

A IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability. **A**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 **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, 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 900-2¾.

ATLANTIC, IA

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

AUDUBON, IA

AUDUBON
COUNTY (ADU).....RNAV (GPS) Rwy 32
NA when local weather not available.

BOONE, IA

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

NAME ALTERNATE MINIMUMS

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 1000-2¾, Cat 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 Cat D 800-2¼.

³Cat D 800-2¼.

CARROLL, IA

ARTHUR N NEU (CIN).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

Cat C 800-2¼.

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.

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 31²
VOR Rwy 13³
VOR Y Rwy 20
VOR Z Rwy 20

NA when local weather not available.

¹NA when control tower closed.

²Cat D 1000-3.

³Cat 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.

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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.

Cat 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 Cat D 900-2½.

²LOC Cat D 900-2½, Cat E 900-2½.

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 31³
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.

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.

¹Cat C 900-2½, Cat 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.

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

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.

NAME ALTERNATE MINIMUMS

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 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

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 800-2¼.

³Cat D 800-2¼.

KEOKUK, IA

KEOKUK MUNI (EOK).....RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 26
RNAV (GPS) Rwy 32

NA when local weather not available.

KIRKSVILLE, MO

KIRKSVILLE RGNL (IRK).....ILS or LOC Rwy 36
RNAV (GPS) Rwy 18

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.

NAME ALTERNATE MINIMUMS

LEBANON, MO

FLOYD W JONES
LEBANON (LBO).....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

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 (SXX).....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.

NAME ALTERNATE MINIMUMS

MONETT, MO

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

NA when local weather not available.
Cat 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.
¹Cat 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.
¹Cat A, B, C 800-2½, Cat D 1000-3.
²Cat 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
Cat D 800-2¼.

OSCEOLA, IA

OSCEOLA
MUNI (I75).....RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36

NA when local weather not available.

NAME ALTERNATE MINIMUMS

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 4
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 22
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.
Cat D 900-2¼.

PERRYVILLE, MO

PERRYVILLE
RGNL (PCD).....RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 20

NA when local weather not available.
Cat C 900-2¼, Cat 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.
¹Cat 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.

ST CHARLES, MO

ST CHARLES COUNTY RGNL/
SMARTT FLD (SET).....RNAV (GPS) Rwy 18
NA when local weather not available.
Cat C 800-2¼.

NAME	ALTERNATE MINIMUMS
ST JOSEPH, MO	
ROSECRANS	
MEML (STJ).....	ILS or LOC Rwy 35 ¹²
	LOC BC Rwy 17 ¹³
	RNAV (GPS) Rwy 13 ⁴⁵
	RNAV (GPS) Rwy 17 ⁴⁶
	RNAV (GPS) Rwy 31 ³⁴
	RNAV (GPS) Rwy 35 ⁴⁶
	VOR or TACAN Rwy 17 ⁶
	VOR or TACAN Rwy 35 ⁶

¹NA when control tower closed.
²LOC Cat C 800-2½, Cat D 900-2½, Cat E 1000-3.
³Cat C 800-2½, Cat D 900-2½.
⁴NA when local weather not available.
⁵Cat C 800-2½, Cat D 900-2½.
⁶Cat C 800-2½, Cat D 900-2½, Cat E 1000-3.

ST LOUIS, MO
SPIRIT OF
ST LOUIS (SUS).....ILS or LOC Rwy 8R¹²³
 ILS or LOC Rwy 26L¹²³
 RNAV (GPS) Rwy 8L¹⁴
 RNAV (GPS) Rwy 8R⁵
 RNAV (GPS) Rwy 26L¹⁵
 RNAV (GPS) Rwy 26R¹

¹NA when local weather not available.
²NA when control tower closed.
³LOC Cat D 900-3.
⁴Cat A, B 800-2½.
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 800-2 1/4.

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 13 ¹²
	ILS or LOC Rwy 31 ¹²
	RNAV (GPS) Rwy 13 ³
	RNAV (GPS) Rwy 18 ⁴
	RNAV (GPS) Rwy 31 ³
	RNAV (GPS) Rwy 36 ⁴
NA when local weather not available.	
¹ NA when control tower closed.	
² LOC Cat D 800-2½, Cat E 900-3.	
³ Cat D 800-2½, Cat E 1000-3.	
⁴ Cat D 800-2½.	

SPENCER, IA
SPENCER

MUNI (SPW).....	RNAV (GPS) Rwy 12 ¹
	RNAV (GPS) Rwy 18
	RNAV (GPS) Rwy 30 ¹
	RNAV (GPS) Rwy 36

NA when local weather not available.
¹Cat C 800-2½. Cat D 800-2½.

SPRINGFIELD, MO
SPRINGFIELD-BRANSON
 NTL (SGF).....ILS or LOC Rwy 2¹
 ILS or LOC Rwy 14²³
 RNAV (GPS) Rwy 2³
 RNAV (GPS) Rwy 14³
 RNAV (GPS) Rwy 20³
 RNAV (GPS) Rwy 32³
 VOR/DME or TACAN Rwy 2⁴

¹ ILS Cat D 700-2, Cat E 900-3; LOC Cat E 900-3.
² LOC Cat E 900-3
³ NA when local weather not available.
⁴ Cat E 900-3.

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.

WASHINGTON, IA	
WASHINGTON	
MUNI (AWG).....	RNAV (GPS) Rwy 13
	RNAV (GPS) Rwy 18
	RNAV (GPS) Rwy 31
	RNAV (GPS) Rwy 36
Cat C 800-2¼.	

NAME	ALTERNATE MINIMUMS	NAME	ALTERNATE MINIMUMS
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 12 ¹²		
	LOC BC Rwy 30 ¹²		
	RNAV (GPS) Rwy 12 ³		
	RNAV (GPS) Rwy 18 ³		
	RNAV (GPS) Rwy 30 ³		
	RNAV (GPS) Rwy 36 ³		
	VOR Rwy 12 ³		
	VOR Rwy 18 ³⁴		
¹ NA when control tower closed.			
² LOC Cat D 800-2¼.			
³ Cat D 800-2¼.			
⁴ NA 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.			

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