

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 24¹²
 RNAV (GPS) Rwy 6¹³
 RNAV (GPS) Rwy 24⁴

- 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, 800-2½.
- ⁴Category 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 15¹²³
 RNAV (GPS) Rwy 15²
 RNAV (GPS) Rwy 33²
 VOR/DME or TACAN Z Rwy 15³

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

NAME ALTERNATE MINIMUMS

BLACKSBURG, VA
 VIRGINIA TECH/MONTGOMERY
 EXECUTIVE (BCB).....RNAV (GPS) Rwy 12¹
 RNAV (GPS) Rwy 30
 NA when local weather not available.
¹Category C, 900-2½.

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.

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 3²
 RNAV (GPS) Rwy 3³
 RNAV (GPS) Y Rwy 21⁴
 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, 900-2¾. LOC, Category C, 900-2½; Category D, 900-2¾.
- ³Category C, 900-2½; Category D, 900-2¾.
- ⁴Category D, 900-2¾.

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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 4¹
NDB Rwy 4¹
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 22²
VOR-A²

¹NA when FBO closed.
²NA when local weather not available.

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
VOR Rwy 20¹

NA when local weather not available.
¹Categories 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.

NAME ALTERNATE MINIMUMS

EASTON, MD

EASTON/NEWMAM
FIELD (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).....NDB Rwy 3¹
RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21
NA when local weather not available.
¹Categories 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 5¹²
RNAV (GPS) Y Rwy 23¹
RNAV (GPS) Z Rwy 23³

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

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.

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NAME ALTERNATE MINIMUMS

GEORGETOWN, DE

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

NA when local weather not available.

HAGERSTOWN, MD

HAGERSTOWN RGNL-RICHARD A.
HENSON FIELD (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 FIELD (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 (OVG).....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

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.

NAME ALTERNATE MINIMUMS

LEONARDTOWN, MD

ST MARY'S COUNTY
RGNL (2W6).....RNAV (GPS) Rwy 11¹
RNAV (GPS) Rwy 29¹²

¹Category D, 800-2¼.

²NA 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.

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 35³
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).....RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30¹

NA when local weather not available.

¹Category D, 800-2¼.

MELFA, VA

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

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NEW MARKET, VANEW MARKET (8W2).....RNAV (GPS)-A
RNAV (GPS)-BCategories A, B, 1100-3.
NA when local weather not available.**NEWPORT NEWS, VA**NEWPORT NEWS/WILLIAMSBURG
INTL (PHF).....ILS or LOC Rwy 7¹²
ILS or LOC Rwy 25¹²
LOC Rwy 20¹³
RNAV (GPS) Rwy 2³
RNAV (GPS) Rwy 7³
RNAV (GPS) Rwy 20³
RNAV (GPS) Rwy 25³¹NA when control tower closed.
²ILS, Category C, 700-2; Category D, 800-2¼;
LOC, Category D, 800-2¼.
³Category D, 800-2¼.**NORFOLK, VA**CHESAPEAKE
RGNL (CPK).....ILS or LOC Rwy 5
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
VOR/DME Rwy 23

NA when local weather not available.

NORFOLKINTL (ORF).....ILS or LOC Rwy 5¹
ILS or LOC Rwy 22²
RNAV (GPS) Rwy 14³
RNAV (GPS) Z Rwy 5³
RNAV (GPS) Z Rwy 23³
VOR Rwy 14³¹LOC, Category D, 900-2¼.
²ILS, LOC, Category D, 900-2¼.
³Category D, 900-2¼.**OCEAN CITY, MD**OCEAN CITY
MUNI (OXB).....RNAV (GPS) Rwy 2¹
RNAV (GPS) Rwy 32¹²
VOR-A³¹NA when local weather not available.
²Category D, 800-2¼.
³Categories A, B, 900-2; Category C, 900-2½;
Category D, 900-2¼.**ORANGE, VA**ORANGE
COUNTY (OMH).....RNAV (GPS) Rwy 8¹
RNAV (GPS) Rwy 26¹
VOR/DME-A²NA when local weather not available.
¹Categories A, B, 900-2.
²Categories A, B, 1600-2.

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PETERSBURG, VADINWIDDIE
COUNTY (PTB).....LOC Rwy 5¹
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
VOR Rwy 23NA when local weather not available.
¹NA 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, VATAZEWELL
COUNTY (JFZ).....LOC/DME Rwy 25
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25

NA when local weather not available.

RICHMOND, VARICHMOND INTL (RIC).....ILS or LOC Rwy 16
LOC, Categories C, D, 800-2½.**RICHMOND/ASHLAND, VA**HANOVER
COUNTY MUNI (OFF).....RNAV (GPS) Rwy 16¹
RNAV (GPS) Rwy 34¹²
VOR Rwy 16¹¹Category D, 900-2¼.
²NA when local weather not available.**ROANOKE, VA**ROANOKE-BLACKSBURG RGNL/WOODRUM
FIELD (ROA).....ILS or LOC Rwy 34¹
LDA Y Rwy 6²
RNAV (GPS) Rwy 6³
RNAV (GPS) Rwy 24⁴
RNAV (GPS) Rwy 34⁵
VOR/DME-A⁶¹ILS, 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, 1200-2; Category C, 1300-3; Category D, 1700-3.
⁶Category 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 5
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

NA when local weather not available.

¹ILS, Category D, 700-2.

STEVENSVILLE, MD

BAY BRIDGE (W29).....**RNAV (GPS) Rwy 11**
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
FIELD (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, 700-2½.

LOC, Category D, 800-2¼.

²Category D, 800-2¼.

RONALD REAGAN WASHINGTON

NATIONAL (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/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
 ILS or LOC Rwy 1R¹
 ILS or LOC Rwy 19L¹
 RNAV (GPS) Y Rwy 19R²

¹ILS, Categories A, B, C, D, 700-2.
²Category D, 800-2¼.

WEST POINT, VA

MIDDLE PENINSULA
 RGNL (FYJ).....RNAV (GPS) Rwy 10
 RNAV (GPS) Rwy 28
 VOR-A

NA when local weather not available.

WESTMINSTER, MD

CARROLL COUNTY RGNL/JACK B POAGE
 FIELD (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 1¹
 RNAV (GPS) Rwy 1
 RNAV (GPS) Rwy 9
 RNAV (GPS) Rwy 19
 RNAV (GPS) Rwy 27
 VOR Rwy 9¹
 VOR Rwy 27¹²

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

NAME ALTERNATE MINIMUMS

WISE, VA

LONESOME
 PINE (LNP).....LOC/DME Rwy 24¹²
 RNAV (GPS) Rwy 6¹²
 RNAV (GPS) Rwy 24³

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

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