup>12</sup>  
**LOC BC Rwy 17R**<sup>1</sup>  
**RNAV (GPS) Rwy 9L**  
**RNAV (GPS) Rwy 17R**  
**RNAV (GPS) Rwy 27R**  
**VOR Rwy 17R**

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

**GRAND MARAIS, MN**

GRAND MARAIS/ COOK  
COUNTY (CKC).....**RNAV (GPS) Rwy 10**  
**RNAV (GPS) Rwy 28<sup>1</sup>**

Category D, 900-2¼.  
<sup>1</sup>NA when local weather not available.

**GRAND RAPIDS, MN**

GRAND RAPIDS/ITASCA COUNTY-GORDON  
NEWSTROM FLD (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-  
MEML FLD (GDB).....**RNAV (GPS) Rwy 33**  
**VOR/DME 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, 800-2¼.

**HALLOCK, MN**

HALLOCK MUNI (HCO).....**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 31**

NA when local weather not available.

**HAZEN, ND**

MERCER COUNTY  
RGNL (HZE).....**RNAV (GPS) Rwy 15**  
**RNAV (GPS) Rwy 33**

NA when local weather not available.

**HETTINGER, ND**

HETTINGER/JB LINDQUIST  
RGNL (HEI).....**RNAV (GPS) Rwy 12**  
**RNAV (GPS) Rwy 30**

Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

**HIBBING, MN**

RANGE RGNL (HIB).....**ILS OR LOC/DME Rwy 13<sup>1</sup>**  
**RNAV (GPS) Rwy 13<sup>2</sup>**  
**RNAV (GPS) Rwy 31<sup>2</sup>**

<sup>1</sup>ILS, Categories A, B, C, D, 800-2.  
<sup>2</sup>NA when local weather not available.

**HURON, SD**

HURON RGNL (HON).....**ILS or LOC Rwy 12<sup>1</sup>**  
**LOC BC Rwy 30<sup>2</sup>**  
**RNAV (GPS) Rwy 12<sup>2</sup>**  
**RNAV (GPS) Rwy 30<sup>2</sup>**

NA when local weather not available.  
<sup>1</sup>LOC, Category D, 800-2¼.  
<sup>2</sup>Category D, 800-2¼.

**HUTCHINSON, MN**

HUTCHINSON MUNI/BUTLER  
FLD (HCD).....**RNAV (GPS) Rwy 15**  
NA when local weather not available.

**INTERNATIONAL FALLS, MN**

FALLS INTL/EINARSON  
FLD (INL).....**COPTER ILS or LOC Rwy 31**  
**ILS or LOC Rwy 31<sup>1</sup>**  
**RNAV (GPS) Rwy 13<sup>2</sup>**  
**RNAV (GPS) Rwy 31<sup>2</sup>**  
**VOR Rwy 13<sup>2</sup>**  
**VOR Rwy 31<sup>2</sup>**

NA when local weather not available.  
<sup>1</sup>LOC, Category D, 800-2¼.  
<sup>2</sup>Category D, 800-2¼.

**JACKSON, MN**

JACKSON (MJQ).....**RNAV (GPS) Rwy 13**  
NA when local weather not available.

**JAMESTOWN, ND**

JAMESTOWN  
RGNL (JMS).....**RNAV (GPS) Rwy 4**  
**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 22**  
**RNAV (GPS) Rwy 31**  
**VOR Rwy 13**  
**VOR Rwy 31**

Category D, 800 2¼.

**LANGDON, ND**

ROBERTSON  
FLD (D55).....**RNAV (GPS) Rwy 14**  
**RNAV (GPS) Rwy 31<sup>1</sup>**

NA when local weather not available.  
<sup>1</sup>Category C, 800-2¼.

**LONG PRAIRIE, MN**

TODD FLD (14Y).....**RNAV (GPS) Rwy 34**  
NA when local weather not available.

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NAME ALTERNATE MINIMUMS

**LONGVILLE, MN**

LONGVILLE  
MUNI (XVG).....**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 31**

NA when local weather not available.

**LITCHFIELD, MN**

LITCHFIELD  
MUNI (LJF).....**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 31**  
**VOR-A**

NA when local weather not available.  
Category D, 1000-3.

**LITTLE FALLS, MN**

LITTLE FALLS/MORRISON COUNTY-  
LINDBERGH FLD (LXL).....**RNAV (GPS) Rwy 31**

NA when local weather not available.

**LINTON, ND**

LINTON MUNI (7L2).....**RNAV (GPS) Rwy 9**  
**RNAV (GPS) Rwy 27**

NA when local weather not available.

**LUVERNE, MN**

QUENTIN AANENSON  
FLD (LYV).....**RNAV (GPS) Rwy 18**

NA when local weather not available.  
Category C, 1000-2¾; Category D, 1000-3.

**MADISON, MN**

LAC QUI PARLE  
COUNTY (DXX).....**RNAV (GPS) Rwy 14**  
**RNAV (GPS) Rwy 32**

NA when local weather not available

**MADISON, SD**

MADISON MUNI (MDS).....**RNAV (GPS) Rwy 15**  
**RNAV (GPS) Rwy 33**

NA when local weather not available.  
Category D, 800-2¼.

**MAHONOMEN, MN**

MAHONOMEN  
COUNTY (3N8).....**RNAV (GPS) Rwy 17**  
**RNAV (GPS) Rwy 35**

NA when local weather not available

**MANDAN, ND**

MANDAN RGNL/LAWLER  
FLD (Y19).....**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 31**  
**VOR-A**

NA when local weather not available

NAME ALTERNATE MINIMUMS

**MANKATO, MN**

MANKATO RGNL  
(MKT).....**RNAV (GPS) Rwy 4**  
**RNAV (GPS) Rwy 15**  
**RNAV (GPS) Rwy 22**  
**RNAV (GPS) Rwy 33**  
**VOR Rwy 15**

NA when local weather not available.

**MAPLE LAKE, MN**

MAPLE LAKE MUNI-BILL MAVENCAMP  
SR FLD (MGG).....**VOR-A**

NA when local weather not available.

**MARSHALL, MN**

SOUTHWEST MINNESOTA RGNL MARSHALL/  
RYAN FLD (MML).....**RNAV (GPS) Rwy 12**  
**RNAV (GPS) Rwy 30**

NA when local weather not available.

**MINNEAPOLIS, MN**

AIRLAKE (LVN).....**RNAV (GPS) Rwy 12<sup>1</sup>**  
**RNAV (GPS) Rwy 30<sup>2</sup>**  
**VOR Rwy 12<sup>1</sup>**

<sup>1</sup>Category D, 800-2¼.

<sup>2</sup>NA when local weather not available.

ANOKA COUNTY/BLAINE

(JANES FLD) (ANE).....**ILS or LOC Rwy 27**  
**RNAV (GPS) Rwy 27**

NA when local weather not available.

CRYSTAL (MIC).....**RNAV (GPS) Rwy 14**  
**RNAV (GPS) Rwy 32**

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.

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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>3</sup>  
**LOC Rwy 17**<sup>4</sup>  
**LOC Rwy 22**<sup>5</sup>  
**RNAV (GPS) Rwy 4**<sup>3</sup>  
**RNAV (GPS) Rwy 22**<sup>3</sup>  
**RNAV (GPS) Z Rwy 12L**<sup>3</sup>  
**RNAV (GPS) Z Rwy 12R**<sup>3</sup>  
**RNAV (GPS) Z Rwy 30L**<sup>3</sup>  
**RNAV (GPS) Z Rwy 30R**<sup>3</sup>  
**RNAV (GPS) Z Rwy 35**<sup>3</sup>

<sup>1</sup>ILS, Category C, 700-2; Category D, 900-2¼;  
 Category E, 1000-3; LOC, Category D, 900-2¼;  
 Category E, 1000-3.  
<sup>2</sup>ILS, Category C, 700-2; Category D, 900-2¼;  
 Category E, 1000-3; LOC, Category D, 900-2¼;  
 Category E, 1000-3.  
<sup>3</sup>Category D, 900-2¼; Category E, 1000-3.  
<sup>4</sup>Category D, 900-2¼.  
<sup>5</sup>Category D, 800-2½; Category E, 1000-3.

**MINOT, ND**

MINOT INTL (MOT).....**ILS or LOC Rwy 31**<sup>12</sup>  
**LOC BC Rwy 13**<sup>13</sup>  
**RNAV (GPS) Rwy 8**<sup>3</sup>  
**RNAV (GPS) Rwy 13**<sup>3</sup>  
**RNAV (GPS) Rwy 26**<sup>3</sup>  
**RNAV (GPS) Rwy 31**<sup>3</sup>  
**VOR Rwy 8**<sup>4</sup>  
**VOR Rwy 13**<sup>3</sup>  
**VOR Rwy 26**<sup>5</sup>  
**VOR Rwy 31**<sup>3</sup>

NA when local weather not available.  
<sup>1</sup>NA when control tower closed.  
<sup>2</sup>LOC, Categories C, D, E, 1100-3.  
<sup>3</sup>Categories C, D, 1100-3.  
<sup>4</sup>Categories A, B, 1100-2; Categories C, D, 1100-3.  
<sup>5</sup>Categories A, B, 900-2; Categories C, D, 1100-3.

**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, 900-2¼.

NAME ALTERNATE MINIMUMS

**MONTEVIDEO, MN**

MONTEVIDEO-CHIPPEWA  
COUNTY (MVE).....**RNAV (GPS) Rwy 14**  
**RNAV (GPS) Rwy 32**

NA when local weather not available.

**MOORHEAD, MN**

MOORHEAD MUNI/FLORENCE  
KLINGENSMITH FLD (JKJ)...**RNAV (GPS) Rwy 30**<sup>1</sup>  
**VOR-A**<sup>2</sup>

<sup>1</sup>NA when local weather not available.  
<sup>2</sup>Category A, B, 900-2.

**MORA, MN**

MORA MUNI (JMR).....**RNAV (GPS) Rwy 35**  
 NA when local weather not available.  
 Category D, 800-2¼.

**MORRIS, MN**

MORRIS MUNI/CHARLIE SCHMIDT  
FLD (MOX).....**RNAV (GPS) Rwy 14**  
**RNAV (GPS) Rwy 32**

NA when local weather not available.

**ORR, MN**

ORR RGNL (ORB).....**RNAV (GPS) Rwy 13**  
 NA when local weather not available.  
 Category C, 900-2¼.

**ORTONVILLE, MN**

ORTONVILLE MUNI/MARTINSON  
FLD (VVV).....**RNAV (GPS) Rwy 34**  
 NA when local weather not available.

**OWATONNA, MN**

OWATONNA DEGNER  
RGNL (OWA).....**RNAV (GPS) Rwy 12**  
**RNAV (GPS) Rwy 30**<sup>1</sup>

NA when local weather not available.  
<sup>1</sup>Category D, 800-2¼.

**PARK RAPIDS, MN**

PARK RAPIDS MUNI/KONSHOK  
FLD (PKD).....**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 31**

NA when local weather not available.  
 Category D, 1100-3.

**PAYNESVILLE, MN**

PAYNESVILLE  
MUNI (PEX).....**RNAV (GPS) Rwy 11**  
**RNAV (GPS) Rwy 29**

NA when local weather not available.

**PHILIP, SD**

PHILIP (PHP).....**RNAV (GPS) Rwy 12**  
**RNAV (GPS) Rwy 30**  
**VOR-A**

NA when local weather not available.

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NAME ALTERNATE MINIMUMS

**PIERRE, SD**

PIERRE RGNL (PIR).....ILS or LOC Rwy 31<sup>12</sup>  
 RNAV (GPS) Rwy 7<sup>13</sup>  
 RNAV (GPS) Rwy 13<sup>3</sup>  
 RNAV (GPS) Rwy 25<sup>3</sup>  
 RNAV (GPS) Rwy 31<sup>3</sup>  
**VOR/DME or TACAN Rwy 7<sup>13</sup>**  
**VOR or TACAN Rwy 25<sup>13</sup>**

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

<sup>2</sup>LOC, Category D, 800-2¼.

<sup>3</sup>Category D, 800-2¼.

**PINE RIDGE, SD**

PINE RIDGE (IEN).....RNAV (GPS) Rwy 12<sup>1</sup>  
 RNAV (GPS) Rwy 30<sup>2</sup>

<sup>1</sup>Category C, 900-2½.

<sup>2</sup>Categories A, B, 900-2.

**PIPESTONE, MN**

PIPESTONE  
 MUNI (PQN)..... RNAV (GPS) Rwy 18  
 RNAV (GPS) Rwy 36

NA when local weather not available.

**PRESTON, MN**

FILLMORE  
 COUNTY (FKA)..... RNAV (GPS) Rwy 11  
 RNAV (GPS) Rwy 29

NA when local weather not available.

**PRINCETON, MN**

PRINCETON  
 MUNI (PNM)..... RNAV (GPS) Rwy 16  
 RNAV (GPS) Rwy 34

NA when local weather not available.

**RAPID CITY, SD**

RAPID CITY  
 RGNL (RAP).....ILS or LOC Rwy 32<sup>1</sup>  
 RNAV (GPS) Rwy 5<sup>2</sup>  
 RNAV (GPS) Rwy 14<sup>23</sup>  
 RNAV (GPS) Rwy 23<sup>2</sup>  
 RNAV (GPS) Rwy 32<sup>4</sup>  
**VOR or TACAN Rwy 14<sup>24</sup>**  
**VOR or TACAN Rwy 32<sup>24</sup>**

<sup>1</sup>ILS, Categories B, C, 700-2; Category D, 800-2¼; Category E, 800-2¼. LOC, Category D, 800-2¼; Category E, 800-2¼.

<sup>2</sup>NA when local weather not available.

<sup>3</sup>Category D, 800-2¼; Category E, 800-2½.

<sup>4</sup>Category D, 800-2¼; Category E, 800-2¼.

**RAY S. MILLER AAF (KRYM)**

CAMP RILEY, MN.....ILS or LOC Rwy 31

NA when control tower closed.

NAME ALTERNATE MINIMUMS

**RED WING, MN**

RED WING  
 RGNL (RGK).....RNAV (GPS) Rwy 9<sup>1</sup>  
 RNAV (GPS) Rwy 27<sup>2</sup>

NA when local weather not available.

<sup>1</sup>Category C, 900-2½, Category D, 1000-3.

<sup>2</sup>Category C, 900-2½.

**REDWOOD FALLS, MN**

REDWOOD FALLS  
 MUNI (RWF).....RNAV (GPS) Rwy 30  
**VOR-A**

Category D, 800-2¼.

NA when local weather not available.

**ROCHESTER, MN**

ROCHESTER  
 INTL (RST).....ILS or LOC Rwy 13  
 ILS Z or LOC Z Rwy 31  
**COPTER ILS Y or LOC Y Rwy 31**  
**RADAR-1**

NA when control tower closed.

**ROLLA, ND**

ROLLA MUNI/LEONARD  
 KRECH FLD (06D)..... RNAV (GPS) Rwy 32

NA when local weather not available.

Category D, 900-2¼.

**ROSEAU, MN**

ROSEAU MUNI/RUDY BILLBERG  
 FLD (ROX).....RNAV (GPS) Rwy 16  
 RNAV (GPS) Rwy 34

NA when local weather not available.

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

**RUGBY, ND**

RUGBY MUNI (RUG).....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>123</sup>  
 RNAV (GPS) Rwy 5<sup>1</sup>  
 RNAV (GPS) Rwy 13<sup>14</sup>  
 RNAV (GPS) Rwy 23<sup>1</sup>  
 RNAV (GPS) Rwy 31<sup>14</sup>  
**VOR Rwy 31<sup>24</sup>**

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

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

<sup>3</sup>LOC, Category D, 900-2¼.

<sup>4</sup>Category D, 900-2¼.

NAME ALTERNATE MINIMUMS

**ST. JAMES, MN**

ST. JAMES  
MUNI (JYG).....RNAV (GPS) Rwy 15  
RNAV (GPS) Rwy 33

NA when local weather not available.

**ST. PAUL, MN**

LAKE ELMO (21D).....RNAV (GPS) Rwy 32  
NA when local weather not available.

SAINT PAUL DOWNTOWN HOLMAN

FLD (STP).....ILS or LOC Rwy 14<sup>12</sup>  
ILS or LOC Rwy 32<sup>12</sup>  
RNAV (GPS) Rwy 14<sup>3</sup>  
RNAV (GPS) Rwy 32<sup>34</sup>

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

<sup>2</sup>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>NA when local weather not available.

**SAUK CENTRE, MN**

SAUK CENTRE  
MUNI (D39).....RNAV (GPS) Rwy 14  
RNAV (GPS) Rwy 32

NA when local weather not available.

**SIoux FALLS, SD**

JOE FOSS  
FLD (FSD).....ILS or LOC Rwy 3<sup>12</sup>  
ILS or LOC Rwy 21<sup>12</sup>  
RADAR-1<sup>3</sup>  
RNAV (GPS) Rwy 3<sup>45</sup>  
RNAV (GPS) Rwy 15<sup>45</sup>  
RNAV (GPS) Rwy 21<sup>4</sup>  
RNAV (GPS) Rwy 33<sup>45</sup>  
VOR or TACAN Rwy 15<sup>5</sup>  
VOR/DME or TACAN Rwy 33<sup>5</sup>

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

<sup>2</sup>LOC, Category D, 800-2½.

<sup>3</sup>Category E, 800-2¼.

<sup>4</sup>Category D, 800-2½.

<sup>5</sup>NA when local weather not available.

<sup>6</sup>Category D, 800-2½; Category E, 900-3.

**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 FLD (SGS).....RNAV (GPS) Rwy 34  
Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

**SPEARFISH, SD**

BLACK HILLS-  
CLYDE ICE FLD (SPF).....RNAV (GPS) Rwy 13<sup>1</sup>  
RNAV (GPS) Rwy 31<sup>2</sup>

<sup>1</sup>Categories A, B, 1000-4, Category C, 1700-4.

<sup>2</sup>Categories A, B, 1000-2, Category C, 1700-3.

**STANLEY, ND**

STANLEY MUNI (08D).....RNAV (GPS) Rwy 28  
NA when local weather not available.

**STAPLES, MN**

STAPLES MUNI (SAZ).....RNAV (GPS) Rwy 14  
RNAV (GPS) Rwy 32

NA when local weather not available.

**THIEF RIVER FALLS, MN**

THIEF RIVER  
FALLS RGNL (TVF).....ILS or LOC Rwy 31<sup>1</sup>  
RNAV (GPS) Rwy 4<sup>2</sup>  
RNAV (GPS) Rwy 13<sup>23</sup>  
RNAV (GPS) Rwy 22<sup>2</sup>  
RNAV (GPS) Rwy 31<sup>23</sup>  
VOR Y Rwy 13<sup>3</sup>  
VOR Rwy 31<sup>3</sup>

<sup>1</sup>LOC, Category D, 900-2¼.

<sup>2</sup>NA when local weather not available.

<sup>3</sup>Category D, 900-2¼.

**TIOGA, ND**

TIOGA  
MUNI (D60).....RNAV (GPS) Rwy 12  
RNAV (GPS) Rwy 30<sup>1</sup>

Category D, 800-2¼.

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

**TRACY, MN**

TRACY MUNI (TKC).....RNAV (GPS) Rwy 11  
RNAV (GPS) Rwy 29

NA when local weather not available.

**TWO HARBORS, MN**

RICHARD B.  
HELGESON (TWM).....RNAV (GPS) Rwy 6  
RNAV (GPS) Rwy 24

NA when local weather not available.

**VALLEY CITY, ND**

BARNES COUNTY  
MUNI (BAC).....RNAV (GPS) Rwy 13  
RNAV (GPS) Rwy 31

NA when local weather not available.

**WADENA, MN**

WADENA MUNI (ADC).....RNAV (GPS) Rwy 16  
RNAV (GPS) Rwy 34

NA when local weather not available.

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## NAME ALTERNATE MINIMUMS

**WAHPETON, ND**

HARRY

STERN (BWP).....**RNAV (GPS) Rwy 33**  
 NA when local weather not available.  
 Category D, 800-2¼.

**WALHALLA, ND**

WALHALLA MUNI (96D).....**RNAV (GPS) Rwy 33**  
 NA when local weather not available.  
 Category B, 1100-2.

**WALKER, MN**

WALKER MUNI (Y49).....**RNAV (GPS) Rwy 15**  
**RNAV (GPS) Rwy 33**  
 NA when local weather not available.  
 Category C, 800-2¼.

**WARROAD, MN**

WARROAD INTL  
 MEML (RRT).....**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 31**  
 NA when local weather not available.  
 Category C, 900-2¾; Category D, 900-3.

**WASECA, MN**

WASECA MUNI/MAYNARD RICHARD  
 STENSRUD FLD (ACQ).....**RNAV (GPS) Rwy 15**  
**RNAV (GPS) Rwy 33**  
 NA when local weather not available.

**WATERTOWN, SD**

WATERTOWN  
 RGNL (ATY).....**ILS or LOC Rwy 35<sup>1</sup>**  
**RNAV (GPS) Rwy 12<sup>2</sup>**  
**RNAV (GPS) Rwy 17<sup>2</sup>**  
**RNAV (GPS) Rwy 30<sup>2</sup>**  
**RNAV (GPS) Rwy 35<sup>2</sup>**

NA when local weather not available.  
<sup>1</sup>LOC, Category C, 800-2¼; Category D, 800-2½.  
<sup>2</sup>Category C, 800-2¼; Category D, 800-2½.

**WATFORD CITY, ND**

WATFORD CITY  
 MUNI (S25).....**RNAV (GPS) Rwy 30**  
 NA when local weather not available.  
 Category D, 900-2¼.

**WHEATON, MN**

WHEATON MUNI (ETH).....**RNAV (GPS) Rwy 16**  
**RNAV (GPS) Rwy 34**  
 NA when local weather not available.

## NAME ALTERNATE MINIMUMS

**WILLISTON, ND**

WILLISTON BASIN

INTL (XWA).....**RNAV (GPS) Rwy 4**  
**RNAV (GPS) Rwy 14**  
**RNAV (GPS) Rwy 22**  
**RNAV (GPS) Rwy 32**  
**VOR Rwy 14**  
**VOR Rwy 22**  
**VOR Rwy 32**

NA when local weather not available.

**WILLMAR, MN**

WILLMAR MUNI/JOHN L RICE

FLD (BDH).....**RNAV (GPS) Rwy 13<sup>1</sup>**  
**RNAV (GPS) Rwy 31**  
**VOR Rwy 31<sup>1</sup>**

NA when local weather not available.  
<sup>1</sup>Category D, 900-2¾.

**WINDOM, MN**

WINDOM MUNI (MWM).....**RNAV (GPS) Rwy 17**  
**RNAV (GPS) Rwy 35**  
 NA when local weather not available.

**WINNER, SD**

WINNER RGNL (ICR).....**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 31**  
 NA when local weather not available.

**WINONA, MN**

WINONA MUNI-MAX CONRAD

FIELD (ONA).....**RNAV (GPS) Rwy 12<sup>1</sup>**  
**RNAV (GPS) Rwy 30<sup>2</sup>**

<sup>1</sup>Categories A, B, 1000-2; Category C, 1200-3;  
 Category D, 1400-3.

<sup>2</sup>NA when local weather not available.**WORTHINGTON, MN**

WORTHINGTON

MUNI (OTG).....**ILS or LOC Rwy 29<sup>1</sup>**  
**RNAV (GPS) Rwy 11<sup>2</sup>**  
**RNAV (GPS) Rwy 18<sup>2</sup>**  
**RNAV (GPS) Rwy 29<sup>2</sup>**  
**RNAV (GPS) Rwy 36<sup>2</sup>**

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

**YANKTON, SD**

CHAN GURNEY

MUNI (YKN).....**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 31**

NA when local weather not available.  
 Category D, 800-2¼.