

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 19R²
			VOR Rwy 19R³
ARCATA/EUREKA, CA			¹ NA when control tower closed.
CALIFORNIA REDWOOD COAST-HUMBOLDT			² Category C, 1000-2½; 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.
		COLUMBIA, CA	
¹ Categories A, B, 900-2; Category C, 900-2½;		COLUMBIA (O22).....	RNAV (GPS) Rwy 35
Category D, 900-2¾.			NA when local weather not available.
² Category D, 800-2¼.			Categories A, B, 1100-2; Category C, 1100-3.
ATWATER, CA		CRESCENT CITY, CA	
CASTLE (MER).....	ILS or LOC Rwy 31	JACK MC NAMARA	
NA when local weather not available.		FIELD (CEC).....	RNAV (GPS) Rwy 12
NA when control tower closed.			RNAV (GPS) Rwy 36
AUBURN, CA			VOR Rwy 12
AUBURN MUNI (AUN).....	RNAV (GPS) Rwy 7		VOR/DME Rwy 12
Category B, 900-2.			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	EXECUTIVE (FCH).....	RNAV (GPS) Rwy 12
¹ Categories A, B, 2300-2; Categories C, D, 2300-3.			NA when local weather not available.
² Categories A, B 2500-2; Category C, 2500-3.		FRESNO YOSEMITE	
³ Categories A, B, 2300-2; Category C, 2300-3.		INTL (FAT).....	ILS Y or LOC Y Rwy 29R¹
BYRON, CA			LOC Y Rwy 11L²
BYRON (C83).....	RNAV (GPS) Rwy 30		TACAN Rwy 11L³
Category D, 800-2½.			TACAN Rwy 29R²
CHICO, CA			¹ LOC, Category E, 900-2¾.
CHICO MUNI (CIC).....	ILS or LOC Rwy 13L		² Category E, 900-2¾.
	RNAV (GPS) Rwy 13L		³ Category E, 900-2.
NA when local weather not available.		GRASS VALLEY, CA	
		NEVADA	
		COUNTY (GOO).....	RNAV (GPS) Rwy 7
			Category D, 800-2¼.

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HAYWARD, CA

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

NA when local weather not available.

¹NA when control tower closed.

LINCOLN, CA

LINCOLN RGNL/KARL
HARDER FIELD (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 25R¹²**
LOC Rwy 25R³⁴
RNAV (GPS) Rwy 25R⁵

¹NA 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, 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
FIELD (MOD).....**ILS or LOC Rwy 28R¹²**
RNAV (GPS) Rwy 28R³

¹NA when control tower closed.

²LOC, Category D, 800-2¼.

³Category D, 800-2¼.

MONTEREY, CA

MONTEREY
RGNL (MRY).....**ILS or LOC Rwy 10R¹²**
LOC Rwy 28L¹³
RNAV (GPS) Rwy 10R⁴
RNAV (GPS) Y Rwy 28L⁵
RNAV (RNP) Z Rwy 28L⁶

¹NA 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.

NAME ALTERNATE MINIMUMS

MOUNTAIN VIEW, CA

MOFFET FEDERAL
AFLD (NUQ).....**ILS or LOC Rwy 32R¹²**
LOC Rwy 14L¹³
RNAV (GPS) Rwy 14L⁴
RNAV (GPS) Rwy 14R⁴
RNAV (GPS) Rwy 32L⁴
RNAV (GPS) Rwy 32R³
TACAN Rwy 32L¹⁵
TACAN Rwy 32R¹⁵

¹NA when tower closed.

²LOC, Category D, 800-2½; Category E, 1000-3.

³Category D, 800-2½.

⁴Category D, 800-2¼.

⁵Category D, 800-2½; Category E, 1000-3.

NAPA, CA

NAPA
COUNTY (APC).....**ILS or LOC Z Rwy 1L¹²**
RNAV (GPS) Rwy 6³
RNAV (GPS) Y Rwy 1L⁴
VOR Rwy 6⁵

NA when local weather not available.

¹NA when control tower closed.

²LOC, Categories C, D, 1300-3.

³Categories A, B, 1000-1¼;

Categories C, D, 1300-3.

⁴Categories A, B, C, D, 1300-5.

⁵Categories C, 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).....**RNAV (GPS) Rwy 31**
NA when control tower closed.

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.

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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, 800-2¼.

REDDING, CA

REDDING
MUNI (RDD).....ILS or LOC Rwy 34¹²
LOC BC Rwy 16¹³
RNAV (GPS) Rwy 16³
RNAV (GPS) Rwy 34³
VOR Rwy 34⁴

NA 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
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 17L¹
RNAV (GPS) Y Rwy 17L²
RNAV (GPS) Y Rwy 35R²

¹LOC, Category D, 900-2¾.

²Category D, 900-2¾.

SACRAMENTO

MATHER (MHR).....ILS or LOC Rwy 22L¹²
RNAV (GPS) Rwy 4R³
RNAV (GPS) Rwy 22L³⁴

¹NA when control tower closed.

²LOC, Category E, 800-2½.

³Category D, 800-2¼.

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 13³

¹NA when local weather not available.

²Category D, 800-2¼.

³Category D, 1000-3.

SAN ANDREAS, CA

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

NAME ALTERNATE MINIMUMS

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

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

¹NA when control tower closed.

²ILS, LOC, Category C, 1000-3;
Category D, 1300-3.

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

STOCKTON, CA

STOCKTON METROPOLITAN
(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.

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NAME ALTERNATE MINIMUMS NAME ALTERNATE

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 20¹
VOR-A²

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

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 (WVI).....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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