

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, 800-2¼.

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 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
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 AIR PARK (GOO).....RNAV (GPS) Rwy 7
NA when local weather not available.
Category D, 800-2¼.

07 DEC 2017 to 04 JAN 2018

07 DEC 2017 to 04 JAN 2018

NAME ALTERNATE MINIMUMS

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 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.

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 10R¹²
LOC Rwy 28L¹³
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 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.

07 DEC 2017 to 04 JAN 2018

07 DEC 2017 to 04 JAN 2018

NAME ALTERNATE MINIMUMS

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.

07 DEC 2017 to 04 JAN 2018

07 DEC 2017 to 04 JAN 2018

NAME ALTERNATE MINIMUMS

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SAN FRANCISCO, CA

SAN FRANCISCO

INTL (SFO).....**ILS or LOC Rwy 19L**²
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.

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 (WV1).....**RNAV (GPS) Rwy 2**
VOR/DME-A¹

NA when local weather not available.

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

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 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.

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.

07 DEC 2017 to 04 JAN 2018

07 DEC 2017 to 04 JAN 2018