

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
Category B, 900-2.

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 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 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
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.

31 JAN 2019 to 28 FEB 2019

31 JAN 2019 to 28 FEB 2019

NAME ALTERNATE MINIMUMS

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, CALINCOLN 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 25R²³
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 Rwy 28R¹
RNAV (GPS) Rwy 28R²¹NA when control tower closed.²NA when local weather not available.**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.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, CANAPA
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, 900-2¾; Category D, 1200-3.

LOC, Category C, 900-2¾, 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.

NAME ALTERNATE MINIMUMS

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, 800-2¼.

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.

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 Rwy 22L¹²
RNAV (GPS) Rwy 4R³
RNAV (GPS) Rwy 22L³

¹NA when control tower closed.
²LOC, Category D, 800-2¼; Category E, 800-2½.
³Category D, 800-2¼.

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

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.

31 JAN 2019 to 28 FEB 2019

31 JAN 2019 to 28 FEB 2019

19003

NAME ALTERNATE MINIMUMS NAME ALTERNATE

SANTA ROSA, CA

CHARLES M SCHULZ-SONOMA
COUNTY (STS).....**ILS or LOC 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

SUSANVILLE
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.

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.

31 JAN 2019 to 28 FEB 2019

31 JAN 2019 to 28 FEB 2019

19003

M4