

INSTRUMENT APPROACH PROCEDURE CHARTS

**A** 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. **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	<b>600-2</b>	<b>800-2</b>
<b>A</b> 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, SDF, ASR, RNAV (GPS) and RNAV (RNP).

NAME ALTERNATE MINIMUMS

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**BATTLE MOUNTAIN, NV**

BATTLE  
MOUNTAIN (BAM).....RNAV (GPS) Rwy 4<sup>1,2</sup>  
RNAV (GPS) Rwy 22<sup>3</sup>  
VOR Rwy 4<sup>2</sup>

<sup>1</sup>Cat A, B 1000-2, Cat C 1000-2½.  
<sup>2</sup>NA when local weather not available.  
<sup>3</sup>Cat D 1000-3.

**BEAVER, UT**

BEAVER MUNI (U52).....RNAV (GPS)-A  
Cat A, B 1300-2, Cat C 1800-3.

**BLANDING, UT**

BLANDING MUNI (BDG).....RNAV (GPS) Rwy 35  
Cat C 900-2½.  
NA when local weather not available.

**BOULDER CITY, NV**

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

**BULLHEAD CITY, AZ**

LAUGHLIN/BULLHEAD  
INTL (IFP).....RNAV (GPS) Rwy 16<sup>1,2</sup>  
RNAV (GPS) Rwy 34<sup>3</sup>  
VOR Rwy 34<sup>4</sup>

<sup>1</sup>Cat A 800-2½, Cat B 900-2½, Cat C 1100-3, Cat D 1700-3.  
<sup>2</sup>NA when local weather not available.  
<sup>3</sup>Cat A, B 1100-2, Cat C 1100-3, Cat D 1700-3.  
<sup>4</sup>Cat A, B 2200-2, Cat C, D 2200-3.

**CARSON CITY, NV**

CARSON CITY (CXP).....RNAV (GPS)-B  
Cat A, B 1700-2, Cat C 1700-3, Cat D 3000-3.

**CASA GRANDE, AZ**

CASA GRANDE  
MUNI (CGZ).....RNAV (GPS) Rwy 5  
RNAV (GPS) Rwy 23<sup>1</sup>

Cat D 800-2½.  
<sup>1</sup>NA when local weather not available.

30 OCT 2025 to 27 NOV 2025

30 OCT 2025 to 27 NOV 2025

NAME ALTERNATE MINIMUMS

**CEDAR CITY, UT**

CEDAR CITY RGNL (CDC)...RNAV (GPS) Rwy 2<sup>1</sup>  
RNAV (GPS) Rwy 20  
VOR Rwy 20<sup>2</sup>

NA when local weather not available.

<sup>1</sup>Cat A, B, C, D 900-2½.

<sup>2</sup>Cat D 800-2¼.

**COLORADO CITY, AZ**

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

Cat C, D 2100-3.

**COOLIDGE, AZ**

COOLIDGE MUNI (P08).....RNAV (GPS) Rwy 23  
VOR Rwy 5

NA when local weather not available.

**DOUGLAS BISBEE, AZ**

BISBEE DOUGLAS  
INTL (DUG).....RNAV (GPS) Rwy 17<sup>1</sup>  
VOR/DME Rwy 17<sup>1</sup>  
VOR Rwy 17<sup>2</sup>

<sup>1</sup>Cat D 1100-3.

<sup>2</sup>Cat C 800-2½, Cat D 1100-3.

**ELKO, NV**

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

<sup>1</sup>Cat A, B 1200-2, Cat C 1500-3, Cat D 1900-3.

<sup>2</sup>Cat B 1000-2, Cat C 1500-3, Cat D 1900-3.

**ELY, NV**

ELY/YELLAND FLD (ELY)...RNAV (GPS) Rwy 18<sup>1</sup>  
VOR-C<sup>2</sup>

NA when local weather not available.

<sup>1</sup>Cat A, B, C 1100-4, Cat D 2000-4.

<sup>2</sup>Cat A, B 1900-2, Cat C 1900-3, Cat D 2000-3.

**EUREKA, NV**

EUREKA (05U).....RNAV (GPS) Rwy 18  
Cat A, B, C, D 2000-6.

**FILLMORE, UT**

FILLMORE MUNI (FOM).....RNAV (GPS) Rwy 4  
RNAV (GPS) Rwy 22

Cat C 1300-3.

NA when local weather not available.

NAME ALTERNATE MINIMUMS

**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 Cat C 1100-3, Cat D 1600-3.

<sup>2</sup>Cat C 1100-3, Cat D 1600-3.

**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>  
VOR Rwy 26<sup>1</sup>  
TACAN Rwy 8<sup>23</sup>  
TACAN Rwy 26<sup>23</sup>

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

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

<sup>3</sup>NA when local weather not available.

**GLENDALE, AZ**

GLENDALE RGNL (GEU).....RNAV (GPS) Rwy 1  
RNAV (GPS) Rwy 19

NA when local weather not available.

**GRAND CANYON, AZ**

GRAND CANYON  
NTL 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>ILS Cat C 700-2, Cat D 1100-3; LOC Cat D 1100-3.

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

<sup>3</sup>Cat C 800-3, Cat D 1100-3.

<sup>4</sup>Cat D 1100-3.

**HAWTHORNE, NV**

HAWTHORNE  
INDUSTRIAL (HTH).....RNAV (GPS) Rwy 28  
Cat C 1500-3.

**HEBER, UT**

HEBER VALLEY (HCR).....RNAV (GPS)-A  
Cat A, B 2400-2, Cat C 2400-3.

**KANAB, UT**

KANAB MUNI (KNB).....RNAV (GPS) Rwy 1  
Cat B 1300-2, Cat C 1600-3.

30 OCT 2025 to 27 NOV 2025

30 OCT 2025 to 27 NOV 2025

NAME ALTERNATE MINIMUMS

**KINGMAN, AZ**

KINGMAN (IGM).....RNAV (GPS) Rwy 3<sup>1</sup>  
 RNAV (GPS) Y Rwy 21<sup>1</sup>  
 VOR/DME Rwy 21<sup>2</sup>

<sup>1</sup>Cat C, D 1000-3.<sup>2</sup>Cat C 1000-3, Cat D 1900-3.**LAKE HAVASU CITY, AZ**

LAKE HAVASU CITY (HII)....RNAV (GPS) Rwy 14<sup>1</sup>  
 RNAV (GPS) Rwy 32<sup>2</sup>  
 VOR-A<sup>3</sup>

NA when local weather not available.

<sup>1</sup>Cat A, B 1600-2, Cat C, D 1600-3.<sup>2</sup>Cat A, B 900-2, Cat C 1100-3, Cat D 1400-3.<sup>3</sup>Cat A, B 1100-2, Cat C 1100-3, Cat D 1400-3.**LAS VEGAS, NV**

HARRY REID INTL (LAS).....ILS or LOC Rwy 1L<sup>1</sup>  
 ILS Y or LOC Y Rwy 26L<sup>1</sup>  
 ILS Y or LOC Y Rwy 26R<sup>1</sup>  
 ILS Z or LOC Z Rwy 26L<sup>2</sup>  
 ILS Z or LOC Z Rwy 26R<sup>2</sup>  
 RNAV (GPS) Rwy 1R<sup>3</sup>  
 RNAV (GPS) Y Rwy 19L<sup>3</sup>  
 RNAV (GPS) Y Rwy 19R<sup>3</sup>  
 VOR/DME-A<sup>4</sup>  
 VOR Rwy 26LR<sup>3</sup>

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

HENDERSON EXEC (HND).....RNAV (GPS)-B<sup>1</sup>  
 VOR-C<sup>2</sup>

NA when local weather not available.

<sup>1</sup>Cat A, B 1400-2, Cat C 1400-3.<sup>2</sup>Cat A, B 2400-2, Cat C 2400-3.**NORTH**

LAS VEGAS (VGT).....ILS or LOC Rwy 12L<sup>1</sup>  
 RNAV (GPS) Rwy 12R<sup>2</sup>

NA when local weather not available.

<sup>1</sup>NA when control tower closed.<sup>2</sup>Cat D 1400-3.**LOGAN, UT**

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

NAME ALTERNATE MINIMUMS

**LOVELOCK, NV**

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

<sup>1</sup>Cat D 800-2½.<sup>2</sup>Cat A, B 900-2, Cat C 900-2¾, Cat D 1000-3.**MANTI, UT**

MANTI-EPHRAIM (41U).....RNAV (GPS) Rwy 3  
 Cat C 800-2¾, Cat D 2200-3.

**MARANA, AZ**

MARANA RGNL (AVQ).....RNAV (GPS)-E  
 Cat C 800-2¾.  
 NA when local weather not available.

**MESA, AZ**

FALCON FLD (FFZ).....RNAV (GPS) Rwy 4L  
 RNAV (GPS) Rwy 4R  
 RNAV (GPS)-B

NA when local weather not available.

**MILFORD, UT**

MILFORD MUNI/BEN AND JUDY BRISCOE  
 FLD (MLF).....RNAV (GPS) Rwy 16<sup>1</sup>  
 RNAV (GPS) Rwy 34<sup>1</sup>  
 VOR/DME -A<sup>2</sup>  
 VOR/DME-A<sup>1</sup>

<sup>1</sup>NA when local weather not available.<sup>2</sup>Cat C 1300-3, Cat D 1500-3.**MINDEN, NV**

MINDEN-TAHOE (MEV).....RNAV (GPS) Rwy 16<sup>1</sup>  
 RNAV (GPS) Rwy 34<sup>2</sup>

<sup>1</sup>Cat A, B, C 1500-5, Cat D 1800-5.<sup>2</sup>Cat A, B 1000-2½, Cat C 1200-3.**MOAB, UT**

CANYONLANDS  
 RGNL (CNY).....RNAV (GPS) Rwy 3  
 VOR-A

Cat C 1100-3, Cat D 1700-3.

**NOGALES, AZ**

NOGALES INTL (OLS).....RNAV (GPS)-A<sup>1</sup>  
 VOR-B<sup>2</sup>

<sup>1</sup>Cat A, B 2600-2, Cat C 2600-3, Cat D 2900-3.<sup>2</sup>Cat A, B 2700-2, Cat C 2700-3, Cat D 2900-3.

NAME ALTERNATE MINIMUMS

**OGDEN, UT**

OGDEN-HINCKLEY (OGD).....**ILS or LOC Rwy 3<sup>1</sup>**  
**RNAV (GPS) Rwy 3<sup>23</sup>**  
**VOR-A<sup>23</sup>**

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

**OWYHEE, NV**

OWYHEE (10U).....**RNAV (GPS) Rwy 5**  
Cat D 1500-3.

**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>Cat A, B 1200-2.

**PAYSON, AZ**

PAYSON (PAN).....**RNAV (GPS) Rwy 24**  
Cat D 1000-3.

**PHOENIX, AZ**

MESA GATEWAY (IWA).....**ILS or LOC Rwy 30C<sup>123</sup>**  
**RNAV (GPS) Rwy 12C<sup>4</sup>**  
**RNAV (GPS) Rwy 12R<sup>35</sup>**  
**RNAV (GPS) Rwy 30L<sup>34</sup>**  
**RNAV (GPS) Rwy 30R<sup>3</sup>**  
**RNAV (GPS) Y Rwy 30C<sup>34</sup>**  
**VOR or TACAN Rwy 30C<sup>34</sup>**

<sup>1</sup>ILS Cat E 700-2¼; LOC Cat E 800-2¼.  
<sup>2</sup>NA when control tower closed.  
<sup>3</sup>NA when local weather not available.  
<sup>4</sup>Cat E 800-2¼.  
<sup>5</sup>Cat E 1100-3.

PHOENIX

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

NA when local weather not available.  
<sup>1</sup>Cat A, B 1000-2, Cat C 1200-3, Cat D 1300-3.  
<sup>2</sup>Cat A, B 1000-2, Cat C 1200-3.

NAME ALTERNATE MINIMUMS

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

PHOENIX SKY HARBOR  
INTL (PHX).....**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>**  
**ILS or LOC/DME Rwy 7L<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>3</sup>**  
**RNAV (GPS) Y Rwy 25L<sup>3</sup>**  
**RNAV (GPS) Y Rwy 25R<sup>2</sup>**  
**RNAV (GPS) Y Rwy 26<sup>3</sup>**

<sup>1</sup>LOC Cat C 1000-2¾, Cat D 1500-3.  
<sup>2</sup>Cat C 1000-2¾, Cat D 1500-3.  
<sup>3</sup>Cat C 1000-2¾, Cat D 1300-3.

**PRESCOTT, AZ**

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

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

**PRICE, UT**

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

**PROVO, UT**

PROVO MUNI (PVU).....**ILS or LOC Rwy 13<sup>12</sup>**  
**RNAV (GPS) Rwy 13<sup>3</sup>**

<sup>1</sup>LOC Cat D 800-2½.  
<sup>2</sup>NA when control tower closed.  
<sup>3</sup>Cat D 800-2½.

30 OCT 2025 to 27 NOV 2025

30 OCT 2025 to 27 NOV 2025



25219

NAME ALTERNATE MINIMUMS

NAME ALTERNATE MINIMUMS

**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>

NA when local weather not available.  
<sup>1</sup>Cat A, B 1100-2, Cat C 1100-3, Cat D 1200-3.  
<sup>2</sup>Cat A, B, C, D 1000-2½.  
<sup>3</sup>Cat A, B 900-2, Cat C 900-2¾, Cat D 1200-3.

**WENDOVER, UT**

WENDOVER (ENV).....RNAV (GPS)-A<sup>1,2</sup>  
RNAV (GPS)-C<sup>2,3</sup>  
VOR/DME-B<sup>4</sup>  
VOR/DME or TACAN Rwy 26<sup>5</sup>

<sup>1</sup>Cat A, B 1900-2, Cat C, D, E 1900-3.  
<sup>2</sup>NA when local weather not available.  
<sup>3</sup>Cat A, B 1800-2, Cat C, D, E 1800-3.  
<sup>4</sup>Cat A, B 1300-2, Cat C 1300-3, Cat D, E 1500-3.  
<sup>5</sup>Cat D 900-2¾, Cat E 1500-3.

**WILLCOX, AZ**

COCHISE COUNTY (P33).....RNAV (GPS) Rwy 3  
RNAV (GPS) Rwy 21

NA when local weather not available.

**WILLIAMS, AZ**

H A CLARK MEML  
FLD (CMR).....RNAV (GPS) Rwy 18  
Cat A, B 900-2, Cat C, D 1400-3.

**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>Cat A, B 1000-2, Cat C 1100-3.  
<sup>2</sup>Cat A, B 1000-2, Cat C 1100-3, Cat D 1400-3.

**WINNEMUCCA, NV**

WINNEMUCCA  
MUNI (WMC).....RNAV (GPS) Rwy 14<sup>1</sup>  
RNAV (GPS) Rwy 32

NA when local weather not available.  
<sup>1</sup>Cat C 800-2¼, Cat D 800-2½.

**WINSLOW, AZ**

WINSLOW-LINDBERGH  
RGNL (INW).....VOR or GPS Rwy 11  
Cat D 800-2½.

30 OCT 2025 to 27 NOV 2025

30 OCT 2025 to 27 NOV 2025

25219