

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
<b>ABERDEEN, SD</b>	
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.

<b>AITKIN, MN</b>	
AITKIN MUNI/STEVE KURTZ	
FLD (AIT).....	RNAV (GPS) Rwy 16
	RNAV (GPS) Rwy 34
NA when local weather not available.	

<b>ALBERT LEA, MN</b>	
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.

<b>ALEXANDRIA, MN</b>	
CHANDLER	
FLD (AXN).....	RNAV (GPS) Rwy 22
	RNAV (GPS) Rwy 31
NA when local weather not available.	

<b>APPLETON, MN</b>	
APPLETON	
MUNI (AQP).....	RNAV (GPS) Rwy 13
NA when local weather not available.	
Category C, 900-2½.	

<b>AUSTIN, MN</b>	
AUSTIN	
MUNI (AUM).....	RNAV (GPS) Rwy 17
	RNAV (GPS) Rwy 35
NA when local weather not available.	

NAME	ALTERNATE MINIMUMS
<b>BAUDETTE, MN</b>	
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.	

<b>BEMIDJI, MN</b>	
BEMIDJI	
RGNL (BJI).....	RNAV (GPS) Rwy 13
	RNAV (GPS) Rwy 25
	RNAV (GPS) Rwy 31
NA when local weather not available.	

<b>BENSON, MN</b>	
BENSON	
MUNI (BBB).....	RNAV (GPS) Rwy 14
	RNAV (GPS) Rwy 32
NA when local weather not available.	

<b>BIGFORK, MN</b>	
BIGFORK	
MUNI (FOZ).....	RNAV (GPS) Rwy 33
NA when local weather not available.	

<b>BISMARCK, ND</b>	
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.

<b>BOWMAN, ND</b>	
BOWMAN	
RGNL (BWW).....	RNAV (GPS) Rwy 13
	RNAV (GPS) Rwy 31
NA when local weather not available.	

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## NAME ALTERNATE MINIMUMS

**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.**BROOKINGS, SD**

BROOKINGS

RGNL (BKX).....**RNAV (GPS) Rwy 12**  
**RNAV (GPS) Rwy 30**

NA when local weather not available.

Category D, 800-2¼.

**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.

**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 (KKN).....**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 31**  
**VOR/DME Rwy 13**

NA when local weather not available.

## NAME ALTERNATE MINIMUMS

**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, 800-2¼.

**DEVILS LAKE, ND**

DEVILS LAKE

RGNL (DVL).....**RNAV (GPS) Rwy 3<sup>2</sup>****RNAV (GPS) Rwy 13<sup>2</sup>****RNAV (GPS) Rwy 21<sup>2</sup>****RNAV (GPS) Rwy 31<sup>2</sup>****VOR Rwy 3<sup>1</sup>****VOR Rwy 13<sup>2</sup>****VOR Rwy 31<sup>2</sup>**

NA when local weather not available.

<sup>1</sup>Categories A, B, 900-2; Category C, 900-2½;

Category D, 900-2¾.

<sup>2</sup>Category C, 800-2¼, Category D, 800-2½.**DICKINSON, ND**

DICKINSON/THEODORE ROOSEVELT

RGNL (DIK).....**RNAV (GPS) Rwy 15**  
**RNAV (GPS) Rwy 25**  
**RNAV (GPS) Rwy 33**  
**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>****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.**ELY, MN**

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

NA when local weather not available.

Category D, 1000-3.

## NAME ALTERNATE MINIMUMS

**EVELETH, MN**

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

NA when local weather not available.  
Category C, 900-2¾; Category D, 1100-3.

**FAIRMONT, MN**

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

NA when local weather not available.  
Category C, 900-2½; Category D, 900-2¾.

**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).....**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>LOC, Category D, 800-2½.

<sup>2</sup>Category D, 800-2½.

**FOSSTON, MN**

FOSSTON MUNI-ANDERSON  
FIELD (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.

## 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, 900-2¾.

<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, 800-2½.

**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 14**  
**RNAV (GPS) Rwy 32**

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 2½.

**LANGDON, ND**

ROBERTSON  
FLD (D55).....RNAV (GPS) Rwy 14  
RNAV (GPS) Rwy 32  
NA when local weather not available.

**LONG PRAIRIE, MN**

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

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, 1000-2¼; 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

**MAHNOMEN, MN**

MAHNOMEN  
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.

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.

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.

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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 (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>Categories 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 FIELD (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.

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>13</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, 800-2¾. LOC, Category D, 800-2¼; Category E, 800-2¾.

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

<sup>3</sup>Category D, 800-2½; Category E, 800-2¾.

<sup>4</sup>Category D, 800-2¼; Category E, 800-2¾.

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

CAMP RILEY, MN.....ILS or LOC Rwy 31  
LOC, CAT D, 1000-3.  
NA when control tower closed.

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**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

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  
FLD (ROX).....RNAV (GPS) Rwy 16  
RNAV (GPS) Rwy 34

NA when local weather not available.

**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>  
ILS or LOC Rwy 31<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>125</sup>  
RADAR-1<sup>3</sup>  
RNAV (GPS) Rwy 3<sup>4</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>6</sup>  
VOR/DME or TACAN Rwy 33<sup>6</sup>

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>LOC, Category D, 800-2½ Category E 900-3.  
<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.

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**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.

**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>2,3</sup>  
RNAV (GPS) Rwy 22<sup>2</sup>  
RNAV (GPS) Rwy 31<sup>2,3</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.

**WAHPETON, ND**

HARRY  
STERN (BWP).....RNAV (GPS) Rwy 33  
NA when local weather not available.

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**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, 900-2¼; Category D, 900-3.

**WASECA, MN**

WASECA MUNI (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>1,2</sup>  
LOC BC Rwy 17<sup>1,3</sup>  
RNAV (GPS) Rwy 12<sup>3</sup>  
RNAV (GPS) Rwy 17<sup>1,3</sup>  
RNAV (GPS) Rwy 30<sup>1,3</sup>  
RNAV (GPS) Rwy 35<sup>3</sup>  
VOR or TACAN Rwy 17<sup>1,3</sup>

<sup>1</sup>NA when local weather not available.  
<sup>2</sup>LOC, Category C, 800-2¼; Category D, 800-2½.  
<sup>3</sup>Category C, 800-2¼; Category D, 800-2½.

**WHEATON, MN**

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

**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, 900-2¼.

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**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).....ILS Y or LOC Y Rwy 30<sup>12</sup>  
ILS Z or LOC Z Rwy 30<sup>13</sup>  
RNAV (GPS) Rwy 12<sup>4</sup>  
RNAV (GPS) Rwy 30<sup>1</sup>

<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>LOC, Category A, B, 1000-2; Category C, 1200-3; Category D, 1400-3.

<sup>4</sup>Categories A, B, 1000-2; Category C, 1200-3; Category D, 1400-3.

**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<sup>1</sup>  
RNAV (GPS) Rwy 31<sup>1</sup>  
VOR Rwy 13<sup>2</sup>

NA when local weather not available.

<sup>1</sup>Category D, 800-2¼.

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

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