

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	FIELD (CCR).....	LDA Rwy 19R¹²
Category B, 900-2.			RNAV (GPS) Rwy 19R³
			VOR Rwy 19R²
ARCATA/EUREKA, CA		¹ NA when control tower closed.	
CALIFORNIA REDWOOD COAST-HUMBOLDT		² Category C, 1000-2¼; Category D, 1300-3.	
COUNTY (ACV).....	RNAV (GPS) Rwy 1¹	³ Categories A, B, 1000-2; Category C, 1000-3;	
	RNAV (GPS) Rwy 32²	Category D, 1300-3.	
¹ Categories A, B, 900-2; Category C, 900-2¼;			
Category D, 900-2¼.			
² Category D, 800-2¼.		COLUMBIA, CA	
		COLUMBIA (O22).....	RNAV (GPS) Rwy 35
		Categories A, B, 1100-2; Category C, 1100-3.	
ATWATER, CA		CRESCENT CITY, CA	
CASTLE (MER).....	ILS or LOC/DME Rwy 31¹	JACK MC NAMARA	
	RNAV (GPS) Rwy 13	FIELD (CEC).....	RNAV (GPS) Rwy 12
	RNAV (GPS) Rwy 31		RNAV (GPS) Rwy 36
	VOR/DME Rwy 31		VOR Rwy 12
NA when local weather not available.			VOR/DME Rwy 12
¹ NA when control tower closed.			VOR/DME Rwy 36
		NA when local weather not available.	
AUBURN, CA		FRESNO, CA	
AUBURN MUNI (AUN).....	RNAV (GPS) Rwy 7	FRESNO YOSEMITE	
Category B, 900-2.		INTL (FAT).....	ILS Y or LOC Y Rwy 29R¹
			LOC Y Rwy 11L²
			VOR/DME or TACAN Rwy 11L²
			VOR/DME or TACAN Rwy 29R²
BISHOP, CA		¹ ILS, LOC, Category E, 900-2¼.	
BISHOP (BIH).....	LDA Rwy 17¹	² Category E, 900-2¼.	
	RNAV (GPS) Y Rwy 12²		
	RNAV (GPS) Z Rwy 12³		
	VOR or GPS-A⁴, 3300-3.		
¹ Categories A, B, 2300-2; Categories C, D, 2300-3.			
² Categories A, B 2500-2; Category C, 2500-3.			
³ Categories A, B, 2300-2; Category C, 2300-3.			
⁴ NA when Bishop altimeter setting not available.			
BYRON, CA		GRASS VALLEY, CA	
BYRON (C83).....	RNAV (GPS) Rwy 30	NEVADA	
Category D, 800-2½.		COUNTY (GOO).....	RNAV (GPS) Rwy 7
		Category D, 800-2¼.	
CHICO, CA		HANFORD, CA	
CHICO MUNI (CIC).....	VOR/DME Rwy 31R	HANFORD MUNI (HJO).....	RNAV (GPS) Rwy 32
NA when control tower closed except for operators			RNAV (GPS)-A
with approved weather reporting service.			VOR-A
		NA when local weather not available.	

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NAME ALTERNATE MINIMUMS

HAYWARD, CA

HAYWARD
EXECUTIVE (HWD).....**LOC/DME Rwy 28L¹**
RNAV (GPS) Rwy 28L
VOR/DME-A

NA when local weather not available.

¹NA when control tower closed.**HOLLISTER, CA**

HOLLISTER
MUNI (CVH).....**RNAV (GPS) Rwy 31**
NA when local weather not available.

LINCOLN, CA

LINCOLN RGNL/KARL
HARDER FIELD (LHM).....**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available.

LIVERMORE, CA

LIVERMORE MUNI (LVK).....**ILS Rwy 25R¹**
LOC Rwy 25R^{2,3}
RNAV (GPS) Rwy 25R⁴

¹NA when control tower closed.²NA when tower closed.³LOC, Categories A, B, 1600-2; Categories C, D, 1600-3.⁴Category 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.

MERCED, CA

MERCED RGNL/MACREADY
FIELD (MCE).....**ILS or LOC Rwy 30¹**
LOC BC Rwy 12¹
RNAV (GPS) Rwy 30²
VOR Rwy 30²

¹NA when class E airspace not in effect.²NA when local weather not available.**MODESTO, CA**

MODESTO CITY-COUNTY-HARRY SHAM
FIELD (MOD).....**ILS or LOC Rwy 28R¹**
RNAV (GPS) Rwy 28R²

¹NA when control tower closed.²NA when local weather not available.

NAME ALTERNATE MINIMUMS

MONTEREY, CA

MONTEREY
RGNL (MRY).....**ILS or LOC Rwy 10R¹²**
LOC Rwy 28L¹³
RNAV (GPS) Rwy 10R⁶
RNAV (GPS) Y Rwy 28L⁴
RNAV (RNP) Z Rwy 28L⁵

¹NA when control tower closed.²LOC, Category C, 1100-3; Category D, 1600-3.³Categories A, B, 1700-2, Categories C, D, 1700-3.⁴Categories A, B, 900-2, Category C, 1100-3.⁵Categories A, B, C, 1000-3.⁶Category C, 1100-3; Category D, 1600-3.**MOUNTAIN VIEW, CA**

MOFFET FEDERAL
AIRFIELD (NUQ).....**RNAV (GPS) Rwy 14L**
RNAV (GPS) Rwy 32L

Category D, 800-2¼.

NAPA, CA

NAPA
COUNTY (APC).....**ILS or LOC Z Rwy 36L¹²**
LOC Y Rwy 36L¹³
RNAV (GPS) X Rwy 36L⁴
RNAV (GPS) Y Rwy 36L⁵
RNAV (GPS) Z Rwy 36L⁵
VOR Rwy 6^{5,6}

¹NA when control tower closed.²LOC, Category C, 900-2¼, Category D, 1200-3.³Category C, 1200-3, Category D, 1800-3.⁴Categories A, B, 1300-2; Category C, 1300-3, Category D, 1800-3.⁵NA when local weather not available.⁶Category D, 1300-3.**OAKLAND, CA**

METROPOLITAN
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 10R²

¹ILS, Category C, 700-2; Category D, 1400-3;

LOC, Category D, 1400-3.

²Category D, 1400-3.**PALO ALTO, CA**

PALO ALTO (PAO).....**VOR/DME Rwy 31**
NA when control tower closed.

NAME ALTERNATE MINIMUMS

PETALUMA, CA

PETALUMA MUNI (O69).....RNAV (GPS) Rwy 29
 NA when local weather not available.

PLACERVILLE, CA

PLACERVILLE (PVF).....RNAV (GPS) Rwy 5
 NA when local weather not available.

RED BLUFF, CA

RED BLUFF
 MUNI (RBL).....RNAV (GPS) Rwy 15¹
 RNAV (GPS) Rwy 33
 VOR Rwy 33
 VOR/DME Rwy 15¹

NA when local weather not available.

¹Category D, 800-2½.

REDDING, CA

REDDING
 MUNI (RDD).....ILS or LOC/DME Rwy 34¹²³
 LOC/DME BC Rwy 16²³
 RNAV (GPS) Rwy 34³
 VOR Rwy 34⁴

¹ILS, Categories A, B, C, D, 700-2; Category E,

900-3. LOC, Category E, 900-3.

²NA when control tower closed.

³NA when local weather not available.

⁴Category C, 800-2½; Category D, 800-2½.

SACRAMENTO, CA

SACRAMENTO
 EXECUTIVE (SAC).....ILS or LOC Rwy 2¹
 RNAV (GPS) Rwy 2
 VOR Rwy 2

NA when local weather not available.

¹NA when control tower closed.

SACRAMENTO

INTL (SMF).....ILS or LOC Rwy 16L³
 ILS or LOC Rwy 34L²
 RNAV (GPS) Y Rwy 16L¹
 RNAV (GPS) Y Rwy 34R¹

¹Category D, 900-2½.

²NA when local weather not available.

³ILS, LOC Category D, 900-2½.

SACRAMENTO

MATHER (MHR).....ILS or LOC Rwy 22L¹²
 RNAV (GPS) Rwy 4R³
 RNAV (GPS) Rwy 22L³

¹NA when control tower closed.

²LOC, Category D, 800-2½; Category E, 800-2½.

³Category D, 800-2½.

NAME ALTERNATE MINIMUMS

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 13³

¹NA when local weather not available.

²Category D, 800-2½.

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 30²

NA 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 10R⁶

¹LOC, 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.

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
 Categories A, B, 1000-2.

NAME ALTERNATE MINIMUMS NAME ALTERNATE

SANTA ROSA, CA

CHARLES M SCHULZ-SONOMA
COUNTY (STS).....**ILS or LOC/DME Rwy 32¹²**
RNAV (GPS) Rwy 2³
RNAV (GPS) Rwy 14³
RNAV (GPS) Rwy 32³
VOR/DME Rwy 14³⁴

- ¹NA when control tower closed.
- ²ILS, LOC, Category C, 1000-3; Category D, 1300-3.
- ³Category C, 1000-3; Category D, 1300-3.
- ⁴NA when local weather not available.

STOCKTON, CA

STOCKTON METROPOLITAN
(SCK).....**ILS or LOC Rwy 29R**
NA when control tower closed.
¹ILS, Categories C, D, 700-2.

SUSANVILLE, CA

SUSANVILLE
MUNI (SVE).....**RNAV (GPS) Rwy 29**
Categories A, B, 1700-2; Categories, C, C, 1700-3.

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 20¹**
VOR-A²
¹Category C, 900-2½; Category D, 1300-3.
²Categories A, B, 900-2; Category C, 900-2½; Category D, 1300-3.

WATSONVILLE, CA

WATSONVILLE
MUNI (WVI).....**RNAV (GPS) Rwy 2**
VOR-A¹
NA when local weather not available.
¹Categories A, B, 1200-2; Categories C, D, 1200-3.

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