



INSTRUMENT APPROACH PROCEDURE CHARTS



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

ARCATA (ACV) ILS Z Rwy 32
ILS Y or LOC/DME Rwy 32¹
RNAV (GPS) Rwy 1³
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32²
VOR/DME Rwy 14

NA when local weather not available.

¹ILS, Categories A, B, C, D, 700-2.

²Category D, 800-2¼.

³Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

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/DME Rwy 16¹
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.

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)
RNAV (GPS) Y Rwy 19R
Categories A, B, 1000-2; Category C, 1000-3.

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, 900-2¼.

GRASS VALLEY, CA

NEVADA COUNTY
AIR PARK (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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NAME **ALTERNATE MINIMUMS**

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**
RNAV (GPS) Rwy 25R²³

¹Category D, 800-2¼.

²NA when local weather not available.

³Category 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, 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.

NAME **ALTERNATE MINIMUMS**

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 36L³
RNAV (GPS) Z Rwy 36L
VOR Rwy 6⁴

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.

³Categories A, B, 1300-2; Categories C, D, 1300-3.

⁴Category 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
OROVILLE, CA
OROVILLE MUNI (OVE) **RNAV (GPS) Rwy 2**
VOR-A
NA when local weather not available.

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.

NAME ALTERNATE MINIMUMS
SACRAMENTO, CA (CON'T)
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 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 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.

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NAME	ALTERNATE MINIMUMS	NAME	ALTERNATE MINIMUMS
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.			
¹ ILS, Categories C, D, 700-2.			

UKIAH, CA			
UKIAH MUNI (UKI)	RNAV (GPS)-B¹		
	VOR-A²		
¹ Categories A, B, 2000-2; Categories C, D, 2000-3.			
² Categories A, B, 2800-2; Categories C, D, 2800-3.			

VACAVILLE, CA			
NUT TREE (VCB).....	VOR/DME-A		
NA when local weather not available.			

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

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