

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

BAKERSFIELD, CA

MEADOWS
FLD (BFL).....**ILS or LOC Rwy 30R¹**
RNAV (GPS) Rwy 12L
RNAV (GPS) Rwy 30R

NA when local weather not available.
¹NA when control tower closed.

BIG BEAR CITY, CA

BIG BEAR CITY (L35).....**RNAV (GPS) Rwy 26**
Categories A, B, 1600-2.

BLYTHE, CA

BLYTHE (BLH).....**RNAV (GPS) Rwy 26¹**
VOR /DME-A²
VOR/DME Rwy 26²

¹Categories A, B, 1700-2; Categories C, D, 1700-3
²Category D, 900-2½.

BORRERO SPRINGS, CA

BORRERO
VALLEY (L08).....**RNAV (GPS) Rwy 26**
NA when local weather not available.
Categories A, B, 1200-2; Category C, 1400-3.

NAME ALTERNATE MINIMUMS

BURBANK, CA

BOB HOPE (BUR).....**ILS Y or LOC Y Rwy 8¹**
ILS Z or LOC Z Rwy 8²
RNAV (GPS) Z Rwy 8³
RNAV (RNP) Y Rwy 8⁴
VOR Rwy 8³

¹ILS Categories A, B, C, D 900-2½. LOC, Categories A, B, 900-2; Category C, 1500-3; Category D, 1600-3.
²LOC, Category B, 900-2; Category C, 1500-3; Category D, 1600-3.
³Categories A, B, 900-2; Category C, 1500-3; Category D, 1600-3.
⁴Categories A, B, C, D, 800-2½.

CAMARILLO, CA

CAMARILLO (CMA).....**RNAV (GPS) Rwy 8¹²**
RNAV (GPS) Y Rwy 26¹³
VOR Rwy 26⁴

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

NAME ALTERNATE MINIMUMS

CARLSBAD, CA

MC CLELLAN-
PALOMAR (CRQ).....**ILS or LOC Rwy 24¹²**
RNAV (GPS) X Rwy 24³
RNAV (GPS) Y Rwy 6⁴⁶
RNAV (GPS) Y Rwy 24³
VOR-A⁵⁶

- ¹NA when control tower closed.
- ²ILS, Categories A, B, 700-2; Category C, 1000-2³/₄. LOC, Category C 1000-2³/₄.
- ³Category C, 1000-2³/₄.
- ⁴Category C, 1000-2³/₄; Category D, 800-2¹/₂.
- ⁵Categories A, B, 1000-2; Category C, 1000-3.
- ⁶NA when local weather not available.

CHINO, CA

CHINO (CNO).....**ILS or LOC Rwy 26R¹²**
RNAV (GPS) Rwy 26R³

- NA when local weather not available.
- ¹NA when control tower closed.
- ²LOC, Category D, 800-2¹/₄.
- ³Category D, 800-2¹/₄.

CORONA, CA

CORONA MUNI (AJO).....**RNAV (GPS)-B**
VOR-A

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

DAGGETT, CA

BARSTOW-
DAGGETT (DAG).....**RNAV (GPS) Rwy 22¹**
RNAV (GPS) Rwy 26³
VOR or TACAN Rwy 22²

- NA when local weather not available.
- ¹Category B, 900-2; Category C, 1000-2³/₄; Category D, 1000-3.
- ²Categories A, B, 1700-2; Categories C, D, 1700-3.
- ³Category B, 1000-2; Categories C, D, 1600-3.

DELANO, CA

DELANO MUNI (DLO).....**RNAV (GPS) Rwy 33**
VOR Rwy 33

- NA when local weather not available.

EL MONTE, CA

SAN GABRIEL
VALLEY (EMT).....**RNAV (GPS)-B¹**
VOR-A²

- NA when local weather not available.
- ¹Category C, 900-2¹/₂; Category D, 1100-3.
- ²Categories A, B, 1000-2; Category C, 1000-3; Category D, 1100-3.

FALLBROOK, CA

FALLBROOK COMMUNITY
AIRPARK (L18).....**GPS Rwy 18**

- NA when local weather not available.

NAME ALTERNATE MINIMUMS

FULLERTON, CA

FULLERTON MUNI (FUL).....**LOC/DME Rwy 24¹²³**
VOR-A⁴

- ¹NA when local weather not available.
- ²NA when control tower closed.
- ³Category B, 1000-2.
- ⁴Categories A, B, 1500-2.

HAWTHORNE, CA

JACK NORTHROP FLD/
HAWTHORNE MUNI (HHR).....**LOC Rwy 25¹**
RNAV (GPS) Rwy 7²
RNAV (GPS) Rwy 25²
VOR Rwy 25

- Category D, 800-2¹/₄.
- ¹NA when control tower closed.
- ²NA when local weather not available.

HEMET, CA

HEMET-RYAN (HMT).....**RNAV (GPS) Rwy 5**
Categories A, B, 1100-2; Category C, 1300-3.
NA when local weather not available.

IMPERIAL, CA

IMPERIAL COUNTY (IPL).....**VOR-A**
NA when local weather not available.

LA VERNE, CA

BRACKETT
FLD (POC).....**ILS Rwy 26L¹²**
LOC Rwy 26L¹²³
RNAV (GPS) Rwy 26L¹³
VOR or GPS-A²³

- ¹NA when local weather not available.
- ²NA when control tower closed.
- ³Category C, 800-2¹/₄.

LANCASTER, CA

GENERAL WILLIAM J. FOX
AIRFIELD (WJF).....**RNAV (GPS) Rwy 6¹²**
RNAV (GPS) Rwy 24¹²
VOR-B³

- ¹NA when local weather not available.
- ²Category C, 800-2¹/₄; Category D, 800-2¹/₂.
- ³Categories A, B, 1000-2; Categories C, D, 1000-3.

LOMPOC, CA

LOMPOC (LPC).....**RNAV (GPS) Rwy 25¹²**
VOR/DME-A³

- ¹NA when local weather not available.
- ²Categories A, B, 1000-2.
- ³Categories A, B, 1300-2.

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NAME ALTERNATE MINIMUMS

LONG BEACH, CA

LONG BEACH
(DAUGHERTY FLD) (LGB).....**ILS or LOC Rwy 30¹**
RNAV (RNP) Rwy 12
RNAV (RNP) Y Rwy 30
VOR or TACAN Rwy 30²

NA when control tower closed.
¹LOC, Category C, 800-2¼; Category D, 800-2½.
²Category C, 800-2¼; Category D, 800-2½.

LOS ANGELES, CA

WHITEMAN (WHP).....**VOR-A**
Category B, 900-2; Category C, 1200-3.

MOJAVE, CA

MOJAVE AIR AND SPACE PORT/
RUTAN FLD (MHV).....**RNAV (GPS) Rwy 4¹²**
RNAV (GPS) Rwy 22¹²
RNAV (GPS) Rwy 30³

¹NA when local weather not available.
²Category C, 1400-3; Category D, 1700-3.
³Categories C, D, 1000-4.

NEEDLES, CA

NEEDLES (EED).....**RNAV (GPS) Rwy 29**
VOR-A

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

OCEANSIDE, CA

BOB MAXWELL MEML
AIRFIELD (OKB).....**RNAV (GPS) Rwy 25¹**
VOR-A²³

¹Categories A, B, 900-2.
²Categories A, B, 1200-2.
³NA when local weather not available.

ONTARIO, CA

ONTARIO INTL (ONT).....**ILS or LOC Rwy 8L¹**
ILS or LOC Rwy 26L²
ILS or LOC Rwy 26R³

¹ILS, Category D, 700-2.
²LOC, Categories, C, D, 800-2½.
³LOC, Category C, 800-2¼; Category D, 800-2½.

OXNARD, CA

OXNARD (OXR).....**ILS or LOC Rwy 25¹**
RNAV (GPS) Rwy 7²³
RNAV (GPS) Rwy 25²³
VOR Rwy 25²³

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

NAME ALTERNATE MINIMUMS

PALM SPRINGS, CA

JACQUELINE COCHRAN
RGNL (TRM).....**RNAV (GPS) Rwy 30¹**
RNAV (GPS) Rwy 35²
VOR Rwy 30¹
VOR-A³

¹Category D, 900-3.
²Categories C, D, 1100-3.
³Categories A, B, 1600-2; Categories C, D, 1600-3.

PALM SPRINGS

INTL (PSP).....**RNAV (GPS) Z Rwy 31L¹**
RNAV (RNP) Y Rwy 31L²
RNAV (RNP) Z Rwy 13R²
VOR-B³

¹Category C, 1100-3; Category D, 1300-3.
²NA when control tower closed.
³Categories A, B, 1700-2;
Categories C, D, 1700-3.

PALMDALE, CA

PALMDALE USAF
PLANT 42 (PMD).....**ILS or LOC Rwy 25¹²**
RNAV (GPS) Rwy 7³
RNAV (GPS) Rwy 22³
RNAV (GPS) Rwy 25³
VOR or TACAN Rwy 25⁴

¹NA when control tower closed.
²ILS, LOC, Categories A, B, 1000-2; Category C,
1000-3; Category D, 1200-3; Category E, 1300-3.
³Category D, 1200-3.
⁴Category D, 1200-3; Category E, 1300-3.

PASO ROBLES, CA

PASO ROBLES
MUNI (PRB).....**RNAV (GPS) Rwy 19¹²**
RNAV (GPS) Rwy 31¹²
VOR Rwy 19¹²
VOR-B³

¹NA when local weather not available.
²Category D, 900-2¼.
³Category D, 900-3.

RAMONA, CA

RAMONA (RNM).....**RNAV (GPS)-B¹**
RNAV (GPS) Rwy 9²
VOR/DME-A³

NA when local weather not available.
¹Categories A, B, 1400-2; Category C, 1800-3.
²Categories A, B, 900-2; Category C, 1800-3.
³Categories A, B 1200-2; Category C, 1800-3.

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NAME ALTERNATE MINIMUMS

RIVERSIDE, CA

RIVERSIDE
MUNI (RAL).....**ILS or LOC Rwy 9¹²³**
RNAV (GPS) Rwy 9³⁴
RNAV (GPS) Rwy 27⁵
VOR-A³⁶
VOR Rwy 9³⁵

- ¹NA when control tower closed.
- ²LOC, Category B, 900-2; Category C, 1000-3; Category D, 1200-3.
- ³NA when local weather not available.
- ⁴Category B, 900-2; Category C, 1000-3; Category D, 1200-3.
- ⁵Categories A, B, 1300-2; Category C, 1300-3.
- ⁶Categories A, B, 1500-2; Categories C, D, 1500-3.

SAN BERNARDINO, CA

SAN BERNARDINO
INTL (SBD).....**ILS or LOC Z Rwy 6¹²**
LOC Y Rwy 6¹³
RNAV (GPS) Y Rwy 6⁴
RNAV (GPS) Z Rwy 6⁵

- NA when local weather not available.
- ¹NA when control tower closed.
- ²LOC, Category D, 1500-3.
- ³Categories A, B, 1000-2; Category C, 1000-3; Category D, 1500-3.
- ⁴Categories A, B, 1400-2; Category C, 1400-3; Category D, 1500-3.
- ⁵Category D, 1500-3.

SAN DIEGO, CA

BROWN FLD
MUNI (SDM).....**RNAV (GPS) Rwy 8L¹**
VOR or TACAN-A²

- NA when local weather not available.
- ¹Category D, 1800-3.
- ²Categories A, B, C, 900-2½; Category D, 1800-3.

MONTGOMERY-GIBBS

EXEC (MYF).....**ILS or LOC Rwy 28R¹**
RNAV (GPS) Rwy 28R

- NA when local weather not available.
- ¹NA when control tower closed.

SAN DIEGO

INTL (SAN).....**ILS Y or LOC Y Rwy 9¹**
ILS Z or LOC Z Rwy 9²
LOC Rwy 27³
RNAV (GPS) Rwy 9⁴
RNAV (GPS) Y Rwy 27³

- ¹LOC, Categories A, B, 1000-2; Category C, 1000-2½; Category D, 1000-3.
- ²LOC, Category B, 900-2; Category C, 900-2½; Category D, 1000-3.
- ³Categories A, B, 900-2; Category C, 900-2½; Category D, 1000-3.
- ⁴Category B, 900-2; Category C, 900-2½; Category D, 1000-3.

NAME ALTERNATE MINIMUMS

SAN DIEGO/EL CAJON, CA

GILLESPIE FLD (SEE).....**LOC-D¹²**
RNAV (GPS) Rwy 9L³⁶
RNAV (GPS) Rwy 17⁴⁵

- ¹NA when control tower closed.
- ²Categories A, B, 1200-2; Categories C, D, 1600-3.
- ³Categories A, B, 1100-2½; Category C, 1600-3.
- ⁴Categories A, B, 1100-2; Categories C, D, 1100-3.
- ⁵NA when local weather not available.

SAN LUIS OBISPO, CA

SAN LUIS OBISPO
COUNTY RGNL (SBP).....**ILS or LOC Rwy 11¹²**
RNAV (GPS) Rwy 11³⁴
RNAV (GPS) Rwy 29³⁴
VOR or TACAN-A⁴⁵

- ¹NA when control tower closed.
- ²LOC, Categories A, B, 1300-2; Category C, 1300-3; Category D, 1600-3.
- ³Category B, 1100-2; Category C, 1300-3; Category D, 1400-3.
- ⁴NA when local weather not available.
- ⁵Categories A, B, 1500-2; Categories C, D, 1500-3.

SANTA ANA, CA

JOHN WAYNE/ORANGE
COUNTY (SNA).....**ILS or LOC Rwy 20R¹³**
LDA Rwy 20R¹²
LOC BC Rwy 2L¹²
RNAV (GPS) Y Rwy 2L²
RNAV (GPS) Y Rwy 20R²

- NA when local weather not available.
- ¹NA when control tower closed.
- ²Category C, 800-2½; Category D, 1200-3.
- ³LOC, Categories A, B, 1000-2; Category C, 1000-3; Category D, 1200-3.

SANTA BARBARA, CA

SANTA BARBARA
MUNI (SBA).....**ILS or LOC Rwy 7¹²**
RNAV (GPS) Rwy 7³
VOR Rwy 25⁴

- NA when local weather not available.
- ¹NA when control tower closed.
- ²LOC, Category B, 900-2; Category C, 900-2½; Category D, 1000-3.
- ³Categories A, B, 900-2; Category C, 900-2½; Category D, 1000-3.
- ⁴Categories A, B, 1000-2; Category C, 1000-2½; Category D, 1000-3.

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NAME ALTERNATE MINIMUMS

SANTA MARIA, CA

SANTA MARIA PUB/CAPT G ALLAN
HANCOCK FLD (SMX).....**ILS or LOC Rwy 12¹⁴**
LOC/DME BC-A²⁴
RNAV (GPS) Rwy 12²
RNAV (GPS) Rwy 30³
VOR Rwy 12⁵

NA when local weather not available.

¹LOC, Category C, 1200-3; Category D, 1300-3.

²Category C, 1200-3; Category D, 1300-3.

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

⁴NA when control tower closed.

⁵Category C, 1200-3.

SANTA MONICA, CA

SANTA MONICA
MUNI (SMO).....**RNAV (GPS) Rwy 21¹**
RNAV (GPS) Y Rwy 3²
RNAV (GPS) Z Rwy 3³

¹Categories A, B, 1000-2;
Categories C, D, 1000-2½.

²Categories A, B, 900-2; Categories C, D, 900-2½.

³Categories A, B, 1200-2.

SANTA YNEZ, CA

SANTA YNEZ/
KUNKLE FLD (IZA).....**RNAV (GPS)-A**
RNAV (GPS) Rwy 8
VOR Rwy 8¹

NA when local weather not available.

¹Categories A, B, 1400-2.

TORRANCE, CA

ZAMPERINI FLD (TOA).....**ILS or LOC Rwy 29R**
RNAV (GPS) Rwy 11L
RNAV (GPS) Rwy 29R
VOR Rwy 11L¹

NA when control tower closed, except for operators
with approved weather reporting services.

¹Categories A, B, 900-2; Category C, 900-2½.

VAN NUYS, CA

VAN NUYS (VNY).....**ILS Y Rwy 16R¹²³**
ILS Z Rwy 16R¹²
LDA-C⁴⁵
VOR-A⁶
VOR-B⁷

¹NA when control tower closed.

²NA when local weather not available.

³ILS, Categories A, B, C, D, 700-2.

⁴Category D, 1300-3.

⁵NA when KBUR control tower closed.

⁶Category D, 1000-3.

⁷Categories A, B, 900-2; Category C, 900-2½;
Category D, 1000-3.

NAME ALTERNATE MINIMUMS

VICTORVILLE, CA

SOUTHERN CALIFORNIA
LOGISTICS (VCV).....**LOC Rwy 17¹²**
RNAV (GPS) Rwy 3³
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 21⁴
RNAV (GPS) Rwy 35⁴
VOR/DME Rwy 17²

NA when local weather not available.

¹NA when control tower closed.

²Category D, 900-3.

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

⁴Category D, 900-2¾.

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