

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

ABINGDON, VA

VIRGINIA HIGHLANDS (VJI).....**LOC Rwy 24¹²**
RNAV (GPS) Rwy 6¹³
RNAV (GPS) Rwy 24³

¹NA when local weather not available.

²Categories A, B, 900-2; Category C, 900-2½,
 Category D, 1000-3.

³Category C, 800-2¼; 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 10¹**
ILS or LOC Rwy 15R²
ILS or LOC Rwy 28²
ILS or LOC Rwy 33L²
RNAV (GPS) Y Rwy 10³
RNAV (GPS) Y Rwy 15R³
RNAV (GPS) Y Rwy 28³
RNAV (GPS) Y Rwy 33L³

¹LOC, Category D, 800-2¼.

²ILS, LOC, Category D, 800-2¼.

³Category D, 800-2¼.

MARTIN STATE (MTN).....**LDA Rwy 33¹²**

LOC Rwy 15¹³

RNAV (GPS) Rwy 15²

RNAV (GPS) Rwy 33²

VOR or TACAN Rwy 15⁴

NA when local weather not available.

¹NA when control tower closed.

²Category D, 800-2¼.

³Categories A, B, 900-2; Category C, 900-2½;
 Category D, 900-2¼.

⁴Categories A, B, 900-2; Category C, 900-2¼;
 Category D, 900-3.

BLACKSBURG, VA

VIRGINIA TECH/MONTGOMERY
 EXEC (BCB).....**RNAV (GPS) Rwy 13**
RNAV (GPS) Rwy 31

NA when local weather not available.

Category C, 900-2½.

NAME ALTERNATE MINIMUMS

BROOKNEAL, VA

BROOKNEAL/CAMPBELL
 COUNTY (0V4).....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24

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.

Categories A, B, 1100-3.

CAMBRIDGE, MD

CAMBRIDGE-DORCHESTER
 RGNL (CGE).....**RNAV (GPS) Rwy 34**
RNAV (GPS)-A¹

Category D, 800-2½.

¹NA when local weather not available.

CHARLOTTESVILLE, VA

CHARLOTTESVILLE-
 ALBEMARLE (CHO).....**ILS or LOC Rwy 3²**
RNAV (GPS) Rwy 3³
RNAV (GPS) Y Rwy 21³
RNAV (GPS) Z Rwy 21¹

NA when local weather not available.

¹Categories, A, B, C, D, 1000-4.

²ILS, Categories A, B, 700-2; Category C, 900-2½;
 Category D, 900-2¼. LOC, Category C, 900-2½;
 Category D, 900-2¼.

³Category C, 900-2½; Category D, 900-2¼.

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**
RNAV (GPS)-B

NA when local weather not available.

Categories A, B, 1000-3.

NAME ALTERNATE MINIMUMS

CULPEPER, VA

CULPEPER RGNL (CJR).....LOC Rwy 4¹
NDB Rwy 4¹
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 22²
VOR-A²³

¹NA when FBO closed.
²NA when local weather not available.
³Category D, 800-2 $\frac{1}{2}$.

CUMBERLAND, MD

GREATER CUMBERLAND
RGNL (CBE).....LOC/DME Rwy 23¹⁴
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23³

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

DANVILLE, VA

DANVILLE RGNL (DAN).....ILS or LOC Rwy 2
RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 20
RNAV (GPS) Rwy 31

NA when local weather not available.

DOVER/CHESWOLD, DE

DELAWARE
AIRPARK (33N).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
VOR Rwy 27

NA when local weather not available.
Category C, 800-2 $\frac{1}{4}$; Category D, 800-2 $\frac{1}{2}$.

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
FLD (ESN).....ILS or LOC Rwy 4¹
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 22²

¹ILS, LOC, NA when control tower closed.
²NA when local weather not available.

FARMVILLE, VA

FARMVILLE
RGNL (FVX).....RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21

NA when local weather not available.

NAME ALTERNATE MINIMUMS

FELKER AAF (KFAF)

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

FORT MEADE (ODENTON), MD

TIPTON (FME).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.
Category B, 900-2.

FRANKLIN, VA

FRANKLIN
RGNL (FKN).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27

NA when local weather not available.

FREDERICK, MD

FREDERICK
MUNI (FDK).....ILS or LOC Rwy 23¹²³
RNAV (GPS) Rwy 5¹⁴
RNAV (GPS) Y Rwy 23⁴
RNAV (GPS) Z Rwy 23⁵

¹NA when local weather not available.
²NA when tower closed.
³LOC, Category C, 800-2 $\frac{1}{2}$; Category D, 900-3.
⁴Category D, 800-2 $\frac{1}{2}$.
⁵Category C, 800-2 $\frac{1}{4}$; Category D, 900-2 $\frac{3}{4}$.

FREDERICKSBURG, VA

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

FRONT ROYAL, VA

FRONT ROYAL-WARREN
COUNTY (FRR).....RNAV (GPS)-A
NA when local weather not available.
Categories A, B, 1200-2.

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.

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NAME ALTERNATE MINIMUMS

HAGERSTOWN, MD

HAGERSTOWN RGNL-RICHARD A
HENSON FLD (HGR).....**ILS or LOC Rwy 9¹²**
ILS or LOC Rwy 27¹³
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
VOR Rwy 9

NA when local weather not available.

¹NA when control tower closed.

²LOC, Category D, 700-2.

³ILS, Categories A, B, C, D, 700-2.

HOT SPRINGS, VA

INGALLS FLD (HSP).....**RNAV (GPS) Rwy 7¹**
RNAV (GPS) Rwy 25²

NA when local weather not available.

¹Categories A, B, 1000-2; Category C, 1000-2½,
Category D, 1000-3.

²Category C, 800-2¼; Category D, 800-2½.

JONESVILLE, VA

LEE COUNTY (0VG).....**RNAV (GPS) Rwy 7¹**
RNAV (GPS) Rwy 25²

NA when local weather not available.

¹Category C, 1200-3.

²Categories A, B, 900-2; Category C, 1200-3.

KENBRIDGE, VA

LUNENBURG
COUNTY (W31).....**RNAV (GPS)-A**
RNAV (GPS)-B¹

NA when local weather not available.

¹Categories A, B, 1100-3.

LAWRENCEVILLE, VA

BRUNSWICK COUNTY (LVL).....**RNAV (GPS)-A**
RNAV (GPS)-B

NA when local weather not available.

Categories A, B, 1100-3.

LEESBURG, VA

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

LEONARDTOWN, MD

ST MARYS COUNTY
RGNL (2W6).....**RNAV (GPS) Rwy 11**
RNAV (GPS) Rwy 29¹

Category D, 800-2¼.

¹NA when local weather not available.

LOUISA, VA

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

NA when local weather not available.

NAME ALTERNATE MINIMUMS

LURAY, VA

LURAY CAVERNS (LUA).....**NDB-A¹**
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 22³
VOR/DME-B⁴

NA when local weather not available.

¹Categories A, B, 1500-2, Category C, 1500-3.

²Categories A, B, 1400-2, Category C, 1400-3.

³Categories A, B, 1000-2, Category C, 1000-2½.

⁴Categories A, B, 1300-2, Category C, 1300-3.

LYNCHBURG, VA

LYNCHBURG RGNL/PRESTON GLENN
FIELD (LYH).....**ILS or LOC Rwy 4¹**
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 17³
RNAV (GPS) Rwy 22⁴
RNAV (GPS) Rwy 35⁵
VOR Rwy 22⁵

¹LOC, Category B, 900-2, Category C, 900-2½,
Category D, 900-2¾.

²Category B, 900-2; Category C, 900-2½;
Category D, 900-2¾.

³Category B, 900-2.

⁴Categories A, B, 1100-2; Categories C, D, 1100-3.

⁵Categories 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).....**LOC Rwy 31¹**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

Category D, 900-2¾.

NA when local weather not available.

¹NA when MTV FBO closed.

MELFA, VA

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

MIDDLETOWN, DE

SUMMIT (EVY).....**NDB-A¹**
RNAV (GPS) Y Rwy 35
RNAV (GPS) Z Rwy 35

NA when local weather not available.

¹NA when Wilmington control tower closed.

NEW MARKET, VA

NEW MARKET (8W2).....**RNAV (GPS)-A**
RNAV (GPS)-B

Categories A, B, 1100-3.

NA when local weather not available.

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NEWPORT NEWS, VA

NEWPORT NEWS/WILLIAMSBURG
INTL (PHF).....ILS or LOC Rwy 7¹²³
 ILS or LOC Rwy 25³
 LOC Rwy 20¹⁴
 RNAV (GPS) Rwy 2⁴
 RNAV (GPS) Rwy 7⁴
 RNAV (GPS) Rwy 20⁴

- ¹NA when control tower closed.
- ²NA when local weather not available.
- ³LOC, Category D, 800-2½.
- ⁴Category D, 800-2¼.

NORFOLK, VA

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

NA when local weather not available.

HAMPTON ROADS

EXEC (PVG).....RNAV (GPS) Rwy 10
Category C, 800-2¼.

NORFOLK

INTL (ORF).....ILS or LOC Rwy 5¹
 ILS or LOC Rwy 23¹
 RNAV (GPS) Rwy 14²
 RNAV (GPS) Rwy 32²
 RNAV (GPS) Z Rwy 5²
 RNAV (GPS) Z Rwy 23²
 VOR Rwy 14²
 VOR/DME Rwy 32²

- ¹LOC, Category D, 900-2¾.
- ²Category 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 2¹
 RNAV (GPS) Rwy 32¹²
 VOR-A³

- ¹NA when local weather not available.
- ²Category D, 800-2¼.
- ³Categories A, B, 900-2; Category C, 900-2½;
- Category D, 900-2¾.

ORANGE, VA

ORANGE
COUNTY (OMH).....RNAV (GPS) Rwy 8¹
 RNAV (GPS) Rwy 26¹
 VOR/DME-A²

- NA when local weather not available.
- ¹Categories A, B, 900-2.
- ²Categories A, B, 1600-2.

NAME ALTERNATE MINIMUMS

PETERSBURG, VA

DINWIDDIE
COUNTY (PTB).....LOC Rwy 5¹
 RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 23
 VOR Rwy 23

- NA when local weather not available.
- ¹NA when arpt unattended.

PHILLIPS AAF (KAPG)

ABERDEEN PROVING
GROUND, MD.....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 (OFP).....LOC Rwy 16¹
 RNAV (GPS) Rwy 16
 RNAV (GPS) Rwy 34¹
 VOR Rwy 16

- Category D, 900-2¾.
- ¹NA when local weather not available.

ROANOKE, VA

ROANOKE-BLACKSBURG RGNL/WOODRUM
FLD (ROA).....ILS or LOC Rwy 34¹
 LDA Y Rwy 6²
 RNAV (GPS) Y Rwy 6³
 RNAV (GPS) Y Rwy 24⁴
 RNAV (GPS) Y Rwy 34⁵
 RNAV (RNP) Z Rwy 34⁶
 VOR/DME-A⁷

- ¹ILS, LOC, Categories A, B, 900-2;
- Category C, 1300-3; Category D, 1700-3.
- ²Categories A, B, 1600-2; Category C, 1600-3;
- Category D, 1700-3.
- ³Categories A, B, 900-2; Category C, 1300-3;
- Category D, 1700-3.
- ⁴Categories A, B, 1900-2;
- Categories C, D, 1900-3.
- ⁵Categories A, B, C 1500-5; Category D, 1700-5.
- ⁶Categories A, B, C, D 1000-4.
- ⁷Category C, 1300-3; Category D, 1700-3.

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-A¹

NA when local weather not available.

¹Category 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 5¹**
NDB Rwy 5²
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23²

NA when local weather not available.

¹LOC, Category D, 900-2¾.

²Category D, 900-2¾.

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 4²**
RNAV (GPS) Rwy 10²
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 22²
RNAV (GPS) Rwy 28²
RNAV (GPS) Rwy 35²
VOR/DME or TACAN Rwy 10¹
VOR or TACAN Rwy 17²

NA when local weather not available.

¹Categories A, B, 900-2; Category C, 900-2½;

Category D, 900-2¾.

²Category D, 900-2¾.

WARRENTON, VA

WARRENTON-
FAQUIER (HWY).....**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
VOR Rwy 15¹

NA when local weather not available.

¹Category D 800-2¼.

WASHINGTON, DC

MANASSAS RGNL/HARRY P DAVIS
FLD (HEF).....**ILS or LOC Rwy 16L¹**
RNAV (GPS) Rwy 16L²
RNAV (GPS) Rwy 16R²
RNAV (GPS) Rwy 34L²
RNAV (GPS) Rwy 34R²

NA when local weather not available.

¹ILS, Category C, 700-2; Category D, 700-2¼.

¹LOC, Category D, 800-2¼.

²Category D, 800-2¼.

RONALD REAGAN WASHINGTON

NTL (DCA).....**ILS or LOC Rwy 1¹**
LDA Y Rwy 19²
LDA Z Rwy 19³
RNAV (GPS) Rwy 15⁴
RNAV (GPS) RWY 33⁴

¹ILS, Categories A, B, 800-2; Category C, 900-2½;
Category D, 900-3; LOC, Category C, 900-2½;
Category D, 900-3.

²LDA, Categories A, B, C, D, 1100-3.

³Category C, 900-2; Category D, 900-3.

⁴Category C, 900-2½; Category D, 900-3.

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NAME ALTERNATE MINIMUMS

WASHINGTON, DC (CON'T)

WASHINGTON DULLES
 INTL (IAD).....**ILS or LOC Rwy 1R¹**
 ILS or LOC Rwy 19L²
 ILS or LOC/DME Rwy 1C¹
 ILS or LOC/DME Rwy 1L¹
 ILS or LOC/DME Rwy 12¹
 ILS or LOC/DME Rwy 19C¹
 ILS or LOC/DME Rwy 19R¹
 RNAV (GPS) Rwy 1L³
 RNAV (GPS) Rwy 12³
 RNAV (GPS) Rwy 19R³
 RNAV (GPS) Y Rwy 1C³
 RNAV (GPS) Y Rwy 1R³
 RNAV (GPS) Y Rwy 19C³
 RNAV (GPS) Y Rwy 19L³
 VOR/DME Rwy 12³

¹LOC, Category D, 800-2½.
²ILS, Categories A, B, C, D, 700-2.
³Category D, 800-2½.

WEST POINT, VA

MIDDLE PENINSULA
 RGNL (FYJ).....**RNAV (GPS)-B**
 RNAV (GPS) Rwy 10
 VOR-A

NA when local weather not available.

WESTMINSTER, MD

CARROLL COUNTY RGNL/JACK B POAGE
 FLD (DMW).....**RNAV (GPS) Rwy 34**
 NA when local weather not available.

WILLIAMSBURG, VA

WILLIAMSBURG-
 JAMESTOWN (JGG).....**RNAV (GPS)-C**
 VOR-B

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

WILMINGTON, DE

NEW CASTLE (ILG).....**ILS or LOC Rwy 1²**
 RNAV (GPS) Rwy 1³
 RNAV (GPS) Rwy 9³
 RNAV (GPS) Rwy 19³
 RNAV (GPS) Rwy 27³
 VOR Rwy 9³
 VOR Rwy 27³

NA when local weather not available.
¹NA when control tower closed.
²LOC, Category D, 800-2¼.
³Category D, 800-2¼.

WINCHESTER, VA

WINCHESTER
 RGNL (OKV).....**RNAV (GPS) Rwy 14¹**
 RNAV (GPS) Rwy 32
 VOR/DME-A

NA when local weather not available.
¹Category D, 800-2½.

NAME ALTERNATE MINIMUMS

WISE, VA

LONESOME
 PINE (LNP).....**RNAV (GPS) Rwy 6**
 RNAV (GPS) Rwy 24

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

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