

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

ALTURAS, CA
 ALTURAS
 MUNI (AAT).....RNAV (GPS) Rwy 31
 Category B, 900-2.

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, 800-2¼.

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, 800-2½.

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 19R²

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 Y or LOC Y Rwy 29R¹
 LOC Y Rwy 11L²
 VOR/DME or TACAN Rwy 11L²
 VOR/DME or TACAN Rwy 29R²

¹ILS, LOC, Category E, 900-2¾.
²Category E, 900-2¾.

GRASS VALLEY, CA
 NEVADA
 COUNTY (GOO).....RNAV (GPS) Rwy 7
 NA when local weather not available.
 Category D, 800-2¼.

HALF MOON BAY, CA
 HALF MOON
 BAY (HAF).....RNAV (GPS) Y Rwy 12
 RNAV (GPS) Y Rwy 30
 NA when local weather not available.

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

NA when local weather not available.

HAYWARD, CAHAYWARD
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, CALIVERMORE MUNI (LVK).....ILS Rwy 25R¹
LOC Rwy 25R^{2,3}
RNAV (GPS) Rwy 25R⁴¹NA 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, CAMERCED RGNL/MACREADY
FIELD (MCE).....ILS or LOC Rwy 30¹
LOC BC Rwy 12¹
RNAV (GPS) Rwy 30²
VOR Rwy 30²¹NA when class E airspace not in effect.²NA when local weather not available.

NAME ALTERNATE MINIMUMS

MODESTO, CAMODESTO 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 10R¹²
LOC Rwy 28L¹³
RNAV (GPS) Rwy 10R⁶
RNAV (GPS) Y Rwy 28L⁴
RNAV (RNP) Z Rwy 28L⁵¹NA 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 36L¹²
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, 900-2½; Category D, 1200-3. LOC, Category C, 900-2½, Category D, 1200-3.³Category 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 10R²¹ILS, 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/DME Rwy 22L
NA when control tower closed.
Category E, 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
ILS or LOC Rwy 28R³
RNAV (GPS) Rwy 10L⁴
RNAV (GPS) Rwy 28L⁵
RNAV (GPS) Y Rwy 10R⁴
RNAV (GPS) Z Rwy 28R⁶
RNAV (RNP) Z Rwy 10R⁷

¹Categories A, B, 1800-2; Categories C, D, 1800-3.
²ILS, Categories A, B, C, D, 800-2; LOC, Category B, 1000-2; Category C, 1600-3.
³LOC, Category B, 1000-2; Category C, 1600-3.
⁴Categories A, B, 1200-2, Categories C, D, 1200-3.
⁵Categories A, B, 1100-2; Category C, 1600-3; Category D, 1100-2½.
⁶Category B, 1000-2; Category C, 1600-3.
⁷Categories 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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SANTA ROSA, CA

CHARLES M SCHULZ-SONOMA
COUNTY (STS).....**ILS or LOC/DME Rwy 32**¹²³
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.

SUSANVILLE, CA

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

UKIAH, CA

UKIAH MUNI (UKI).....**RNAV (GPS)-B**¹
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 20**¹
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-A¹
NA when local weather not available.
¹Categories A, B, 1200-2; Categories C, D, 1200-3.

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