

INSTRUMENT APPROACH PROCEDURE CHARTS

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. **▲** 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
<b>▲</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

**BAKERSFIELD, CA**

MEADOWS  
FLD (BFL).....ILS or LOC Rwy 30R<sup>1</sup>  
RNAV (GPS) Rwy 12L  
RNAV (GPS) Rwy 30R

NA when local weather not available.

<sup>1</sup>NA 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 26<sup>1</sup>  
VOR /DME-A<sup>2</sup>  
VOR/DME Rwy 26<sup>2</sup>

<sup>1</sup>Categories A, B, 1700-2; Categories C, D, 1700-3

<sup>2</sup>Category D, 900-2¾.

**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 8<sup>1</sup>  
ILS Z or LOC Z Rwy 8<sup>2</sup>  
RNAV (GPS) Z Rwy 8<sup>3</sup>  
RNAV (RNP) Y Rwy 8<sup>4</sup>  
VOR Rwy 8<sup>3</sup>

<sup>1</sup>ILS Categories A, B, C, D 900-2½. LOC,

Categories A, B, 900-2; Category C, 1500-3;  
Category D, 1600-3.

<sup>2</sup>LOC, Category B, 900-2; Category C, 1500-3;  
Category D, 1600-3.

<sup>3</sup>Categories A, B, 900-2; Category C, 1500-3;  
Category D, 1600-3.

<sup>4</sup>Categories A, B, C, D, 800-2½.

**CAMARILLO, CA**

CAMARILLO (CMA).....RNAV (GPS) Rwy 8<sup>12</sup>  
RNAV (GPS) Y Rwy 26<sup>13</sup>  
VOR Rwy 26<sup>4</sup>

<sup>1</sup>NA when local weather not available.

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

<sup>3</sup>Category D, 1100-3.

<sup>4</sup>Categories A, B, 1100-2; Category C, 1100-3.

NAME ALTERNATE MINIMUMS

**CARLSBAD, CA**

MC CLELLAN-  
PALOMAR (CRQ).....**ILS or LOC Rwy 24<sup>12</sup>**  
**RNAV (GPS) X Rwy 24<sup>3</sup>**  
**RNAV (GPS) Y Rwy 6<sup>46</sup>**  
**RNAV (GPS) Y Rwy 24<sup>3</sup>**  
**VOR-A<sup>56</sup>**

- <sup>1</sup>NA when control tower closed.  
<sup>2</sup>ILS, Categories A, B, 700-2; Category C, 1000-2 $\frac{1}{4}$ . LOC, Category C 1000-2 $\frac{3}{4}$ .  
<sup>3</sup>Category C, 1000-2 $\frac{1}{4}$ .  
<sup>4</sup>Category C, 1000-2 $\frac{3}{4}$ ; Category D, 800-2 $\frac{1}{2}$ .  
<sup>5</sup>Categories A, B, 1000-2; Category C, 1000-3.  
<sup>6</sup>NA when local weather not available.

**CHINO, CA**

CHINO (CNO).....**ILS or LOC Rwy 26R<sup>12</sup>**  
**RNAV (GPS) Rwy 26R<sup>3</sup>**

- NA when local weather not available.  
<sup>1</sup>NA when control tower closed.  
<sup>2</sup>LOC, Category D, 800-2 $\frac{1}{4}$ .  
<sup>3</sup>Category D, 800-2 $\frac{1}{4}$ .

**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 22<sup>1</sup>**  
**RNAV (GPS) Rwy 26<sup>3</sup>**  
**VOR or TACAN Rwy 22<sup>2</sup>**

- NA when local weather not available.  
<sup>1</sup>Category B, 900-2; Category C, 1000-2 $\frac{3}{4}$ ; Category D, 1000-3.  
<sup>2</sup>Categories A, B, 1700-2; Categories C, D, 1700-3.  
<sup>3</sup>Category 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)-B<sup>1</sup>**  
**VOR-A<sup>2</sup>**

- NA when local weather not available.  
<sup>1</sup>Category C, 900-2 $\frac{1}{2}$ ; Category D, 1100-3.  
<sup>2</sup>Categories 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 24<sup>123</sup>**  
**VOR-A<sup>4</sup>**

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

**HAWTHORNE, CA**

JACK NORTHROP FLD/  
HAWTHORNE MUNI (HHR).....**LOC Rwy 25<sup>1</sup>**  
**RNAV (GPS) Rwy 7<sup>2</sup>**  
**RNAV (GPS) Rwy 25<sup>2</sup>**  
**VOR Rwy 25**

- Category D, 800-2 $\frac{1}{4}$ .  
<sup>1</sup>NA when control tower closed.  
<sup>2</sup>NA 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 26L<sup>12</sup>**  
**LOC Rwy 26L<sup>123</sup>**  
**RNAV (GPS) Rwy 26L<sup>13</sup>**  
**VOR or GPS-A<sup>23</sup>**

- <sup>1</sup>NA when local weather not available.  
<sup>2</sup>NA when control tower closed.  
<sup>3</sup>Category C, 800-2 $\frac{1}{4}$ .

**LANCASTER, CA**

GENERAL WILLIAM J. FOX  
AIRFIELD (WJF).....**RNAV (GPS) Rwy 6<sup>12</sup>**  
**RNAV (GPS) Rwy 24<sup>12</sup>**  
**VOR-B<sup>3</sup>**

- <sup>1</sup>NA when local weather not available.  
<sup>2</sup>Category C, 800-2 $\frac{1}{4}$ ; Category D, 800-2 $\frac{1}{2}$ .  
<sup>3</sup>Categories A, B, 1000-2; Categories C, D, 1000-3.

**LOMPOC, CA**

LOMPOC (LPC).....**RNAV (GPS) Rwy 25<sup>12</sup>**  
**VOR/DME-A<sup>3</sup>**

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

NAME	ALTERNATE MINIMUMS
<b>LONG BEACH, CA</b>	
LONG BEACH	
(DAUGHTERTY FLD) (LGB)... <b>ILS or LOC Rwy 30<sup>1</sup></b>	
	<b>RNAV (RNP) Rwy 12</b>
	<b>RNAV (RNP) Y Rwy 30</b>
	<b>VOR or TACAN Rwy 30<sup>2</sup></b>
NA when control tower closed.	
<sup>1</sup> LOC, Category C, 800-2¼; Category D, 800-2½.	
<sup>2</sup> Category 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 4<sup>12</sup>**  
**RNAV (GPS) Rwy 22<sup>12</sup>**  
**RNAV (GPS) Rwy 30<sup>3</sup>**

<sup>1</sup>NA when local weather not available.  
<sup>2</sup>Category C, 1400-3; Category D, 1700-3.  
<sup>3</sup>Categories 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 25<sup>1</sup>  
VOR-A<sup>23</sup>

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

**ONTARIO, CA**  
**ONTARIO INTL (ONT).....ILS or LOC Rwy 26L<sup>1</sup>**  
**ILS or LOC Rwy 26R<sup>2</sup>**  
<sup>1</sup>LOC, Categories, C, D, 800-2½.  
<sup>2</sup>LOC, Category C, 800-2¼; Category D, 800-2½.

**OXNARD, CA**  
OXNARD (OXR).....ILS or LOC Rwy 25<sup>1</sup>  
RNAV (GPS) Rwy 7<sup>23</sup>  
RNAV (GPS) Rwy 25<sup>23</sup>  
VOR Rwy 25<sup>23</sup>

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

NAME	ALTERNATE MINIMUMS
<b>PALM SPRINGS, CA</b>	
JACQUELINE COCHRAN	
RGNL (TRM).....	<b>RNAV (GPS) Rwy 30<sup>1</sup></b>
	<b>RNAV (GPS) Rwy 35<sup>2</sup></b>
	<b>VOR Rwy 30<sup>1</sup></b>
	<b>VOR-A<sup>3</sup></b>
<sup>1</sup> Category D, 900-3.	
<sup>2</sup> Categories C, D, 1100-3.	
<sup>3</sup> Categories A, B, 1600-2; Categories C, D, 1600-3.	

PALM SPRINGS  
INTL (PSP).....RNAV (GPS) Z Rwy 31L<sup>1</sup>  
VOR-B<sup>2</sup>

<sup>1</sup>Category C, 1100-3; Category D, 1300-3.  
<sup>2</sup>Categories A, B, 1700-2;  
Categories C, D, 1700-3.

**PALMDALE, CA**  
**PALMDALE USAF**  
**PLANT 42 (PMD).....ILS Z or LOC Z Rwy 25<sup>123</sup>**  
**RNAV (GPS) Rwy 7<sup>4</sup>**  
**RNAV (GPS) Rwy 22<sup>4</sup>**  
**RNAV (GPS) Rwy 25<sup>5</sup>**  
**VOR or TACAN Z Rwy 25<sup>5</sup>**

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>NA when local weather not available.  
<sup>3</sup>LOC, Categories A, B, 1000-2; Category C, 1000-3; Category D, 1200-3; Category E, 1300-3.  
<sup>4</sup>Category D, 1200-3.  
<sup>5</sup>Category D, 1200-3; Category E, 1300-3.

<b>PASO ROBLES, CA</b>	
PASO ROBLES	
MUNI (PRB).....	RNAV (GPS) Rwy 19 <sup>12</sup>
	RNAV (GPS) Rwy 31 <sup>12</sup>
	VOR Rwy 19 <sup>12</sup>
	VOR-B <sup>3</sup>

<sup>1</sup>NA when local weather not available.  
<sup>2</sup>Category D, 900-2<sup>3</sup>.  
<sup>3</sup>Category D, 900-3.

**RAMONA, CA**  
 RAMONA (RNM).....RNAV (GPS)-B<sup>1</sup>  
                                       RNAV (GPS) Rwy 9<sup>2</sup>  
                                       VOR/DME-A<sup>3</sup>

NA when local weather not available.

<sup>1</sup>Categories A, B, 1400-2; Category C, 1800-3.  
<sup>2</sup>Categories A, B, 900-2; Category C, 1800-3.  
<sup>3</sup>Categories A, B 1200-2; Category C, 1800-3.

NAME ALTERNATE MINIMUMS

**RIVERSIDE, CA**

RIVERSIDE  
MUNI (RAL).....**ILS or LOC Rwy 9<sup>123</sup>**  
**RNAV (GPS) Rwy 9<sup>34</sup>**  
**RNAV (GPS) Rwy 27<sup>5</sup>**  
**VOR-A<sup>36</sup>**  
**VOR Rwy 9<sup>35</sup>**

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

**SAN BERNARDINO, CA**

SAN BERNARDINO  
INTL (SBD).....**ILS or LOC Z Rwy 6<sup>12</sup>**  
**LOC Y Rwy 6<sup>13</sup>**  
**RNAV (GPS) Y Rwy 6<sup>4</sup>**  
**RNAV (GPS) Z Rwy 6<sup>5</sup>**

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

**SAN DIEGO, CA**

BROWN FLD  
MUNI (SDM).....**RNAV (GPS) Rwy 8L<sup>1</sup>**  
**VOR or TACAN-A<sup>2</sup>**

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

**MONTGOMERY-GIBBS**

EXEC (MYF).....**ILS or LOC Rwy 28R<sup>1</sup>**  
**RNAV (GPS) Rwy 28R**

- NA when local weather not available.  
<sup>1</sup>NA when control tower closed.

**SAN DIEGO**

INTL (SAN).....**ILS Y or LOC Y Rwy 9<sup>1</sup>**  
**ILS Z or LOC Z Rwy 9<sup>2</sup>**  
**LOC Rwy 27<sup>3</sup>**  
**RNAV (GPS) Rwy 9<sup>4</sup>**  
**RNAV (GPS) Y Rwy 27<sup>3</sup>**

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

NAME ALTERNATE MINIMUMS

**SAN DIEGO/EL CAJON, CA**

GILLESPIE FLD (SEE).....**LOC-D<sup>12</sup>**  
**RNAV (GPS) Rwy 9L<sup>35</sup>**  
**RNAV (GPS) Rwy 17<sup>45</sup>**

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

**SAN LUIS OBISPO, CA**

SAN LUIS OBISPO  
COUNTY RGNL (SBP).....**ILS or LOC Rwy 11<sup>12</sup>**  
**RNAV (GPS) Rwy 11<sup>34</sup>**  
**RNAV (GPS) Rwy 29<sup>34</sup>**  
**VOR or TACAN-A<sup>45</sup>**

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

**SANTA ANA, CA**

JOHN WAYNE/ORANGE  
COUNTY (SNA).....**ILS or LOC Rwy 20R<sup>13</sup>**  
**LDA Rwy 20R<sup>12</sup>**  
**LOC BC Rwy 2L<sup>12</sup>**  
**RNAV (GPS) Y Rwy 2L<sup>2</sup>**  
**RNAV (GPS) Y Rwy 20R<sup>2</sup>**

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

**SANTA BARBARA, CA**

SANTA BARBARA  
MUNI (SBA).....**ILS or LOC Rwy 7<sup>12</sup>**  
**RNAV (GPS) Rwy 7<sup>3</sup>**  
**VOR Rwy 25<sup>4</sup>**

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

NAME ALTERNATE MINIMUMS

**SANTA MARIA, CA**

SANTA MARIA PUB/CAPT G ALLAN  
HANCOCK FLD (SMX).....**ILS or LOC Rwy 12<sup>14</sup>**  
**LOC/DME BC-A<sup>24</sup>**  
**RNAV (GPS) Rwy 12<sup>2</sup>**  
**RNAV (GPS) Rwy 30<sup>3</sup>**  
**VOR Rwy 12<sup>5</sup>**

NA when local weather not available.

<sup>1</sup>LOC, Category C, 1200-3; Category D, 1300-3.

<sup>2</sup>Category C, 1200-3; Category D, 1300-3.

<sup>3</sup>Categories A, B, 1400-2; Category C, 1400-3.

<sup>4</sup>NA when control tower closed.

<sup>5</sup>Category C, 1200-3.

**SANTA MONICA, CA**

SANTA MONICA  
MUNI (SMO).....**RNAV (GPS) Rwy 21<sup>1</sup>**  
**RNAV (GPS) Y Rwy 3<sup>2</sup>**  
**RNAV (GPS) Z Rwy 3<sup>3</sup>**

<sup>1</sup>Categories A, B, 1000-2;

Categories C, D, 1000-2½.

<sup>2</sup>Categories A, B, 900-2; Categories C, D, 900-2½.

<sup>3</sup>Categories A, B, 1200-2.

**SANTA YNEZ, CA**

SANTA YNEZ/  
KUNKLE FLD (IZA).....**RNAV (GPS)-A**  
**RNAV (GPS) Rwy 8**  
**VOR Rwy 8<sup>1</sup>**

NA when local weather not available.

<sup>1</sup>Categories A, B, 1400-2.

**TORRANCE, CA**

ZAMPERINI FLD (TOA).....**ILS or LOC Rwy 29R**  
**RNAV (GPS) Rwy 11L**  
**RNAV (GPS) Rwy 29R**  
**VOR Rwy 11L<sup>1</sup>**

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

<sup>1</sup>Categories A, B, 900-2; Category C, 900-2½.

**VAN NUYS, CA**

VAN NUYS (VNY).....**ILS Y Rwy 16R<sup>123</sup>**  
**ILS Z Rwy 16R<sup>12</sup>**  
**LDA-C<sup>45</sup>**  
**VOR-A<sup>6</sup>**  
**VOR-B<sup>7</sup>**

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

<sup>2</sup>NA when local weather not available.

<sup>3</sup>ILS, Categories A, B, C, D, 700-2.

<sup>4</sup>Category D, 1300-3.

<sup>5</sup>NA when KBUR control tower closed.

<sup>6</sup>Category D, 1000-3.

<sup>7</sup>Categories A, B, 900-2; Category C, 900-2½;

Category D, 1000-3.

NAME ALTERNATE MINIMUMS

**VICTORVILLE, CA**

SOUTHERN CALIFORNIA  
LOGISTICS (VCV).....**LOC Rwy 17<sup>12</sup>**  
**RNAV (GPS) Rwy 3<sup>3</sup>**  
**RNAV (GPS) Rwy 17<sup>2</sup>**  
**RNAV (GPS) Rwy 21<sup>4</sup>**  
**RNAV (GPS) Rwy 35<sup>4</sup>**  
**VOR/DME Rwy 17<sup>2</sup>**

NA when local weather not available.

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

<sup>2</sup>Category D, 900-3.

<sup>3</sup>Categories A, B, 1200-2; Categories C, D, 1200-3.

<sup>4</sup>Category D, 900-2¾.