

INSTRUMENT APPROACH PROCEDURE CHARTS

A

IFR ALTERNATE AIRPORT MINIMUMS

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

A 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 **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. 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	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	

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

NAME

ALTERNATE MINIMUMS

BATTLE MOUNTAIN, NV
BATTLE
MOUNTAIN (BAM).....RNAV (GPS) Rwy 4¹²
RNAV (GPS) Rwy 22³
VOR Rwy 4²

¹Cat A, B 1000-2, Cat C 1000-2¾.
²NA when local weather not available.
³Cat 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 900-2¾.
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 16¹²
RNAV (GPS) Rwy 34³
VOR Rwy 34⁴

¹Cat A 800-2½, Cat B 900-2½, Cat C 1100-3, Cat D 1700-3.
²NA when local weather not available.
³Cat A, B 1100-2, Cat C 1100-3, Cat D 1700-3.
⁴Cat 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 23¹

Cat 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.

¹Cat A, B, C, D 900-2½.

²Cat 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 17¹
VOR/DME Rwy 17¹
VOR Rwy 17²

¹Cat D 1100-3.

²Cat C 800-2½, Cat D 1100-3.

ELKO, NV

ELKO RGNL (EKO).....RNAV (GPS) Rwy 6¹
RNAV (GPS) Rwy 24¹
LDA/DME Rwy 24²

¹Cat A, B 1200-2, Cat C 1500-3, Cat D 1900-3.

²Cat B 1000-2, Cat C 1500-3, Cat D 1900-3.

ELY, NV

ELY/YELLAND FLD (ELY)...RNAV (GPS) Rwy 18¹
VOR-C²

NA when local weather not available.

¹Cat A, B, C 1100-4, Cat D 2000-4.

²Cat 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 21¹
RNAV (GPS) Rwy 3²
RNAV (GPS) Rwy 21²
VOR Rwy 21²

¹ILS, LOC Cat C 1100-3, Cat D 1600-3.

²Cat C 1100-3, Cat 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
VOR Rwy 26¹
TACAN Rwy 8²³
TACAN Rwy 26²³

¹NA when control tower closed.

²NA when GCA closed.

³NA 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 3¹²
RNAV (GPS) Rwy 3³
VOR Rwy 3⁴

¹ILS Cat C 700-2, Cat D 1100-3; LOC Cat D 1100-3.

²NA when control tower closed.

³Cat C 800-3, Cat D 1100-3.

⁴Cat 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.

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NAME

ALTERNATE MINIMUMS

KINGMAN, AZ

KINGMAN (IGM).....RNAV (GPS) Rwy 3¹

RNAV (GPS) Y Rwy 21¹

VOR/DME Rwy 21²

¹Cat C, D 1000-3.

²Cat C 1000-3, Cat D 1900-3.

LAKE HAVASU CITY, AZ

LAKE HAVASU CITY (HII)....RNAV (GPS) Rwy 14¹

RNAV (GPS) Rwy 32²

VOR-A³

NA when local weather not available.

¹Cat A, B 1600-2, Cat C, D 1600-3.

²Cat A, B 900-2, Cat C 1100-3, Cat D 1400-3.

³Cat A, B 1100-2, Cat C 1100-3, Cat D 1400-3.

LAS VEGAS, NV

HARRY REID INTL (LAS).....ILS or LOC Rwy 1L¹

ILS Y or LOC Y Rwy 26L¹

ILS Y or LOC Y Rwy 26R¹

ILS Z or LOC Z Rwy 26L²

ILS Z or LOC Z Rwy 26R²

RNAV (GPS) Rwy 1R³

RNAV (GPS) Y Rwy 19L³

RNAV (GPS) Y Rwy 19R³

VOR/DME-A⁴

VOR Rwy 26L/R³

¹LOC Cat A, B 900-2, Cat C 1000-2¾, Cat D 1400-3.

²LOC Cat A, B 900-2, Cat C 1000-2¾, Cat D, E 1400-3.

³Cat A, B 900-2, Cat C 1000-2¾, Cat D 1400-3.

⁴Cat A, B 900-2, Cat C, D 1100-3.

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

VOR-C²

NA when local weather not available.

¹Cat A, B 1400-2, Cat C 1400-3.

²Cat A, B 2400-2, Cat C 2400-3.

NORTH

LAS VEGAS (VGT).....ILS or LOC Rwy 12L¹

RNAV (GPS) Rwy 12R²

NA when local weather not available.

¹NA when control tower closed.

²Cat 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 2¹

RNAV (GPS) Rwy 20¹

VOR-A²

¹Cat D 800-2½.

²Cat 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 16¹

RNAV (GPS) Rwy 34¹

VOR/DME -A²

VOR/DME-A¹

¹NA when local weather not available.

²Cat C 1300-3, Cat D 1500-3.

MINDEN, NV

MINDEN-TAHOE (MEV).....RNAV (GPS) Rwy 16¹

RNAV (GPS) Rwy 34²

¹Cat A, B, C 1500-5, Cat D 1800-5.

²Cat 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)-A¹

VOR-B¹

¹Cat A, B 2600-2, Cat C 2600-3, Cat D 2900-3.

²Cat A, B 2700-2, Cat C 2700-3, Cat D 2900-3.

NAME ALTERNATE MINIMUMS

OGDEN, UT

OGDEN-HINCKLEY (OGD).....**ILS or LOC Rwy 3¹**
RNAV (GPS) Rwy 3²³
VOR-A²³

- ¹NA when control tower closed.
- ²Cat D 800-2¼.
- ³NA 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 36¹

- NA when local weather not available.
- ¹Cat 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 30C¹²³**
RNAV (GPS) Rwy 12C⁴
RNAV (GPS) Rwy 12R³⁵
RNAV (GPS) Rwy 30L³⁴
RNAV (GPS) Rwy 30R³
RNAV (GPS) Y Rwy 30C³⁴
VOR or TACAN Rwy 30C³⁴

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

PHOENIX

DEER VALLEY (DVT).....**RNAV (GPS) Rwy 7R¹**
RNAV (GPS) Rwy 25L¹
RNAV (GPS)-B²

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

NAME ALTERNATE MINIMUMS

PHOENIX, AZ (CON'T)

PHOENIX SKY HARBOR
INTL (PHX).....**ILS or LOC Rwy 7R¹**
ILS or LOC Rwy 8¹
ILS or LOC Rwy 25L¹
ILS or LOC Rwy 26¹
ILS or LOC/DME Rwy 7L¹
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 Cat C 1000-2¾, Cat D 1500-3.
- ²Cat C 1000-2¾, Cat D 1500-3.
- ³Cat C 1000-2¾, Cat D 1300-3.

PRESCOTT, AZ

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

- ¹ILS Cat B 700-2, Cat C 1100-3, Cat D 1700-3;
- LOC Cat C 1100-3, Cat D 1700-3.
- ²NA when control tower closed.
- ³Cat C 1100-3, Cat D 1700-3.
- ⁴Cat 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 13¹²**
RNAV (GPS) Rwy 13³

- ¹LOC Cat D 800-2½.
- ²NA when control tower closed.
- ³Cat D 800-2½.

NAME	ALTERNATE MINIMUMS
RENO, NV	
RENO/TAHOE	
INTL (RNO).....	ILS or LOC Rwy 35L ¹
	ILS X or LOC X Rwy 17R ²
	ILS Z or LOC Z Rwy 17R ²
	ILS Y Rwy 17R ³
	RNAV (RNP) W Rwy 35L ⁴
	RNAV (RNP) W Rwy 35R ⁴
	RNAV (RNP) Z Rwy 35L ⁴
	RNAV (RNP) Z Rwy 35R ⁴
	RNAV (GPS) X Rwy 17L ⁵
	RNAV (GPS) X Rwy 17R ⁶
	RNAV (GPS) X Rwy 35L ⁷
	RNAV (GPS) X Rwy 35R ⁸
	RNAV (GPS) Y Rwy 35L ⁹
	LOC Y Rwy 17R ^a
	VOR-D ^b
	TACAN-F ^c

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

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

³Cat A, B, C, D, E 1500-5.

⁴Cat A, B, C, D 1000-2½.

⁵Cat A, B 1000-2, Cat C, D 2100-3.

⁶Cat A, B 1800-2, Cat C, D 1800-3.

⁷Cat A, B 1200-4, Cat C, D 2100-4.

⁸Cat A, B 1100-4, Cat C, D 2100-4.

⁹Cat A, B, C 1000-2½.

^aCat A, B 1600-2, Cat C, D 2100-3, Cat E 2300-3.

^bCat A, B 1900-2, Cat C, D 2100-3.

^cCat A, B 1900-2, Cat C, D, E 2100-3.

SAFFORD, AZ	
SAFFORD RGNL/1LT DUANE SPALSBURY	
FLD (SAD).....	RNAV (GPS) Rwy 12
	RNAV (GPS) Rwy 30

Cat D 800-2½.

NA when local weather not available.

ST GEORGE, UT	
ST GEORGE RGNL (SGU)...	RNAV (GPS) Rwy 1 ¹
	RNAV (GPS) Rwy 19 ²

¹Cat A 900-2, Cat B 1000-2, Cat C 1000-3.

²Cat A, B 1100-2, Cat C 1100-3, Cat D 1800-3.

ST JOHNS, AZ	
ST JOHNS INDUSTRIAL	
AIR PARK (SJN).....	RNAV (GPS) Rwy 14
	VOR-A

NA when local weather not available.

SALT LAKE CITY, UT	
SOUTH VALLEY	
RGNL (SVR).....	RNAV (GPS) Rwy 34
	Cat C 1200-3, Cat D 1500-3.
	NA when local weather not available.

NAME	ALTERNATE MINIMUMS
SCOTTSDALE, AZ	
SCOTTSDALE (SDL).....	RNAV (GPS)-D ¹
	RNAV (GPS)-E ¹
	VOR/DME-A ²

NA when local weather not available.

¹Cat C 1000-2¾, Cat D 1800-3.

²Cat A, B 900-2, Cat C 1000-2¾, Cat D 1800-3.

SEDONA, AZ	
SEDONA (SEZ).....	RNAV (GPS) Rwy 3
	Cat A 900-2, Cat B 1100-2, Cat C 2300-3, Cat D 1900-3.

SHOW LOW, AZ	
SHOW LOW RGNL (SOW)...	RNAV (GPS) Rwy 25
	Cat C 800-2¼, Cat D 1000-3.
	NA when local weather not available.

TONOPAH, NV	
TONOPAH (TPH).....	VOR-A
	Cat A, B 1300-2, Cat C, D 1300-3.

TOOELE, UT	
BOLINDER FLD/	
TOOELE VALLEY (TVY).....	ILS or LOC Rwy 17 ¹
	RNAV (GPS) Rwy 17 ²

¹ILS Cat C 800-2, Cat D 1100-3; LOC Cat D 1100-3.

²Cat D 1100-3.

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

TUCSON INTL (TUS).....	ILS or LOC Rwy 12 ¹
	RNAV (GPS) Rwy 4 ²
	RNAV (GPS) Rwy 22 ³
	RNAV (GPS) Z Rwy 12 ⁴
	RNAV (GPS) Z Rwy 30 ⁵
	VOR or TACAN Rwy 12 ⁵
	VOR or TACAN Rwy 30 ⁶

¹LOC Cat A, B 900-2, Cat C 900-2¾, Cat D 1000-3, Cat E 1300-3.

²Cat A, B, C 800-2½, Cat D 1100-3.

³Cat D 1100-3.

⁴Cat D 1000-3.

⁵Cat D 1000-3, Cat E 1300-3.

⁶Cat D 1100-3, Cat E 1300-3.

NAME

ALTERNATE MINIMUMS

VERNAL, UT

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

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

WENDOVER, UT

WENDOVER (ENV).....**RNAV (GPS)-A¹²**
RNAV (GPS)-C²³
VOR/DME-B⁴
VOR/DME or TACAN Rwy 26⁵

¹Cat A, B 1900-2, Cat C, D, E 1900-3.
²NA when local weather not available.
³Cat A, B 1800-2, Cat C, D, E 1800-3.
⁴Cat A, B 1300-2, Cat C 1300-3, Cat D, E 1500-3.
⁵Cat 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 3¹**
RNAV (GPS)-B²
VOR-A²

NA when local weather not available.
¹Cat A, B 1000-2, Cat C 1100-3.
²Cat A, B 1000-2, Cat C 1100-3, Cat D 1400-3.

WINNEMUCCA, NV

WINNEMUCCA
MUNI (WMC).....**RNAV (GPS) Rwy 14¹**
RNAV (GPS) Rwy 32

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

WINSLOW, AZ

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