

INSTRUMENT APPROACH PROCEDURE CHARTS

**A** IFR ALTERNATE AIRPORT MINIMUMS

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

**A**NA 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	<b>600-2</b>	<b>800-2</b>
<b>A</b> 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 31<sup>12</sup>**  
**RNAV (GPS) Rwy 13<sup>1</sup>**  
**RNAV (GPS) Rwy 31<sup>12</sup>**  
**VOR Rwy 31<sup>12</sup>**  
**VOR-A<sup>3</sup>**

<sup>1</sup>NA when local weather not available.  
<sup>2</sup>Category D, 800-2¼.  
<sup>3</sup>Categories A, B, 900-2; Category C, 900-2¾, Category D, 900-3.

**ALPINE, TX**

ALPINE-CASPARIS  
MUNI (E38).....**RNAV (GPS) Rwy 19<sup>1</sup>**  
**RNAV (GPS) Rwy 23<sup>2</sup>**

<sup>1</sup>Category B, 1000-2; Category C, 1300-3.  
<sup>2</sup>Category 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)**

SAN MARCOS  
RGNL (HY1).....**NDB Rwy 13<sup>1</sup>**  
**RNAV (GPS) Rwy 8<sup>2</sup>**  
**RNAV (GPS) Rwy 13<sup>2</sup>**  
**RNAV (GPS) Rwy 17<sup>2</sup>**  
**RNAV (GPS) Rwy 26<sup>2</sup>**  
**RNAV (GPS) Rwy 31<sup>2</sup>**  
**RNAV (GPS) Rwy 35<sup>2</sup>**

NA when local weather not available.  
<sup>1</sup>Category D, 800-2¼.  
<sup>2</sup>Category D, 800-2¼; Category E, 800-2¾.

**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.

**BRADY, TX**

CURTIS FLD (BBB).....**RNAV (GPS) Rwy 17**  
**RNAV (GPS) Rwy 35**

NA when local weather not available.

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**BROWNSVILLE, TX**  
BROWNSVILLE/SOUTH PADRE ISLAND  
INTL (BRO).....**ILS or LOC Rwy 13<sup>1</sup>**  
**LOC BC Rwy 31<sup>1</sup>**  
**RNAV (GPS) Rwy 13**  
**RNAV (GPS) Rwy 18**  
**RNAV (GPS) Rwy 31**  
**VOR or TACAN-A**

NA when local weather not available.  
<sup>1</sup>NA when control tower closed.

**BROWNWOOD, TX**  
BROWNWOOD  
RGNL (BWD).....**LOC Rwy 17**  
**RNAV (GPS) Rwy 17**  
**VOR 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, 900-2¼.

**COLEMAN, TX**  
COLEMAN MUNI (COM).....**RNAV (GPS) Rwy 15**  
**RNAV (GPS) Rwy 33<sup>1</sup>**

NA when local weather not available.  
<sup>1</sup>Category C, 800-2¼.

**COMANCHE, TX**  
COMANCHE  
COUNTY-CITY (MKN).....**RNAV (GPS) Rwy 17**  
**RNAV (GPS) Rwy 35**

NA when local weather not available.

**CORPUS CHRISTI, TX**  
CORPUS CHRISTI  
INTL (CRP).....**ILS or LOC Rwy 13<sup>1</sup>**  
**ILS or LOC Rwy 36<sup>1</sup>**  
**LOC Rwy 31<sup>2</sup>**  
**RNAV (GPS) Rwy 18<sup>2</sup>**  
**RNAV (GPS) X Rwy 31<sup>2</sup>**  
**RNAV (GPS) Y Rwy 13<sup>2</sup>**  
**RNAV (GPS) Y Rwy 31<sup>2</sup>**  
**RNAV (GPS) Y Rwy 36<sup>2</sup>**  
**VOR or TACAN Rwy 18<sup>2</sup>**

<sup>1</sup>LOC, Category C, 800-2¼; Category D, 800-2½;  
Category E, 800-2¼.  
<sup>2</sup>Category C, 800-2¼; Category D, 800-2½;  
Category E, 800-2¼.

NAME ALTERNATE MINIMUMS

**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 13<sup>1</sup>**  
**VOR-A<sup>23</sup>**

NA when local weather not available.  
<sup>1</sup>Category D, 800-2¼.  
<sup>2</sup>NA when Del Rio APP CON closed.  
<sup>3</sup>Category C, 800-2¼. Category D, 800-2½.

**EDINBURG, TX**  
SOUTH TEXAS INTL AT  
EDINBURG (EBG).....**RNAV (GPS) Rwy 14**  
**RNAV (GPS) Rwy 32**

Category D, 800-2¼.

**EL PASO, TX**  
EL PASO INTL (ELP).....**ILS or LOC Rwy 22<sup>1</sup>**  
**LOC/DME Rwy 4<sup>2</sup>**  
**RADAR-1<sup>34</sup>**  
**RNAV (GPS) Rwy 26R<sup>2</sup>**  
**RNAV (GPS) X Rwy 4<sup>2</sup>**  
**RNAV (GPS) Y Rwy 22<sup>2</sup>**  
**RNAV (GPS) Y Rwy 26L<sup>2</sup>**  
**VOR Rwy 26L<sup>3</sup>**

<sup>1</sup>LOC, Category D, 800-2¼; Category E, 800-2½.  
<sup>2</sup>Category D, 800-2¼.  
<sup>3</sup>Category D, 800-2¼; Category E, 800-2½.  
<sup>4</sup>NA when local weather not available.

**FALFURRIAS, TX**  
BROOKS  
COUNTY (BKS).....**RNAV (GPS) Rwy 17**  
**RNAV (GPS) Rwy 35**

Category C, 900-2½; Category D, 900-2¼.

**FORT CAVAZOS (KILLEEN), TX**  
ROBERT GRAY  
AAF (GRK).....**ILS or LOC Rwy 15<sup>1</sup>**  
**ILS or LOC Rwy 33<sup>1</sup>**  
**RNAV (GPS) Rwy 15<sup>2</sup>**  
**RNAV (GPS) Rwy 33<sup>2</sup>**

<sup>1</sup>LOC, Category E, 800-2½.  
<sup>2</sup>Category E, 800-2½.

**FORT STOCKTON, TX**  
FORT STOCKTON-PECOS  
COUNTY (FST).....**RNAV (GPS) Rwy 12<sup>1</sup>**  
**RNAV (GPS) Rwy 30<sup>1</sup>**  
**VOR Rwy 12**

Category D, 800-2¼.  
<sup>1</sup>NA when local weather not available.

NAME ALTERNATE MINIMUMS

**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 11<sup>1</sup>  
RNAV (GPS) Rwy 18  
RNAV (GPS) Rwy 29<sup>1</sup>  
RNAV (GPS) Rwy 36

Category D, 900-2¾.  
<sup>1</sup>NA when local weather not available.

**HARLINGEN, TX**

VALLEY INTL (HRL).....ILS or LOC Rwy 18R<sup>1</sup>  
ILS or LOC Rwy 36L  
RNAV (GPS) Rwy 18L  
RNAV (GPS) Rwy 36R  
RNAV (GPS) Y Rwy 13  
RNAV (GPS) Y Rwy 18R  
RNAV (GPS) Y Rwy 31  
RNAV (GPS) Y Rwy 36L  
VOR Rwy 18L  
VOR Rwy 36L  
VOR Y or TACAN Rwy 31<sup>2</sup>  
VOR Z Rwy 31

NA when local weather not available.  
<sup>1</sup>NA when control tower closed.  
<sup>2</sup>Categories 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**

INGLESIDE RGNL (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.

NAME ALTERNATE

**KERRVILLE, TX**

KERRVILLE MUNI/LOUIS SCHREINER  
FLD (ERV).....RNAV (GPS) Rwy 12<sup>1</sup>  
RNAV (GPS) Rwy 30<sup>2</sup>  
VOR-A<sup>3</sup>

NA when local weather not available.  
<sup>1</sup>Category C, 800-2¼; Category D, 1000-3.  
<sup>2</sup>Category C, 800-2¼.  
<sup>3</sup>Categories A, B, 900-2, Category C, 900-2½.

**LAGO VISTA, TX**

LAGO VISTA TX/  
RUSTY ALLEN (RYW).....RNAV (GPS) Rwy 15  
NA when local weather not available.

**LAJITAS, TX**

LAJITAS INTL (T89).....RNAV (GPS) Rwy 7<sup>1</sup>  
RNAV (GPS) Y Rwy 25<sup>2</sup>

NA when local weather not available.  
<sup>1</sup>Categories A, B, 1600-2; Categories C, D, 1600-3.  
<sup>2</sup>Categories A, B, 1400-2; Category C, 1400-3,  
Category D, 1600-3.

**LAMPASAS, TX**

LAMPASAS (LZZ).....RNAV (GPS) Rwy 34  
VOR-A

NA when local weather not available.

**LAREDO, TX**

LAREDO INTL (LRD).....ILS or LOC Rwy 18R<sup>12</sup>  
LOC BC Rwy 36L<sup>12</sup>  
RNAV (GPS) Rwy 14<sup>3</sup>  
RNAV (GPS) Rwy 18L<sup>3</sup>  
RNAV (GPS) Rwy 18R<sup>3</sup>  
RNAV (GPS) Rwy 32<sup>3</sup>  
RNAV (GPS) Rwy 36L<sup>3</sup>  
VOR or TACAN Rwy 14<sup>3</sup>  
VOR or TACAN Rwy 32<sup>3</sup>

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

**LLANO, TX**

LLANO MUNI (AQO).....RNAV (GPS) Rwy 17  
RNAV (GPS) Rwy 35

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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**MC ALLEN, TX**  
MC ALLEN INTL (MFE).....ILS or LOC Rwy 14<sup>1</sup>  
  **ILS or LOC Rwy 32<sup>1</sup>**  
  **RNAV (GPS) Rwy 14<sup>2</sup>**  
  **RNAV (GPS) Rwy 32<sup>2</sup>**  
  **VOR Rwy 14<sup>2</sup>**  
  **VOR Rwy 32<sup>2</sup>**

NA when local weather not available.  
<sup>1</sup>ILS, Category D, 700-2¼; LOC, Category D, 800-2¼.  
<sup>2</sup>Category D, 800-2¼.

**MIDLAND, TX**  
MIDLAND  
AIRPARK (MDD).....**RNAV (GPS) Rwy 25<sup>1</sup>**  
  **RNAV (GPS) Rwy 34**  
  **VOR Rwy 25<sup>1</sup>**

NA when local weather not available.  
<sup>1</sup>Category D, 900-3.

MIDLAND INTL AIR AND SPACE  
PORT (MAF).....**ILS or LOC Rwy 10<sup>12</sup>**  
  **VOR or TACAN Rwy 34L<sup>3</sup>**  
  **VOR or TACAN Rwy 16R<sup>3</sup>**

<sup>1</sup>ILS, Category D, 700-2; Category E, 800-2½;  
LOC, Category E, 800-2½.  
<sup>2</sup>NA when control tower closed.  
<sup>3</sup>Category E, 800-2½.

**MONAHANS, TX**  
ROY HURD  
MEML(E01).....**RNAV (GPS) Rwy 12**  
  **RNAV (GPS) Rwy 30**  
  **VOR/DME Rwy 12**

NA when local weather not available.

**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.

NAME ALTERNATE

**PLEASANTON, TX**  
PLEASANTON  
MUNI (PEZ).....**RNAV (GPS) Rwy 34**  
NA when local weather not available.

**PORT ARANSAS, TX**  
MUSTANG  
BEACH (RAS).....**RNAV (GPS) Rwy 12**  
  **RNAV (GPS) Rwy 30**  
NA when local weather not available.

**PORT ISABEL, TX**  
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-A<sup>1</sup>**

NA when local weather not available.  
<sup>1</sup>Category 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 3<sup>12</sup>**  
  **NDB Rwy 3<sup>3</sup>**  
  **RNAV (GPS) Rwy 3<sup>4</sup>**  
  **RNAV (GPS) Rwy 18<sup>4</sup>**  
  **RNAV (GPS) Rwy 21<sup>4</sup>**  
  **RNAV (GPS) Rwy 36<sup>4</sup>**  
  **VOR Y or TACAN Y Rwy 3<sup>4</sup>**

<sup>1</sup>LOC, Category D, 800-2¼; Category E, 800-2¼.  
<sup>2</sup>LOC, NA when control tower closed.  
<sup>3</sup>NA when control tower closed.  
<sup>4</sup>Category D, 800-2¼; Category E, 800-2¼.

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

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**SAN ANTONIO, TX (CON'T)**  
SAN ANTONIO  
INTL (SAT).....**ILS or LOC Rwy 13R<sup>1</sup>**  
**ILS or LOC Rwy 31L<sup>1</sup>**  
**RNAV (GPS) Y Rwy 4<sup>2</sup>**  
**RNAV (GPS) Y Rwy 13R<sup>2</sup>**  
**RNAV (GPS) Y Rwy 22<sup>2</sup>**  
**RNAV (GPS) Y Rwy 31L<sup>2</sup>**

<sup>1</sup>LOC, Category D, 800-2¼.  
<sup>2</sup>Category D, 800-2¼.

**SINTON, TX**  
SINTON (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 35R<sup>12</sup>**  
**RNAV (GPS) Rwy 17L**  
**RNAV (GPS) Rwy 35R**

NA when local weather not available.  
<sup>1</sup>NA when Waco Rgnl approach control closed.  
<sup>2</sup>Category D, 800-2¼.

MC GREGOR  
EXEC (PWG).....**RNAV (GPS) Rwy 17**  
**RNAV (GPS) Rwy 35**

NA when local weather not available.

NAME ALTERNATE

**WACO, TX (CON'T)**  
WACO RGNL (ACT).....**ILS or LOC Rwy 19<sup>1</sup>**  
**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.  
<sup>1</sup>NA when control tower closed.

**WESLACO, TX**  
MID  
VALLEY (TXW).....**RNAV (GPS) Rwy 14<sup>1</sup>**  
**VOR-A**

NA when local weather not available.  
<sup>1</sup>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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