

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, 800-2¼.

BIG LAKE, TX

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

NAME ALTERNATE MINIMUMS

BRADY, TX

CURTIS FLD (BBD).....RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35

NA when local weather not available.

BROWNSVILLE, TX

BROWNSVILLE/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, TX

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

NA when local weather not available.

CASTROVILLE, TX

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

NA when local weather not available.

Category C, 900-2½.

COLEMAN, TX

COLEMAN 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, TX

CORPUS CHRISTI
INTL (CRP).....ILS or LOC Rwy 13¹
ILS or LOC Rwy 36¹
LOC Rwy 31²
RNAV (GPS) Rwy 18²
RNAV (GPS) X Rwy 31²
RNAV (GPS) Y Rwy 13²
RNAV (GPS) Y Rwy 31²
RNAV (GPS) Y Rwy 36²
VOR or TACAN Rwy 18²

¹LOC, Category C, 800-2½; Category D, 800-2½;

Category E, 800-2½.

²Category C, 800-2½; Category D, 800-2½;

Category E, 800-2½.

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-A²³

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, TX

EL PASO INTL (ELP).....ILS or LOC Rwy 22¹
LOC/DME Rwy 4²
RADAR-1³⁴
RNAV (GPS) Rwy 26R²
RNAV (GPS) X Rwy 4²
RNAV (GPS) Y Rwy 22²
RNAV (GPS) Y Rwy 26L²
VOR Rwy 26L³

¹LOC, 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.

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NAME ALTERNATE MINIMUMS

FORT CAVAZOS (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.

NAME ALTERNATE

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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M3

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
RNAV (GPS) Rwy 3⁴
RNAV (GPS) Rwy 18⁴
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.

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 13R¹
ILS or LOC Rwy 31L¹
RNAV (GPS) Y Rwy 4²
RNAV (GPS) Y Rwy 13R²
RNAV (GPS) Y Rwy 22²
RNAV (GPS) Y Rwy 31L²

¹LOC, Category D, 800-2¼.
²Category D, 800-2¼.

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.

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.

NAME ALTERNATE

WACO, TX (CON'T)
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 32
NA when local weather not available.
¹NA when control tower closed.

WESLACO, TX
MID
VALLEY (TXW).....RNAV (GPS) Rwy 14¹
VOR-A
NA when local weather not available.
¹Category 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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