



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. **⚠️** 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	600-2	800-2
⚠️ 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).

NAMEALTERNATE MINIMUMS

ALGONA, IA

ALGONA MUNI (AXA).....RNAV (GPS) Rwy 12
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

Category D, 900-2¼.

ATLANTIC, IA

ATLANTIC MUNI (AIO).....RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 20

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

BOONE, IA

BOONE MUNI (BNW).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33

NA when local weather not available.

NAMEALTERNATE MINIMUMS

BRANSON, MO

BRANSON (BBG).....RNAV (GPS) Rwy 14¹
RNAV (GPS) Rwy 32²

NA when local weather not available.
¹Category C, 800-2¼; Category D, 800-2½.
²Category C, 1000-2¼; Category D, 1000-3.

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.

NAME

ALTERNATE MINIMUMS

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, Category D, 800-2¼.

³Category D, 800-2¼.

CARROLL, IA

ARTHUR

N NEU (CIN).....RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 31

NA when local weather not available.

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, Category D, 800-2¼.

³Category 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

Category C, 900-2½; Category D, 1000-3.

CLARINDA, IA

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

RNAV (GPS) Rwy 20

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

NAME

ALTERNATE MINIMUMS

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.

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.

²Categories A, B, 1000-2; Categories 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.

NAME ALTERNATE MINIMUMS

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.

Category C, 900-2½.

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 5³⁴
RNAV (GPS) Rwy 13³
RNAV (GPS) Rwy 23³⁴
RNAV (GPS) Rwy 31³
VOR Rwy 23⁵

¹LOC, Category D, 900-2½.

²LOC, Category D, 900-2½; Category E, 900-2½.

³Category D, 900-2½.

⁴NA when local weather not available.

⁵Category C, 800-2½; Category 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, Category D, 800-2½.

³Category D, 800-2½.

⁴Category C, 800-2½; Category 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.

NAME ALTERNATE MINIMUMS

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.

¹Category C, 900-2½; Category D, 900-2½.

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.

Category 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 17¹
RNAV (GPS) Rwy 35¹
VOR/DME-A²

¹Category D, 800-2½.

²NA when local weather not available.

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.

Category D, 1500-3.

NAME ALTERNATE MINIMUMS

IOWA CITY, IA

IOWA CITY
MUNI (IOW).....RNAV (GPS) Rwy 25¹
RNAV (GPS) Rwy 30¹
VOR-A

NA when local weather not available.

¹Category C, 800-2¼; Category D, 800-2½.

IOWA FALLS, IA

IOWA FALLS
MUNI (IFA).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

NA when local weather not available.

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, Category C, 800-2¼; Category D, 1100-3.

³Category C, 800-2¼; Category D, 1100-3.

JOPLIN, MO

JOPLIN RGNL (JLN).....ILS or LOC Rwy 31¹
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, Categories A, B, 900-2;

Categories C, D, 900-2½.

²LOC, Category D, 800-2½.

³Category 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.

NAME ALTERNATE MINIMUMS

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.

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

Category C, 800-2¼; Category 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.

Category 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 (SXX).....RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35

NA when local weather not available.

Category D, 800-2¼.

NAME

ALTERNATE MINIMUMS

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.

Category D, 800-2½.

MONTICELLO, IA

MONTICELLO

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

RNAV (GPS) Rwy 33

NA when local weather not available.

MOSBY, MO

MIDWEST NTL AIR

CENTER (GPH).....RNAV (GPS) Rwy 36

NA when local weather not available.

MOUNT PLEASANT, IA

MOUNT PLEASANT

MUNI (MPZ).....RNAV (GPS) Rwy 15¹

RNAV (GPS) Rwy 33

NA when local weather not available.

¹Categories A, B, C, 800-2¼.

MUSCATINE, IA

MUSCATINE

MUNI (MUT).....RNAV (GPS) Rwy 6¹

RNAV (GPS) Rwy 12

RNAV (GPS) Rwy 24²

RNAV (GPS) Rwy 30

NA when local weather not available.

¹Categories A, B, C, 800-2½; Category D, 1000-3.

²Category D, 1000-3.

NEOSHO, MO

NEOSHO HUGH

ROBINSON (EOS).....RNAV (GPS) Rwy 1

RNAV (GPS) Rwy 19

NA when local weather not available.

NEWTON, IA

NEWTON MUNI-EARL JOHNSON

FLD (TNU).....RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 32

VOR Rwy 14

NA when local weather not available.

OELWEIN, IA

OELWEIN

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

Category D, 800-2¼.

NAME

ALTERNATE MINIMUMS

OSCEOLA, IA

OSCEOLA

MUNI (I75).....RNAV (GPS) Rwy 18

RNAV (GPS) Rwy 36

NA when local weather not available.

OSKALOOSA, IA

OSKALOOSA

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

RNAV (GPS) Rwy 31

NA when local weather not available.

OTTUMWA, IA

OTTUMWA

RGNL (OTM).....RNAV (GPS) Rwy 13

RNAV (GPS) Rwy 31

NA when local weather not available.

PELLA, IA

PELLA MUNI (PEA).....RNAV (GPS) Rwy 16

RNAV (GPS) Rwy 34

NA when local weather not available.

PERRY, IA

PERRY MUNI (PRO).....RNAV (GPS) Rwy 14

RNAV (GPS) Rwy 32

NA when local weather not available.

Category D, 900-2¾.

PERRYVILLE, MO

PERRYVILLE

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

RNAV (GPS) Rwy 20

VOR-A

NA when local weather not available.

Category C, 900-2¾; Category D, 900-3.

POPLAR BLUFF, MO

POPLAR BLUFF RGNL

BUSINESS (POF).....RNAV (GPS) Rwy 18

RNAV (GPS) Rwy 36

NA when local weather not available.

RED OAK, IA

RED OAK

MUNI (RDK).....RNAV (GPS) Rwy 5¹

RNAV (GPS) Rwy 17

NA when local weather not available.

¹Categories A, B, 800-2¼.

ROLLA-VICHY, MO

ROLLA NTL (VIH).....RNAV (GPS) Rwy 4

VOR Rwy 22

VOR/DME Rwy 4

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

Category C, 800-2¼.

WASHINGTON, MO

WASHINGTON

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

RNAV (GPS) Rwy 33

VOR-A

NA when local weather not available.

Category 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, Category D, 800-2¼.

³Category 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.