

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.

BORREGO SPRINGS, CA

BORREGO
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 8³**
ILS Z or LOC Z Rwy 8¹
RNAV (GPS)-A²
RNAV (GPS) Z Rwy 8⁴
RNAV (RNP) Y Rwy 8⁵
VOR Rwy 8⁴

¹LOC, Category B, 900-2; Category C, 1500-3;
Category D, 1600-3.
²Categories A, B, 1100-2; Category C, 1500-3;
Category D, 1600-3.
³ILS Categories A, B, C, D 900-2½; LOC,
Categories A, B, 900-2; Category C, 1500-3;
Category D, 1600-3.
⁴Categories A, B, 900-2; Category C, 1500-3;
Category D, 1600-3.
⁵Categories 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.

01 DEC 2022 to 29 DEC 2022

01 DEC 2022 to 29 DEC 2022

NAME ALTERNATE MINIMUMS

CARLSBAD, CA

MC CLELLAN-
PALOMAR (CRQ).....**ILS or LOC Rwy 24¹²**
RNAV (GPS) X Rwy 24³
RNAV (GPS) Y Rwy 6⁴
RNAV (GPS) Y Rwy 24³
VOR-A⁵⁶

¹NA when control tower closed.

²ILS, Categories A, B, 700-2; Category C, 1000-2½. LOC, Category C 1000-2½.

³Category C, 1000-2½.

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

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, 800-2½.

³Category D, 800-2½.

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, 1000-2½; Category D, 1000-3.

²Categories A, B, 1700-2; Categories C, D, 1700-3.

³Category B, 1000-2; Categories C, D, 1600-3.

EL MONTE, CA

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

NA when local weather not available.

¹Category C, 900-2½; 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 24**
NA when local weather not available.

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.

NAME ALTERNATE MINIMUMS

HAWTHORNE, CA

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

Category D, 800-2½.

¹NA when control tower closed.

²NA when local weather not available.

HEMET, CA

HEMET-RYAN (HMT).....**RNAV (GPS) Rwy 5**
Categories A, B, 1200-2; Category C, 1400-3.

IMPERIAL, CA

IMPERIAL COUNTY (IPL).....**VOR or GPS-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, 800-2½.

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, 800-2½; Category D, 800-2½.

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.

LONG BEACH, CA

LONG BEACH
(DAUGHERTY FLD) (LGB).....**ILS or LOC Rwy 30¹**
RNAV (RNP) Rwy 12
RNAV (RNP) Rwy 26R
RNAV (RNP) Y Rwy 30
VOR or TACAN Rwy 30²

NA when control tower closed.

¹LOC, Category C, 800-2½; Category D, 800-2½.

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

LOS ANGELES, CA

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

NAME ALTERNATE MINIMUMS

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.

³LPV, Categories C, D, 900-4; LNAV, Categories C, D, 1000-3.

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-A²

¹Categories A, B, 900-2.

²Categories A, B, 1200-2.

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 D, 800-2¼.

OXNARD, CA

OXNARD (OXR).....ILS or LOC Rwy 25¹²
RNAV (GPS) Rwy 7³
RNAV (GPS) Rwy 25³
VOR Rwy 25³

NA when local weather not available.

¹NA when control tower closed.

²ILS, LOC, Category D, 800-2¼.

³Category D, 800-2¼.

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 or GPS-B³

¹Category C, 1100-3; Category D, 1300-3.

²NA when control tower closed.

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

NAME ALTERNATE MINIMUMS

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.

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.

NAME ALTERNATE MINIMUMS

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 8L¹²**
VOR or TACAN-A³

¹NA when local weather not available.

²Category D, 1800-3.

³Categories 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.

SAN DIEGO/EL CAJON, CA

GILLESPIE FLD (SEE).....**LOC-D¹²**
RNAV (GPS) Rwy 9L³
RNAV (GPS) Rwy 17⁴⁵

¹NA when control tower closed.

²Categories A, B, 1200-2; Categories C, D, 1600-3.

³Categories, A, B, 1400-2.

⁴Categories A, B, 1100-2; Categories C, D, 1100-3.

⁵NA when local weather not available.

NAME ALTERNATE MINIMUMS

SAN LUIS OBISPO, CA

SAN LUIS

COUNTY RGNL (SBP).....**ILS Rwy 11¹**
LOC Rwy 11¹²⁴
RNAV (GPS) Rwy 11³⁴
RNAV (GPS) Rwy 29³⁴
VOR or TACAN-A⁴⁵

¹NA when control tower closed.

²Category A, 1000-2; Category B, 1100-2;
Category C, 1300-3; Category D, 1400-3.

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 12¹²
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 7¹³
VOR or GPS Rwy 25⁴

¹NA when local weather not available.

²ILS, Categories A, B, 800-2; Category C, 800-2½;
Category D, 1000-3. LOC, Category C, 800-2½;
Category D, 1000-3.

³Category C, 800-2½; Category D, 1000-3.

⁴Categories A, B, 1000-2; Categories C, D,
1000-3.

SANTA MARIA, CA

SANTA MARIA PUB/CAPT G ALLAN

HANCOCK FLD (SMX).....**ILS or LOC Rwy 12¹⁴⁵**
LOC/DME BC-A²⁴⁵
RNAV (GPS) Rwy 12²⁵
RNAV (GPS) Rwy 30⁵⁶
VOR Rwy 12³⁵

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

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

³Category D, 1100-3.

⁴NA when control tower closed.

⁵NA when local weather not available.

⁶Categories A, B, 1400-2; Category C, 1400-3.

NAME

ALTERNATE MINIMUMS

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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, 1300-2.

SANTA YNEZ, CA

SANTA YNEZ (IZA).....RNAV (GPS)-A

RNAV (GPS) Rwy 8¹

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.

VICTORVILLE, CA

SOUTHERN CALIFORNIA

LOGISTICS (VCV).....ILS or LOC Rwy 17¹

RNAV (GPS) Rwy 17²

VOR/DME Rwy 17²

- NA when local weather not available.

¹LOC, Category D, 900-3.

²Category D, 900-3.