



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
ARCATA/EUREKA, CA

CALIFORNIA REDWOOD COAST-HUMBOLDT COUNTY (ACV) RNAV (GPS) Rwy 1¹
RNAV (GPS) Rwy 32²

¹Categories A, B, 900-2; Category C, 900-2½;
Category D, 900-2¾.
²Category D, 800-2¾.

ATWATER, CA

CASTLE (MER) ILS or LOC/DME Rwy 31¹
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
VOR/DME Rwy 31

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

AUBURN, CA

AUBURN MUNI (AUN) RNAV (GPS) Rwy 7
NA when local weather not available.

BISHOP, CA

BISHOP (BIH) LDA Rwy 17¹
RNAV (GPS) Y Rwy 12²
RNAV (GPS) Z Rwy 12³
VOR or GPS-A⁴, 3300-3

¹Categories A, B, 2300-2; Categories C, D, 2300-3.
²Categories A, B 2500-2; Category C, 2500-3.
³Categories A, B, 2300-2; Category C, 2300-3.
⁴NA when Bishop altimeter setting not available.

BYRON, CA

BYRON (C83) RNAV (GPS) Rwy 30
Category D, 800-2¾.

CHICO, CA

CHICO MUNI (CIC) VOR/DME Rwy 31R
NA when control tower closed except for operators with approved weather reporting service.

NAME ALTERNATE MINIMUMS
CONCORD, CA

BUCHANAN
FIELD (CCR) LDA Rwy 19R¹²
RNAV (GPS) Rwy 19R³
VOR Rwy 19R³

¹NA when control tower closed.
²Category C, 1000-2¾; Category D, 1300-3.
³Categories A, B, 1000-2; Category C, 1000-3; Category D, 1300-3.

COLUMBIA, CA

COLUMBIA (O22) RNAV (GPS) Rwy 35
Categories A, B, 1100-2; Category C, 1100-3.

CRESCENT CITY, CA

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.

FRESNO, CA

FRESNO YOSEMITE
INTL (FAT) ILS or LOC/DME Rwy 29R
LOC Rwy 11L
VOR/DME or TACAN Rwy 11L
VOR/DME or TACAN Rwy 29R
Category E, 900-2¾.

GRASS VALLEY, CA

NEVADA COUNTY
AIR PARK (GOO) RNAV (GPS) Rwy 7
NA when local weather not available.
Category D, 800-2¾.

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HALF MOON BAY, CA

HALF MOON
BAY (HAF)RNAV (GPS) Y Rwy 12
RNAV (GPS) Y Rwy 30

NA when local weather not available.

HANFORD, CA

HANFORD MUNI (HJO)RNAV (GPS) Rwy 32
RNAV (GPS)-A
VOR-A

NA when local weather not available.

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^{1,2}
RNAV (GPS) Rwy 25R^{3,4}

¹NA when control tower closed.

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

³NA when local weather not available.

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.

NAME ALTERNATE MINIMUMS

MERCED, CA

MERCED RGNL/MACREADY
FIELD (MCE)..... ILS or LOC Rwy 30¹
LOC BC Rwy 12¹
RNAV (GPS) Rwy 12²
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/DME Rwy 28R¹
RNAV (GPS) Rwy 28R

NA when local weather not available.

¹NA when control tower closed.

MONTEREY, CA

MONTEREY
RGNL (MRY)..... ILS or LOC Rwy 10R^{1,2}
LOC Rwy 28L^{1,3}
RNAV (GPS) Rwy 10R⁶
RNAV (GPS) Y Rwy 28L⁴
RNAV (RNP) Z Rwy 28L⁵

¹NA when control tower closed.

²ILS, Categories A, B, 700-2; Category C, 1100-3; Category D, 1600-3. LOC, 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.

NAPA, CA

NAPA
COUNTY (APC) ILS or LOC Rwy 36L^{1,2}
RNAV (GPS) Y Rwy 36L
RNAV (GPS) Z Rwy 36L
VOR Rwy 6³

NA when local weather not available.

¹NA when control tower closed.

²ILS, Category A, 700-2; Category B, 800-2; Category C, 900-2^{3/4}; Category D, 1200-3. LOC, Category C, 900-2^{3/4}, Category D, 1200-3.

³Category D, 1300-3.

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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.

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, 800-2¼; Category D, 800-2½.

NAME ALTERNATE MINIMUMS

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, 900-2¾.

²NA when local weather not available.

³ILS, LOC Category D, 900-2¾.

SACRAMENTO

MATHER (MHR) **ILS or LOC/DME Rwy 22L**
 NA when control tower closed.
 Category E, 800-2½.

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.

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.

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SAN FRANCISCO, CA

SAN FRANCISCO
INTL (SFO)..... **ILS or LOC Rwy 19L²**
ILS or LOC Rwy 28L⁶
ILS or LOC Rwy 28R³
RNAV (GPS) Rwy 10L¹
RNAV (GPS) Rwy 28L⁷
RNAV (GPS) Y Rwy 10R²
RNAV (GPS) Z Rwy 28R⁴
RNAV (RNP) Z Rwy 10R⁵

¹Categories A, B, 1200-2; Categories C, D, 1200-3.

²Categories A, B, 1800-2; Categories C, D, 1800-3.

³ILS, Category A, 700-2; Category B, 1000-2; Category C, 1600-3; LOC, Category B, 1000-2; Category C, 1600-3.

⁴Category B, 1000-2; Category C, 1600-3.

⁵Categories A, B, C, D, 1100-4.

⁶ILS, LOC, Categories A, B, 1100-2; Category C, 1600-3.

⁷Categories A, B, 1100-2; Category C, 1600-3; Category D, 1100-2½.

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.

SANTA ROSA, CA

CHARLES M SCHULZ-SONOMA
COUNTY (STS)..... **ILS or LOC/DME Rwy 32¹²³**
RNAV (GPS) Rwy 14²⁴
RNAV (GPS) Rwy 2²⁴
RNAV (GPS) Rwy 32⁴
VOR/DME Rwy 14²⁴

¹NA when control tower closed.

²NA when local weather not available.

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

⁴Category C, 1000-3; Category D, 1300-3.

STOCKTON, CA

STOCKTON METROPOLITAN
(SCK)..... **ILS or LOC Rwy 29R**

NA when control tower closed.

¹ILS, Categories C, D, 700-2.

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.

NAME ALTERNATE MINIMUMS

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/DME 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 2**
VOR/DME-A¹

NA when local weather not available.

¹Categories A, B, 1200-2; Categories C, D, 1200-3.

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