

INSTRUMENT APPROACH PROCEDURE CHARTS

**A** IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non-precision approaches and approaches with vertical guidance [NDB, VOR, LOC, TACAN, LDA, SDF, VOR/DME, ASR, RNAV (GPS) or RNAV (RNP)] are 800-2. Standard alternate minimums for precision approaches (ILS, PAR, or GLS) are 600-2. Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Civil pilots see FAR 91. IFR Alternate Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Minimums Notes for alternate airfield suitability.

NAME	ALTERNATE MINIMUMS	NAME	ALTERNATE MINIMUMS
<b>ALTURAS, CA</b>		<b>CONCORD, CA</b>	
ALTURAS		BUCHANAN	
MUNI (AAT).....	<b>RNAV (GPS) Rwy 31</b>	FLD (CCR).....	<b>LDA Rwy 19R<sup>12</sup></b>
Category B, 900-2.			<b>RNAV (GPS) Rwy 19R<sup>3</sup></b>
			<b>VOR Rwy 19R<sup>3</sup></b>
<b>ARCATA/EUREKA, CA</b>			<sup>1</sup> NA when control tower closed.
CALIFORNIA REDWOOD COAST-HUMBOLDT			<sup>2</sup> Category C, 1000-2 $\frac{3}{4}$ ; Category D, 1300-3.
COUNTY (ACV).....	<b>RNAV (GPS) Rwy 1<sup>1</sup></b>		<sup>3</sup> Categories A, B, 1000-2; Category C, 1000-3;
	<b>RNAV (GPS) Rwy 32<sup>2</sup></b>		Category D, 1300-3.
		<b>COLUMBIA, CA</b>	
<sup>1</sup> Categories A, B, 900-2; Category C, 900-2 $\frac{1}{2}$ ;		COLUMBIA (O22).....	<b>RNAV (GPS) Rwy 35</b>
Category D, 900-2 $\frac{3}{4}$ .			NA when local weather not available.
<sup>2</sup> Category D, 800-2 $\frac{1}{4}$ .			Categories A, B, 1100-2; Category C, 1100-3.
<b>ATWATER, CA</b>		<b>CRESCENT CITY, CA</b>	
CASTLE (MER).....	<b>ILS or LOC Rwy 31</b>	JACK MC NAMARA	
NA when local weather not available.		FLD (CEC).....	<b>RNAV (GPS) Rwy 12</b>
NA when control tower closed.			<b>RNAV (GPS) Rwy 36</b>
<b>AUBURN, CA</b>			<b>VOR Rwy 12</b>
AUBURN MUNI (AUN).....	<b>RNAV (GPS) Rwy 7</b>		<b>VOR/DME Rwy 12</b>
Category B, 900-2.			<b>VOR/DME Rwy 36</b>
<b>BISHOP, CA</b>			NA when local weather not available.
BISHOP (BIH).....	<b>LDA Rwy 17<sup>1</sup></b>	<b>FRESNO, CA</b>	
	<b>RNAV (GPS) Y Rwy 12<sup>2</sup></b>	FRESNO CHANDLER	
	<b>RNAV (GPS) Z Rwy 12<sup>3</sup></b>	EXEC (FCH).....	<b>RNAV (GPS) Rwy 12</b>
<sup>1</sup> Categories A, B, 2300-2; Categories C, D, 2300-3.			NA when local weather not available.
<sup>2</sup> Categories A, B 2500-2; Category C, 2500-3.		FRESNO YOSEMITE	
<sup>3</sup> Categories A, B, 2300-2; Category C, 2300-3.		INTL (FAT).....	<b>ILS Y or LOC Y Rwy 29R<sup>1</sup></b>
<b>BYRON, CA</b>			<b>LOC Y Rwy 11L<sup>2</sup></b>
BYRON (C83).....	<b>RNAV (GPS) Rwy 30</b>		<b>TACAN Rwy 11L<sup>3</sup></b>
Category D, 800-2 $\frac{1}{2}$ .			<b>TACAN Rwy 29R<sup>2</sup></b>
<b>CHICO, CA</b>			<sup>1</sup> LOC, Category E, 900-2 $\frac{3}{4}$ .
CHICO MUNI (CIC).....	<b>ILS or LOC Rwy 13L</b>		<sup>2</sup> Category E, 900-2 $\frac{3}{4}$ .
	<b>RNAV (GPS) Rwy 13L</b>		<sup>3</sup> Category E, 900-2.
NA when local weather not available.		<b>GRASS VALLEY, CA</b>	
		NEVADA	
		COUNTY (GOO).....	<b>RNAV (GPS) Rwy 7</b>
			NA when local weather not available.
			Category D, 800-2 $\frac{1}{4}$ .

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**HAYWARD, CA**

HAYWARD EXEC (HWD).....**LOC/DME Rwy 28L**  
**RNAV (GPS) Rwy 28L**

NA when local weather not available.  
NA when control tower closed.  
Category D, 900-2¼.

**HOLLISTER, CA**

HOLLISTER  
MUNI (CVH).....**RNAV (GPS) Rwy 31**

NA when local weather not available.  
Category C, 800-2¼.

**LINCOLN, CA**

LINCOLN RGNL/KARL  
HARDER FLD (LHM).....**RNAV (GPS) Rwy 15**  
**RNAV (GPS) Rwy 33**

NA when local weather not available.

**LITTLE RIVER, CA**

LITTLE RIVER (LLR).....**RNAV (GPS) Rwy 29**

Category D, 900-2¼.

**LIVERMORE, CA**

LIVERMORE MUNI (LVK).....**ILS Rwy 25R<sup>12</sup>**  
**LOC Rwy 25R<sup>34</sup>**  
**RNAV (GPS) Rwy 25R<sup>5</sup>**

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

**MAMMOTH LAKES, CA**

MAMMOTH  
YOSEMITE (MMH).....**RNAV (GPS) Rwy 27**

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

**MARYSVILLE, CA**

YUBA COUNTY (MYV).....**RNAV (GPS) Rwy 14**  
**RNAV (GPS) Rwy 32**

NA when local weather not available.

**MODESTO, CA**

MODESTO CITY-COUNTY-HARRY SHAM  
FLD (MOD).....**ILS or LOC Rwy 28R<sup>12</sup>**  
**RNAV (GPS) Rwy 28R<sup>3</sup>**

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>LOC, Category D, 800-2¼.  
<sup>3</sup>Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

**MONTEREY, CA**

MONTEREY  
RGNL (MRV).....**ILS or LOC Rwy 10R<sup>12</sup>**  
**LOC Rwy 28L<sup>13</sup>**  
**RNAV (GPS) Rwy 10R<sup>4</sup>**  
**RNAV (GPS) Y Rwy 28L<sup>5</sup>**  
**RNAV (RNP) Z Rwy 28L<sup>6</sup>**

<sup>1</sup>NA when control tower closed.  
<sup>2</sup>LOC, Category C, 1100-3; Category D, NA.  
<sup>3</sup>Categories A, B, 1700-2, Categories C, D, 1700-3.  
<sup>4</sup>Category C, 1100-3; Category D, NA.  
<sup>5</sup>Categories A, B, 900-2, Category C, 1100-3.  
<sup>6</sup>Categories A, B, C, 1000-3.

**MOUNTAIN VIEW, CA**

MOFFET FEDERAL  
AIRFIELD (NUQ).....**ILS or LOC Rwy 32R<sup>12</sup>**  
**LOC Rwy 14L<sup>136</sup>**  
**RNAV (GPS) Rwy 14L<sup>4</sup>**  
**RNAV (GPS) Rwy 14R<sup>4</sup>**  
**RNAV (GPS) Rwy 32L<sup>4</sup>**  
**RNAV (GPS) Rwy 32R<sup>36</sup>**  
**TACAN Rwy 32L<sup>15</sup>**  
**TACAN Rwy 32R<sup>15</sup>**

<sup>1</sup>NA when tower closed.  
<sup>2</sup>LOC, Category D, 800-2½; Category E, 1000-3.  
<sup>3</sup>Category D, 800-2½.  
<sup>4</sup>Category D, 800-2¼.  
<sup>5</sup>Category D, 800-2½; Category E, 1000-3.  
<sup>6</sup>NA when local weather not available.

**NAPA, CA**

NAPA  
COUNTY (APC).....**ILS or LOC Z Rwy 1L<sup>12</sup>**  
**RNAV (GPS) Rwy 6<sup>3</sup>**  
**RNAV (GPS) Y Rwy 1L<sup>4</sup>**  
**VOR Rwy 6<sup>5</sup>**

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

**NOVATO, CA**

GNOSS FLD (DVO).....**RNAV (GPS) Rwy 13**

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

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**OAKLAND, CA**METRO OAKLAND  
INTL (OAK).....

ILS or LOC Rwy 12<sup>1</sup>  
 ILS or LOC Rwy 30<sup>1</sup>  
 ILS or LOC/DME Rwy 28R<sup>1</sup>  
 RNAV (GPS) Rwy 10L<sup>2</sup>  
 RNAV (GPS) Rwy 10R<sup>2</sup>  
 RNAV (GPS) Y Rwy 12<sup>2</sup>  
 RNAV (GPS) Y Rwy 28L<sup>2</sup>  
 RNAV (GPS) Y Rwy 28R<sup>2</sup>  
 RNAV (GPS) Y Rwy 30<sup>2</sup>  
 VOR Rwy 10R<sup>2</sup>

<sup>1</sup>ILS, Category C, 700-2; Category D, 1400-3;  
 LOC, Category D, 1400-3.

<sup>2</sup>Category D, 1400-3.

**PALO ALTO, CA**

PALO ALTO (PAO).....RNAV (GPS) Rwy 31  
 NA when control tower closed.

**PETALUMA, CA**

PETALUMA MUNI (O69).....RNAV (GPS) Rwy 29  
 NA when local weather not available.  
 Category B, 900-2.

**PLACERVILLE, CA**

PLACERVILLE (PVF).....RNAV (GPS) Rwy 5  
 NA when local weather not available.  
 Category B, 900-2.

**RED BLUFF, CA**

RED BLUFF  
 MUNI (RBL).....RNAV (GPS) Rwy 15<sup>1</sup>  
 RNAV (GPS) Rwy 33  
 VOR Rwy 33  
 VOR/DME Rwy 15<sup>1</sup>

NA when local weather not available.

<sup>1</sup>Category D, 800-2½.

**REDDING, CA**

REDDING  
 MUNI (RDD).....ILS or LOC Rwy 34<sup>12</sup>  
 LOC BC Rwy 16<sup>13</sup>  
 RNAV (GPS) Rwy 16<sup>3</sup>  
 RNAV (GPS) Rwy 34<sup>3</sup>  
 VOR Rwy 34<sup>4</sup>

NA when local weather not available.

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

<sup>2</sup>LOC, Category D, 900-2¾; Category E, 900-3.

<sup>3</sup>Category D, 900-2¾.

<sup>4</sup>Categories A, B, 1200-2; Categories C, D, 1200-3.

**SACRAMENTO, CA**

SACRAMENTO  
 EXE (SAC).....ILS or LOC Rwy 2<sup>12</sup>  
 RNAV (GPS) Rwy 2<sup>3</sup>  
 VOR Rwy 2<sup>3</sup>

NA when local weather not available.

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

<sup>2</sup>LOC, Category D, 800-2½.

<sup>3</sup>Category D, 800-2½.

NAME ALTERNATE MINIMUMS

**SACRAMENTO, CA (CON'T)**

SACRAMENTO  
 INTL (SMF).....ILS or LOC Rwy 17L<sup>1</sup>  
 RNAV (GPS) Y Rwy 17L<sup>2</sup>  
 RNAV (GPS) Y Rwy 35R<sup>2</sup>

<sup>1</sup>LOC, Category D, 900-2¾.

<sup>2</sup>Category D, 900-2¾.

**SACRAMENTO**

MATHER (MHR).....ILS or LOC Rwy 22L<sup>12</sup>  
 RNAV (GPS) Rwy 4R<sup>3</sup>  
 RNAV (GPS) Rwy 22L<sup>34</sup>  
 RNAV (GPS) Rwy 22R<sup>34</sup>

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

<sup>2</sup>LOC, Category E, 800-2½.

<sup>3</sup>Category D, 800-2½.

<sup>4</sup>NA when local weather not available.

**SALINAS, CA**

SALINAS MUNI (SNS).....ILS Rwy 31<sup>1</sup>  
 LOC Rwy 31<sup>12</sup>  
 RNAV (GPS) Rwy 8<sup>3</sup>  
 RNAV (GPS) Rwy 13<sup>2</sup>  
 RNAV (GPS) Y Rwy 31<sup>2</sup>  
 RNAV (GPS) Z Rwy 31<sup>1</sup>  
 VOR Rwy 13<sup>4</sup>

NA when local weather not available.

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

<sup>2</sup>Category D, 1600-3.

<sup>3</sup>Category D, 1500-3.

<sup>4</sup>Category D, 900-2¾.

**SAN ANDREAS, CA**

CALAVERAS CO-MAURY RASMUSSEN  
 FIELD (CPU).....RNAV (GPS) Rwy 31  
 Category C, 1100-3.

**SAN CARLOS, CA**

SAN CARLOS (SQL).....RNAV (GPS) Y Rwy 30<sup>1</sup>  
 RNAV (GPS) Z Rwy 30<sup>2</sup>

NA when local weather not available.

<sup>1</sup>Categories A, B, 1300-2.

<sup>2</sup>Categories A, B, 900-2.

## NAME ALTERNATE MINIMUMS

**SAN FRANCISCO, CA**

SAN FRANCISCO

INTL (SFO).....**ILS or LOC Rwy 19L**<sup>1</sup>  
**ILS or LOC Rwy 28L**<sup>2</sup>  
**ILS or LOC Rwy 28R**<sup>7</sup>  
**RNAV (GPS) Rwy 10L**<sup>3</sup>  
**RNAV (GPS) Rwy 28L**<sup>4</sup>  
**RNAV (GPS) Y Rwy 10R**<sup>3</sup>  
**RNAV (GPS) Z Rwy 28R**<sup>5</sup>  
**RNAV (RNP) Z Rwy 10R**<sup>6</sup>

<sup>1</sup>LOC, Categories A, B, 1800-2; Categories C, D, 1800-3.<sup>2</sup>ILS, Categories A, B, C, D, 800-2; LOC, Category A, 900-2; Category B, 1000-2; Category C, 1600-3.<sup>3</sup>Categories A, B, 1200-2, Categories C, D, 1200-3.<sup>4</sup>Categories A, B, 1100-2; Category C, 1600-3; Category D, 1100-2½.<sup>5</sup>Category B, 1000-2; Category C, 1600-3.<sup>6</sup>Categories A, B, C, D, 1100-4.<sup>7</sup>LOC, Category B, 1000-2; Category C, 1600-3.**SAN JOSE, CA**

NORMAN Y MINETA SAN JOSE

INTL (SJC).....**ILS or LOC Rwy 12R**  
**ILS or LOC Rwy 30L**

NA when control tower closed.

**SAN MARTIN, CA**SAN MARTIN (E16).....**RNAV (GPS) Rwy 32**

NA when local weather not available.  
 Category B, 900-2.

**SANTA ROSA, CA**

CHARLES M SCHULZ-SONOMA

COUNTY (STS).....**ILS or LOC Rwy 32**<sup>123</sup>  
**RNAV (GPS) Rwy 2**<sup>4</sup>  
**RNAV (GPS) Rwy 14**<sup>4</sup>  
**RNAV (GPS) Rwy 32**<sup>14</sup>

<sup>1</sup>NA when local weather not available.<sup>2</sup>NA when control tower closed.<sup>3</sup>LOC, Category C, 1000-3; Category D, 1300-3.<sup>4</sup>Category C, 1000-3; Category D, 1300-3.**STOCKTON, CA**

STOCKTON

METRO (SCK).....**ILS or LOC Rwy 29R**

NA when control tower closed.

**SUSANVILLE, CA**

SUSANVILLE

MUNI (SVE).....**RNAV (GPS) Rwy 29**

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

## NAME ALTERNATE

**TRUCKEE, CA**

TRUCKEE-TAHOE

(TRK).....**RNAV (GPS)-A**<sup>1</sup>  
**RNAV (GPS) Rwy 11**<sup>2</sup>  
**RNAV (GPS) Rwy 20**<sup>3</sup>

NA when local weather not available.

<sup>1</sup>Categories A, B, 1600-2; Category C, 1800-3.<sup>2</sup>Categories A, B, 1900-2; Category C, 1900-3.<sup>3</sup>Category A, 1300-2; Category B, 1400-2; Category C, 1800-3.**UKIAH, CA**

UKIAH MUNI (UKI).....**RNAV (GPS)-B**<sup>1</sup>  
**VOR-A**<sup>2</sup>

<sup>1</sup>Categories A, B, 2000-2; Categories C, D, 2000-3.<sup>2</sup>Categories A, B, 2800-2; Categories C, D, 2800-3.**VACAVILLE, CA**

NUT TREE (VCB).....**RNAV (GPS) Rwy 20**<sup>12</sup>  
**VOR-A**<sup>3</sup>

<sup>1</sup>NA when local weather not available.<sup>2</sup>Category C, 900-2½; Category D, 1400-3.<sup>3</sup>Categories A, B, 900-2; Category C, 900-2½; Category D, 1300-3.**VISALIA, CA**

VISALIA

MUNI (VIS).....**RNAV (GPS) Rwy 12**  
**RNAV (GPS) Rwy 30**

NA when local weather not available.

**WATSONVILLE, CA**

WATSONVILLE

MUNI (WVI).....**RNAV (GPS) Rwy 2**<sup>1</sup>  
**VOR-A**<sup>23</sup>

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