

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, 900-2¼, 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)**

AUSTIN-BERGSTROM  
INTL (AUS).....**ILS or LOC Rwy 18L<sup>1</sup>**  
**ILS or LOC Rwy 36R<sup>1</sup>**  
**RNAV (GPS) Y Rwy 18L<sup>2</sup>**  
**RNAV (GPS) Y Rwy 18R<sup>2</sup>**  
**RNAV (GPS) Y Rwy 36L<sup>2</sup>**  
**RNAV (GPS) Y Rwy 36R<sup>2</sup>**

<sup>1</sup>LOC, Category E, 1000-3.  
<sup>2</sup>Category E, 1000-3.

**SAN MARCOS**

RGNL (HYI).....**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, 800-2¼.

**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.

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**BIGGS AAF (KBIF)**

FORT BLISS, TX.....RNAV (GPS) Rwy 22  
NA when R-5103 in use.

**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 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 35

NA when local weather not available.  
Category D, 800-2¼.

**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.

NAME ALTERNATE MINIMUMS

**CORPUS CHRISTI, TX**

CORPUS CHRISTI  
INTL (CRP).....ILS or LOC Rwy 13<sup>1</sup>  
ILS or LOC Rwy 36<sup>24</sup>  
LOC Rwy 31<sup>2</sup>  
RNAV (GPS) Rwy 18<sup>3</sup>  
RNAV (GPS) X Rwy 31<sup>3</sup>  
RNAV (GPS) Y Rwy 13<sup>3</sup>  
RNAV (GPS) Y Rwy 31<sup>3</sup>  
RNAV (GPS) Y Rwy 36<sup>3</sup>  
VOR or TACAN Rwy 18<sup>34</sup>

<sup>1</sup>ILS, LOC, Category C, 800-2¼;  
Category D, 800-2¼; Category E, 800-2¼.  
<sup>2</sup>LOC, Category C, 800-2¼; Category D, 800-2¼;  
Category E, 800-2¼.  
<sup>3</sup>Category C, 800-2¼; Category D, 800-2¼;  
Category E, 800-2¼.  
<sup>4</sup>NA 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 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, 800-2¼.

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

**FALFURRIAS, TX**

BROOKS  
COUNTY (BKS).....RNAV (GPS) Rwy 17  
RNAV (GPS) Rwy 35

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

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**FORT HOOD/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, 800-2½.

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

Category D, 900-2½.

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

**HARLINGEN, TX**

VALLEY INTL (HRL)..... ILS or LOC Rwy 17R<sup>12</sup>  
LOC/DME BC Rwy 35L<sup>1</sup>  
RNAV (GPS) Rwy 17L<sup>2</sup>  
RNAV (GPS) Rwy 35R<sup>2</sup>  
RNAV (GPS) Y Rwy 13<sup>12</sup>  
RNAV (GPS) Y Rwy 17R<sup>12</sup>  
RNAV (GPS) Y Rwy 35L<sup>12</sup>  
VOR Rwy 17L<sup>2</sup>  
VOR/DME Y or TACAN Rwy 31<sup>23</sup>

<sup>1</sup>NA when control tower closed.

<sup>2</sup>NA when local weather not available.

<sup>3</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.

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 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, 800-2½; Category D, 1000-3.

<sup>2</sup>Category C, 800-2½.

<sup>3</sup>Categories 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 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, 800-2½; Category E, 800-2½.

<sup>3</sup>Category 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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**MC ALLEN, TX**

MC ALLEN

INTL (MFE).....ILS or LOC Rwy 14<sup>1</sup>  
 ILS or LOC Rwy 32<sup>2</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.

**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-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>  
 RADAR-1<sup>34</sup>  
 RNAV (GPS) Rwy 3<sup>4</sup>  
 RNAV (GPS) Rwy 18<sup>1</sup>  
 RNAV (GPS) Rwy 21<sup>4</sup>  
 RNAV (GPS) Rwy 36<sup>4</sup>  
 VOR/DME or TACAN Rwy 3<sup>4</sup>

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

<sup>2</sup>LOC, NA when control tower closed.

<sup>3</sup>NA when control tower closed.

<sup>4</sup>Category D, 800-2½; Category E, 800-2½.

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**SAN ANTONIO, TX**

BOERNE STAGE  
FLD (5C1)..... **RNAV (GPS) Rwy 17**  
**RNAV (GPS) Rwy 35**

NA when local weather not available.

**SAN ANTONIO**

INTL (SAT)..... **ILS or LOC Rwy 4<sup>1</sup>**  
**ILS or LOC Rwy 13R<sup>2</sup>**  
**ILS or LOC Rwy 31L<sup>3</sup>**  
**RNAV (GPS) Y Rwy 4<sup>4</sup>**  
**RNAV (GPS) Y Rwy 13R<sup>5</sup>**  
**RNAV (GPS) Y Rwy 22<sup>4</sup>**  
**RNAV (GPS) Y Rwy 31L<sup>4</sup>**

<sup>1</sup>ILS, LOC, Category D, 800-2¼.  
<sup>2</sup>LOC, Category D, 800-2½.  
<sup>3</sup>LOC, Category D, 800-2¼.  
<sup>4</sup>Category D, 800-2¼.  
<sup>5</sup>Categories 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.

**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 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.

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**  
NA when local weather not available.  
Category D, 900-2¾.

**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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