

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.

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 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, 800-2½.

**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 33<sup>1</sup>

NA when local weather not available.

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

Category E, 800-2½.

<sup>2</sup>Category 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 13<sup>1</sup>  
VOR-A<sup>23</sup>

NA when local weather not available.

<sup>1</sup>Category D, 800-2½.

<sup>2</sup>NA when Del Rio APP CON closed.

<sup>3</sup>Category C, 800-2½. Category D, 800-2½.

**EDINBURG, TX**

SOUTH TEXAS INTL AT  
EDINDBURG (EBG).....RNAV (GPS) Rwy 14  
RNAV (GPS) Rwy 32

Category D, 800-2½.

**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, 800-2½; Category E, 800-2½.

<sup>2</sup>Category D, 800-2½.

<sup>3</sup>Category D, 800-2½; 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, 900-2½.

16 MAY 2024 to 13 JUN 2024

16 MAY 2024 to 13 JUN 2024

24137

NAME ALTERNATE MINIMUMS

**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, 800-2½.  
<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.

16 MAY 2024 to 13 JUN 2024

16 MAY 2024 to 13 JUN 2024

24137

M3

**NAME ALTERNATE MINIMUMS**

**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 34<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>**  
   **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/DME or TACAN Rwy 3<sup>4</sup>**

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

16 MAY 2024 to 13 JUN 2024

16 MAY 2024 to 13 JUN 2024

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 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.

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 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.

16 MAY 2024 to 13 JUN 2024

16 MAY 2024 to 13 JUN 2024