

INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability.

ANA designation on the approach chart means that pilots may not use that approach as an alternate due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Approaches with the **A**NA designation are not listed in this section. **A** designation on the approach chart indicates that the approach procedure has non-standard minimums (for aircraft other than helicopters) or restrictions (for all users) for its use as an alternate.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	600-2	800-2
A Non-Standard or restrictions	As indicated below	As indicated below
Helicopters	For the selected approach: Ceiling: 200' above published ceiling Visibility: the greater of 1 SM visibility or the published visibility	
US Military (USA/USN/USAF)	See Service Regulations	

Note: For alternate airport flight planning purposes, precision approach operations include: ILS, PAR, and GLS, and Non-Precision approach operations include: NDB, VOR, LOC, TACAN, LDA, SDF, ASR, RNAV (GPS) and RNAV (RNP).

NAME ALTERNATE MINIMUMS**ALICE, TX**

ALICE INTL (ALI).....**LOC/DME Rwy 31¹²**
RNAV (GPS) Rwy 13¹
RNAV (GPS) Rwy 31¹²
VOR Rwy 31¹²
VOR-A³

¹NA when local weather not available.

²Category D, 800-2¼.

³Categories A, B, 900-2; Category C, 900-2¼, Category D, 900-3.

ALPINE, TX

ALPINE-CASPARIS
MUNI (E38).....**RNAV (GPS) Rwy 19¹**
RNAV (GPS) Rwy 23²

¹Category B, 1000-2; Category C, 1300-3.

²Category A, 900-2; Category B, 1000-2; Category C, 1300-3.

AUSTIN, TX

AUSTIN
EXEC (EDC).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31

NA when local weather not available.

NAME ALTERNATE MINIMUMS**AUSTIN, TX (CON'T)**

AUSTIN-BERGSTROM
INTL (AUS).....**ILS or LOC Rwy 18L¹**
ILS or LOC Rwy 36R¹
RNAV (GPS) Y Rwy 18L²
RNAV (GPS) Y Rwy 18R²
RNAV (GPS) Y Rwy 36L²
RNAV (GPS) Y Rwy 36R²

¹LOC, Category E, 1000-3.

²Category E, 1000-3.

SAN MARCOS

RGNL (HYI).....**NDB Rwy 13¹**
RNAV (GPS) Rwy 8²
RNAV (GPS) Rwy 13²
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 26²
RNAV (GPS) Rwy 31²
RNAV (GPS) Rwy 35²

NA when local weather not available.

¹Category D, 800-2¼.

²Category D, 800-2¼; Category E, 800-2¼.

BEEVILLE, TX

BEEVILLE MUNI (BEA).....**RNAV (GPS) Rwy 30**
Category C, 800-2½.

BIG LAKE, TX

REAGAN COUNTY (E41).....**RNAV (GPS) Rwy 16**
NA when local weather not available.
Category C, 800-2¼.

NAME ALTERNATE MINIMUMS

BRADY, TXCURTIS FLD (BBD).....RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35

NA when local weather not available.

BROWNSVILLE, TXBROWNSVILLE/SOUTH PADRE ISLAND
INTL (BRO).....ILS or LOC Rwy 13¹
LOC BC Rwy 31¹
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 31
VOR or TACAN-A

NA when local weather not available.

¹NA when control tower closed.**BROWNWOOD, TX**BROWNWOOD
RGNL (BWD).....LOC Rwy 17
RNAV (GPS) Rwy 17
VOR Rwy 35

NA when local weather not available.

Category D, 800-2½.

BURNET, TXBURNET MUNI/KATE CRADDOCK
FLD (BMQ).....RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 19

NA when local weather not available.

CASTROVILLE, TXCASTROVILLE
MUNI (CVB).....RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34

NA when local weather not available.

Category C, 900-2½.

COLEMAN, TXCOLEMAN MUNI (COM).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33¹

NA when local weather not available.

¹Category C, 800-2½.**COMANCHE, TX**COMANCHE
COUNTY-CITY (MKN).....RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35

NA when local weather not available.

NAME ALTERNATE MINIMUMS

CORPUS CHRISTI, TXCORPUS CHRISTI
INTL (CRP).....ILS or LOC Rwy 13¹
ILS or LOC Rwy 36^{2,4}
LOC Rwy 31²
RNAV (GPS) Rwy 18³
RNAV (GPS) X Rwy 31³
RNAV (GPS) Y Rwy 13³
RNAV (GPS) Y Rwy 31³
RNAV (GPS) Y Rwy 36³
VOR or TACAN Rwy 18^{3,4}¹ILS, LOC, Category C, 800-2½;

Category D, 800-2½; Category E, 800-2½.

²LOC, Category C, 800-2½; Category D, 800-2½;
Category E, 800-2½.³Category C, 800-2½; Category D, 800-2½;
Category E, 800-2½.⁴NA when local weather not available.**COTULLA, TX**COTULLA-LA SALLE
COUNTY (COT).....VOR-A
NA when local weather not available.**DEL RIO, TX**DEL RIO INTL (DRT).....RNAV (GPS) Rwy 13¹
VOR-A^{2,3}

NA when local weather not available.

¹Category D, 800-2½.²NA when Del Rio APP CON closed.³Category C, 800-2½. Category D, 800-2½.**EDINBURG, TX**SOUTH TEXAS INTL AT
EDINBURG (EBG).....RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32

Category D, 800-2½.

EL PASO, TXEL PASO INTL (ELP).....ILS or LOC Rwy 22¹
LOC/DME Rwy 4²
RADAR-1^{3,4}
RNAV (GPS) Rwy 26R²
RNAV (GPS) X Rwy 4²
RNAV (GPS) Y Rwy 22²
RNAV (GPS) Y Rwy 26L²
VOR Rwy 26L³¹LOC, Category D, 800-2½; Category E, 800-2½.²Category D, 800-2½.³Category D, 800-2½; Category E, 800-2½.⁴NA when local weather not available.**FALFURRIAS, TX**BROOKS
COUNTY (BKS).....RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35

Category C, 900-2½; Category D, 900-2½.

NAME ALTERNATE MINIMUMS

NAME ALTERNATE

FORT HOOD/KILLEEN, TX

ROBERT GRAY

AAF (GRK)..... ILS or LOC Rwy 15¹
ILS or LOC Rwy 33¹
RNAV (GPS) Rwy 15²
RNAV (GPS) Rwy 33²

¹LOC, Category E, 800-2½.

²Category E, 800-2½.

FORT STOCKTON, TX

FORT STOCKTON-PECOS

COUNTY (FST)..... RNAV (GPS) Rwy 12¹
RNAV (GPS) Rwy 30¹
VOR Rwy 12

Category D, 800-2½.

¹NA when local weather not available.

FREDERICKSBURG, TX

GILLESPIE

COUNTY (T82)..... RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32
VOR/DME-A

NA when local weather not available.

Category C, 900-2½.

GEORGETOWN, TX

GEORGETOWN

EXEC (GTU)..... RNAV (GPS) Rwy 11¹
RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 29¹
RNAV (GPS) Rwy 36

Category D, 900-2½.

¹NA when local weather not available.

HARLINGEN, TX

VALLEY INTL (HRL)..... ILS or LOC Rwy 17R¹²
LOC/DME BC Rwy 35L¹
RNAV (GPS) Rwy 17L²
RNAV (GPS) Rwy 35R²
RNAV (GPS) Y Rwy 13¹²
RNAV (GPS) Y Rwy 17R¹²
RNAV (GPS) Y Rwy 35L¹²
VOR Rwy 17L²
VOR/DME Y or TACAN Rwy 31²³

¹NA when control tower closed.

²NA when local weather not available.

³Categories A, B, 1000-2;

Categories C, D, 1000-3.

HEBRONVILLE, TX

JIM HOGG

COUNTY (HBV)..... RNAV (GPS) Rwy 13
NA when local weather not available.

HONDO, TX

SOUTH TEXAS RGNL

AT HONDO (HDO)..... RNAV (GPS) Rwy 17L
RNAV (GPS) Rwy 35R

NA when local weather not available.

INGLESIDE, TX

MC CAMPBELL-

PORTER (TFP)..... RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

NA when local weather not available.

Category C, 900-2½; Category D, 1000-3.

KENEDY, TX

KENEDY

RGNL (2R9)..... RNAV (GPS) Rwy 34

NA when local weather not available.

KERRVILLE, TX

KERRVILLE MUNI/LOUIS SCHREINER

FLD (ERV)..... RNAV (GPS) Rwy 12¹
RNAV (GPS) Rwy 30²
VOR-A³

NA when local weather not available.

¹Category C, 800-2½; Category D, 1000-3.

²Category C, 800-2½.

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

LAMPASAS, TX

LAMPASAS (LZZ).....

VOR-A

NA when local weather not available.

LAREDO, TX

LAREDO

INTL (LRD)..... ILS or LOC Rwy 18R¹²
LOC BC Rwy 36L¹²
RNAV (GPS) Rwy 14³
RNAV (GPS) Rwy 18L³
RNAV (GPS) Rwy 18R³
RNAV (GPS) Rwy 32³
RNAV (GPS) Rwy 36L³
VOR or TACAN Rwy 14³
VOR or TACAN Rwy 32³

¹NA when control tower closed.

²LOC, Category D, 800-2½; Category E, 800-2½.

³Category D, 800-2½; Category E, 800-2½.

LLANO, TX

LLANO MUNI (AQO)..... RNAV (GPS) Rwy 17

RNAV (GPS) Rwy 35
VOR-A

NA when local weather not available.

MARFA, TX

MARFA MUNI (MRF)..... RNAV (GPS) Rwy 31

VOR Rwy 31

Category D, 1000-3.

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NAME ALTERNATE MINIMUMS

MC ALLEN, TX

MC ALLEN

INTL (MFE).....ILS or LOC Rwy 14¹
 ILS or LOC Rwy 32²
 RNAV (GPS) Rwy 14²
 RNAV (GPS) Rwy 32²
 VOR Rwy 14²
 VOR Rwy 32²

NA when local weather not available.

¹ILS, Category D, 700-2¼; LOC, Category D, 800-2¼.

²Category D, 800-2¼.

MIDLAND, TX

MIDLAND

AIRPARK (MDD).....RNAV (GPS) Rwy 25¹
 RNAV (GPS) Rwy 34
 VOR Rwy 25¹

NA when local weather not available.

¹Category D, 900-3.

MIDLAND INTL AIR AND SPACE

PORT (MAF).....ILS or LOC Rwy 10¹²
 VOR or TACAN Rwy 34L³
 VOR or TACAN Rwy 16R³

¹ILS, Category D, 700-2; Category E, 800-2½;

LOC, Category E, 800-2½.

²NA when control tower closed.

³Category E, 800-2½.

NEW BRAUNFELS, TX

NEW BRAUNFELS

NTL (BAZ).....RNAV (GPS) Rwy 13
 RNAV (GPS) Rwy 17
 RNAV (GPS) Rwy 31
 RNAV (GPS) Rwy 35

NA when local weather not available.

ODESSA, TX

ODESSA-SCHLEMEYER

FLD (ODO).....RNAV (GPS) Rwy 11
 RNAV (GPS) Rwy 20
 RNAV (GPS) Rwy 29
 VOR-A

NA when local weather not available.

PECOS, TX

PECOS MUNI (PEQ).....RNAV (GPS) Rwy 14
 RNAV (GPS) Rwy 32

NA when local weather not available.

Category C, 800-2¼; Category D, 800-2½.

PLEASANTON, TX

PLEASANTON

MUNI (PEZ).....RNAV (GPS) Rwy 34

NA when local weather not available.

NAME ALTERNATE

PORT ARANSAS, TX

MUSTANG

BEACH (RAS).....RNAV (GPS) Rwy 12
 RNAV (GPS) Rwy 30

NA when local weather not available.

PORT ISABEL, TX

PORT ISABEL-CAMERON

COUNTY (PIL).....RNAV (GPS) Rwy 13

NA when local weather not available.

ROBSTOWN, TX

NUECES

COUNTY (RBO).....RNAV (GPS) Rwy 13
 RNAV (GPS) Rwy 31

NA when local weather not available.

ROCKPORT, TX

ARANSAS

COUNTY (RKP).....RNAV (GPS) Rwy 14
 RNAV (GPS) Rwy 18
 RNAV (GPS) Rwy 32
 RNAV (GPS) Rwy 36
 VOR or TACAN-A¹

NA when local weather not available.

¹Category C, 800-2¼.

ROCKSPRINGS, TX

EDWARDS

COUNTY (ECU).....VOR Rwy 14

NA when local weather not available.

SAN ANGELO, TX

SAN ANGELO RGNL/

MATHIS FLD (SJT).....ILS Y or LOC Y Rwy 3¹²
 NDB Rwy 3³
 RADAR-1³⁴
 RNAV (GPS) Rwy 3⁴
 RNAV (GPS) Rwy 18¹
 RNAV (GPS) Rwy 21⁴
 RNAV (GPS) Rwy 36⁴
 VOR/DME or TACAN Rwy 3⁴

¹LOC, Category D, 800-2½; Category E, 800-2¼.

²LOC, NA when control tower closed.

³NA when control tower closed.

⁴Category D, 800-2½; Category E, 800-2¼.

05 OCT 2023 to 02 NOV 2023

05 OCT 2023 to 02 NOV 2023

NAME ALTERNATE MINIMUMS

SAN ANTONIO, TX

BOERNE STAGE
AIRFIELD (5C1)..... **RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
NA when local weather not available.

SAN ANTONIO

INTL (SAT)..... **ILS or LOC Rwy 4¹**
ILS or LOC Rwy 13R²
ILS or LOC Rwy 31L³
RNAV (GPS) Y Rwy 4⁴
RNAV (GPS) Y Rwy 13R⁵
RNAV (GPS) Y Rwy 22⁴
RNAV (GPS) Y Rwy 31L⁴

¹ILS, LOC, Category D, 800-2¼.
²LOC, Category D, 800-2½.
³LOC, Category D, 800-2¼.
⁴Category D, 800-2¼.
⁵Categories A, B, 900-2; Category C, 900-2½;
Category D, 900-2¼.

SINTON, TX

ALFRED C BUBBA
THOMAS (T69)..... **RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32
VOR Rwy 14
NA when local weather not available.

SONORA, TX

SONORA MUNI (SOA)..... **RNAV (GPS) Rwy 18**
NA when local weather not available.
Category A, 900-2; Category B, 1000-2.

TAYLOR, TX

TAYLOR
MUNI (T74)..... **RNAV (GPS) Rwy 17**
VOR Rwy 17
NA when local weather not available.

TEMPLE, TX

DRAUGHON-MILLER CENTRAL
TEXAS RGNL (TPL)..... **RNAV (GPS) Rwy 16**
RNAV (GPS) Rwy 34
NA when local weather not available.
Category D, 800-2¼.

UVALDE, TX

GARNER FLD (UVA)..... **RNAV (GPS) Rwy 33**
Category D, 800-2¼.

VAN HORN, TX

CULBERSON
COUNTY (VHN)..... **RNAV (GPS) Rwy 21**
Category D, 1700-3.

NAME ALTERNATE

WACO, TX

TSTC WACO (CNW)..... **NDB Rwy 35R¹²**
RNAV (GPS) Rwy 17L
RNAV (GPS) Rwy 35R
NA when local weather not available.
¹NA when Waco Rgnl approach control closed.
²Category D, 800-2¼.

MC GREGOR

EXEC (PWG)..... **RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
NA when local weather not available.

WACO RGNL (ACT)..... **ILS or LOC Rwy 19¹**
RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 19
RNAV (GPS) Rwy 32
VOR/DME Rwy 13
NA when local weather not available.
¹NA when control tower closed.

WESLACO, TX

MID
VALLEY (TXW)..... **RNAV (GPS) Rwy 14**
NA when local weather not available.
Category D, 900-2¼.

WINK, TX

WINKLER
COUNTY (INK)..... **RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31
VOR Rwy 13
NA when local weather not available.
Category C, 800-2¼.

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