

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
ALTURAS, CA		CONCORD, CA	
ALTURAS		BUCHANAN	
MUNI (AAT).....	RNAV (GPS) Rwy 31	FLD (CCR).....	LDA Rwy 19R¹²
Category B, 900-2.			RNAV (GPS) Rwy 19R³
			VOR Rwy 19R³
ARCATA/EUREKA, CA			¹ NA when control tower closed.
CALIFORNIA REDWOOD COAST-HUMBOLDT COUNTY (ACV).....	RNAV (GPS) Rwy 1¹		² Category C, 1000-2 $\frac{1}{4}$; Category D, 1300-3.
	RNAV (GPS) Rwy 32²		³ Categories A, B, 1000-2; Category C, 1000-3; Category D, 1300-3.
	¹ Categories A, B, 900-2; Category C, 900-2 $\frac{1}{2}$; Category D, 900-2 $\frac{3}{4}$.	COLUMBIA, CA	
	² Category D, 800-2 $\frac{1}{4}$.	COLUMBIA (O22).....	RNAV (GPS) Rwy 35
ATWATER, CA			NA when local weather not available.
CASTLE (MER).....	ILS or LOC Rwy 31		Categories A, B, 1100-2; Category C, 1100-3.
	NA when local weather not available.	CRESCENT CITY, CA	
	NA when control tower closed.	JACK MC NAMARA	
AUBURN, CA		FLD (CEC).....	RNAV (GPS) Rwy 12
AUBURN MUNI (AUN).....	RNAV (GPS) Rwy 7		RNAV (GPS) Rwy 36
Category B, 900-2.			VOR Rwy 12
			VOR/DME Rwy 12
			VOR/DME Rwy 36
BISHOP, CA			NA when local weather not available.
BISHOP (BIH).....	LDA Rwy 17¹	FRESNO, CA	
	RNAV (GPS) Y Rwy 12²	FRESNO CHANDLER	
	RNAV (GPS) Z Rwy 12³	EXEC (FCH).....	RNAV (GPS) Rwy 12
			NA when local weather not available.
	¹ Categories A, B, 2300-2; Categories C, D, 2300-3.	FRESNO YOSEMITE	
	² Categories A, B 2500-2; Category C, 2500-3.	INTL (FAT).....	ILS Y or LOC Y Rwy 29R¹
	³ Categories A, B, 2300-2; Category C, 2300-3.		LOC Y Rwy 11L²
BYRON, CA			TACAN Rwy 11L³
BYRON (C83).....	RNAV (GPS) Rwy 30		TACAN Rwy 29R²
Category D, 800-2 $\frac{1}{2}$.			
			¹ LOC, Category E, 900-2 $\frac{3}{4}$.
CHICO, CA			² Category E, 900-2 $\frac{1}{4}$.
CHICO MUNI (CIC).....	ILS or LOC Rwy 13L		³ Category E, 900-2.
	RNAV (GPS) Rwy 13L	GRASS VALLEY, CA	
	NA when local weather not available.	NEVADA	
		COUNTY (GOO).....	RNAV (GPS) Rwy 7
			NA when local weather not available.
			Category D, 800-2 $\frac{1}{4}$.

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HAYWARD, CAHAYWARD EXEC (HWD).....**LOC/DME Rwy 28L**
RNAV (GPS) Rwy 28LNA 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, CALITTLE RIVER (LLR).....**RNAV (GPS) Rwy 29**

Category D, 900-2¼.

LIVERMORE, CALIVERMORE MUNI (LVK).....**ILS Rwy 25R¹²**
LOC Rwy 25R³⁴
RNAV (GPS) Rwy 25R⁵¹NA when local weather not available.
²NA when control tower closed.
³NA when tower closed.
⁴Categories A, B, 1600-2; Categories C, D, 1600-3.
⁵Category D, 1400-3.**MAMMOTH LAKES, CA**MAMMOTH
YOSEMITE (MMH).....**RNAV (GPS) Rwy 27**

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

MARYSVILLE, CAYUBA COUNTY (MYV).....**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

MODESTO, CAMODESTO CITY-COUNTY-HARRY SHAM
FLD (MOD).....**ILS or LOC Rwy 28R¹²**
RNAV (GPS) Rwy 28R³¹NA when control tower closed.
²LOC, Category D, 800-2¼.
³Category D, 800-2¼.

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MONTEREY, CAMONTEREY
RGNL (MRV).....**ILS or LOC Rwy 10R¹²**
LOC Rwy 28L¹³
RNAV (GPS) Rwy 10R⁴
RNAV (GPS) Y Rwy 28L⁵
RNAV (RNP) Z Rwy 28L⁶¹NA when control tower closed.
²LOC, Category C, 1100-3; Category D, NA.
³Categories A, B, 1700-2, Categories C, D, 1700-3.
⁴Category C, 1100-3; Category D, NA.
⁵Categories A, B, 900-2, Category C, 1100-3.
⁶Categories A, B, C, 1000-3.**MOUNTAIN VIEW, CA**MOFFET FEDERAL
AIRFIELD (NUQ).....**ILS or LOC Rwy 32R¹²**
LOC Rwy 14L¹³⁶
RNAV (GPS) Rwy 14L⁴
RNAV (GPS) Rwy 14R⁴
RNAV (GPS) Rwy 32L⁴
RNAV (GPS) Rwy 32R³⁶
TACAN Rwy 32L¹⁵
TACAN Rwy 32R¹⁵¹NA when tower closed.
²LOC, Category D, 800-2¼; Category E, 1000-3.
³Category D, 800-2¼.
⁴Category D, 800-2¼.
⁵Category D, 800-2¼; Category E, 1000-3.
⁶NA when local weather not available.**NAPA, CA**NAPA
COUNTY (APC).....**ILS or LOC Z Rwy 1L¹²**
RNAV (GPS) Rwy 6³
RNAV (GPS) Y Rwy 1L⁴
VOR Rwy 6⁵NA when local weather not available.
¹NA when control tower closed.
²LOC, Categories C, D, 1300-3.
³Categories A, B, 1100-2;
Categories C, D, 1200-3.
⁴Categories A, B, C, D, 1300-5.
⁵Categories C, D, 1300-3.**NOVATO, CA**GNOSS FLD (DVO).....**RNAV (GPS) Rwy 13**NA when local weather not available.
Categories A, B, 1300-2.

NAME ALTERNATE MINIMUMS

OAKLAND, CA
METRO OAKLAND
INTL (OAK).....ILS or LOC Rwy 12¹
ILS or LOC Rwy 30¹
ILS or LOC/DME Rwy 28R¹
RNAV (GPS) Rwy 10L²
RNAV (GPS) Rwy 10R²
RNAV (GPS) Y Rwy 12²
RNAV (GPS) Y Rwy 28L²
RNAV (GPS) Y Rwy 28R²
RNAV (GPS) Y Rwy 30²
VOR Rwy 10R²¹ILS, Category C, 700-2; Category D, 1400-3;
LOC, Category D, 1400-3.
²Category 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 15¹
RNAV (GPS) Rwy 33
VOR Rwy 33
VOR/DME Rwy 15¹NA when local weather not available.
¹Category D, 800-2½.**REDDING, CA**REDDING
MUNI (RDD).....ILS or LOC Rwy 34¹²
LOC BC Rwy 16¹³
RNAV (GPS) Rwy 16³
RNAV (GPS) Rwy 34³
VOR Rwy 34⁴NA when local weather not available.
¹NA when control tower closed.
²LOC, Category D, 900-2¾; Category E, 900-3.
³Category D, 900-2¾.
⁴Categories A, B, 1200-2; Categories C, D, 1200-3.**SACRAMENTO, CA**SACRAMENTO
EXE (SAC).....ILS or LOC Rwy 2¹²
RNAV (GPS) Rwy 2³
VOR Rwy 2³NA when local weather not available.
¹NA when control tower closed.
²LOC, Category D, 800-2½.
³Category D, 800-2½.

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SACRAMENTO, CA (CON'T)SACRAMENTO
INTL (SMF).....ILS or LOC Rwy 17L¹
RNAV (GPS) Y Rwy 17L²
RNAV (GPS) Y Rwy 35R²¹LOC, Category D, 900-2¾.
²Category D, 900-2¾.**SACRAMENTO**MATHER (MHR).....ILS or LOC Rwy 22L¹²
RNAV (GPS) Rwy 4R³
RNAV (GPS) Rwy 22L³⁴
RNAV (GPS) Rwy 22R³⁴¹NA when control tower closed.
²LOC, Category E, 800-2½.
³Category D, 800-2¾.
⁴NA when local weather not available.**SALINAS, CA**SALINAS MUNI (SNS).....ILS Rwy 31¹
LOC/DME Rwy 31²
RNAV (GPS) Rwy 13¹²
RNAV (GPS) Y Rwy 31¹²
RNAV (GPS) Z Rwy 31¹
VOR Rwy 13³¹NA when local weather not available.
²Category D, 1600-3.
³Category D, 1000-3.**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 30¹
RNAV (GPS) Z Rwy 30²NA when local weather not available.
¹Categories A, B, 1300-2.
²Categories A, B, 900-2.**SAN FRANCISCO, CA**SAN FRANCISCO
INTL (SFO).....ILS or LOC Rwy 19L¹
ILS or LOC Rwy 28L²
RNAV (GPS) Rwy 10L³
RNAV (GPS) Rwy 28L⁴
RNAV (GPS) Y Rwy 10R³
RNAV (GPS) Z Rwy 28R⁵
RNAV (RNP) Z Rwy 10R⁶¹LOC, Categories A, B, 1800-2; Categories C, D, 1800-3.
²ILS, Categories A, B, C, D, 800-2;
LOC, Category A, 900-2; Category B, 1000-2;
Category C, 1600-3.
³Categories A, B, 1200-2; Categories C, D, 1200-3.
⁴Categories A, B, 1100-2; Category C, 1600-3;
Category D, 1100-2½.
⁵Category B, 1000-2; Category C, 1600-3.
⁶Categories A, B, C, D, 1100-4.

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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 32¹²³**
RNAV (GPS) Rwy 2⁴
RNAV (GPS) Rwy 14⁴
RNAV (GPS) Rwy 32¹⁴

¹NA when local weather not available.

²NA when control tower closed.

³LOC, Category C, 1000-3; Category D, 1300-3.

⁴Category 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.

TRUCKEE, CA

TRUCKEE-TAHOE
(TRK).....**RNAV (GPS)-A¹**
RNAV (GPS) Rwy 11²
RNAV (GPS) Rwy 20³

NA when local weather not available.

¹Categories A, B, 1600-2; Category C, 1800-3.

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

³Category A, 1300-2; Category B, 1400-2;

Category C, 1800-3.

UKIAH, CA

UKIAH MUNI (UKI).....**RNAV (GPS)-B¹**
VOR-A²

¹Categories A, B, 2000-2; Categories C, D, 2000-3.

²Categories A, B, 2800-2; Categories C, D, 2800-3.

VACAVILLE, CA

NUT TREE (VCB).....**RNAV (GPS) Rwy 20¹²**
VOR-A³

¹NA when local weather not available.

²Category C, 900-2½; Category D, 1400-3.

³Categories A, B, 900-2; Category C, 900-2½;

Category D, 1300-3.

NAME ALTERNATE

VISALIA, CA

VISALIA
MUNI (VIS).....**ILS or LOC Rwy 30**
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30
VOR Rwy 12

NA when local weather not available.

WATSONVILLE, CA

WATSONVILLE
MUNI (WVVI).....**RNAV (GPS) Rwy 2¹**
VOR-A²³

¹Category D, 1000-3.

²NA when local weather not available.

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

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