

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.

**BATTLE MOUNTAIN, NV**

BATTLE MOUNTAIN (BAM).....RNAV (GPS) Rwy 22<sup>1</sup>  
 VOR Rwy 4<sup>2</sup>

<sup>1</sup>Category D, 1000-3.  
<sup>2</sup>NA when local weather not available.

**BEAVER, UT**

BEAVER MUNI (U52).....RNAV (GPS)-A  
 Categories A, B, 1300-2; Category C, 1300-3.

**BLANDING, UT**

BLANDING MUNI (BDG).....RNAV (GPS) Rwy 35  
 NA when local weather not available.

**BOULDER CITY, NV**

BOULDER CITY MUNI (BVU).....RNAV (GPS) Rwy 27  
 Category B, 1200-2; Category C, 1800-3.

**BULLHEAD CITY, AZ**

LAUGHLIN/BULLHEAD INTL (IFP).....RNAV (GPS) Rwy 16<sup>1</sup>  
 RNAV (GPS) Rwy 34<sup>2</sup>  
 VOR Rwy 34<sup>3</sup>

<sup>1</sup>Categories A, B, 1300-2; Category C, 1300-3; Category D, 1700-3.  
<sup>2</sup>Categories A, B, 1100-2; Category C, 1100-3; Category D, 1700-3.  
<sup>3</sup>Categories A, B, 2200-2; Categories C, D, 2200-3.

**CARSON CITY, NV**

CARSON (CXP).....RNAV (GPS)-B  
 Categories A, B, 1700-2; Category C, 1700-3; Category D, 3000-3.

**CASA GRANDE, AZ**

CASA GRANDE MUNI (CGZ).....RNAV (GPS) Rwy 5  
 RNAV (GPS) Rwy 23

Category D, 800-2½.

**COLORADO CITY, AZ**

COLORADO CITY MUNI (AZC).....RNAV (GPS) Rwy 11  
 RNAV (GPS) Rwy 29

Categories C, D, 2100-3.

**COOLIDGE, AZ**

COOLIDGE MUNI (P08).....VOR Rwy 5  
 NA when local weather not available.

**ELKO, NV**

ELKO RGNL (EKO).....LDA/DME Rwy 24<sup>1</sup>  
 RNAV (GPS) Rwy 6<sup>2</sup>  
 RNAV (GPS) Rwy 24<sup>3</sup>  
 VOR/DME-B<sup>3</sup>

<sup>1</sup>Category B, 1000-2; Category C 1500-3; Category D, 1900-3.  
<sup>2</sup>Categories A, B, 1200-2; Category C 1500-3; Category D, 1900-3.  
<sup>3</sup>Categories A, B, 1300-2; Categories C, D, 1300-3.

**ELY, NV**

ELY AIRPORT/YELLAND FIELD (ELY).....RNAV (GPS) Rwy 18  
 NA when local weather not available.  
 Category D 1000-3.

**EUREKA, NV**

EUREKA (05U).....RNAV (GPS) Rwy 18  
 Categories A, B, 1900-2; Categories C, D, 1900-3.

**FLAGSTAFF, AZ**

FLAGSTAFF PULLIAM (FLG).....ILS or LOC Rwy 21<sup>1</sup>  
 RNAV (GPS) Rwy 3<sup>2</sup>  
 RNAV (GPS) Rwy 21<sup>2</sup>  
 VOR Rwy 21<sup>2</sup>

<sup>1</sup>ILS, LOC, Category C, 1100-3; Category, D, 1600-3.  
<sup>2</sup>Category C, 1100-3; Category, D, 1600-3.

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**FORT HUACHUCA SIERRA VISTA, AZ**

SIERRA VISTA MUNI-  
LIBBY AAF (FHU).....**ILS or LOC Rwy 26<sup>1</sup>**  
**RNAV (GPS) Rwy 8<sup>1</sup>**  
**RNAV (GPS) Rwy 26<sup>1</sup>**  
**TACAN Rwy 8<sup>23</sup>**  
**TACAN Rwy 26<sup>23</sup>**  
**VOR Rwy 26<sup>1</sup>**

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>NA when local weather not available.  
<sup>3</sup>NA when GCA closed.

**GLENDALE, AZ**

GLENDALE  
MUNI (GEU).....**RNAV (GPS) Rwy 1**  
**RNAV (GPS) Rwy 19**  
NA when local weather not available.

**GRAND CANYON, AZ**

GRAND CANYON NATIONAL  
PARK (GCN).....**ILS or LOC Rwy 3<sup>12</sup>**  
**RNAV (GPS) Rwy 3<sup>3</sup>**  
**VOR Rwy 3<sup>4</sup>**

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>ILS Category C, 700-2; Category D, 1100-3;  
LOC, Category D, 1100-3.  
<sup>3</sup>Category C, 800-3; Category D, 1100-3.  
<sup>4</sup>Category D, 1100-3.

**HAWTHORNE, NV**

HAWTHORNE  
INDUSTRIAL (HTH).....**RNAV (GPS) Rwy 28**  
Category C, 1500-3.

**HEBER, UT**

HEBER  
VALLEY (HCR).....**RNAV (GPS)-A**  
Categories, A, B, 2400-2; Category C, 2400-3.

**KANAB, UT**

KANAB MUNI (KNB).....**RNAV (GPS) Rwy 1**  
Category B, 1100-2; Category C, 1400-3.

**KINGMAN, AZ**

KINGMAN (IGM).....**RNAV (GPS) Rwy 3**  
**RNAV (GPS) Y Rwy 21**  
**VOR/DME Rwy 21**  
Category D, 800-2¼.

**LAS VEGAS, NV**

HENDERSON  
EXECUTIVE (HND).....**RNAV (GPS)-B<sup>1</sup>**  
**VOR-C<sup>2</sup>**  
NA when local weather not available.  
<sup>1</sup>Categories A, B, 1500-2; Category C,  
1500-3.  
<sup>2</sup>Categories A, B, 2400-2; Category C, 2400-3.

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**LAS VEGAS, NV (CON'T)**

MC CARRAN  
INTL (LAS).....**ILS or LOC Rwy 1L<sup>1</sup>**  
**ILS or LOC Rwy 26L<sup>2</sup>**  
**ILS or LOC Rwy 26R<sup>2</sup>**  
**RNAV (GPS) Rwy 1R<sup>3</sup>**  
**RNAV (GPS) Rwy 19L<sup>3</sup>**  
**RNAV (GPS) Rwy 19R<sup>3</sup>**  
**VOR Rwy 26L/R<sup>3</sup>**  
**VOR/DME -A<sup>4</sup>**

<sup>1</sup>ILS, LOC, Categories A, B, 900-2; Category C,  
1000-2¾.  
<sup>2</sup>ILS, LOC, Categories A, B, 900-2; Category C,  
1000-2¾, Categories D, E, 1400-3.  
<sup>3</sup>Categories A, B, 900-2; Category C, 1000-2¾,  
Categories D, 1400-3.  
<sup>4</sup>Categories A, B, 900-2; Categories C, D, 1100-3.

NORTH LAS

VEGAS (VGT).....**ILS or LOC Rwy 12L**  
NA when control tower closed.

**LOGAN, UT**

LOGAN-CACHE (LGU).....**RNAV (GPS) Rwy 17**  
Categories A, B, 1400-2; Categories C, D, 1400-3.

**LOVELOCK, NV**

DERBY  
FIELD (LOL).....**RNAV (GPS) Rwy 2<sup>1</sup>**  
**RNAV (GPS) Rwy 20<sup>1</sup>**  
**VOR-A<sup>2</sup>**

<sup>1</sup>Category D, 800-2½.  
<sup>2</sup>Categories A, B, 900-2; Category C, 900-2¾;  
Category D, 1000-3.

**MESA, AZ**

FALCON FIELD (FFZ).....**RNAV (GPS) Rwy 4L<sup>1</sup>**  
**RNAV (GPS) Rwy 4R<sup>1</sup>**  
**RNAV (GPS)-B<sup>2</sup>**

<sup>1</sup>NA when local weather not available.  
<sup>2</sup>NA when control tower closed.

**MILFORD, UT**

MILFORD MUNI/BEN AND JUDY  
BRISCOE FIELD (MLF).....**RNAV (GPS) Rwy 16**  
**RNAV (GPS) Rwy 34**  
**VOR/DME-A**  
NA when local weather not available.

**MINDEN, NV**

MINDEN-TAHOE (MEV).....**RNAV (GPS)-A<sup>1</sup>**  
**RNAV (GPS)-B<sup>2</sup>**  
<sup>1</sup>Categories A, B, 1900-2; Categories C, D,  
1900-3.  
<sup>2</sup>Categories A, B, 1800-2; Categories C, D,  
1800-3.

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**OGDEN, UT**

OGDEN-  
HINCKLEY (OGD).....**ILS or LOC Rwy 3<sup>1</sup>**  
**RNAV (GPS) Rwy 3<sup>2,3</sup>**  
**VOR-A<sup>2</sup>**

- <sup>1</sup>NA when control tower closed.
- <sup>2</sup>NA when local weather not available.
- <sup>3</sup>Category D, 800-2¼.

**PANGUITCH, UT**

PANGUITCH  
MUNI (U55)..... **RNAV (GPS) Rwy 18**  
**RNAV (GPS) Rwy 36<sup>1</sup>**

- NA when local weather not available.
- <sup>1</sup>Categories A, B, 1200-2.

**PHOENIX, AZ**

PHOENIX DEER  
VALLEY (DVT).....**RNAV (GPS)-B<sup>1</sup>**  
**RNAV (GPS) Rwy 7R<sup>2</sup>**  
**RNAV (GPS) Rwy 25L<sup>2</sup>**

- NA when local weather not available.
- <sup>1</sup>Categories A, B, 1000-2; Category C, 1000-2¾.
- <sup>2</sup>Categories A, B, 1000-2; Category C, 1000-2¾; Category D, 1000-3.

**PHOENIX-MESA**

GATEWAY (IWA).....**ILS or LOC Rwy 30C<sup>1,4</sup>**  
**RNAV (GPS) Rwy 12C<sup>2</sup>**  
**RNAV (GPS) Rwy 12R<sup>3</sup>**  
**RNAV (GPS) Rwy 30R**  
**RNAV (GPS) Y Rwy 30C<sup>2</sup>**  
**RNAV (GPS) Rwy 30L<sup>2</sup>**  
**VOR or TACAN Rwy 30C<sup>2</sup>**

- NA when local weather not available.
- <sup>1</sup>NA when control tower closed.
- <sup>2</sup>Category E, 800-2¼.
- <sup>3</sup>Category E, 1100-3.
- <sup>4</sup>ILS, Category E, 700-2¼; LOC Category E, 800-2¼.

**PHOENIX SKY HARBOR**

INTL (PHX).....**ILS or LOC/DME Rwy 7L<sup>1</sup>**  
**ILS or LOC Rwy 7R<sup>1</sup>**  
**ILS or LOC Rwy 8<sup>1</sup>**  
**ILS or LOC Rwy 25L<sup>1</sup>**  
**ILS or LOC Rwy 26<sup>1</sup>**  
**RNAV (GPS) Y Rwy 7L<sup>2</sup>**  
**RNAV (GPS) Y Rwy 7R<sup>2</sup>**  
**RNAV (GPS) Y Rwy 8<sup>2</sup>**  
**RNAV (GPS) Y Rwy 25L<sup>2</sup>**  
**RNAV (GPS) Y Rwy 25R<sup>2</sup>**  
**RNAV (GPS) Y Rwy 26<sup>2</sup>**

- <sup>1</sup>LOC, Category C, 1000-2¾; Category D, 1500-3.
- <sup>2</sup>Category C, 1000-2¾; Category D, 1500-3.

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**PRESCOTT, AZ**

PRESCOTT RGNL - ERNEST A LOVE  
FLD (PRC).....**ILS or LOC/DME Rwy 21L<sup>1,2</sup>**  
**RNAV (GPS) Y Rwy 3R<sup>3</sup>**  
**RNAV (GPS) Rwy 12<sup>3</sup>**  
**RNAV (GPS) Rwy 21L<sup>3</sup>**  
**VOR Rwy 12<sup>4</sup>**

- <sup>1</sup>NA when control tower closed.
- <sup>2</sup>ILS, Category B, 700-2; Category C, 1100-3; Category D, 1700-3. LOC, Category C, 1100-3; Category D, 1700-3.
- <sup>3</sup>Category C, 1100-3; Category D, 1700-3.
- <sup>4</sup>Categories C, D, 1100-3.

**PRICE, UT**

CARBON COUNTY RGNL/BUCK DAVIS  
FIELD (PUC).....**RNAV (GPS) Rwy 1**  
Category B, 1000-2; Category C, 1200-3.

**PROVO, UT**

PROVO  
MUNI (PVU).....**ILS or LOC Rwy 13**  
NA when control tower closed.  
ILS, Categories A, B, C, 800-2; Category D, 800-2½; LOC, Category D, 800-2½.

**RENO, NV**

RENO/TAHOE  
INTL (RNO).....**ILS or LOC/DME Rwy 34L<sup>2</sup>**  
**ILS X or LOC X Rwy 16R<sup>1</sup>**  
**ILS Y Rwy 16R<sup>10</sup>**  
**ILS Z or LOC Z Rwy 16R<sup>1</sup>**  
**LOC Y Rwy 16R<sup>2</sup>**  
**RNAV (GPS) X Rwy 34L<sup>4</sup>**  
**RNAV (GPS) X Rwy 34R<sup>2,22</sup>**  
**RNAV (GPS) X Rwy 16L<sup>5</sup>**  
**RNAV (GPS) X Rwy 16R<sup>6</sup>**  
**RNAV (RNP) Y Rwy 16L<sup>9</sup>**  
**RNAV (RNP) Y Rwy 16R<sup>9</sup>**  
**RNAV (RNP) Z Rwy 16L<sup>7</sup>**  
**RNAV (RNP) Z Rwy 16R<sup>7</sup>**  
**TACAN-F<sup>11</sup>**  
**VOR-D<sup>8</sup>**

- <sup>1</sup>Categories A, B, 1100-2; Categories C, D, 2100-3.
- <sup>2</sup>ILS, LOC, Categories A, B, 1000-2; Category C, 1000-2¾.
- <sup>3</sup>Categories A, B, 1600-2; Categories C, D, 2100-3; Category E, 2300-3.
- <sup>4</sup>Categories A, B, 1000-2; Category C, 1000-2¾; Category D, 1000-3.
- <sup>5</sup>Categories A, B, 1000-2; Categories C, D, 2100-3.
- <sup>6</sup>Categories A, B, 1800-2; Categories C, D, 1800-3.
- <sup>7</sup>Categories A, B, C, 800-2½.
- <sup>8</sup>Categories A, B, 1600-2; Categories C, D, 1600-3.
- <sup>9</sup>Categories A, B, C, D, 800-2½.
- <sup>10</sup>Categories A, B, C, D, E, 1500-6.
- <sup>11</sup>Categories A, B, 1600-2; Categories C, D, 2000-3; Category E, 2100-3.
- <sup>22</sup>Categories A, B, 1200-4; Categories C, D, 2100-4.

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**SAFFORD, AZ**

SAFFORD RGNL (SAD).....RNAV (GPS) Rwy 12  
RNAV (GPS) Rwy 30

NA when local weather not available.

**ST GEORGE, UT**

ST GEORGE

RGNL (SGU).....RNAV (GPS) Rwy 1<sup>1</sup>  
RNAV (GPS) Rwy 19<sup>2</sup>

<sup>1</sup>Categories A, B, 900-2; Categories C, 900-2¼.

<sup>2</sup>Categories A, B, 1100-2, Categories C, D, 1100-3.

**ST JOHNS, AZ**

ST JOHNS INDUSTRIAL

AIR PARK (SJN).....RNAV (GPS) Rwy 14

NA when local weather not available.

**SCOTTSDALE, AZ**

SCOTTSDALE (SDL).....RNAV (GPS)-D  
RNAV (GPS)-E  
VOR/DME-A<sup>1</sup>

NA when local weather not available.

<sup>1</sup>Categories A, B, 900-2, Category C, 900-2¼,

Category D, 900-2¼.

**SHOW LOW, AZ**

SHOW LOW

RGNL (SOW).....RNAV (GPS) Rwy 25

NA when local weather not available.

Category C, 800-2¼, Category D, 1000-3.

**TONOPAH, NV**

TONOPAH (TPH).....

VOR or GPS-A

Category D, 800-2¼.

**TOOELE, UT**

BOLINDER FIELD-TOOELE

VALLEY (TVY).....ILS or LOC Rwy 17<sup>1</sup>  
RNAV (GPS) Rwy 17<sup>2</sup>

<sup>1</sup>ILS, Category C, 800-2; Category D, 1100-3;

LOC, Category D, 1100-3.

<sup>2</sup>Category D, 1100-3.

**TUCSON, AZ**

RYAN

FIELD (RYN).....RNAV (GPS) Rwy 6R

Category D, 1000-3.

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**TUCSON, AZ (CON'T)**

TUCSON

INTL (TUS).....ILS or LOC Rwy 11L<sup>1</sup>  
LOC BC Rwy 29R<sup>2</sup>  
RNAV (GPS) Rwy 29L<sup>3</sup>  
RNAV (GPS) Z Rwy 11L<sup>4</sup>  
RNAV (GPS) Z Rwy 29R<sup>2</sup>  
VOR or TACAN Rwy 29R<sup>2</sup>  
VOR or TACAN Rwy 11L<sup>2</sup>

<sup>1</sup>LOC, Categories A, B, 900-2;

Category C, 900-2¼; Category D, 900-2¼;

Category E, 1200-3.

<sup>2</sup>Category E, 1200-3.

<sup>3</sup>Category D, 800-2¼.

<sup>4</sup>Category D, 800-2¼; Category E, 1200-3.

**VERNAL, UT**

VERNAL

RGNL (VEL).....RNAV (GPS) Y Rwy 35<sup>1</sup>  
RNAV (GPS) Z Rwy 35<sup>2</sup>  
VOR Rwy 35<sup>3</sup>

<sup>1</sup>Categories A, B, 1100-2; Category C, 1100-3;

Category D, 1200-3.

<sup>2</sup>Categories A, B, C, D, 900-3.

<sup>3</sup>Category C, 800-3; Category D, 1200-3.

**WENDOVER, UT**

WENDOVER (ENV).....

RNAV (GPS)-A<sup>34</sup>  
RNAV (GPS)-C<sup>45</sup>  
VOR/DME-B<sup>1</sup>  
VOR/DME or TACAN Rwy 26<sup>2</sup>

<sup>1</sup>Categories A, B, 1300-2; Category C, 1300-3;

Category D, E 1500-3.

<sup>2</sup>Category D, 900-2¼; Category E, 1500-3.

<sup>3</sup>Categories A, B, 1900-2; Categories C, D, E,

1900-3.

<sup>4</sup>NA when local weather not available.

<sup>5</sup>Categories A, B, 1800-2; Categories C, D, E,

1800-3.

**WINDOW ROCK, AZ**

WINDOW ROCK (RQE).....RNAV (GPS) Rwy 3<sup>1</sup>  
RNAV (GPS)-B<sup>2</sup>  
VOR-A<sup>2</sup>

NA when local weather not available.

<sup>1</sup>Categories A, B, 1000-2; Category C, 1100-3.

<sup>2</sup>Categories A, B, 1000-2; Category C, 1100-3;

Category D, 1400-3.

**WINNEMUCCA, NV**

WINNEMUCCA

MUNI (WMC).....RNAV (GPS) Rwy 14<sup>12</sup>  
RNAV (GPS) Rwy 32<sup>1</sup>  
VOR Rwy 14<sup>3</sup>

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

<sup>2</sup>Category C, 800-2¼; Category D, 800-2¼.

<sup>3</sup>Category C, 1000-3.

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