

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, 1000-2 $\frac{1}{4}$; 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, 900-2 $\frac{1}{4}$;			
Category D, 900-2 $\frac{1}{4}$.			
² Category D, 800-2 $\frac{1}{4}$.		COLUMBIA, CA	
ATWATER, CA		COLUMBIA (O22).....	RNAV (GPS) Rwy 35
CASTLE (MER).....	ILS or LOC/DME Rwy 31¹	Categories A, B, 1100-2; Category C, 1100-3.	
	RNAV (GPS) Rwy 13		
	RNAV (GPS) Rwy 31		
	VOR/DME Rwy 31		
NA when local weather not available.		CRESCENT CITY, CA	
¹ NA when control tower closed.		JACK MC NAMARA	
		FIELD (CEC).....	RNAV (GPS) Rwy 12
			RNAV (GPS) Rwy 36
			VOR Rwy 12
			VOR/DME Rwy 12
			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, 900-2 $\frac{1}{4}$.	
BISHOP (BIH).....	LDA Rwy 17¹	² Category E, 900-2 $\frac{1}{4}$.	
	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, 800-2 $\frac{1}{2}$.		COUNTY (GOO).....	RNAV (GPS) Rwy 7
		Category D, 800-2 $\frac{1}{4}$.	
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 25R²³
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 6⁵⁶

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.

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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.

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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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