

INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability. **A**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 **A**NA designation are not listed in this section. **A** 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
A 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.

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

Category D, 1000-3.

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

²Category D, 800-2½.

NAME ALTERNATE MINIMUMS

BALTIMORE, MD (CON'T)

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, Category D, 800-2½.

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

Category D, 900-2½.

⁴Category D, 800-2½.

⁵Categories A, B, 900-2; Category C, 900-2½;

Category D, 900-3.

BLACKSBURG, VA

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

NA when local weather not available.

Category C, 900-2½.

BLACKSTONE, VA

ALLAN C PERKINSON/
BLACKSTONE AAF (BKT).....**NBD-A¹**
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22

NA when local weather not available.

¹Categories A, B, C, 800-3.

NAME ALTERNATE MINIMUMS

LURAY, VA

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

NA when local weather not available.

¹Categories A, B, 1400-2, Category C, 1400-3.

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

³Categories A, B, 1300-2, Category 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
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
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

Categories A, B, 1100-3.

NA when local weather not available.

NAME ALTERNATE MINIMUMS

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, 800-2¾.

⁴Category D, 800-2¾.

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, 800-2¾.

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).....RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
VOR Rwy 9
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.

¹Category D, 800-2½.

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.

¹Categories A, B, 900-2.

²Categories A, B, 1600-2.

NAME ALTERNATE MINIMUMS

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.

PHILLIPS AAF (KAPG)

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

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

RICHMOND/ASHLAND, VA

HANOVER COUNTY
MUNI (OPF).....**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

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

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

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

NA when local weather not available.

SALUDA, VA

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

SOUTH BOSTON, VA

WILLIAM M TUCK (W78).....**RNAV (GPS) Rwy 1**
VOR-A¹
NA when local weather not available.
¹Category C 800-2¾.

SOUTH HILL, VA

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

STAFFORD, VA

STAFFORD
RGNL (RMN).....**ILS or LOC Rwy 33¹**
RNAV (GPS) Rwy 33²
NA when local weather not available.
¹LOC, Category D, 900-2¾.
²Category 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, 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
EXEC (SFQ).....**RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 22
RNAV (GPS) Rwy 25

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.

NAME ALTERNATE MINIMUMS

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 4¹**
RNAV (GPS) Rwy 10¹
RNAV (GPS) Rwy 17¹
RNAV (GPS) Rwy 22¹
RNAV (GPS) Rwy 28¹
RNAV (GPS) Rwy 35¹
VOR/DME or TACAN Rwy 10²

NA when local weather not available.

¹Category D, 900-2½.

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

WARRENTON, VA

WARRENTON/
FAUQUIER (HWY).....**RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
VOR Rwy 15¹

NA when local weather not available.

¹Category D 800-2½.

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, 700-2½.

²LOC, Category D, 800-2½.

²Category D, 800-2½.

RONALD REAGAN WASHINGTON

NTL (DCA).....**ILS or LOC Rwy 1¹**
LDA Y Rwy 19²
LDA Z Rwy 19³
RNAV (GPS) Rwy 15³
RNAV (GPS) Y Rwy 19⁴

¹LOC, Category B, 900-2; Category C, 900-2½;

Category D, 900-3.

²Categories A, B, C, D, 1100-3.

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

⁴Categories A, B, C, D, 800-2½.

NAME ALTERNATE MINIMUMS

WASHINGTON, DC (CON'T)

WASHINGTON DULLES
INTL (IAD).....**ILS or LOC Rwy 1C¹**
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, Category D, 900-2½.

²LOC, Category D, 800-2½.

³Category D, 800-2½.

⁴Category D, 900-2½.

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

WALTRIP WILLIAMSBURG
EXEC AIRPORT (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 1¹²**
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, Category D, 800-2½.

³Category D, 800-2½.

⁴Category C, D, 800-2½.

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NAME

ALTERNATE MINIMUMS

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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).....

RNAV (GPS) Rwy 6

RNAV (GPS) Rwy 24

NA when local weather not available.

Category D, 900-2¾.

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