

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, 900-2¼.

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) 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 17⁴
 RNAV (GPS) Rwy 22²
 RNAV (GPS) Rwy 35⁴
 VOR/DME Rwy 22³

¹ILS, Category A, 800-2; Category B, 900-2, Category C, 900-2½, Category D, 900-2¼. LOC, Category B, 900-2, Category C, 900-2½, Category D, 900-2¼.²Category B, 900-2; Category C, 900-2½; Category D, 900-2¼.³Categories A, B, 900-2; Category C, 900-2½, Category D, 900-2¼.⁴Category B, 900-2.**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.

NAME ALTERNATE MINIMUMS

MELFA, VA

ACCOMACK

COUNTY (MFV).....**LOC Rwy 3¹**

NA when airport operations closed.

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

Categories 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 25¹³****LOC Rwy 20¹³****RNAV (GPS) Rwy 2³****RNAV (GPS) Rwy 7³****RNAV (GPS) Rwy 20³****RNAV (GPS) Rwy 25³**¹NA when control tower closed.²ILS, Category C, 700-2; Category D, 800-2½;

LOC, Category D, 800-2½.

³Category D, 800-2½.**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.

NORFOLK

INTL (ORF).....**ILS or LOC Rwy 5¹****ILS or LOC Rwy 23¹****RNAV (GPS) Rwy 14²****RNAV (GPS) Z Rwy 5²****RNAV (GPS) Z Rwy 23²****VOR Rwy 14²**¹ILS, LOC, Category D, 900-2¾.²Category D, 900-2¾.**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.

NAME ALTERNATE MINIMUMS

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.**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.....**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, VARICHMOND INTL (RIC).....**ILS or LOC Rwy 16**

LOC, Categories C, D, 800-2½.

RICHMOND/ASHLAND, VA

HANOVER

COUNTY MUNI (OFP).....**RNAV (GPS) Rwy 16****RNAV (GPS) Rwy 34²****VOR Rwy 16¹**

NA when local weather not available.

¹Category C, 800-2¼, Category D, 800-2½.²Category D, 900-2¾.

NAME ALTERNATE MINIMUMS

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-A⁶

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, 1200-2; Category C, 1300-3; Category D, 1700-3.

⁶Category C, 1300-3; Category D, 1700-3.

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.

NAME ALTERNATE MINIMUMS

SUFFOLK, VA

SUFFOLK
EXECUTIVE (SFQ).....**RNAV (GPS) Rwy 4**
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.

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, 900-2¼; 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 16L¹²**
RNAV (GPS) Rwy 16L¹³
RNAV (GPS) Rwy 16R¹³
RNAV (GPS) Rwy 34L¹³
RNAV (GPS) Rwy 34R³

¹NA when local weather not available

²ILS, Category C, 700-2; Category D, 700-2¼.
LOC, Category D, 800-2¼.

³Category D, 800-2¼.

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NAME ALTERNATE MINIMUMS

WASHINGTON, DC (CON'T)

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.

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.

NAME ALTERNATE MINIMUMS

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.

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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