

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 Rwy 31
NA when local weather not available.
NA when control tower closed.

AUBURN, CA

AUBURN MUNI (AUN).....RNAV (GPS) Rwy 7
Category B, 900-2.

BISHOP, CA

BISHOP (BIH).....LDA Rwy 17¹
RNAV (GPS) Y Rwy 12²
RNAV (GPS) Z Rwy 12³

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.

BYRON, CA

BYRON (C83).....RNAV (GPS) Rwy 30
Category D, 800-2½.

CHICO, CA

CHICO MUNI (CIC).....ILS or LOC Rwy 13L
RNAV (GPS) Rwy 13L
NA when local weather not available.

NAME ALTERNATE MINIMUMS

CONCORD, CA

BUCHANAN
FIELD (CCR).....LDA Rwy 19R¹²
RNAV (GPS) Rwy 19R²
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
NA when local weather not available.
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 CHANDLER
EXECUTIVE (FCH).....RNAV (GPS) Rwy 12
NA when local weather not available.

FRESNO YOSEMITE

INTL (FAT).....ILS Y or LOC Y Rwy 29R¹
LOC Y Rwy 11L²
TACAN Rwy 11L³
TACAN Rwy 29R²

¹LOC, Category E, 900-2¾.
²Category E, 900-2¾.
³Category E, 900-2.

GRASS VALLEY, CA

NEVADA
COUNTY (GOO).....RNAV (GPS) Rwy 7
Category D, 800-2¼.

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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.

LITTLE RIVER, CA

LITTLE RIVER (LLR).....**RNAV (GPS) Rwy 29**
Category D, 900-2¾.

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.

MODESTO, CA

MODESTO CITY-COUNTY-HARRY SHAM
FIELD (MOD).....**ILS or LOC Rwy 28R¹²**
RNAV (GPS) Rwy 28R³
VOR Rwy 28R³

¹NA when control tower closed.
²LOC, Category D, 800-2¼.
³Category D, 800-2¼.

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
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.

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NAME ALTERNATE MINIMUMS

PALO ALTO, CA

PALO ALTO (PAO).....RNAV (GPS) Rwy 31
VOR 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, 800-2¼.

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.

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, 800-2¼.

³Category D, 1000-3.

SAN ANDREAS, CA

SALAVERAS 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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SANTA ROSA, CA

CHARLES M SCHULZ-SONOMA
COUNTY (STS).....**ILS or LOC/DME Rwy 32**¹²
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.

SUSANVILLE, CA

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

TRUCKEE, CA

TRUCKEE-TAHOE
(TRK).....**RNAV (GPS)-A**¹
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)-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 Rwy 30**
RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30
VOR Rwy 12

NA when local weather not available.

NAME ALTERNATE

WATSONVILLE, CA

WATSONVILLE
MUNI (WVI).....**RNAV (GPS) Rwy 2**¹²
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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