

A IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability.
ANA 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 **A**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. A procedure is not authorized for alternate flight planning purposes when local weather is not available.

MILITARY USERS NOTE: For IFR alternate airport and minima planning, refer to appropriate service directives.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	600-2	800-2
A 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	

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

ALGONA, IA

ALGONA MUNI (AXA).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
NA when local weather not available.

AMES, IA

AMES MUNI (AMW).....RNAV (GPS) Rwy 19
NA when local weather not available.

ANKENY, IA

ANKENY RGNL (IKV).....RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 36
Cat D 900-2½.

ATLANTIC, IA

ATLANTIC MUNI (AIO).....RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 20
NA when local weather not available.
Cat C 800-2¼.

BOONE, IA

BOONE MUNI (BNW).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
NA when local weather not available.

BRANSON, MO

BRANSON (BBG).....RNAV (GPS) Rwy 14¹
RNAV (GPS) Rwy 32²
NA when local weather not available.
¹Cat C 800-2¼, Cat D 800-2½.
²Cat C 1000-2¼, Cat D 1000-3.

NAME ALTERNATE MINIMUMS

BURLINGTON, IA

SOUTHEAST IOWA
RGNL (BRL).....RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30
RNAV (GPS) Rwy 36
VOR Rwy 12
VOR Rwy 30
NA when local weather not available.

CAMDENTON, MO

CAMDENTON MEML-LAKE
RGNL (OZS).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
NA when local weather not available.

CAPE GIRARDEAU, MO

CAPE GIRARDEAU
RGNL (CGI).....ILS or LOC Rwy 10¹²
LOC BC Rwy 28¹³
RNAV (GPS) Rwy 2³
RNAV (GPS) Rwy 10³
RNAV (GPS) Rwy 20³
RNAV (GPS) Rwy 28³

NA when local weather not available.
¹NA when control tower closed.
²LOC Cat D 800-2¼.
³Cat D 800-2¼.

CARROLL, IA

ARTHUR
N NEU (CIN).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
NA when local weather not available.

NAME

ALTERNATE MINIMUMS

CEDAR RAPIDS, IA

THE EASTERN

IOWA (CID).....ILS or LOC Rwy 9¹

ILS or LOC Rwy 27¹²

RNAV (GPS) Rwy 9³

RNAV (GPS) Rwy 27³

NA when local weather not available.

¹NA when control tower closed.

²LOC Cat D 800-2¼.

³Cat D 800-2¼.

CENTERVILLE, IA

CENTERVILLE

MUNI (TVK).....RNAV (GPS) Rwy 16

RNAV (GPS) Rwy 34

NA when local weather not available.

CHARITON, IA

CHARITON

MUNI (CNC).....RNAV (GPS) Rwy 10

RNAV (GPS) Rwy 17

NA when local weather not available.

CHARLES CITY, IA

NORTHEAST

IOWA RGNL (CCY).....RNAV (GPS) Rwy 12

RNAV (GPS) Rwy 30

NA when local weather not available.

CHEROKEE, IA

CHEROKEE COUNTY

RGNL (CKP).....RNAV (GPS) Rwy 18

Cat C 900-2½, Cat D 1000-3.

CLARINDA, IA

SCHENCK FLD (ICL).....RNAV (GPS) Rwy 2

RNAV (GPS) Rwy 20

Cat C 800-2¼, Cat D 800-2½.

CLARION, IA

CLARION

MUNI (CAV).....RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 32

NA when local weather not available.

CLINTON, IA

CLINTON MUNI (CWI).....ILS or LOC Rwy 3

RNAV (GPS) Rwy 3

RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 21

RNAV (GPS) Rwy 32

NA when local weather not available.

CLINTON, MO

CLINTON

RGNL (GLY).....RNAV (GPS) Rwy 4

RNAV (GPS) Rwy 18

RNAV (GPS) Rwy 22

RNAV (GPS) Rwy 36

NA when local weather not available.

NAME

ALTERNATE MINIMUMS

COLUMBIA, MO

COLUMBIA RGNL (COU).....ILS or LOC Rwy 2¹

RNAV (GPS) Rwy 2

RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 20

RNAV (GPS) Rwy 31

VOR Rwy 13²

VOR Y Rwy 20

VOR Z Rwy 20

NA when local weather not available.

¹NA when control tower closed.

²Cat A, B 1000-2, Cat C, D 1000-3.

COUNCIL BLUFFS, IA

COUNCIL BLUFFS

MUNI (CBF).....RNAV (GPS) Rwy 18

RNAV (GPS) Rwy 36

VOR-A

NA when local weather not available.

CRESTON, IA

CRESTON MUNI (CSQ).....RNAV (GPS) Rwy 16

RNAV (GPS) Rwy 34

NA when local weather not available.

DAVENPORT, IA

DAVENPORT

MUNI (DVN).....ILS or LOC Rwy 15

RNAV (GPS) Rwy 3

RNAV (GPS) Rwy 15

RNAV (GPS) Rwy 21

RNAV (GPS) RWY 33

VOR Rwy 3

VOR Rwy 21

NA when local weather not available.

DECORAH, IA

DECORAH MUNI (DEH).....RNAV (GPS) Rwy 11

RNAV (GPS) Rwy 29

NA when local weather not available.

DENISON, IA

DENISON MUNI (DNS).....RNAV (GPS) Rwy 12

RNAV (GPS) Rwy 30

NA when local weather not available.

Cat C 900-2½.

NAME

ALTERNATE MINIMUMS

DES MOINES, IA

DES MOINES

INTL (DSM).....ILS or LOC Rwy 5¹

ILS or LOC Rwy 13¹

ILS or LOC Rwy 31²

RNAV (GPS) Rwy 5^{3,4}

RNAV (GPS) Rwy 13³

RNAV (GPS) Rwy 23^{3,4}

RNAV (GPS) Rwy 31³

VOR Rwy 23⁵

¹LOC Cat D 900-2½.

²LOC Cat D 900-2½, Cat E 900-2¾.

³Cat D 900-2½.

⁴NA when local weather not available.

⁵Cat C 800-2½, Cat D 900-2½.

DUBUQUE, IA

DUBUQUE

RGNL (DBQ).....ILS or LOC Rwy 36¹²

LOC Rwy 31¹³

RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 18³

RNAV (GPS) Rwy 31

RNAV (GPS) Rwy 36

VOR Rwy 13³

VOR Rwy 31⁴

VOR Rwy 36³

NA when local weather not available.

¹NA when control tower closed.

²LOC Cat D 800-2¼.

³Cat D 800-2¼.

⁴Cat C 800-2¼, Cat D 800-2½.

ESTHERVILLE, IA

ESTHERVILLE

MUNI (EST).....RNAV (GPS) Rwy 16

RNAV (GPS) Rwy 34

NA when local weather not available.

FAIRFIELD, IA

FAIRFIELD MUNI (FFL).....RNAV (GPS) Rwy 18

RNAV (GPS) Rwy 36

NA when local weather not available.

FARMINGTON, MO

FARMINGTON

RGNL (FAM).....RNAV (GPS) Rwy 2

RNAV (GPS) Rwy 20

NA when local weather not available.

FOREST CITY, IA

FOREST CITY MUNI/
TRIMBLE FLD (FXY).....RNAV (GPS) Rwy 15¹

RNAV (GPS) Rwy 33¹

VOR-A

NA when local weather not available.

¹Cat C 900-2½, Cat D 900-2¾.

NAME

ALTERNATE MINIMUMS

FORT DODGE, IA

FORT DODGE

RGNL (FOD).....RNAV (GPS) Rwy 6

RNAV (GPS) Rwy 12

RNAV (GPS) Rwy 24

RNAV (GPS) Rwy 30

NA when local weather not available.

Cat D 1000-3.

FORT LEONARD WOOD, MO

WAYNESVILLE-ST ROBERT RGNL FORNEY

FLD (TBN).....ILS or LOC Rwy 15¹

RNAV (GPS) Rwy 15

RNAV (GPS) Rwy 33

VOR Rwy 15¹

VOR Rwy 33¹

NA when local weather not available.

¹NA when control tower closed.

FORT MADISON, IA

FORT MADISON

MUNI (FSW).....RNAV (GPS) Rwy 17

RNAV (GPS) Rwy 35

VOR-A

NA when local weather not available.

Cat D 800-2½.

GRINNELL, IA

GRINNELL RGNL (GGI).....RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 31

VOR/DME Rwy 31

NA when local weather not available.

HARRISONVILLE, MO

LAWRENCE SMITH

MEML (LRY).....RNAV (GPS) Rwy 17

RNAV (GPS) Rwy 35

NA when local weather not available.

INDEPENDENCE, IA

JAMES H CONNELL FLD AT INDEPENDENCE

MUNI (IIB).....RNAV (GPS) Rwy 18

RNAV (GPS) Rwy 36

NA when local weather not available.

Cat D 1500-3.

IOWA CITY, IA

IOWA CITY

MUNI (IOW).....RNAV (GPS) Rwy 25¹

RNAV (GPS) Rwy 30¹

VOR-A

NA when local weather not available.

¹Cat C 800-2¼, Cat D 800-2½.

IOWA FALLS, IA

IOWA FALLS

MUNI (IFA).....RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 31

NA when local weather not available.

NAME ALTERNATE MINIMUMS

JEFFERSON CITY, MO

JEFFERSON CITY
MEML (JEF).....ILS or LOC Rwy 30¹²
RNAV (GPS) Rwy 12³
RNAV (GPS) Rwy 30³

NA when local weather not available.

¹NA control tower closed.

²LOC Cat C 800-2¼, Cat D 1100-3.

³Cat C 800-2¼, Cat D 1100-3.

JOPLIN, MO

JOPLIN RGNL (JLN).....ILS or LOC Rwy 13¹
ILS or LOC Rwy 18²

¹NA when tower closed.

²NA when control tower closed.

KAISER/LAKE OZARK, MO

LEE C FINE
MEML (AIZ).....RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
VOR Rwy 4

NA when local weather not available.

KANSAS CITY, MO

KANSAS CITY DOWNTOWN/WHEELER
FLD (MKC).....ILS or LOC Rwy 4¹
ILS or LOC Rwy 19²
RNAV (GPS) Rwy 4³
RNAV (GPS) Y Rwy 19³

¹LOC Cat A, B 900-2, Cat C, D 900-2½.

²LOC Cat D 800-2½.

³Cat D 800-2½.

KEOKUK, IA

KEOKUK MUNI (EOK).....RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 26
RNAV (GPS) Rwy 32

NA when local weather not available.

KIRKSVILLE, MO

KIRKSVILLE RGNL (IRK).....ILS or LOC Rwy 36
NA when local weather not available.

KNOXVILLE, IA

KNOXVILLE
MUNI (OXV).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33

NA when local weather not available.

LAMONI, IA

LAMONI MUNI (LWD).....RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36
NA when local weather not available.

LEBANON, MO

FLOYD W JONES
LEBANON (LBO).....RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36
NA when local weather not available.

NAME ALTERNATE MINIMUMS

LE MARS, IA

LE MARS MUNI (LRJ).....RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36
NA when local weather not available.

LEE'S SUMMIT, MO

KANSAS CITY/LEE'S SUMMIT
RGNL (LXT).....RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 18¹
RNAV (GPS) Rwy 29¹
RNAV (GPS) Rwy 36¹
VOR-A¹

Cat C 800-2¼, Cat D 800-2½.

¹NA when local weather not available.

MALDEN, MO

MALDEN RGNL (MAW).....RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 32
RNAV (GPS) Rwy 36

NA when local weather not available.

MARSHALLTOWN, IA

MARSHALLTOWN
MUNI (MIW).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

NA when local weather not available.

Cat D 900-2¼.

MASON CITY, IA

MASON CITY
MUNI (MCW).....ILS or LOC Rwy 36
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 30
RNAV (GPS) Rwy 36
VOR Rwy 36

NA when local weather not available.

MAURICE, IA

SIOUX COUNTY
RGNL (SXK).....RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35

NA when local weather not available.

Cat D 800-2¼.

MOBERLY, MO

OMAR N
BRADLEY (MBY).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

NA when local weather not available.

MONETT, MO

MONETT RGNL (HFJ).....RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36

NA when local weather not available.

Cat D 800-2½.

NAME ALTERNATE MINIMUMS

ST JOSEPH, MO

ROSECRANS

MEML (STJ).....ILS or LOC Rwy 35¹²
LOC BC Rwy 17¹³
RNAV (GPS) Rwy 13⁴⁵
RNAV (GPS) Rwy 17⁴⁶
RNAV (GPS) Rwy 31³⁴
RNAV (GPS) Rwy 35⁴⁶
VOR or TACAN Rwy 17⁶
VOR or TACAN Rwy 35⁶

¹NA when control tower closed.

²LOC Cat C 800-2¼, Cat D 900-2¼, Cat E 1000-3.

³Cat C 800-2¼, Cat D 900-2¼.

⁴NA when local weather not available.

⁵Cat C 800-2¼, Cat D 900-2¼.

⁶Cat C 800-2¼, Cat D 900-2¼, Cat E 1000-3.

ST LOUIS, MO

SPIRIT OF

ST LOUIS (SUS).....ILS or LOC Rwy 8R¹
ILS or LOC Rwy 26L²³⁴
RNAV (GPS) Rwy 8L²
RNAV (GPS) Rwy 8R⁵
RNAV (GPS) Rwy 26L²⁵
RNAV (GPS) Rwy 26R²

¹ILS, LOC Cat D 900-3.

²NA when local weather not available.

³NA when control tower closed.

⁴LOC Cat D 900-3.

⁵Cat D 900-3.

SEDALIA, MO

SEDALIA

RGNL (DMO).....RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36

NA when local weather not available.

Cat D 800-2¼.

SHELDON, IA

SHELDON

RGNL (SHL).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33

NA when local weather not available.

SHENANDOAH, IA

SHENANDOAH

MUNI (SDA).....RNAV (GPS) Rwy 4
VOR/DME Rwy 12

NA when local weather not available.

NAME

ALTERNATE MINIMUMS

SIOUX CITY, IA

SIOUX GATEWAY/BRIG GENERAL BUD

DAY FLD (SUX).....ILS or LOC Rwy 13¹²
ILS or LOC Rwy 31¹³
RNAV (GPS) Rwy 13⁴
RNAV (GPS) Rwy 18⁵
RNAV (GPS) Rwy 31⁴
RNAV (GPS) Rwy 36⁵

NA when local weather not available.

¹NA when control tower closed.

²LOC Cat D 800-2¼, Cat E 900-3.

³LOC Cat D 800-2¼, Cat E 900-3.

⁴Cat D 800-2¼, Cat E 1000-3.

⁵Cat D 800-2¼.

SPENCER, IA

SPENCER

MUNI (SPW).....RNAV (GPS) Rwy 12¹
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 30¹
RNAV (GPS) Rwy 36
VOR Rwy 30¹

NA when local weather not available.

¹Cat C 800-2¼, Cat D 800-2¼.

SPRINGFIELD, MO

SPRINGFIELD-BRANSON

NTL (SGF).....ILS or LOC Rwy 2¹
ILS or LOC Rwy 14²
RNAV (GPS) Rwy 2³
RNAV (GPS) Rwy 20³
RNAV (GPS) Rwy 32³
VOR/DME or TACAN Rwy 2⁴

¹ILS Cat D 700-2, Cat E 900-3; LOC Cat E 900-3.

²ILS Cat D 700-2.

³NA when local weather not available.

⁴Cat E 800-2¼.

STORM LAKE, IA

STORM LAKE

MUNI (SLB).....RNAV (GPS) Rwy 17
NA when local weather not available.

VINTON, IA

VINTON VETERANS MEML

AIRPARK (VTI).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27

NA when local weather not available.

WARRENSBURG, MO

SKYHAVEN (RCM).....RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 19

NA when local weather not available.

NAME

ALTERNATE MINIMUMS

NAME

ALTERNATE MINIMUMS

WASHINGTON, IA

WASHINGTON

MUNI (AWG).....RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 18

RNAV (GPS) Rwy 31

RNAV (GPS) Rwy 36

VOR Rwy 36

Cat C 800-2¼.

WASHINGTON, MO

WASHINGTON

RGNL (FYG).....RNAV (GPS) Rwy 15

RNAV (GPS) Rwy 33

VOR-A

NA when local weather not available.

Cat C 1100-3.

WATERLOO, IA

WATERLOO

RGNL (ALO).....ILS or LOC Rwy 12¹²

LOC BC Rwy 30¹²

RNAV (GPS) Rwy 12³

RNAV (GPS) Rwy 18³

RNAV (GPS) Rwy 30³

RNAV (GPS) Rwy 36³

VOR Rwy 12³

VOR Rwy 18³⁴

¹NA when control tower closed.

²LOC Cat D 800-2¼.

³Cat D 800-2¼.

⁴NA when local weather not available.

WEBSTER CITY, IA

WEBSTER CITY

MUNI (EBS).....RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 32

NA when local weather not available.

WEST PLAINS, MO

WEST PLAINS

RGNL (UNO).....RNAV (GPS) Rwy 18

RNAV (GPS) Rwy 36

NA when local weather not available.