

INSTRUMENT APPROACH PROCEDURE CHARTS

A 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**
ALGONA, IA
ALGONA MUNI (AXA).....RNAV (GPS) Rwy 12
 RNAV (GPS) Rwy 30
 VOR/DME -A

NA when local weather not available.

AMES, IA
AMES MUNI (AMW).....ILS or LOC Rwy 1¹
 RNAV (GPS) Rwy 1
 RNAV (GPS) Rwy 13
 RNAV (GPS) Rwy 19
 RNAV (GPS) Rwy 31

NA when local weather not available.

¹ILS, Categories A, B, C, 700-2, Category D, 1100-3; LOC, Category D, 1100-3.

ANKENY, IA
ANKENY RGNL (IKV).....RNAV (GPS) Rwy 18
 RNAV (GPS) Rwy 22
 RNAV (GPS) Rwy 36

Category D, 900-2¾.

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

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.

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

NA when local weather not available.

¹Category C, 800-2¾; Category D, 800-2¾.

²Category D, 800-2¾.

NAME **ALTERNATE MINIMUMS**
BROOKFIELD, MO
NORTH CENTRAL MISSOURI
RGNL (MO8).....RNAV (GPS) Rwy 18
 RNAV (GPS) Rwy 36

NA when local weather not available.

BURLINGTON, IA
SOUTHEAST IOWA
RGNL (BRL)..... ILS or LOC Rwy 36¹
 RNAV (GPS) Rwy 12
 RNAV (GPS) Rwy 30
 RNAV (GPS) Rwy 36
 VOR/DME Rwy 12
 VOR Rwy 30

NA when local weather not available.

¹ILS, LOC, Category D, 800-2¾.

CAMDENTON, MO
CAMDENTON MEMORIAL-LAKE
RGNL (OZS).....RNAV (GPS) Rwy 15
 RNAV (GPS) Rwy 33
 VOR-A

NA when local weather not available.

CAPE GIRARDEAU, MO
CAPE GIRARDEAU
RGNL (CGI).....ILS or LOC Rwy 10¹²
 LOC/DME BC Rwy 28¹³
 RNAV (GPS) Rwy 2³
 RNAV (GPS) Rwy 10³
 RNAV (GPS) Rwy 20³
 RNAV (GPS) Rwy 28³
 VOR Rwy 2⁴

NA when local weather not available.

¹NA when control tower closed.

²ILS, Categories A, B, C, 700-2; Category D, 800-2¾; LOC, Category D, 800-2¾.

³Category D, 800-2¾.

⁴Category C, 800-2¾, Category D, 800-2¾.

24 MAY 2018 to 21 JUN 2018

24 MAY 2018 to 21 JUN 2018

18144

NAME ALTERNATE MINIMUMS

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 27²
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27

NA when local weather not available.

¹NA when control tower closed.

²ILS, NA when control tower closed.

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).....LOC Rwy 12
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30

NA when local weather not available.

CHEROKEE, IA

CHEROKEE COUNTY
RGNL (CKP).....RNAV (GPS) Rwy 18¹
RNAV (GPS) Y Rwy 36²
RNAV (GPS) Z Rwy 36²³

¹Category C, 900-2½; Category D, 1000-3.

²NA when local weather not available.

³Categories A, B, 800-2¼.

CLARINDA, IA

SCHENCK FIELD (ICL).....RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 20

NA when local weather not available.

CLARION, IA

CLARION MUNI (CAV).....NDB Rwy 14
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32

NA when local weather not available.

NAME ALTERNATE MINIMUMS

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
LOC BC Rwy 20¹
VOR Rwy 13²

¹NA when control tower closed.

²Categories A, B, 1000-2; Categories C, D, 1000-3.

COUNCIL BLUFFS, IA

COUNCIL BLUFFS
MUNI (CBF).....ILS or LOC Rwy 36¹
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36
VOR-A

NA when local weather not available.

¹Category D, 700-2.

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

NA when local weather not available.

24 MAY 2018 to 21 JUN 2018

24 MAY 2018 to 21 JUN 2018

18144

NAME	ALTERNATE MINIMUMS
DES MOINES, IA	
DES MOINES	
INTL (DSM).....	ILS or LOC Rwy 5 ¹
	ILS or LOC Rwy 13 ¹
	ILS or LOC Rwy 31 ²
	RNAV (GPS) Rwy 5 ¹
	RNAV (GPS) Rwy 13 ¹
	RNAV (GPS) Rwy 23 ¹
	RNAV (GPS) Rwy 31 ¹
	VOR/DME Rwy 23 ³

¹Category D, 900-2½.
²LOC, Category D, 900-2½; Category E, 900-2¾.
³Category C, 800-2¼; Category D, 800-2½.

DUBUQUE, IA	
DUBUQUE	
RGNL (DBQ).....	LOC Rwy 31 ¹²
	RNAV (GPS) Rwy 13
	RNAV (GPS) Rwy 18
	RNAV (GPS) Rwy 31
	RNAV (GPS) Rwy 36
	VOR Rwy 13 ¹
	VOR Rwy 31 ¹
	VOR Rwy 36

NA when local weather not available.
¹Category D, 800-2¼.
²NA when control tower closed.

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 (FXY).....	NDB Rwy 33 ¹
	RNAV (GPS) Rwy 15
	RNAV (GPS) Rwy 33
	VOR/DME-A

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

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
	VOR Rwy 12
	VOR/DME Rwy 30

NA when local weather not available.

FORT LEONARD WOOD, MO	
WAYNESVILLE-ST. ROBERT RGNL FORNEY	
FIELD (TBN).....	ILS or LOC Rwy 14 ¹²
	NDB Rwy 32 ¹
	RNAV (GPS) Rwy 14 ²
	RNAV (GPS) Rwy 32 ²
	VOR Rwy 14 ¹
	VOR Rwy 32 ¹

¹NA when control tower closed.
²NA when local weather not available.

FORT MADISON, IA	
FORT MADISON	
MUNI (FSW).....	RNAV (GPS) Rwy 17 ¹
	RNAV (GPS) Rwy 35 ¹
	VOR/DME-A ²

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	
MEMORIAL (LRY).....	RNAV (GPS) Rwy 17
	RNAV (GPS) Rwy 35

NA when local weather not available.

INDEPENDENCE, IA	
INDEPENDENCE	
MUNI (IIB).....	RNAV (GPS) Rwy 18
	RNAV (GPS) Rwy 36

Category D, 1500-3.

IOWA CITY, IA	
IOWA CITY MUNI (IOW).....	RNAV (GPS) Rwy 25
	RNAV (GPS) Rwy 30
	VOR-A

NA when local weather not available.

24 MAY 2018 to 21 JUN 2018

24 MAY 2018 to 21 JUN 2018

NAME ALTERNATE MINIMUMS

JEFFERSON CITY, MO

JEFFERSON CITY
 MEMORIAL (JEF).....**ILS or LOC Rwy 30¹**
 RNAV (GPS) Rwy 12²
 RNAV (GPS) Rwy 30²

NA when local weather not available.

¹ILS, Categories A, B, 800-2; Category C, 800-2½;
 Category D, 1100-3; LOC, Category C, 800-2½;
 Category D, 1100-3.

²Category C, 800-2½; Category D, 800-2½.

JOPLIN, MO

JOPLIN
 RGNL (JLN).....**ILS or LOC Rwy 18¹**
 ILS or LOC/NDB Rwy 13^{2,3}
 LOC BC Rwy 31²

¹NA when control tower closed.

²NA when tower closed.

³ILS, Category D, 700-2.

KAISER/LAKE OZARK, MO

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

NA when local weather not available.

KANSAS CITY, MO

CHARLES B WHEELER
 DOWNTOWN (MKC).....**ILS or LOC Rwy 3¹**
 ILS or LOC Rwy 19²
 RNAV (GPS) Rwy 3³
 RNAV (GPS) Rwy 19⁴
 RNAV (GPS) Rwy 21³

¹ILS, LOC, Categories A, B, 900-2; Categories C,
 D, 900-2½.

²ILS, Categories A, B, C 800-2; Category D, 800-2½; LOC, Category D, 800-2½.

³Category D, 800-2½.

⁴Category D, 900-3.

KEOKUK, IA

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

NA when local weather not available.

NAME ALTERNATE MINIMUMS

KIRKSVILLE, MO

KIRKSVILLE
 RGNL (IRK).....**ILS or LOC/DME Rwy 36**
 RNAV (GPS) Rwy 18
 RNAV (GPS) Rwy 36
 VOR-A

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.

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

LEE'S SUMMIT
 MUNI (LXT).....**RNAV (GPS) Rwy 11**
 RNAV (GPS) Rwy 18¹
 RNAV (GPS) Rwy 29¹
 RNAV (GPS) Rwy 36¹
 VOR-A¹

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

¹NA when local weather not available.

MARSHALLTOWN, IA

MARSHALLTOWN
 MUNI (MIW).....**RNAV (GPS) Rwy 13¹**
 RNAV (GPS) Rwy 31¹
 VOR Rwy 13
 VOR Rwy 31

NA when local weather not available.

¹Category D, 900-2½.

MASON CITY, IA

MASON CITY
 MUNI (MCW).....**ILS or LOC Rwy 36**
 LOC/DME BC Rwy 18
 RNAV (GPS) Rwy 18
 RNAV (GPS) Rwy 30
 RNAV (GPS) Rwy 36
 VOR Rwy 36

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.

NAME ALTERNATE MINIMUMS

MONTICELLO, IA

MONTICELLO
RGNL (MXO).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
NA when local weather not available.

MOUNT PLEASANT, IA

MOUNT PLEASANT
MUNI (MPZ).....NDB Rwy 33¹
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
NA when local weather not available.
¹Category C, 800-2¼.

MUSCATINE, IA

MUSCATINE
MUNI (MUT).....RNAV (GPS) Rwy 6¹
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 24
RNAV (GPS) Rwy 30
NA when local weather not available.
¹Categories A, B, C, D, 800-2½.

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
FIELD (TNU).....RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32
NA when local weather not available.

ORANGE CITY, IA

ORANGE CITY
MUNI (ORC).....RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 44
NA when local weather not available.

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.

NAME ALTERNATE MINIMUMS

OTTUMWA, IA

OTTUMWA
RGNL (OTM).....RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
VOR/DME Rwy 13
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.

PERRYVILLE, MO

PERRYVILLE
RGNL (PCD).....RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 20
VOR-A
Category D, 800-2¼.

POPLAR BLUFF, MO

POPLAR BLUFF
MUNI (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 5
RNAV (GPS) Rwy 17
NA when local weather not available.

ROLLA-VICHY, MO

ROLLA NATIONAL (VIH).....RNAV (GPS) Rwy 4
VOR Rwy 22
VOR/DME Rwy 4
NA when local weather not available.

ST. CHARLES, MO

ST CHARLES COUNTY
SMARTT (SET).....RNAV (GPS) Rwy 18
VOR Rwy 18
NA when local weather not available.

24 MAY 2018 to 21 JUN 2018

24 MAY 2018 to 21 JUN 2018

NAME ALTERNATE MINIMUMS

ST. JOSEPH, MO

ROSECRANS
 MEMORIAL (STJ).....**ILS or LOC Rwy 35**¹²
 LOC BC Rwy 17¹³
 RADAR-1⁴
 RNAV (GPS) Rwy 13⁶⁷
 RNAV (GPS) Rwy 17⁶⁸
 RNAV (GPS) Rwy 31⁶⁹
 RNAV (GPS) Rwy 35⁶⁸
 VOR or TACAN Rwy 17⁵

- ¹NA when control tower closed.
- ²ILS, Category D, 700-2¼; Category E, 1000-3.
- LOC, Category D, 800-2¼; Category E, 1000-3.
- ³Category D, 800-2¼.
- ⁴PAR, ASR, Category C, 800-2¼; Category D, 900-2¼; Category E, 1000-3.
- ⁵Category D, 800-2¼; Category E, 1000-3.
- ⁶NA when local weather not available.
- ⁷Category C, 800-2¼; Category D, 900-2¾.
- ⁸Category C, 800-2¼; Category D, 900-2¾; Category E, 1000-3.
- ⁹Category C, 800-2¼; Category D, 900-2¾.

ST. LOUIS, MO

SPIRIT OF
 ST. LOUIS (SUS).....**ILS or LOC Rwy 8R**²³
 ILS or LOC Rwy 26L²⁴
 RNAV (GPS) Rwy 8L¹
 RNAV (GPS) Rwy 8R¹⁵
 RNAV (GPS) Rwy 26L¹⁵
 RNAV (GPS) Rwy 26R¹

- ¹NA when local weather not available.
- ²NA when control tower closed.
- ³ILS, Categories A, B, C, 700-2; Category D, 700-2¼. LOC, NA.
- ⁴ILS, Categories A, B, C, 700-2; Category D, 700-2¼. LOC, Category D, 800-2¼.
- ⁵Category D, 800-2¼.

SEDALIA, MO

SEDALIA
 RGNL (DMO).....**RNAV (GPS) Rwy 18**
 RNAV (GPS) Rwy 36
 NA when local weather not available.
 Category D, 800-2¼.

SHELDON, IA

SHELDON
 RGNL (SHL).....**RNAV (GPS) Rwy 15**
 RNAV (GPS) Rwy 33
 NA when local weather not available.

NAME ALTERNATE MINIMUMS

SHENANDOAH, IA

SHENANDOAH
 MUNI (SDA).....**NDB Rwy 4**
 RNAV (GPS) Rwy 4
 VOR/DME Rwy 12
 NA when local weather not available.

SIOUX CITY, IA

SIOUX GATEWAY/COLONEL BUD DAY
 FIELD (SUX).....**ILS or LOC Rwy 13**²
 ILS or LOC Rwy 31²
 RNAV (GPS) Rwy 13¹
 RNAV (GPS) Rwy 17³
 RNAV (GPS) Rwy 31¹
 RNAV (GPS) Rwy 35³
 VOR/DME or TACAN Rwy 13¹

- NA when local weather not available.
- ¹Category D, 800-2¼; Category E, 1000-3.
- ²NA when control tower closed.
- ³Category D, 800-2¼.

SPENCER, IA

SPENCER
 MUNI (SPW).....**RNAV (GPS) Rwy 12**²
 RNAV (GPS) Rwy 18
 RNAV (GPS) Rwy 30¹
 RNAV (GPS) Rwy 36
 VOR/DME Rwy 30¹

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

SPRINGFIELD, MO

SPRINGFIELD-BRANSON
 NATIONAL (SGF).....**ILS or LOC Rwy 2**¹
 ILS or LOC Rwy 14⁴
 RNAV (GPS) Rwy 2²
 RNAV (GPS) Rwy 20²
 RNAV (GPS) Rwy 32²
 VOR/DME or TACAN Rwy 2³
 VOR or TACAN Rwy 20³

- ¹ILS, Category D, 700-2, Category E, 900-3. LOC, Category E, 900-3.
- ²NA when local weather not available.
- ³Category E, 800-2¼.
- ⁴Category D, 700-2.

STORM LAKE, IA

STORM LAKE
 MUNI (SLB).....**RNAV (GPS) Rwy 17**
 RNAV (GPS) Rwy 35
 NA when local weather not available.

24 MAY 2018 to 21 JUN 2018

24 MAY 2018 to 21 JUN 2018

18144

NAME ALTERNATE MINIMUMS

NAME ALTERNATE MINIMUMS

VINTON, IA

VINTON VETERANS MEMORIAL
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
VOR/DME-A
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
NA when local weather not available.
Category C, 800-2¼.

WASHINGTON, MO

WASHINGTON
RGNL (FYG).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
VOR-A
Category C, 800-2¼.
NA when local weather not available.

WATERLOO, IA

WATERLOO
RGNL (ALO).....ILS or LOC Rwy 12¹
LOC BC Rwy 30
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30
VOR Rwy 12
NA when local weather not available.
¹ILS, Category D, 700-2.

WEBSTER CITY, IA

WEBSTER CITY
MUNI (EBS).....RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32
VOR/DME Rwy 14
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.

24 MAY 2018 to 21 JUN 2018

24 MAY 2018 to 21 JUN 2018

18144