

A IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability. **△**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 **△**NA designation are not listed in this section. **△** 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. A procedure is not authorized for alternate flight planning purposes when local weather is not available.

MILITARY USERS NOTE: For IFR alternate airport and minima planning, refer to appropriate service directives.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	600-2	800-2
△ 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	

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

ABINGDON, VA

VIRGINIA HIGHLANDS (VJI).....**LOC Rwy 24¹**
RNAV (GPS) Rwy 6²
RNAV (GPS) Rwy 24²

NA when local weather not available.
¹Cat A, B 900-2, Cat C 900-2½, Cat D 1000-3.
²Cat C 800-2¼, Cat D 1000-3.

BALTIMORE, MD

BALTIMORE-WASHINGTON INTL THURGOOD MARSHALL (BWI).....**ILS or LOC Rwy 10¹**
ILS or LOC Rwy 15R¹
ILS or LOC Rwy 28¹
ILS or LOC Rwy 33L¹
RNAV (GPS) Y Rwy 10²
RNAV (GPS) Y Rwy 15R²
RNAV (GPS) Y Rwy 28²
RNAV (GPS) Y Rwy 33L²

¹LOC Cat D 800-2¼.
²Cat D 800-2¼.

MARTIN STATE (MTN).....**ILS or LOC Rwy 33¹²**
LOC Rwy 15¹³
RNAV (GPS) Rwy 15⁴
RNAV (GPS) Rwy 33⁴
VOR or TACAN Rwy 15⁵

NA when local weather not available.
¹NA when control tower closed.
²LOC Cat D 800-2¼.
³Cat A, B 900-2, Cat C 900-2½, Cat D 900-2¼.
⁴Cat D 800-2¼.
⁵Cat A, B 900-2, Cat C 900-2¼, Cat D 900-3.

NAME ALTERNATE MINIMUMS

BLACKSBURG, VA

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

NA when local weather not available.
 Cat C 900-2½.

BLACKSTONE, VA

ALLAN C PERKINSON/BLACKSTONE AAF (BKT).....**NBD-A¹**
RNAV (GPS) Rwy 24
RNAV (GPS) Rwy 4

NA when local weather not available.
¹Cat A, B, C 800-3.

BRIDGEWATER, VA

BRIDGEWATER AIR PARK (VBW).....**RNAV (GPS) Rwy 33**
 NA when local weather not available.

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.
 Cat A, B 1100-3.

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NAME ALTERNATE MINIMUMS

CAMBRIDGE, MDCAMBRIDGE-DORCHESTER
RGNL (CGE).....RNAV (GPS) Rwy 34
RNAV (GPS)-ACat D 800-2½.
NA when local weather not available.**CHARLOTTESVILLE, VA**CHARLOTTESVILLE-
ALBEMARLE (CHO).....ILS or LOC Rwy 3¹
RNAV (GPS) Rwy 3²
RNAV (GPS) Y Rwy 21²
RNAV (GPS) Z Rwy 21³NA when local weather not available.
¹LOC Cat C 900-2½, Cat D 900-2¾.
²Cat C 900-2½, Cat D 900-2¾.
³Cat A, B, C, D 1000-4.**CHASE CITY, VA**CHASE CITY MUNI (CXE)....RNAV (GPS) Rwy 18¹
RNAV (GPS) Rwy 36²NA when local weather not available.
¹Cat A, B 1100-3.
²Cat A, B 1000-3.**CHURCHVILLE, MD**HARFORD COUNTY (0W3)....RNAV (GPS) Rwy 19
NA when local weather not available.**CLARKSVILLE, VA**LAKE COUNTRY
RGNL (W63).....RNAV (GPS) Rwy 4
NA when local weather not available.**COLLEGE PARK, MD**COLLEGE PARK (CGS).....RNAV (GPS)-A
RNAV (GPS) Rwy 15

NA when local weather not available.

CREWE, VACREWE MUNI (W81).....RNAV (GPS)-A
RNAV (GPS)-BNA when local weather not available.
Cat A, B 1000-3.**CULPEPER, VA**CULPEPER RGNL (CJR).....RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
LOC Rwy 4
VOR-A¹NA when local weather not available.
¹Cat D 800-2½.

NAME ALTERNATE MINIMUMS

CUMBERLAND, MDGREATER CUMBERLAND
RGNL (CBE).....RNAV (GPS) Rwy 5¹
RNAV (GPS) Rwy 23²

NA when local weather not available.

¹Cat A 1100-2, Cat B 1300-2.²Cat A 900-2, Cat B 1300-2.**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, DEDELAWARE
AIRPARK (33N).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
VOR Rwy 27

NA when local weather not available.

Cat C 800-2¼, Cat D 800-2½.

DUBLIN, VANEW RIVER VALLEY (PSK)....RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24

NA when local weather not available.

Cat D 800-2¼.

EASTON, MDEASTON/NEWMAM
FLD (ESN).....ILS or LOC Rwy 4¹
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 22²¹ILS, LOC NA when control tower closed.²NA when local weather not available.**EMPORIA, VA**EMPORIA-GREENSVILLE
RGNL (EMV).....LOC Rwy 34

NA when control tower closed.

NA when FBO closed.

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

NA when local weather not available.

FELKER AAF (KFAF)FORT EUSTIS, VA.....RNAV (GPS) Rwy 14
COPTER RNAV (GPS) Rwy 14

NA when control tower closed.

FORT MEADE (ODENTON), MDFORD MEADE
EXEC (FME).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.

Cat B 900-2.

NAME ALTERNATE MINIMUMS

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 5¹
RNAV (GPS) Y Rwy 23⁴
RNAV (GPS) Z Rwy 23⁵

¹NA when local weather not available.

²NA when tower closed.

³LOC Cat C 800-2½, Cat D 900-3.

⁴Cat D 800-2½.

⁵Cat C 800-2¼, Cat D 900-2¾.

FREDERICKSBURG, VA

SHANNON (EZF).....RNAV (GPS) Rwy 24

Cat 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.

Cat 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.

Cat D 1000-3.

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 FLD (HGR).....ILS or LOC Rwy 9¹
ILS or LOC Rwy 27¹
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
VOR Rwy 9

NA when local weather not available.

¹NA when control tower closed.

NAME ALTERNATE MINIMUMS

HOT SPRINGS, VA

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

NA when local weather not available.

¹Cat A, B 1000-2, Cat C 1000-2½, Cat D 1000-3.

²Cat C 800-2¼, Cat D 800-2½.

JONESVILLE, VA

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

NA when local weather not available.

¹Cat C 1200-3.

²Cat A, B 900-2, Cat C 1200-3.

KENBRIDGE, VA

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

NA when local weather not available.

¹Cat A, B 1100-3.

LAWRENCEVILLE, VA

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

NA when local weather not available.

Cat A, B 1100-3.

LEESBURG, VA

LEESBURG EXEC (JYO).....RNAV (GPS) Rwy 17
NA when local weather not available.
Cat D 1000-3.

LOUISA, VA

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

NA when local weather not available.

LURAY, VA

LURAY CAVERNS (LUA).....RNAV (GPS) Rwy 4¹
RNAV (GPS) Rwy 22²
VOR/DME-B³

NA when local weather not available.

¹Cat A, B 1400-2, Cat C 1400-3.

²Cat A, B 1000-2, Cat C 1000-2½.

³Cat A, B 1300-2, Cat C 1300-3.

LYNCHBURG, VA

LYNCHBURG RGNL/PRESTON GLENN
FLD (LYH).....ILS or LOC Rwy 4¹
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 17³
RNAV (GPS) Rwy 22⁴
RNAV (GPS) Rwy 35³

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

²Cat B 900-2, Cat C 900-2½, Cat D 900-2¾.

³Cat B 900-2.

⁴Cat A, B 1100-2, Cat C, D 1100-3.

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NAME ALTERNATE MINIMUMS

MARION/WYTHEVILLE, VA
MOUNTAIN EMPIRE (MKJ)...RNAV (GPS) Rwy 26
Cat C 1900-3.

MARTINSVILLE, VA
BLUE RIDGE (MTV).....LOC Rwy 31¹
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31

Cat D 900-2¼.
NA when local weather not available.
¹NA when MTV FBO closed.

MELFA, VA
ACCOMACK COUNTY (MFV).....LOC Rwy 3
RNAV (GPS) Rwy 21
NA when local weather not available.

MIDDLETOWN, DE
SUMMIT (EVY).....RNAV (GPS) Rwy 17
RNAV (GPS) Y Rwy 35
RNAV (GPS) Z Rwy 35
NA when local weather not available.

NEW MARKET, VA
NEW MARKET (8W2).....RNAV (GPS)-A
RNAV (GPS)-B
Cat 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 25³

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

NORFOLK, VA
CHESAPEAKE RGNL (CPK)...ILS or LOC Rwy 5¹
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
NA when local weather not available.
¹NA when FBO closed.

HAMPTON ROADS
EXEC (PVG).....RNAV (GPS) Rwy 10
Cat C 800-2¼.

NAME ALTERNATE MINIMUMS

NORFOLK, VA (CON'T)
NORFOLK INTL (ORF).....ILS or LOC Rwy 5¹
ILS or LOC Rwy 23¹
RNAV (GPS) Z Rwy 5²
RNAV (GPS) Z Rwy 23²

¹LOC Cat D 900-2¼.
²Cat D 900-2¼.

OAKLAND, MD
GARRETT COUNTY (2G4).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
NA when local weather not available.

OCEAN CITY, MD
OCEAN CITY MUNI (OXB).....LOC Rwy 32¹²
RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32

NA when local weather not available.
¹Cat D 800-2¼.
²NA when FBO closed.

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

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

PETERSBURG, VA
TRI CITIES EXEC/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.

QUINTON, VA
NEW KENT
COUNTY (W96).....RNAV (GPS) Rwy 11
RNAV (GPS) Rwy 29
NA when local weather not available.

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 EXEC/CHESTERFIELD
COUNTY (FCI).....ILS or LOC Rwy 33¹
RNAV (GPS) Rwy 33²
NA when local weather not available.
¹LOC Cat D 800-2¼.
²Cat D 800-2¼.

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NAME ALTERNATE MINIMUMS

RICHMOND, VA (CON'T)

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

RICHMOND/ASHLAND, VA

HANOVER COUNTY MUNI (OFF).....LOC Rwy 16¹
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34¹
VOR Rwy 16

Cat 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

¹ILS Cat A, B, C, D 900-4; LOC Cat A, B 1000-2,
Cat C 1300-3, Cat D 1700-3.

²LDA/GS Cat A, B 800-2, Cat C 1300-3, Cat D
1700-3; LDA Cat C 1300-3, Cat D 1700-3.

³Cat A, B 900-2, Cat C 1300-3, Cat D 1700-3.

⁴Cat A, B 1900-2, Cat C, D 1900-3.

⁵Cat A, B, C 1500-5, Cat D 1700-5.

⁶Cat A, B, C, D 1000-4.

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

NA when local weather not available.

SALUDA, VA

HUMMEL FLD (W75).....RNAV (GPS) Rwy 1
NA when local weather not available.
Cat A, B 1100-3.

SOUTH BOSTON, VA

WILLIAM M TUCK (W78).....RNAV (GPS) Rwy 1
VOR-A¹

NA when local weather not available.

¹Cat C 800-2½.

SOUTH HILL, VA

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

NAME ALTERNATE MINIMUMS

STAFFORD, VA

WASHINGTON EXEC/STAFFORD
RGNL (RMN).....ILS or LOC Rwy 33¹
RNAV (GPS) Rwy 33²

NA when local weather not available.

¹LOC Cat D 900-2¾.

²Cat D 900-2¾.

STAUNTON/WAYNESBORO/

HARRISONBURG, VA

SHENANDOAH VALLEY
RGNL (SHD).....ILS or LOC Rwy 5¹
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23²

NA when local weather not available.

¹LOC Cat D 900-2¾.

²Cat D 900-2¾.

STEVENSVILLE, MD

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

SUFFOLK, VA

SUFFOLK EXEC (SFQ).....RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22

NA when local weather not available.

TANGIER, VA

TANGIER ISLAND (TGI).....RNAV (GPS)-B
NA when local weather not available.

TAPPAHANNOCK, VA

TAPPAHANNOCK/
ESSEX COUNTY (XSA).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.

WAKEFIELD, VA

WAKEFIELD MUNI (AKQ).....RNAV (GPS) Rwy 21
NA when local weather not available.
Cat A, B, C, D 1100-3.

WALLOPS ISLAND, VA

WALLOPS FLIGHT
FACILITY (WAL).....RNAV (GPS) Rwy 4¹
RNAV (GPS) Rwy 10¹
RNAV (GPS) Rwy 17¹
RNAV (GPS) Rwy 22¹
RNAV (GPS) Rwy 28¹
RNAV (GPS) Rwy 35¹
TACAN Rwy 10²

NA when local weather not available.

¹Cat D 900-2¾.

²Cat A, B 900-2, Cat C 900-2½, Cat D 900-2¾.

WARRENTON, VA

WARRENTON/
FAUQUIER (HWY).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33

NA when local weather not available.

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NAME ALTERNATE MINIMUMS

WASHINGTON, DC

MANASSAS RGNL/HARRY P DAVIS
FLD (HEF).....**ILS or LOC Rwy 16L**¹
RNAV (GPS) Rwy 16L²
RNAV (GPS) Rwy 16R²
RNAV (GPS) Rwy 34L²
RNAV (GPS) Rwy 34R²

NA when local weather not available.
¹ILS Cat C 700-2, Cat D 700-2¼; LOC Cat D 800-2¼.
²Cat D 800-2¼.

RONALD REAGAN WASHINGTON

NTL (DCA).....**ILS or LOC Rwy 1**¹
RNAV (GPS) Rwy 1²
RNAV (GPS) Rwy 15³
RNAV (GPS) Rwy 33⁴
RNAV (GPS) Y Rwy 19⁴
LDA Rwy 19⁵

¹LOC Cat B 900-2, Cat C 900-2¾, Cat D 900-3.
²Cat B 900-2, Cat C 900-2¾, Cat D 900-3.
³Cat C 800-2½, Cat D 900-3.
⁴Cat A, B, C, D 800-2½.
⁵Cat C 900-2½, Cat D 900-3.

WASHINGTON DULLES

INTL (IAD).....**ILS or LOC Rwy 1C**¹
ILS or LOC Rwy 1L¹
ILS or LOC Rwy 1R¹
ILS or LOC Rwy 19C¹
ILS or LOC Rwy 19R¹
ILS or LOC/DME Rwy 12²
RNAV (GPS) Rwy 12³
RNAV (GPS) Y Rwy 1C⁴
RNAV (GPS) Y Rwy 1L⁴
RNAV (GPS) Y Rwy 1R⁴
RNAV (GPS) Y Rwy 19R⁴
RNAV (GPS) Y Rwy 19C⁴
RNAV (GPS) Y Rwy 19L⁴
RNAV (GPS) Y Rwy 30⁴
VOR/DME Rwy 12³

¹LOC Cat D 900-2¾.
²LOC Cat D 800-2½.
³Cat D 800-2½.
⁴Cat D 900-2¾.

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.

NAME ALTERNATE MINIMUMS

WILLIAMSBURG, VA

WALTRIP WILLIAMSBURG
EXEC AIRPORT (JGG).....**RNAV (GPS)-C**
VOR-B

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

WILMINGTON, DE

NEW CASTLE (ILG).....**ILS or LOC Rwy 1**¹²
RNAV (GPS) Rwy 1³
RNAV (GPS) Rwy 9³
RNAV (GPS) Rwy 19³
RNAV (GPS) Rwy 27³
VOR Rwy 9⁴
VOR Rwy 27³

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

WINCHESTER, VA

WINCHESTER
RGNL (OKV).....**RNAV (GPS) Rwy 14**¹
RNAV (GPS) Rwy 32
VOR/DME-A

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

WISE, VA

LONESOME PINE (LNP).....**RNAV (GPS) Rwy 6**¹
RNAV (GPS) Rwy 24²

NA when local weather not available.
¹Cat D 900-3.
²Cat D 900-2¾.

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