

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  
VOR/DME -A

NA when local weather not available.

**AMES, IA**

AMES MUNI (AMW).....ILS or LOC Rwy 1<sup>23</sup>  
RNAV (GPS) Rwy 19<sup>1</sup>

<sup>1</sup>NA when local weather not available.

<sup>2</sup>NA when control tower closed.

<sup>3</sup>ILS, 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, 900-2 $\frac{1}{4}$ .

**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 14<sup>1</sup>  
RNAV (GPS) Rwy 32<sup>2</sup>

NA when local weather not available.

<sup>1</sup>Category C, 800-2 $\frac{1}{4}$ ; Category D, 800-2 $\frac{1}{2}$ .

<sup>2</sup>Category D, 800-2 $\frac{1}{4}$ .

**BROOKFIELD, MO**

NORTH CENTRAL MISSOURI  
RGNL (MO8).....RNAV (GPS) Rwy 18  
RNAV (GPS) Rwy 36

NA when local weather not available.

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 MEMORIAL-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 10<sup>12</sup>

LOC/DME BC Rwy 28<sup>13</sup>

RNAV (GPS) Rwy 2<sup>3</sup>

RNAV (GPS) Rwy 10<sup>3</sup>

RNAV (GPS) Rwy 20<sup>3</sup>

RNAV (GPS) Rwy 28<sup>3</sup>

VOR Rwy 2<sup>4</sup>

NA when local weather not available.

<sup>1</sup>NA when control tower closed.

<sup>2</sup>ILS, Categories A, B, C, 700-2; Category D, 800-2 $\frac{1}{4}$ ; LOC, Category D, 800-2 $\frac{1}{4}$ .

<sup>3</sup>Category D, 800-2 $\frac{1}{4}$ .

<sup>4</sup>Category C, 800-2 $\frac{1}{4}$ , Category D, 800-2 $\frac{1}{2}$ .

**CARROLL, IA**

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

RNAV (GPS) Rwy 31

NA when local weather not available.

15 AUG 2019 to 12 SEP 2019

15 AUG 2019 to 12 SEP 2019

NAME ALTERNATE MINIMUMS

**CEDAR RAPIDS, IA**

THE EASTERN  
IOWA (CID).....**ILS or LOC Rwy 9<sup>1</sup>**  
**ILS or LOC Rwy 27<sup>2</sup>**  
**RNAV (GPS) Rwy 9**  
**RNAV (GPS) Rwy 27**

NA when local weather not available.

<sup>1</sup>NA when control tower closed.<sup>2</sup>ILS, 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 18**  
Category C, 900-2½; Category D, 1000-3.

**CLARINDA, IA**

SCHENCK FIELD (ICL).....**RNAV (GPS) Rwy 2**  
**RNAV (GPS) Rwy 20**  
Category C, 800-2¼; Category D, 800-2½.

**CLARION, IA**

CLARION MUNI (CAV).....**NDB Rwy 14**  
**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.

NAME ALTERNATE MINIMUMS

**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 2<sup>1</sup>**  
**LOC BC Rwy 20<sup>1</sup>**  
**VOR Rwy 13<sup>2</sup>**

<sup>1</sup>NA when control tower closed.<sup>2</sup>Categories A, B, 1000-2; Categories C, D, 1000-3.**COUNCIL BLUFFS, IA**

COUNCIL BLUFFS  
MUNI (CBF).....**ILS or LOC Rwy 36<sup>1</sup>**  
**RNAV (GPS) Rwy 18**  
**RNAV (GPS) Rwy 36**  
**VOR-A**

NA when local weather not available.

<sup>1</sup>Category 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.

**DES MOINES, IA**

DES MOINES  
INTL (DSM).....**ILS or LOC Rwy 5<sup>1</sup>**  
**ILS or LOC Rwy 13<sup>1</sup>**  
**ILS or LOC Rwy 31<sup>2</sup>**  
**RNAV (GPS) Rwy 5<sup>1</sup>**  
**RNAV (GPS) Rwy 13<sup>1</sup>**  
**RNAV (GPS) Rwy 23<sup>1</sup>**  
**RNAV (GPS) Rwy 31<sup>1</sup>**  
**VOR Rwy 23<sup>3</sup>**

<sup>1</sup>Category D, 900-2½.<sup>2</sup>LOC, Category D, 900-2½; Category E, 900-2¼.<sup>3</sup>Category C, 800-2½; Category D, 900-2½.



NAME ALTERNATE MINIMUMS

**JOPLIN, MO**

JOPLIN  
RGNL (JLN).....**ILS or LOC Rwy 18<sup>1</sup>**  
**ILS or LOC/NDB Rwy 13<sup>2,3</sup>**  
**LOC BC Rwy 31<sup>2</sup>**

<sup>1</sup>NA when control tower closed.

<sup>2</sup>NA when tower closed.

<sup>3</sup>ILS, 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 3<sup>1</sup>**  
**ILS or LOC Rwy 19<sup>2</sup>**  
**RNAV (GPS) Rwy 3<sup>3</sup>**  
**RNAV (GPS) Rwy 19<sup>4</sup>**  
**RNAV (GPS) Rwy 21<sup>3</sup>**

<sup>1</sup>ILS, LOC, Categories A, B, 900-2; Categories C, D, 900-2½.

<sup>2</sup>ILS, Categories A, B, C 800-2; Category D, 800-2½; LOC, Category D, 800-2½.

<sup>3</sup>Category D, 800-2½.

<sup>4</sup>Category 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.

**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.

NAME ALTERNATE MINIMUMS

**LEE'S SUMMIT, MO**

LEE'S SUMMIT  
MUNI (LXT).....**RNAV (GPS) Rwy 11**  
**RNAV (GPS) Rwy 18<sup>1</sup>**  
**RNAV (GPS) Rwy 29<sup>1</sup>**  
**RNAV (GPS) Rwy 36<sup>1</sup>**  
**VOR-A<sup>1</sup>**

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

<sup>1</sup>NA when local weather not available.

**MARSHALLTOWN, IA**

MARSHALLTOWN  
MUNI (MIW).....**RNAV (GPS) Rwy 13<sup>1</sup>**  
**RNAV (GPS) Rwy 31<sup>1</sup>**  
**VOR Rwy 13**  
**VOR Rwy 31**

NA when local weather not available.

<sup>1</sup>Category D, 900-2¼.

**MASON CITY, IA**

MASON CITY  
MUNI (MCV).....**ILS or LOC Rwy 36**  
**LOC BC Rwy 18**  
**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.

**MONETT, MO**

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

NA when local weather not available.

**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).....**RNAV (GPS) Rwy 15**  
**RNAV (GPS) Rwy 33**

NA when local weather not available.

15 AUG 2019 to 12 SEP 2019

15 AUG 2019 to 12 SEP 2019

NAME ALTERNATE MINIMUMS

**MUSCATINE, IA**

MUSCATINE  
MUNI (MUT).....RNAV (GPS) Rwy 6<sup>12</sup>  
RNAV (GPS) Rwy 12<sup>2</sup>  
RNAV (GPS) Rwy 24<sup>3</sup>  
RNAV (GPS) Rwy 30<sup>2</sup>

<sup>1</sup>Categories A, B, C, D, 800-2½.  
<sup>2</sup>NA when local weather not available.  
<sup>3</sup>Category 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  
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 34  
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.

**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.

NAME ALTERNATE MINIMUMS

**PERRYVILLE, MO**

PERRYVILLE  
RGNL (PCD).....RNAV (GPS) Rwy 2  
RNAV (GPS) Rwy 20  
VOR-A  
  
Category D, 800-2½.

**RED OAK, IA**

RED OAK  
MUNI (RDK).....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.

**ST. JOSEPH, MO**

ROSECRANS  
MEMORIAL (STJ).....ILS or LOC Rwy 35<sup>12</sup>  
LOC BC Rwy 17<sup>13</sup>  
RNAV (GPS) Rwy 13<sup>45</sup>  
RNAV (GPS) Rwy 17<sup>46</sup>  
RNAV (GPS) Rwy 31<sup>34</sup>  
RNAV (GPS) Rwy 35<sup>46</sup>  
VOR or TACAN Rwy 17<sup>6</sup>  
VOR or TACAN Rwy 35<sup>6</sup>

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>LOC, Category C, 800-2½; Category D, 900-2½; Category E, 1000-3.  
<sup>3</sup>Category C, 800-2½; Category D, 900-2½.  
<sup>4</sup>NA when local weather not available.  
<sup>5</sup>Category C, 800-2½; Category D, 900-2½.  
<sup>6</sup>Category C, 800-2½; Category D, 900-2½; Category E, 1000-3.

15 AUG 2019 to 12 SEP 2019

15 AUG 2019 to 12 SEP 2019

## NAME ALTERNATE MINIMUMS

**ST. LOUIS, MO**

SPIRIT OF  
ST. LOUIS (SUS).....**ILS or LOC Rwy 8R**<sup>23</sup>  
**ILS or LOC Rwy 26L**<sup>24</sup>  
**RNAV (GPS) Rwy 8L**<sup>1</sup>  
**RNAV (GPS) Rwy 8R**<sup>15</sup>  
**RNAV (GPS) Rwy 26L**<sup>16</sup>  
**RNAV (GPS) Rwy 26R**<sup>1</sup>

<sup>1</sup>NA when local weather not available.<sup>2</sup>NA when control tower closed.<sup>3</sup>ILS, Categories A, B, C, 700-2; Category D, 700-2½. LOC, NA.<sup>4</sup>ILS, Categories A, B, C, 700-2; Category D, 700-2½. LOC, Category D, 800-2½.<sup>5</sup>Category D, 800-2½.<sup>6</sup>Category D, 900-3.**SEDALIA, MO**

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

NA when local weather not available.

Category D, 800-2½.

**SHELDON, IA**

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

NA when local weather not available.

**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/BRIG GEN BUD DAY  
FIELD (SUX).....**ILS or LOC Rwy 13**<sup>12</sup>  
**ILS or LOC Rwy 31**<sup>12</sup>  
**RNAV (GPS) Rwy 13**<sup>3</sup>  
**RNAV (GPS) Rwy 17**<sup>4</sup>  
**RNAV (GPS) Rwy 31**<sup>3</sup>  
**RNAV (GPS) Rwy 35**<sup>4</sup>  
**VOR or TACAN Rwy 13**<sup>3</sup>

<sup>1</sup>NA when control tower closed.<sup>2</sup>LOC, Category D, 800-2½; Category E, 1000-3.<sup>3</sup>Category D, 800-2½; Category E, 1000-3.<sup>4</sup>Category D, 800-2½.

## NAME ALTERNATE MINIMUMS

**SPENCER, IA**

SPENCER  
MUNI (SPW).....**RNAV (GPS) Rwy 12**<sup>2</sup>  
**RNAV (GPS) Rwy 18**  
**RNAV (GPS) Rwy 30**<sup>1</sup>  
**RNAV (GPS) Rwy 36**  
**VOR Rwy 30**<sup>1</sup>

NA when local weather not available.

<sup>1</sup>Category C, 800-2½, Category D, 800-2½.<sup>2</sup>Category D, 800-2½.**SPRINGFIELD, MO**

SPRINGFIELD-BRANSON  
NATIONAL (SGF).....**ILS or LOC Rwy 2**<sup>1</sup>  
**ILS or LOC Rwy 14**<sup>4</sup>  
**RNAV (GPS) Rwy 2**<sup>2</sup>  
**RNAV (GPS) Rwy 20**<sup>2</sup>  
**RNAV (GPS) Rwy 32**<sup>2</sup>  
**VOR/DME or TACAN Rwy 2**<sup>3</sup>  
**VOR or TACAN Rwy 20**<sup>3</sup>

<sup>1</sup>ILS, Category D, 700-2, Category E, 900-3. LOC, Category E, 900-3.<sup>2</sup>NA when local weather not available.<sup>3</sup>Category E, 800-2½.<sup>4</sup>Category D, 700-2.**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**  
**VOR Rwy 36**

Category C, 800-2½.

**WASHINGTON, MO**

WASHINGTON  
RGNL (FYG).....**RNAV (GPS) Rwy 15**  
**RNAV (GPS) Rwy 33**  
**VOR-A**

Category C, 800-2½.

NA when local weather not available.

19227

NAME ALTERNATE MINIMUMS

NAME ALTERNATE MINIMUMS

**WATERLOO, IA**

WATERLOO

- RGNL (ALO).....**ILS or LOC Rwy 12<sup>12</sup>**
- LOC BC Rwy 30<sup>12</sup>**
- RNAV (GPS) Rwy 6<sup>3</sup>**
- RNAV (GPS) Rwy 12<sup>3</sup>**
- RNAV (GPS) Rwy 18<sup>3</sup>**
- RNAV (GPS) Rwy 24<sup>3</sup>**
- RNAV (GPS) Rwy 30<sup>3</sup>**
- RNAV (GPS) Rwy 36<sup>3</sup>**
- VOR Rwy 6<sup>3</sup>**
- VOR Rwy 12<sup>3</sup>**
- VOR Rwy 18<sup>3</sup>**
- VOR Rwy 24<sup>3</sup>**

<sup>1</sup>NA when control tower closed.

<sup>2</sup>LOC, Category D, 800-2¼.

<sup>3</sup>Category D, 800-2¼.

**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.

15 AUG 2019 to 12 SEP 2019

15 AUG 2019 to 12 SEP 2019

19227

M7