

INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability.

ANA 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.

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 | |
| US Military (USA/USN/USAF) | See Service Regulations | |

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

BATTLE MOUNTAIN, NV

BATTLE MOUNTAIN (BAM).....RNAV (GPS) Rwy 22¹
VOR Rwy 4²

¹Category D, 1000-3.
²NA when local weather not available.

BEAVER, UT

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

BLANDING, UT

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

BOULDER CITY, NV

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

NAME ALTERNATE MINIMUMS

BULLHEAD CITY, AZ

LAUGHLIN/BULLHEAD INTL (IFP).....RNAV (GPS) Rwy 16¹²
RNAV (GPS) Rwy 34³
VOR Rwy 34⁴

¹NA when local weather not available.
²Category A, 800-2½; Category B, 900-2½; Category C, 1100-3; Category D, 1700-3.
³Categories A, B, 1100-2; Category C, 1100-3; Category D, 1700-3.
⁴Categories A, B, 2200-2; Categories C, D, 2200-3.

CARSON CITY, NV

CARSON CITY (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 23¹

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

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NAME ALTERNATE MINIMUMS

CEDAR CITY, UT

CEDAR CITY
 RGNL (CDC).....**RNAV (GPS) Rwy 2¹**
RNAV (GPS) Rwy 20
VOR Rwy 20²

NA when local weather not available.

¹Categories A, B, C, D, 900-2½.

²Category D, 800-2¼.

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).....**RNAV (GPS) Rwy 23**
VOR Rwy 5

NA when local weather not available.

DOUGLAS BISBEE, AZ

BISBEE DOUGLAS
 INTL (DUG).....**RNAV (GPS) Rwy 17¹**
VOR/DME Rwy 17¹
VOR Rwy 17²

¹Category D, 1100-3.

²Category C, 800-2½; Category D, 1100-3.

ELKO, NV

ELKO RGNL (EKO).....**LDA/DME Rwy 24¹**
RNAV (GPS) Rwy 6²
RNAV (GPS) Rwy 24²
VOR/DME-B³

¹Category B, 1000-2; Category C 1500-3;

Category D, 1900-3.

²Categories A, B, 1200-2; Category C 1500-3;

Category D, 1900-3.

³Categories A, B, 1300-2; Categories C, D, 1300-3.

ELY, NV

ELY/YELLAND
 FLD (ELY).....**RNAV (GPS) Rwy 18¹²**
VOR-C³

¹NA when local weather not available.

²Categories A, B, C, 1100-4; Category D, 2000-4.

³Categories A, B, 1800-2; Category C, 1800-3;

Category D, 2000-3.

EUREKA, NV

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

FILLMORE, UT

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

NA when local weather not available.

Category C 1300-3.

NAME ALTERNATE MINIMUMS

FLAGSTAFF, AZ

FLAGSTAFF
 PULLIAM (FLG).....**ILS or LOC Rwy 21¹**
RNAV (GPS) Rwy 3²
RNAV (GPS) Rwy 21²
VOR Rwy 21²

¹ILS, LOC, Category C, 1100-3; Category, D,
 1600-3.

²Category C, 1100-3; Category, D, 1600-3.

FORT HUACHUCA SIERRA VISTA, AZ

SIERRA VISTA MUNI-
 LIBBY AAF (FHU).....**ILS or LOC Rwy 26¹**
RNAV (GPS) Rwy 8¹
RNAV (GPS) Rwy 26¹
TACAN Rwy 8²³
TACAN Rwy 26²³
VOR Rwy 26¹

¹NA when control tower closed.

²NA when local weather not available.

³NA 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 NTL
 PARK (GCN).....**ILS or LOC Rwy 3¹²**
RNAV (GPS) Rwy 3³
VOR Rwy 3⁴

¹NA when control tower closed.

²ILS Category C, 700-2; Category D, 1100-3;

LOC, Category D, 1100-3.

³Category C, 800-3; Category D, 1100-3.

⁴Category 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, 1300-2; Category C, 1600-3.

KINGMAN, AZ

KINGMAN (IGM).....**RNAV (GPS) Rwy 3¹**
RNAV (GPS) Y Rwy 21¹
VOR/DME Rwy 21²

¹Categories C, D, 1000-3.

²Category C, 1000-3; Category D, 1900-3.

NAME ALTERNATE MINIMUMS

LAKE HAVASU CITY, AZ

LAKE HAVASU CITY (HII).....RNAV (GPS) Rwy 14¹
RNAV (GPS) Rwy 32²
VOR-A³

NA when local weather not available.
¹Categories A, B, 1600-2; Categories C, D, 1600-3.
²Categories A, B, 900-2; Category C 1100-3; Category D 1400-3.
³Categories A, B, 1100-2; Category C 1100-3; Category D 1400-3.

LAS VEGAS, NV

HENDERSON EXEC (HND).....RNAV (GPS)-B¹
VOR-C²

NA when local weather not available.
¹Categories A, B, 1400-2; Category C, 1400-3.
²Categories A, B, 2400-2; Category C, 2400-3.

HARRY REID

INTL (LAS).....ILS or LOC Rwy 1L¹
ILS or LOC Rwy 26L²
ILS or LOC Rwy 26R²
RNAV (GPS) Rwy 1R³
RNAV (GPS) Y Rwy 19L³
RNAV (GPS) Y Rwy 19R³
VOR Rwy 26L/R³
VOR/DME-A⁴

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

NORTH LAS

VEGAS (VGT).....ILS or LOC Rwy 12L¹
RNAV (GPS) Rwy 12R²

NA when local weather not available.
¹NA when control tower closed.
²Category D, 1400-3.

LOGAN, UT

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

LOVELOCK, NV

DERBY FLD (LOL).....RNAV (GPS) Rwy 2¹
RNAV (GPS) Rwy 20¹
VOR-A²

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

MARANA, AZ

MARANA RGNL (AVQ).....RNAV (GPS)-E
NA when local weather not available.
Category C, 800-2¼.

NAME ALTERNATE MINIMUMS

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
RNAV (GPS) Rwy 34
VOR/DME-A¹

NA when local weather not available.
¹Category C, 1300-3; Category D, 1500-3.

MINDEN, NV

MINDEN-TAHOE (MEV).....RNAV (GPS)-A¹
RNAV (GPS)-B²

¹Categories A, B, 1900-2; Categories C, D, 1900-3.
²Categories A, B, 1800-2; Categories C, D, 1800-3.

MOAB, UT

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

Category C, 1100-3; Category D, 1700-3.

OGDEN, UT

OGDEN-HINCKLEY (OGD).....ILS or LOC Rwy 3¹
RNAV (GPS) Rwy 3^{2,3}
VOR-A²

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

OWYHEE, NV

OWYHEE (10U).....RNAV (GPS) Rwy 5
Category D, 1500-3.

PANGUITCH, UT

PANGUITCH MUNI (U55).....RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36¹

NA when local weather not available.
¹Categories A, B, 1200-2.

PHOENIX, AZ

PHOENIX DEER VALLEY (DVT).....RNAV (GPS)-B¹
RNAV (GPS) Rwy 7R²
RNAV (GPS) Rwy 25L²

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

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NAME ALTERNATE MINIMUMS

PHOENIX, AZ (CON'T)

PHOENIX-MESA
GATEWAY (IWA)..... ILS or LOC Rwy 30C¹⁴
RNAV (GPS) Rwy 12C²
RNAV (GPS) Rwy 12R³
RNAV (GPS) Rwy 30R
RNAV (GPS) Y Rwy 30C²
RNAV (GPS) Rwy 30L²
VOR or TACAN Rwy 30C²

NA when local weather not available.

¹NA when control tower closed.

²Category E, 800-2½.

³Category E, 1100-3.

⁴ILS, Category E, 700-2¼; LOC Category E, 800-2¼.

PHOENIX SKY HARBOR

INTL (PHX)..... ILS or LOC/DME Rwy 7L¹
ILS or LOC Rwy 7R¹
ILS or LOC Rwy 8¹
ILS or LOC Rwy 25L¹
ILS or LOC Rwy 26¹
RNAV (GPS) Y Rwy 7L²
RNAV (GPS) Y Rwy 7R²
RNAV (GPS) Y Rwy 8³
RNAV (GPS) Y Rwy 25L³
RNAV (GPS) Y Rwy 25R²
RNAV (GPS) Y Rwy 26³

¹LOC, Category C, 1000-2¾; Category D, 1500-3.

²Category C, 1000-2¾; Category D, 1500-3.

³Category C, 1000-2¾; Category D, 1300-3.

PRESCOTT, AZ

PRESCOTT RGNL - ERNEST A LOVE
FLD (PRC)..... ILS or LOC/DME Rwy 21L¹²
RNAV (GPS) Y Rwy 3R³
RNAV (GPS) Rwy 12³
RNAV (GPS) Rwy 21L³
VOR Rwy 12⁴

¹NA when control tower closed.

²ILS, Category B, 700-2; Category C, 1100-3;

Category D, 1700-3. LOC, Category C, 1100-3;

Category D, 1700-3.

³Category C, 1100-3; Category D, 1700-3.

⁴Category C, 1100-3.

PRICE, UT

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

PROVO, UT

PROVO
MUNI (PVU)..... ILS or LOC Rwy 13¹²³
RNAV (GPS) Rwy 13¹⁴
VOR/DME Rwy 13⁴

¹NA when local weather not available.

²NA when control tower closed.

³LOC, Category D, 800-2½.

⁴Category D, 800-2½.

NAME ALTERNATE MINIMUMS

RENO, NV

RENO/TAHOE
INTL (RNO)..... ILS or LOC Rwy 35L¹
ILS X or LOC X Rwy 17R²
ILS Y Rwy 17R³
ILS Z or LOC Z Rwy 17R²
LOC Y Rwy 17R⁴
RNAV (GPS) X Rwy 17L⁵
RNAV (GPS) X Rwy 17R⁶
RNAV (GPS) X Rwy 35L⁷
RNAV (GPS) X Rwy 35R⁸
RNAV (GPS) Y Rwy 35L⁹
RNAV (RNP) W Rwy 35L^a
RNAV (RNP) W Rwy 35R^a
RNAV (RNP) Z Rwy 35L^a
RNAV (RNP) Z Rwy 35R^a
TACAN-F^b
VOR-C^c

¹ILS, 700-2; LOC, Categories A, B, 1000-2; Category C, 2100-3.

²ILS, Categories A, B, C, D, 800-2; LOC, Categories A, B, 1100-2; Categories C, D, 2100-3.

³Categories A, B, C, D, E, 1500-5.

⁴Categories A, B, 1600-2;

Categories C, D, 2100-3; Category E, 2300-3.

⁵Categories A, B, 1000-2; Categories C, D, 2100-3.

⁶Categories A, B, 1800-2; Categories C, D, 1800-3.

⁷Categories A, B, 1200-4;

Categories C, D, 2100-4.

⁸Categories A, B, 1100-4; Categories C, D, 2100-4.

⁹Categories A, B, C, 1000-2½.

^aCategories A, B, C, D, 1000-2½.

^bCategories A, B, 1900-2;

Categories C, D, E, 2100-3.

^cCategories A, B, 1900-2;

Categories C, D, 2100-3.

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 1¹
RNAV (GPS) Rwy 19²

¹Category A, 900-2; Category B, 1000-2; Category C, 1000-3.

²Categories A, B, 1100-2; Category C, 1100-3;

Category D, 1800-3.

ST JOHNS, AZ

ST JOHNS INDUSTRIAL
AIR PARK (SJM)..... RNAV (GPS) Rwy 14
VOR-A

NA when local weather not available.

NAME ALTERNATE MINIMUMS

SCOTTSDALE, AZ

SCOTTSDALE (SDL).....RNAV (GPS)-D¹
RNAV (GPS)-E¹
VOR/DME-A²

NA when local weather not available.

¹Category C, 1000-2¾; Category D, 1800-3.

²Categories A, B, 900-2; Category C, 1000-2¾; Category D, 1800-3.

SHOW LOW, AZ

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

NA when local weather not available.

Category C, 800-2¾, Category D, 1000-3.

TONOPAH, NV

TONOPAH (TPH).....VOR or GPS-A
Category C, 900-2¾; Category D, 900-3.

TOOELE, UT

BOLINDER FIELD-TOOELE
VALLEY (TVY).....ILS or LOC Rwy 17¹
RNAV (GPS) Rwy 17²

¹ILS, Category C, 800-2; Category D, 1100-3;

LOC, Category D, 1100-3.

²Category D, 1100-3.

TUCSON, AZ

RYAN FLD (RYN).....RNAV (GPS) Rwy 6R
Category D, 1000-3.

TUCSON
INTL (TUS).....ILS or LOC Rwy 11L¹
RNAV (GPS) Rwy 3²
RNAV (GPS) Rwy 11R²
RNAV (GPS) Rwy 21²
RNAV (GPS) Rwy 29L²
RNAV (GPS) Z Rwy 11L³
RNAV (GPS) Z Rwy 29R³
VOR or TACAN Rwy 11L³
VOR or TACAN Rwy 29R³

¹LOC, Categories A, B, 900-2;

Category C, 900-2¾; Category D, 1100-3;

Category E, 1300-3.

²Category D, 1100-3.

³Category D, 1100-3; Category E, 1300-3.

VERNAL, UT

VERNAL RGNL (VEL).....RNAV (GPS) Y Rwy 35¹
RNAV (GPS) Z Rwy 35²
VOR Rwy 35³

NA when local weather not available.

¹Categories A, B, 1100-2; Category C, 1100-3; Category D, 1200-3.

²Categories A, B, C, D, 1000-2½.

³Categories A, B, 900-2; Category C, 900-2¾; Category D, 1200-3.

NAME ALTERNATE MINIMUMS

WENDOVER, UT

WENDOVER (ENV).....RNAV (GPS)-A³⁴
RNAV (GPS)-C⁴⁵
VOR/DME-B¹
VOR/DME or TACAN Rwy 26²

¹Categories A, B, 1300-2; Category C, 1300-3; Category D, E 1500-3.

²Category D, 900-2¾; Category E, 1500-3.

³Categories A, B, 1900-2; Categories C, D, E, 1900-3.

⁴NA when local weather not available.

⁵Categories A, B, 1800-2; Categories C, D, E, 1800-3.

WINDOW ROCK, AZ

WINDOW ROCK (RQE).....RNAV (GPS) Rwy 3¹
RNAV (GPS)-B²
VOR-A²

NA when local weather not available.

¹Categories A, B, 1000-2; Category C, 1100-3.

²Categories A, B, 1000-2; Category C, 1100-3; Category D, 1400-3.

WINNEMUCCA, NV

WINNEMUCCA
MUNI (WMC).....RNAV (GPS) Rwy 14¹²
RNAV (GPS) Rwy 32¹

¹NA when local weather not available.

²Category C, 800-2¾; Category D, 800-2½.

WINSLOW, AZ

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

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