



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 13¹**
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 31¹
RNAV (GPS) Rwy 35²
VOR Rwy 31¹
VOR/DME Rwy 13¹

¹NA when local weather not available.

²Category D, 900-2 $\frac{1}{4}$.

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 17¹**
RNAV (GPS) Rwy 35

NA when local weather not available.

¹Category D, 800-2 $\frac{1}{4}$.

NAME ALTERNATE MINIMUMS

BAUDETTE, MN

BAUDETTE INTL (BDE) **RNAV (GPS) Rwy 12¹**
RNAV (GPS) Rwy 30¹
VOR/DME Rwy 12

Category C, 800-2 $\frac{1}{4}$; Category D, 800-2 $\frac{1}{2}$.

¹NA 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 13¹**
ILS or LOC Rwy 31²
RADAR-1

NA when control tower closed.

¹ILS, Categories A, B, C, 800-2; Category D 800-2 $\frac{1}{4}$. LOC, Category D 800-2 $\frac{1}{4}$.

²ILS, 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.

17 AUG 2017 to 14 SEP 2017

17 AUG 2017 to 14 SEP 2017





ALTERNATE MINS

17229

M2



NAME ALTERNATE MINIMUMS
BRAINERD, MN

BRAINERD LAKES
RGNL (BRD) **ILS or LOC Rwy 23**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 34
NA when local weather not available.

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 FIELD (CNB) **RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
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 17**
RNAV (GPS) Rwy 35
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
FIELD (CKN) **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR/DME Rwy 31
NA when local weather not available.

NAME ALTERNATE MINIMUMS
DETROIT LAKES, MN

DETROIT LAKES-WETHING
FIELD (DTL) **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
NA when local weather not available.
Category D, 800-2¼.

DEVILS LAKE, ND

DEVILS LAKE
RGNL (DVL) **RNAV (GPS) Rwy 3²**
RNAV (GPS) Rwy 13²
RNAV (GPS) Rwy 21²
RNAV (GPS) Rwy 31²
VOR Rwy 3¹
VOR Rwy 13²
VOR Rwy 31²

NA when local weather not available.
¹Categories A, B, 900-2; Category C, 900-2½;
Category D, 900-2¾.
²Category C, 800-2¼, Category D, 800-2½.

DICKINSON, ND

DICKINSON-THEODORE ROOSEVELT
RGNL (DIK) **ILS or LOC Rwy 31²**
RNAV (GPS) Rwy 14²
RNAV (GPS) Rwy 25²
RNAV (GPS) Rwy 32²
VOR-A²

¹ILS, Category D, 700-2.
²NA 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 9¹**
ILS or LOC Rwy 27¹
RNAV (GPS) Rwy 3²
RNAV (GPS) Rwy 9¹
RNAV (GPS) Rwy 21²
RNAV (GPS) Rwy 27¹
VOR or TACAN Rwy 3¹
VOR/DME or TACAN Rwy 21¹

¹Categories D, E, 1000-3.
²Category D, 1000-3.

ELY, MN

ELY MUNI (ELO) **RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
NA when local weather not available.

17 AUG 2017 to 14 SEP 2017

17 AUG 2017 to 14 SEP 2017



ALTERNATE MINS

17229

M2

NC-1





ALTERNATE MINS

17229

M3



NAME ALTERNATE MINIMUMS
EVELETH, MN
 EVELETH-VIRGINIA
 MUNI (EVM).....**RNAV (GPS) Rwy 27¹**
VOR/DME-A²

¹NA when local weather not available.
²Category 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 18¹**
ILS or LOC Rwy 36¹
RNAV (GPS) Rwy 9³
RNAV (GPS) Rwy 18²
RNAV (GPS) Rwy 27³
RNAV (GPS) Rwy 36²
VOR Rwy 36²

¹ILS, Category C, 700-2; Category D, 800-2½;
 Category E, 800-2½. LOC, Category D,
 800-2½; Category E, 800-2½.
²Category D, 800-2½, Category E, 800-2½.
³Category 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 31¹**
RNAV (GPS) Rwy 13²
RNAV (GPS) Rwy 31²
RNAV (GPS) Rwy 35

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

FOSSTON, MN
 FOSSTON
 MUNI (FSE)..... **NDB Rwy 34¹**
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34

NA when local weather not available.
¹Category 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 35L¹²**
LOC BC Rwy 17R¹³
RNAV (GPS) Rwy 9L³
RNAV (GPS) Rwy 17R³
RNAV (GPS) Rwy 27R³
RNAV (GPS) Rwy 35L³
VOR Rwy 17R³
VOR Rwy 35L³

¹NA when control tower closed.
²ILS, Category E, 700-2½. LOC, Category E,
 800-2½.
³NA 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.

17 AUG 2017 to 14 SEP 2017

17 AUG 2017 to 14 SEP 2017



ALTERNATE MINS

17229

M3

NC-1





ALTERNATE MINS

17229

M4



NAME ALTERNATE MINIMUMS
HIBBING, MN
 RANGE
 RGNL (HIB)..... ILS OR LOC/DME Rwy 13
 ILS, Categories A, B, C, D, 800-2.

HURON, SD
 HURON RGNL (HON) ILS or LOC Rwy 12¹
 LOC/DME BC Rwy 30²
 RNAV (GPS) Rwy 12²
 RNAV (GPS) Rwy 30²
 VOR Rwy 12²

NA when local weather not available.
¹ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.
²Category D, 800-2¼.

HUTCHINSON, MN
 HUTCHINSON MUNI-
 BUTLER FIELD (HCD) RNAV (GPS) Rwy 15
 RNAV (GPS) Rwy 33
 VOR/DME Rwy 33
 NA when local weather not available.

INTERNATIONAL FALLS, MN
 FALLS INTL-EINARSON
 FIELD (INL)..... COPTER ILS or LOC Rwy 31¹
 ILS or LOC/DME Rwy 13,700-2²
 ILS or LOC Rwy 31²
 RNAV (GPS) Rwy 13²
 RNAV (GPS) Rwy 31²
 VOR Rwy 13²³

¹LOC, NA; ILS, NA when local weather not available.
²NA when local weather not available.
³Category D, 800-2¼.

JACKSON, MN
 JACKSON MUNI (MJQ)..... RNAV (GPS) Rwy 13
 RNAV (GPS) Rwy 31
 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 31
 NA when local weather not available.

LANGDON, ND
 ROBERTSON
 FIELD (D55) RNAV (GPS) Rwy 14
 RNAV (GPS) Rwy 32
 NA when local weather not available.

NAME ALTERNATE MINIMUMS
LITCHFIELD, MN
 LITCHFIELD
 MUNI (LJF)..... RNAV (GPS) Rwy 13¹
 RNAV (GPS) Rwy 31¹
 VOR-A¹

Category D, 800-2¼.
¹NA when local weather not available.

LITTLE FALLS, MN
 LITTLE FALLS/MORRISON COUNTY-
 LINDBERGH
 FIELD (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.

MADISON, MN
 LAC QUI PARLE
 COUNTY (DXX) NDB Rwy 32
 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 MUNI (Y19) RNAV (GPS) Rwy 13
 RNAV (GPS) Rwy 31
 VOR-A
 NA when local weather not available

MANKATO, MN
 MANKATO RGNL
 (MKT)..... COPTER ILS or LOC Rwy 33
 ILS or LOC Rwy 33
 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.

17 AUG 2017 to 14 SEP 2017

17 AUG 2017 to 14 SEP 2017



ALTERNATE MINS

17229

M4

NC-1





ALTERNATE MINS

17229

M5



NAME ALTERNATE MINIMUMS
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 12¹

NA when local weather not available.

¹Category D, 800-2¼.

ANOKA COUNTY-BLAINE
 (JANES FIELD)
 (ANE)..... **ILS or LOC 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 10R¹**
ILS or LOC Rwy 10R¹²
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.

¹NA when control tower closed.

²Category D, 700-2.

NAME ALTERNATE MINIMUMS
MINNEAPOLIS, MN (CON'T)
 MINNEAPOLIS-ST. PAUL INTL/WOLD-
 CHAMBERLAIN (MSP)..... **ILS or LOC Rwy 12L¹**
ILS or LOC Rwy 12R¹
ILS or LOC Rwy 30L²
ILS or LOC Rwy 30R²
ILS Z or LOC Rwy 35²
LOC Rwy 4⁴
LOC Rwy 17³
LOC Rwy 22⁴
RNAV (GPS) Rwy 4⁴
RNAV (GPS) Rwy 22⁴
RNAV (GPS) Z Rwy 12L⁴
RNAV (GPS) Z Rwy 12R⁴
RNAV (GPS) Z Rwy 30L⁴
RNAV (GPS) Z Rwy 30R⁴
RNAV (GPS) Z Rwy 35⁴

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

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

³Category D, 900-2¾.

⁴Category D, 900-2¾; Category E, 1000-3.

MINOT, ND
 MINOT INTL (MOT) **ILS or LOC Rwy 31¹²**
LOC/DME BC Rwy 13¹
RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 26
RNAV (GPS) Rwy 31
VOR Rwy 8³
VOR Rwy 26⁴

NA when local weather not available.

¹NA when tower closed.

²Category E, 1100-3.

³Categories A, B, 1100-2; Categories C, D, 1100-3.

⁴Categories 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.

17 AUG 2017 to 14 SEP 2017

17 AUG 2017 to 14 SEP 2017



ALTERNATE MINS

17229

M5

NC-1





ALTERNATE MINS

17229

M6



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 30¹**
 VOR-A²
¹NA when local weather not available.
²Categories 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.

NEW ULM, MN
 NEW ULM MUNI (ULM)..... **RNAV (GPS) Rwy 15**
 RNAV (GPS) Rwy 33
 NA when local weather not available.

ORR, MN
 ORR RGNL (ORB)..... **RNAV (GPS) Rwy 13**
 NA when local weather not available.

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 30¹
 NA when local weather not available.
¹Category D, 800-2¼.

PARK RAPIDS, MN
 PARK RAPIDS MUNI-KONSHOK
 FIELD (PKD) **RNAV (GPS) Rwy 13**
 RNAV (GPS) Rwy 31
 VOR Rwy 13
 NA when local weather not available.
 Category D, 1100-3.

NAME ALTERNATE MINIMUMS
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.

PINE RIDGE, SD
 PINE RIDGE (IEN)..... **RNAV (GPS) Rwy 30**
 NA when local weather not available.
 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.

RAPID CITY, SD
 RAPID CITY
 RGNL (RAP) **ILS or LOC Rwy 32³**
 RNAV (GPS) Rwy 5¹
 RNAV (GPS) Rwy 14¹²
 RNAV (GPS) Rwy 23¹
 RNAV (GPS) Rwy 32⁴
 VOR or TACAN Rwy 14¹²
 VOR or TACAN Rwy 32¹²

¹NA when local weather not available.
²Category E, 800-2¼.
³ILS, Categories B, C, 700-2; Category D, 800-2¼; Category E, 800-2¼. LOC, Category D, 800-2¼; Category E, 800-2¼.
⁴Category D, 800-2¼; Category E, 800-2¼.

RED WING, MN
 RED WING
 RGNL (RGK)..... **RNAV (GPS) Rwy 9¹**
 RNAV (GPS) Rwy 27²
 NA when local weather not available.
¹Category C, 800-2¼, Category D, 800-2¼.
²Category C, 800-2¼.

17 AUG 2017 to 14 SEP 2017

17 AUG 2017 to 14 SEP 2017



ALTERNATE MINS

17229

M6

NC-1





ALTERNATE MINS

17229

M7



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, 900-2¾.

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 13¹²**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 31
VOR Rwy 31²

NA when local weather not available.

¹ILS, Categories A, B, C, D, 700-2.

²NA 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 4¹**
RNAV (GPS) Rwy 32

NA when local weather not available.

¹Categories A, B, 900-2; Category C 900-2½.

ST. PAUL DOWNTOWN HOLMAN
 FIELD (STP) **ILS or LOC Rwy 14¹²**
ILS or LOC Rwy 32¹²
NDB Rwy 31³
RNAV (GPS) Rwy 14⁴
RNAV (GPS) Rwy 32⁴

¹NA when control tower closed.

²ILS, LOC, Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

³Categories A, B, 900-2; Category C, 900-2¾; Category D, 900-3.

⁴Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

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 3¹²**
ILS or LOC Rwy 21¹³
RADAR-1⁴
VOR or TACAN Rwy 15⁵
VOR/DME or TACAN Rwy 33⁴
RNAV (GPS) Rwy 15⁶
RNAV (GPS) Rwy 33⁶

¹NA when control tower closed.

²ILS, Category D, 700-2.

³ILS, Categories A, B, C, D, 700-2.

⁴Category E, 800-2¾.

⁵Category E, 900-3.

⁶Category C, 800-2¾; 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, 800-2¾.
 NA when local weather not available.

17 AUG 2017 to 14 SEP 2017

17 AUG 2017 to 14 SEP 2017



ALTERNATE MINS

17229

M7

NC-1





ALTERNATE MINS

17229

M8



NAME ALTERNATE MINIMUMS

SPEARFISH, SD

BLACK HILLS-
CLYDE ICE FIELD (SPF) **NDB-A¹**
RNAV (GPS) Rwy 13²
RNAV (GPS) Rwy 31³

¹Categories A, B, 1000-2.
²Categories A, B, 900-2, Category C, 1000-2½.
³Categories A, B, 1000-2, Category C, 1000-2½.

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 31¹**
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 31
VOR Rwy 13

NA when local weather not available.
¹ILS, Category C, 800-2; Category D, 900-2½;
LOC, Category D, 900-2½.

TIOGA, ND

TIOGA
MUNI (D60) **RNAV (GPS) Rwy 30**
RNAV (GPS) Rwy 12
NA when local weather not available.
Category D, 800-2½.

TWO HARBORS, MN

RICHARD B.
HELGESON (TWM) **RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24
NA when local weather not available.

VERMILLON, SD

HAROLD DAVIDSON
FIELD (VMR) **RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30
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.

NAME ALTERNATE MINIMUMS

WALKER, MN

WALKER MUNI (Y49) **RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available.
Category C, 800-2½.

WARROAD, MN

WARROAD INTL
MEMORIAL (RRT) **RNAV (GPS) Rwy 13¹**
RNAV (GPS) Rwy 31
NA when local weather not available.
¹Category C, 900-2½; 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) **LOC/DME BC Rwy 17**
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 30
RNAV (GPS) Rwy 35
VOR or TACAN Rwy 17
NA when local weather not available.

WHEATON, MN

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

WILLISTON, ND

SLOULIN FIELD
INTL (ISN) **RNAV (GPS) Rwy 11**
RNAV (GPS) Rwy 29
VOR Rwy 11
NA when local weather not available.

WILLMAR, MN

WILLMAR MUNI-JOHN
L RICE FIELD (BDH) **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR Rwy 31¹
NA when local weather not available.
¹Category D, 800-2½.

WINNER, SD

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

17 AUG 2017 to 14 SEP 2017

17 AUG 2017 to 14 SEP 2017



ALTERNATE MINS

17229

M8

NC-1





ALTERNATE MINS

M9



17229

NAME	ALTERNATE MINIMUMS	NAME	ALTERNATE MINIMUMS
WINONA, MN			
WINONA MUNI-MAX CONRAD			
FLD (ONA)	ILS Y or LOC Y Rwy 30¹²		
	ILS Z or LOC Z Rwy 30¹²		
	RNAV (GPS) Rwy 12³		
	RNAV (GPS) Rwy 30¹		

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

WORTHINGTON, MN

WORTHINGTON	
MUNI (OTG)	RNAV (GPS) Rwy 11²
	RNAV (GPS) Rwy 18²
	RNAV (GPS) Rwy 29²
	RNAV (GPS) Rwy 36²
	VOR Rwy 11¹
	VOR Rwy 18²

¹Category D, 800-2½.
²NA when local weather not available.

YANKTON, SD

CHAN GURNEY	
MUNI (YKN)	RNAV (GPS) Rwy 13
	RNAV (GPS) Rwy 31
	VOR Rwy 13

NA when local weather not available.

17 AUG 2017 to 14 SEP 2017

17 AUG 2017 to 14 SEP 2017



ALTERNATE MINS

M9

NC-1



17229