

INSTRUMENT APPROACH PROCEDURE CHARTS



IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non precision approaches are 800-2 (NDB, VOR, LOC, TACAN, LDA, VORTAC, VOR/DME, ASR or WAAS LNAV); for precision approaches 600-2 (ILS or PAR). 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 or absence of weather reporting service. Civil pilots see FAR 91. IFR Alternate Airport Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Airport Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

ABERDEEN, SD

ABERDEEN
RGNL (ABR) RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
RNAV (GPS) Rwy 35
VOR Rwy 31
VOR/DME Rwy 13

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
RNAV (GPS) Rwy 35
VOR/DME-A

NA when local weather not available.

NAME ALTERNATE MINIMUMS

BAUDETTE, MN

BAUDETTE INTL (BDE) ... RNAV (GPS) Rwy 12¹
RNAV (GPS) Rwy 30¹
VOR/DME Rwy 12
VOR Rwy 30

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

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 800-2¼. LOC, Category D 800-2¼.

²ILS, Categories A, B, C, D, 700-2.



ALTERNATE MINS

M2



NAME ALTERNATE MINIMUMS

BRAINERD, MN

BRAINERD LAKES

RGNL (BRD) ILS or LOC Rwy 23
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 30
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.

BUFFALO, MN

BUFFALO MUNI (CFE) RNAV (GPS) Rwy 35
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.

CLOQUET, MN

CLOQUET CARLTON

COUNTY (COQ) 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 13¹
RNAV (GPS) Rwy 31¹
VOR Rwy 31²

¹NA when local weather not available.

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

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) ILS or LOC/DME Rwy 31¹

RNAV (GPS) Rwy 3

RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 21

RNAV (GPS) Rwy 31

VOR Rwy 3²

VOR Rwy 21³

NA when local weather not available.

¹ILS, Category D, 700-2.

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

³Category C, 800-2¼, Category D, 800-2½.

DICKINSON, ND

DICKINSON-THEODORE ROOSEVELT

RGNL (DIK) RNAV (GPS) Rwy 14

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) COPTER ILS Rwy 9¹

ILS or LOC Rwy 9²

ILS or LOC Rwy 27³

RNAV (GPS) Rwy 9⁴

RNAV (GPS) Rwy 27⁴

RADAR-1⁴

VOR or TACAN Rwy 3⁴

VOR/DME or TACAN Rwy 21⁴

¹LOC, NA.

²ILS, Category E, 900-2½; LOC, Category E,
800-2½.

³ILS, Category E, 700-2½; LOC, Category E,
800-2½.

⁴Category E, 800-2¼.

31 MAY 2012 to 28 JUN 2012

31 MAY 2012 to 28 JUN 2012



ALTERNATE MINS



M2

12152



ALTERNATE MINS

M3



NAME ALTERNATE MINIMUMS

ELY, MN

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

NA when local weather not available.

EVELETH, MN

EVELETH-VIRGINIA

MUNI (EVM) VOR/DME or GPS-A
Category C, 800-2½; Category D, 800-2½.

FARIBAULT, MN

FARIBAULT MUNI (FBL) .. RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30
VOR-A

NA when local weather not available.

FAIRMONT, MN

FAIRMONT MUNI (FRM) .. RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
VOR Rwy 13
VOR 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 18²
RNAV (GPS) Rwy 36²
VOR/DME or TACAN Rwy 18²
VOR or TACAN Rwy 36³

¹ILS, Category E, 700-2½. LOC, Category E, 800-2½.

²Category E, 800-2½.

³Category D, 800-2½, Category E, 800-2½.

FERGUS FALLS, MN

FERGUS FALLS MUNI-EINAR MICKELSON
FIELD (FFM) ILS or LOC Rwy 31¹
NDB Rwy 31²
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

¹Category C, 800-2½.

NA when local weather not available.

NAME ALTERNATE MINIMUMS

GLENCOE, MN

GLENWOOD
MUNI (GHW) RNAV (GPS) Rwy 31

NA when local weather not available.

GLENWOOD, MN

GLENCOE
MUNI (GYL) RNAV (GPS) Rwy 33

NA when local weather not available.

GRANDFORKS, 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 9
RNAV (GPS) Rwy 27

NA when local weather not available.

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
MEMORIAL FIELD (GDB) . RNAV (GPS) Rwy 33

NA when local weather not available.

HALLOCK, MN

HALLOCK MUNI (HCO) RNAV (GPS) Rwy 31

NA when local weather not available.

HETTINGER, ND

HETTINGER
MUNI (HEI) RNAV (GPS) Rwy 30

NA when local weather not available.

Category D, 800-2½.

31 MAY 2012 to 28 JUN 2012

31 MAY 2012 to 28 JUN 2012



ALTERNATE MINS

M3



12152



ALTERNATE MINS

M4



NAME ALTERNATE MINIMUMS

HIBBING, MN

RANGE

RGNL (HIB) ILS OR LOC/DME Rwy 13¹
VOR Rwy 13²

¹ILS, Categories A, B, C, D, 800-2.

²Categories A, B, 900-2; Category C, 900-2½;
Category D, 900-2¾; ILS, 700-2.

HURON, SD

HURON RGNL (HON) ILS or LOC Rwy 12¹²
LOC/DME BC Rwy 30²³
RNAV (GPS) Rwy 12²³
RNAV (GPS) Rwy 30²³
VOR Rwy 12²³

¹ILS, Category D, 700-2¼. LOC, Category D,
800-2¼.

²NA when local weather not available.

³Category D, 800-2¼.

HUTCHINSON, MN

HUTCHINSON MUNI-
BUTLER FIELD (HCD) RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
VOR/DME Rwy 13

NA when local weather not available.

INTERNATIONAL FALLS, MN

FALLS
INTL (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
VOR/DME Rwy 31²

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
NDB 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 31

NA when local weather not available.

NAME ALTERNATE MINIMUMS

LANGDON, ND

ROBERTSON

FIELD (D55) RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32

NA when local weather not available.

LITCHFIELD, MN

LITCHFIELD

MUNI (LJF) RNAV (GPS) Rwy 13¹
RNAV (GPS) Rwy 31¹
VOR-A¹
VOR/DME Rwy 13

Category D, 800-2¼.

¹NA when local weather not available.

LITTLE FALLS, MN

LITTLE FALLS/MORRISON COUNTY,
CHARLES A. LINDBERGH FIELD (LXL)
..... RNAV (GPS) Rwy 31
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

MANKATO, MN

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

NA when local weather not available.

MAPLE LAKE, MN

MAPLE

LAKE MUNI (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.

31 MAY 2012 to 28 JUN 2012

31 MAY 2012 to 28 JUN 2012



ALTERNATE MINS



12152

M4



ALTERNATE MINS

M5



NAME ALTERNATE MINIMUMS

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 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
VOR/DME Rwy 27

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 10R¹
RNAV (GPS) Rwy 10L
RNAV (GPS) Rwy 10R
RNAV (GPS) Rwy 28L
RNAV (GPS) Rwy 28R
VOR Rwy 10R
VOR/DME Rwy 36

NA when local weather not available.
¹NA when control tower closed.

MINNEAPOLIS-ST. PAUL INTL/WOLD-
CHAMBERLAIN (MSP) ... ILS or LOC Rwy 12L²
ILS or LOC Rwy 12R¹
ILS or LOC Rwy 30L¹
ILS or LOC Rwy 30R²
ILS or LOC Rwy 35³
LOC Rwy 4⁴
LOC Rwy 22⁴
RNAV (GPS) Rwy 4⁴
RNAV (GPS) Rwy 12L⁵
RNAV (GPS) Rwy 12R⁴
RNAV (GPS) Rwy 22⁴
RNAV (GPS) Rwy 30L⁴
RNAV (GPS) Rwy 30R⁴
RNAV (GPS) Z Rwy 35⁶

¹ILS, Category D, 700-2; Category E, 900-3.
LOC, Category E, 900-3.
²ILS, Categories A, B, C, 700-2; Category D,
700-2¼; Category E, 900-3. LOC, Category
D, 800-2¼; Category E, 900-3.
³ILS, Categories A, B, 800-2; Category C, 800-
2¼; Category D, 800-2½; Category E, 900-3.
LOC, Category C, 800-2¼; Category D, 800-
2½; Category E, 900-3.
⁴Category E, 900-3.
⁵Category D, 800-2¼; Category E, 900-3.
⁶Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

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, 900-2¼.

MITCHELL, SD

MITCHELL MUNI (MHE) ... RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30
VOR Rwy 12
VOR Rwy 30¹

NA when local weather not available.
¹Categories A, B, 1000-2; Categories C, D,
1000-3.

MOBRIDGE, SD

MOBRIDGE MUNI (MBG) . RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30
NA when local weather not available
Category D, 900-2¼.

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.

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
NA when local weather not available.

31 MAY 2012 to 28 JUN 2012

31 MAY 2012 to 28 JUN 2012



ALTERNATE MINS

M5



12152



ALTERNATE MINS

M8



NAME ALTERNATE MINIMUMS

WATERTOWN, SD

WATERTOWN

- RGNL (ATY) LOC/DME BC Rwy 17
- NDB Rwy 35
- 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.

WILLISTON, ND

SLOULIN FIELD

- INTL (ISN) RNAV (GPS) Rwy 11
- RNAV (GPS) Rwy 29
- VOR Rwy 11
- VOR/DME Rwy 29

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 13
- VOR Rwy 31¹

NA when local weather not available.

¹Category D, 800-2¼.

WINDOM, MN

- WINDOM MUNI (MWM) NDB Rwy 17

Category C, 800-2¼.

WINNER, SD

- WINNER RGNL (ICR) RNAV (GPS) Rwy 13
- RNAV (GPS) Rwy 31
- VOR-A

NA when local weather not available.

WORTHINGTON, MN

WORTHINGTON

- MUNI (OTG) VOR or GPS Rwy 11

Category D, 800-2¼.

YANKTON, SD

- CHAN GURNEY MUNI (YKN) NDB Rwy 31¹
- RNAV (GPS) Rwy 13¹
- RNAV (GPS) Rwy 31¹
- VOR Rwy 13¹
- VOR Rwy 31²

¹NA when local weather not available.

²Category D, 800-2¼.

31 MAY 2012 to 28 JUN 2012

31 MAY 2012 to 28 JUN 2012



ALTERNATE MINS

M8



12152