

INSTRUMENT APPROACH PROCEDURE CHARTS

**A** IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non-precision approaches and approaches with vertical guidance [NDB, VOR, LOC, TACAN, LDA, SDF, VOR/DME, ASR, RNAV (GPS) or RNAV (RNP)] are 800-2. Standard alternate minimums for precision approaches (ILS, PAR, or GLS) are 600-2. Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Civil pilots see FAR 91. IFR Alternate Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

**ABERDEEN PROVING GROUND, MD**  
PHILLIPS AAF (KAPG)..... RNAV (GPS) Rwy 22  
NA when control tower closed.

**ABINGDON, VA**  
VIRGINIA HIGHLANDS (VJI).....LOC Rwy 24<sup>12</sup>  
RNAV (GPS) Rwy 6<sup>13</sup>  
RNAV (GPS) Rwy 24<sup>4</sup>

- <sup>1</sup>NA when local weather not available.
- <sup>2</sup>Categories A, B, 900-2, Category C, 900-2½, Category D, 1000-3.
- <sup>3</sup>Category C, 800-2½, Category D, 800-2½.
- <sup>4</sup>Category C, 800-2½, Category D, 1000-3.

**ANNAPOLIS, MD**  
LEE (ANP).....RNAV (GPS)-A  
NA when local weather not available.

**BALTIMORE, MD**  
BALTIMORE-WASHINGTON INTL THURGOOD  
MARSHALL (BWI).....ILS or LOC Rwy 10<sup>1</sup>  
ILS or LOC Rwy 15R<sup>2</sup>  
ILS or LOC Rwy 28<sup>2</sup>  
ILS or LOC Rwy 33L<sup>2</sup>  
RNAV (GPS) Y Rwy 10<sup>3</sup>  
RNAV (GPS) Y Rwy 15R<sup>3</sup>  
RNAV (GPS) Y Rwy 28<sup>3</sup>  
RNAV (GPS) Y Rwy 33L<sup>3</sup>

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

MARTIN STATE (MTN).....LDA Rwy 33<sup>12</sup>  
LOC Rwy 15<sup>123</sup>  
RNAV (GPS) Rwy 15<sup>2</sup>  
RNAV (GPS) Rwy 33<sup>2</sup>  
VOR/DME or TACAN Z Rwy 15<sup>3</sup>

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

NAME ALTERNATE MINIMUMS

**BLACKSBURG, VA**  
VIRGINIA TECH/MONTGOMERY  
EXECUTIVE (BCB).....RNAV (GPS) Rwy 12<sup>1</sup>  
RNAV (GPS) Rwy 30

NA when local weather not available.  
<sup>1</sup>Category C, 900-2½.

**BROOKNEAL, VA**  
BROOKNEAL/CAMPBELL  
COUNTY (0V4).....RNAV (GPS) Rwy 6  
RNAV (GPS) Rwy 24  
VOR-A

NA when local weather not available.

**BUMPASS, VA**  
LAKE  
ANNA (7W4).....RNAV (GPS) Rwy 8  
RNAV (GPS) Rwy 26

NA when local weather not available.

**CAMBRIDGE, MD**  
CAMBRIDGE-DORCHESTER  
RGNL (CGE).....RNAV (GPS) Rwy 34  
RNAV (GPS)-A

Category D, 800-2½.

**CHARLOTTESVILLE, VA**  
CHARLOTTESVILLE-  
ALBEMARLE (CHO).....ILS or LOC Rwy 3<sup>2</sup>  
RNAV (GPS) Rwy 3<sup>3</sup>  
RNAV (GPS) Y Rwy 21<sup>4</sup>  
RNAV (GPS) Z Rwy 21<sup>1</sup>

- NA when local weather not available.
- <sup>1</sup>Categories, A, B, C, D, 1000-4.
- <sup>2</sup>ILS, Categories A, B, 700-2; Category C, 900-2½; Category D, 900-2½. LOC, Category C, 900-2½; Category D, 900-2½.
- <sup>3</sup>Category C, 900-2½; Category D, 900-2½.
- <sup>4</sup>Category D, 900-2½.

18 JUL 2019 to 15 AUG 2019

18 JUL 2019 to 15 AUG 2019

NAME ALTERNATE MINIMUMS

**CLARKSVILLE, VA**

LAKE COUNTRY  
REGIONAL (W63).....RNAV (GPS)-A  
RNAV (GPS)-B  
NA when local weather not available.

**CREWE, VA**

CREWE  
MUNI (W81).....RNAV (GPS)-A  
Categories A, B, 1000-3.

**CULPEPER, VA**

CULPEPER RGNL (CJR).....LOC Rwy 4<sup>1</sup>  
NDB Rwy 4<sup>1</sup>  
RNAV (GPS) Rwy 4<sup>2</sup>  
RNAV (GPS) Rwy 22<sup>2</sup>  
VOR-A<sup>2</sup>

<sup>1</sup>NA when FBO closed.  
<sup>2</sup>NA when local weather not available.

**CUMBERLAND, MD**

GREATER CUMBERLAND  
RGNL (CBE).....LOC/DME Rwy 23<sup>14</sup>  
RNAV (GPS) Rwy 5<sup>2</sup>  
RNAV (GPS) Rwy 23<sup>3</sup>

NA when local weather not available.  
<sup>1</sup>Category A, 1000-2; Category B, 1400-2;  
Category C 1500-3, Category D 1600-3.  
<sup>2</sup>Category A, 1100-2; Category B, 1400-2;  
Category C, 1500-3; Category D, 1600-3.  
<sup>3</sup>Category A, 1100-2; Category B, 1400-2;  
Category C, 1500-3.  
<sup>4</sup>NA when CBE FBO closed.

**DANVILLE, VA**

DANVILLE RGNL (DAN).....ILS or LOC Rwy 2  
RNAV (GPS) Rwy 2  
RNAV (GPS) Rwy 20  
VOR Rwy 20<sup>1</sup>

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

**DUBLIN, VA**

NEW RIVER  
VALLEY (PSK).....RNAV (GPS) Rwy 6  
RNAV (GPS) Rwy 24  
VOR/DME Rwy 6

NA when local weather not available.

**EASTON, MD**

EASTON/NEWMAM  
FIELD (ESN).....ILS or LOC Rwy 4<sup>1</sup>  
RNAV (GPS) Rwy 4<sup>2</sup>  
RNAV (GPS) Rwy 22<sup>2</sup>

<sup>1</sup>ILS, LOC, NA when control tower closed.  
<sup>2</sup>NA when local weather not available.

NAME ALTERNATE MINIMUMS

**FARMVILLE, VA**

FARMVILLE RGNL (FVX).....NDB Rwy 3<sup>1</sup>  
RNAV (GPS) Rwy 3  
RNAV (GPS) Rwy 21  
NA when local weather not available.  
<sup>1</sup>Categories A, B, 900-2; Category C, 900-2½.

**FELKER AAF (KFAF)**

FORT EUSTIS, VA.....Orig 08297  
NDB Rwy 14  
COPTER NDB Rwy 14  
RNAV (GPS) Rwy 14  
COPTER RNAV (GPS) Rwy 14  
NA when control tower closed.

**FORT MEADE (ODENTON), MD**

TIPTON (FME).....RNAV (GPS) Rwy 28  
NA when local weather not available.

**FRANKLIN, VA**

FRANKLIN MUNI-JOHN BEVERLY  
ROSE (FKN).....RNAV (GPS) Rwy 9  
RNAV (GPS) Rwy 27  
NA when local weather not available.

**FREDERICK, MD**

FREDERICK  
MUNI (FDK).....RNAV (GPS) Rwy 5<sup>12</sup>  
RNAV (GPS) Y Rwy 23<sup>1</sup>  
RNAV (GPS) Z Rwy 23<sup>3</sup>

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

**FREDERICKSBURG, VA**

SHANNON (EZF).....RNAV (GPS) Rwy 24  
Categories A, B, C, 1100-3  
NA when local weather not available.

**GAITHERSBURG, MD**

MONTGOMERY COUNTY  
AIRPARK (GAI).....RNAV (GPS)-A  
RNAV (GPS) Rwy 14  
NA when local weather not available.

**GALAX/HILLSVILLE, VA**

TWIN COUNTY (HLX).....RNAV (GPS) Rwy 1  
RNAV (GPS) Rwy 19  
NA when local weather not available.

**GEORGETOWN, DE**

DELAWARE  
COASTAL (GED).....RNAV (GPS) Rwy 4  
RNAV (GPS) Rwy 22  
VOR Rwy 22

NA when local weather not available.

18 JUL 2019 to 15 AUG 2019

18 JUL 2019 to 15 AUG 2019

NAME ALTERNATE MINIMUMS

**HAGERSTOWN, MD**

HAGERSTOWN RGNL-RICHARD A.  
HENSON FIELD (HGR).....**ILS or LOC Rwy 9<sup>12</sup>**  
**ILS or LOC Rwy 27<sup>13</sup>**  
**RNAV (GPS) Rwy 9**  
**RNAV (GPS) Rwy 27**  
**VOR Rwy 9**

NA when local weather not available.  
<sup>1</sup>NA when control tower closed.  
<sup>2</sup>LOC, Category D, 700-2.  
<sup>3</sup>ILS, Categories A, B, C, D, 700-2.

**HOT SPRINGS, VA**

INGALLS FIELD (HSP).....**RNAV (GPS) Rwy 7<sup>1</sup>**  
**RNAV (GPS) Rwy 25<sup>2</sup>**

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

**JONESVILLE, VA**

LEE COUNTY (0VG).....**RNAV (GPS) Rwy 7<sup>1</sup>**  
**RNAV (GPS) Rwy 25<sup>2</sup>**

NA when local weather not available.  
<sup>1</sup>Category C, 1200-3.  
<sup>2</sup>Categories A, B, 900-2; Category C, 1200-3.

**KENBRIDGE, VA**

LUNENBURG  
COUNTY (W31).....**RNAV (GPS)-A**  
**RNAV (GPS)-B<sup>1</sup>**

NA when local weather not available.  
<sup>1</sup>Categories A, B, 1100-3.

**LAWRENCEVILLE, VA**

LAWRENCEVILLE/BRUNSWICK  
MUNI (LVL).....**RNAV (GPS)-A**  
**RNAV (GPS)-B**

NA when local weather not available.  
Categories A, B, 1100-3.

**LEESBURG, VA**

LEESBURG  
EXECUTIVE (JYO).....**RNAV (GPS) Rwy 17**  
NA when local weather not available.

**LEONARDTOWN, MD**

ST MARY'S COUNTY  
RGNL (2W6).....**RNAV (GPS) Rwy 11<sup>1</sup>**  
**RNAV (GPS) Rwy 29<sup>12</sup>**

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

**LOUISA, VA**

LOUISA COUNTY/  
FREEMAN FIELD (LKU).....**RNAV (GPS) Rwy 9**  
**RNAV (GPS) Rwy 27**

NA when local weather not available.

NAME ALTERNATE MINIMUMS

**LURAY, VA**

LURAY CAVERNS (LUA).....**NDB-A<sup>1</sup>**  
**RNAV (GPS) Rwy 4<sup>2</sup>**  
**RNAV (GPS) Rwy 23<sup>3</sup>**  
**VOR/DME-B<sup>4</sup>**

NA when local weather not available.  
<sup>1</sup>Categories A, B, 1500-2, Category C, 1500-3.  
<sup>2</sup>Categories A, B, 1400-2, Category C, 1400-3.  
<sup>3</sup>Categories A, B, 1000-2, Category C, 1000-2¾.  
<sup>4</sup>Categories A, B, 1300-2, Category C, 1300-3.

**LYNCHBURG, VA**

LYNCHBURG RGNL/PRESTON GLENN  
FIELD (LYH).....**ILS or LOC Rwy 4<sup>1</sup>**  
**RNAV (GPS) Rwy 4<sup>2</sup>**  
**RNAV (GPS) Rwy 17<sup>3</sup>**  
**RNAV (GPS) Rwy 22<sup>4</sup>**  
**RNAV (GPS) Rwy 35<sup>3</sup>**  
**VOR Rwy 22<sup>5</sup>**

<sup>1</sup>LOC, Category B, 900-2, Category C, 900-2½,  
Category D, 900-2¾.  
<sup>2</sup>Category B, 900-2; Category C, 900-2½;  
Category D, 900-2¾.  
<sup>3</sup>Category B, 900-2.  
<sup>4</sup>Categories A, B, 1100-2; Categories C, D, 1100-3.  
<sup>5</sup>Categories A, B, 900-2; Category C, 900-2½,  
Category D, 900-2¾.

**MARION/WYTHEVILLE, VA**

MOUNTAIN  
EMPIRE (MKJ).....**RNAV (GPS) Rwy 26**  
Category C, 1900-3.

**MARTINSVILLE, VA**

BLUE RIDGE (MTV).....**RNAV (GPS) Rwy 12**  
**RNAV (GPS) Rwy 30<sup>1</sup>**  
NA when local weather not available.  
<sup>1</sup>Category D, 800-2¼.

**MELFA, VA**

ACCOMACK  
COUNTY (MFV).....**LOC Rwy 3**  
NA when airport operations closed.

**NEW MARKET, VA**

NEW MARKET (8W2).....**RNAV (GPS)-A**  
**RNAV (GPS)-B**  
Categories A, B, 1100-3.  
NA when local weather not available.

18 JUL 2019 to 15 AUG 2019

18 JUL 2019 to 15 AUG 2019

NAME ALTERNATE MINIMUMS

**NEWPORT NEWS, VA**

NEWPORT NEWS/WILLIAMSBURG

INTL (PHF).....**ILS or LOC Rwy 7<sup>12</sup>**  
**ILS or LOC Rwy 25<sup>3</sup>**  
**LOC Rwy 20<sup>14</sup>**  
**RNAV (GPS) Rwy 2<sup>4</sup>**  
**RNAV (GPS) Rwy 7<sup>4</sup>**  
**RNAV (GPS) Rwy 20<sup>4</sup>**

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

LOC, Category D, 800-2½.

<sup>3</sup>LOC, Category D, 800-2½.<sup>4</sup>Category D, 800-2½.**NORFOLK, VA**

CHESAPEAKE

RGNL (CPK).....**ILS or LOC Rwy 5**  
**RNAV (GPS) Rwy 5**  
**RNAV (GPS) Rwy 23**

NA when local weather not available.

NORFOLK

INTL (ORF).....**ILS or LOC Rwy 5<sup>1</sup>**  
**ILS or LOC Rwy 23<sup>2</sup>**  
**RNAV (GPS) Rwy 14<sup>3</sup>**  
**RNAV (GPS) Z Rwy 5<sup>3</sup>**  
**RNAV (GPS) Z Rwy 23<sup>3</sup>**  
**VOR Rwy 14<sup>3</sup>**

<sup>1</sup>LOC, Category D, 900-2¾.<sup>2</sup>ILS, LOC, Category D, 900-2¾.<sup>3</sup>Category D, 900-2¾.**OAKLAND, MD**

GARRETT

COUNTY (2G4).....**VOR Rwy 9**  
 NA when local weather not available.

**OCEAN CITY, MD**

OCEAN CITY

MUNI (OXB).....**RNAV (GPS) Rwy 2<sup>1</sup>**  
**RNAV (GPS) Rwy 32<sup>12</sup>**  
**VOR-A<sup>3</sup>**

<sup>1</sup>NA when local weather not available.<sup>2</sup>Category D, 800-2½.<sup>3</sup>Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.**ORANGE, VA**

ORANGE

COUNTY (OMH).....**RNAV (GPS) Rwy 8<sup>1</sup>**  
**RNAV (GPS) Rwy 26<sup>1</sup>**  
**VOR/DME-A<sup>2</sup>**

NA when local weather not available.

<sup>1</sup>Categories A, B, 900-2.<sup>2</sup>Categories A, B, 1600-2.

NAME ALTERNATE MINIMUMS

**PETERSBURG, VA**

DINWIDDIE

COUNTY (PTB).....**LOC Rwy 5<sup>1</sup>**  
**RNAV (GPS) Rwy 5**  
**RNAV (GPS) Rwy 23**  
**VOR Rwy 23**

NA when local weather not available.

<sup>1</sup>NA when arpt unattended.**PHILLIPS AAF (KAPG)**

ABERDEEN PROVING

GROUND, MD.....**NDB Rwy 22**  
**VOR Rwy 22**  
**VOR/DME Rwy 22**  
**RNAV (GPS) Rwy 22**

NA when control tower closed.

**RICHLANDS, VA**

TAZEWELL

COUNTY (JFZ).....**LOC/DME Rwy 25**  
**RNAV (GPS) Rwy 7**  
**RNAV (GPS) Rwy 25**

NA when local weather not available.

**RICHMOND, VA**

RICHMOND INTL (RIC).....**ILS or LOC Rwy 16**  
 LOC, Categories C, D, 800-2½.

**RICHMOND/ASHLAND, VA**

HANOVER

COUNTY MUNI (OFF).....**RNAV (GPS) Rwy 16<sup>1</sup>**  
**RNAV (GPS) Rwy 34<sup>12</sup>**  
**VOR Rwy 16<sup>1</sup>**

<sup>1</sup>Category D, 900-2¾.<sup>2</sup>NA when local weather not available.**ROANOKE, VA**

ROANOKE-BLACKSBURG RGNL/WOODRUM

FIELD (ROA).....**ILS or LOC Rwy 34<sup>1</sup>**  
**LDA Y Rwy 6<sup>2</sup>**  
**RNAV (GPS) Rwy 6<sup>3</sup>**  
**RNAV (GPS) Rwy 24<sup>4</sup>**  
**RNAV (GPS) Rwy 34<sup>5</sup>**  
**VOR/DME-A<sup>6</sup>**

<sup>1</sup>ILS, LOC, Categories A, B, 900-2; Category C, 1300-3; Category D, 1700-3.<sup>2</sup>Categories A, B, 1600-2; Category C, 1600-3; Category D, 1700-3.<sup>3</sup>Categories A, B, 900-2; Category C, 1300-3; Category D, 1700-3.<sup>4</sup>Categories A, B, 1900-2; Categories C, D, 1900-3.<sup>5</sup>Categories A, B, 1200-2; Category C, 1300-3; Category D, 1700-3.<sup>6</sup>Category C, 1300-3; Category D, 1700-3.

19171

NAME ALTERNATE MINIMUMS

**SALISBURY, MD**

SALISBURY-OCEAN CITY  
WICOMICO RGNL (SBY).....**ILS or LOC Rwy 32**  
**RNAV (GPS) Rwy 5**  
**RNAV (GPS) Rwy 14**  
**RNAV (GPS) Rwy 23**  
**RNAV (GPS) Rwy 32**  
**VOR Rwy 5**

NA when local weather not available.

**SOUTH BOSTON, VA**

WILLIAM M TUCK (W78).....**RNAV (GPS) Rwy 1**  
**VOR-A<sup>1</sup>**

NA when local weather not available.

<sup>1</sup>Category C 800-2¼.**SOUTH HILL, VA**

MECKLENBURG-  
BRUNSWICK RGNL (AVC).....**LOC Rwy 1**  
NA when AVC FBO closed.

**STAUNTON-WAYNESBORO-****HARRISONBURG, VA**

SHENANDOAH VALLEY  
RGNL (SHD).....**ILS or LOC Rwy 5<sup>1</sup>**  
**NDB Rwy 5**  
**RNAV (GPS) Rwy 5**  
**RNAV (GPS) Rwy 23**

NA when local weather not available.

<sup>1</sup>ILS, Category D, 700-2.**STEVENSVILLE, MD**

BAY BRIDGE (W29).....**RNAV (GPS) Rwy 29**  
NA when local weather not available.

**SUFFOLK, VA**

SUFFOLK  
EXECUTIVE (SFQ).....**RNAV (GPS) Rwy 7**  
**RNAV (GPS) Rwy 22**  
**RNAV (GPS) Rwy 25**

NA when local weather not available.

**WAKEFIELD, VA**

WAKEFIELD  
MUNI (AKQ).....**RNAV (GPS) Rwy 20**  
Categories A, B, C, D, 1100-3.

NAME ALTERNATE MINIMUMS

**WALLOPS ISLAND, VA**

WALLOPS FLIGHT  
FACILITY (WAL).....**RNAV (GPS) Rwy 4<sup>2</sup>**  
**RNAV (GPS) Rwy 10<sup>2</sup>**  
**RNAV (GPS) Rwy 17<sup>2</sup>**  
**RNAV (GPS) Rwy 22<sup>2</sup>**  
**RNAV (GPS) Rwy 28<sup>2</sup>**  
**RNAV (GPS) Rwy 35<sup>2</sup>**  
**VOR/DME or TACAN Rwy 10<sup>1</sup>**  
**VOR or TACAN Rwy 17<sup>2</sup>**

NA when local weather not available.

<sup>1</sup>Categories A, B, 900-2; Category C, 900-2½;

Category D, 900-2¾.

<sup>2</sup>Category D, 900-2¾.**WARRENTON, VA**

WARRENTON-  
FAQUIER (HWY).....**RNAV (GPS) Rwy 15**  
**RNAV (GPS) Rwy 33**  
**VOR Rwy 15<sup>1</sup>**

NA when local weather not available.

<sup>1</sup>Category D 800-2¼.**WASHINGTON, DC**

MANASSAS RGNL/HARRY P DAVIS  
FIELD (HEF).....**ILS or LOC Rwy 16L<sup>1</sup>**  
**RNAV (GPS) Rwy 16L<sup>2</sup>**  
**RNAV (GPS) Rwy 16R<sup>2</sup>**  
**RNAV (GPS) Rwy 34L<sup>2</sup>**  
**RNAV (GPS) Rwy 34R<sup>2</sup>**

NA when local weather not available.

<sup>1</sup>ILS, Category C, 700-2; Category D, 700-2½.

LOC, Category D, 800-2¼.

<sup>2</sup>Category D, 800-2¼.**RONALD REAGAN WASHINGTON**

NATIONAL (DCA).....**ILS or LOC Rwy 1<sup>1</sup>**  
**LDA Y Rwy 19<sup>2</sup>**  
**LDA Z Rwy 19<sup>3</sup>**  
**RNAV (GPS) Rwy 15<sup>4</sup>**  
**RNAV (GPS) RWY 33<sup>4</sup>**

<sup>1</sup>ILS, Categories A, B, 800-2; Category C, 900-2½;

Category D, 900-3; LOC, Category C, 900-2½;

Category D, 900-3.

<sup>2</sup>LDA, Categories A, B, C, D, 1100-3.<sup>3</sup>Category C, 900-2; Category D, 900-3.<sup>4</sup>Category C, 900-2½; Category D, 900-3.

18 JUL 2019 to 15 AUG 2019

18 JUL 2019 to 15 AUG 2019

19171

M5

