



INSTRUMENT APPROACH PROCEDURE CHARTS



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 24²
RNAV (GPS) Rwy 6¹
RNAV (GPS) Rwy 24¹
VOR/DME-B¹

NA when local weather not available.

¹Category C, 800-2¼, Category D, 800-2½.

²Categories A, B, 900-2, Category C, 900-2½, Category D, 900-2¾.

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 28¹
VOR Rwy 10²

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

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

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.

BLACKSBURG, VA

VIRGINIA TECH/MONTGOMERY
EXECUTIVE (BCB) RNAV (GPS) Rwy 12
RNAV (GPS) Rwy 30

NA when local weather not available.

NAME ALTERNATE MINIMUMS

CHARLOTTESVILLE, VA

CHARLOTTESVILLE-
ALBEMARLE (CHO) ILS or LOC Rwy 3¹²³
RNAV (GPS) Rwy 3²⁴
RNAV (GPS) Y Rwy 21²⁵
RNAV (GPS) Z Rwy 21²⁶

¹NA when control tower closed.

²NA when local weather not available.

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

⁴Category D, 1000-3.

⁵Category D, 900-2¾.

⁶Categories, A, B, C, D, 1000-4.

COLLEGE PARK, MD

COLLEGE PARK (CGS)RNAV (GPS) Rwy 15
NA when local weather not available.

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-A¹
LOC/DME Rwy 23
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23³

NA when local weather not available.

¹Categories A, B, 1300-2, Category C 1300-3, Category D 1500-3.

²Categories A, B, 1500-2, Categories C, D, 1500-3.

³Categories A, B, 1100-2, Category C 1100-3.

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NAME DANVILLE, VA
 ALTERNATE MINIMUMS DANVILLE RGNL (DAN) ILS or LOC Rwy 2
 RNAV (GPS) Rwy 2
 RNAV (GPS) Rwy 20
 RNAV (GPS) Rwy 31
 VOR Rwy 2
 VOR Rwy 20¹

NA when local weather not available.

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

NAME DUBLIN, VA
 ALTERNATE MINIMUMS NEW RIVER
 VALLEY (PSK) RNAV (GPS) Rwy 6
 RNAV (GPS) Rwy 24
 VOR-A¹
 VOR/DME Rwy 6

NA when local weather not available.

¹Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

NAME EASTON, MD
 ALTERNATE MINIMUMS EASTON/NEWMAM
 FIELD (ESN) ILS or LOC/DME Rwy 4¹
 RNAV (GPS) Rwy 4
 RNAV (GPS) Rwy 15
 RNAV (GPS) Rwy 22
 RNAV (GPS) Rwy 33

NA when local weather not available.

¹ILS, LOC, NA when control tower closed.

NAME EMPORIA, VA
 ALTERNATE MINIMUMS EMPORIA-GREENSVILLE
 RGNL (EMV) RNAV (GPS) Rwy 16
 RNAV (GPS) Rwy 34

NA when local weather not available.

NAME FARMVILLE, VA
 ALTERNATE MINIMUMS 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.

NAME FELKER AAF (KFAF)
 ALTERNATE MINIMUMS 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.

NAME FORT MEADE (ODENTON), MD
 ALTERNATE MINIMUMS TIPTON (FME) RNAV (GPS) Rwy 28

NA when local weather not available.

NAME FRANKLIN, VA
 ALTERNATE MINIMUMS FRANKLIN MUNI-JOHN BEVERLY
 ROSE (FKN) RNAV (GPS) Rwy 9
 RNAV (GPS) Rwy 27
 NA when local weather not available.

NAME FREDERICK, MD
 ALTERNATE MINIMUMS FREDERICK
 MUNI (FDK) RNAV (GPS) Rwy 5^{1,2}
 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.

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

NAME GAITHERSBURG, MD
 ALTERNATE MINIMUMS MONTGOMERY COUNTY
 AIRPARK (GAI) NDB Rwy 14¹
 RNAV (GPS)-A²
 RNAV (GPS) Rwy 14²

¹Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

²NA when local weather not available.

NAME GALAX/HILLSVILLE, VA
 ALTERNATE MINIMUMS TWIN COUNTY (HLX) RNAV (GPS) Rwy 1
 RNAV (GPS) Rwy 19
 NA when local weather not available.

NAME GEORGETOWN, DE
 ALTERNATE MINIMUMS SUSSEX COUNTY (GED) RNAV (GPS) Rwy 4
 RNAV (GPS) Rwy 22
 NA when local weather not available.

NAME HAGERSTOWN, MD
 ALTERNATE MINIMUMS HAGERSTOWN RGNL-RICHARD A.
 HENSON FIELD (HGR) ILS or LOC Rwy 9^{1,2}
 ILS or LOC Rwy 27^{1,3}
 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.

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NAME ALTERNATE MINIMUMS 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, 800-2½; Category D, 800-2½.

JONESVILLE, VA

LEE COUNTY (0VG) **RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25¹

NA when local weather not available.

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

LEESBURG, VA

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

LEONARDTOWN, MD

ST. MARY'S COUNTY
RGNL (2W6) **RNAV (GPS) Rwy 11**
RNAV (GPS) Rwy 29

NA when local weather not available.

LOUISA, VA

LOUISA COUNTY/
FREEMAN FIELD (LKU) **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.

NAME ALTERNATE MINIMUMS LYNCHBURG, VA

LYNCHBURG RGNL/PRESTON GLENN
FIELD (LYH) **ILS or LOC Rwy 4¹²**
RNAV (GPS) Rwy 4³
RNAV (GPS) Rwy 17⁵
RNAV (GPS) Rwy 22³
RNAV (GPS) Rwy 35⁵
VOR/DME Rwy 22⁴
VOR Rwy 4³

¹ILS, LOC, NA when control tower closed.

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

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

⁴Categories A, B, 900-2; Category C, 900-2½, Category D, 900-2½.

⁵Category B, 900-2.

MARION/WYTHEVILLE, VA

MOUNTAIN
EMPIRE (MKJ) **RNAV (GPS) Rwy 26**
NA when local weather not available.
Category C, 800-2½.

MARTINSVILLE, VA

BLUE RIDGE (MTV) **RNAV (GPS) Rwy 12**
RNAV (GPS) Rwy 30¹

NA when local weather not available.

¹Category D, 800-2½.

MELFA, VA

ACCOMACK
COUNTY (MFV) **RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 21
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/DME Rwy 20¹²
NDB Rwy 2²
NDB Rwy 20²³
RNAV (GPS) Rwy 2²
RNAV (GPS) Rwy 7²
RNAV (GPS) Rwy 20²
RNAV (GPS) Rwy 25²

¹NA when control tower closed.

²NA when local weather not available.

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

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NAME ALTERNATE MINIMUMS
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.

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, 800-2½.
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.

PETERSBURG, VA
 DINWIDDIE
 COUNTY (PTB).....**RNAV (GPS) Rwy 5**
 RNAV (GPS) Rwy 23
 VOR Rwy 23
 NA when local weather not available.

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, VA
 RICHMOND INTL (RIC).....**ILS or LOC Rwy 16**
 ILS, Categories A, B, 800-2; Category C,
 800-2½; Category D, 800-2½.
 LOC, Category C, 800-2½; Category D,
 800-2½.

NAME ALTERNATE MINIMUMS
RICHMOND/ASHLAND, VA
 HANOVER
 COUNTY MUNI (OPF).....**RNAV (GPS) Rwy 16**
 VOR Rwy 16¹
 NA when local weather not available.
¹Category C, 800-2¼, Category D, 800-2½.

ROANOKE, VA
 ROANOKE RGNL/WOODRUM
 FIELD (ROA).....**ILS or LOC Rwy 34¹**
 LDA Rwy 6²
 RNAV (GPS) Rwy 6³
 RNAV (GPS) Rwy 24⁴
 RNAV (GPS) Rwy 34⁵
 VOR/NDB Rwy 34⁶
¹ILS, LOC, Categories A, B, 900-2; Categories
 C, D, 900-2½.
²Categories A,B, 1600-2; Categories C,D,
 1600-3.
³Categories A, B, 900-2; Category C, 900-2½;
 Category D, 900-2¾.
⁴Categories A, B, 1900-2; Categories C, D,
 1900-3.
⁵Categories A, B, 1200-2; Categories C, D,
 1200-3.
⁶Categories A, B, 1400-2; Categories C, D, 1400-3.

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
 VOR Rwy 23¹
 VOR Rwy 32
 NA when local weather not available.
¹Categories A, B, 1100-2; Categories C, D,
 1100-3.

SOUTH HILL, VA
 MECKLENBURG-
 BRUNSWICK RGNL (AVC).....**LOC Rwy 1**
 RNAV (GPS) Rwy 1
 RNAV (GPS) Rwy 19
 NA when local weather not available.

**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.

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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.

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.

¹Cat 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 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.

NAME ALTERNATE MINIMUMS

WASHINGTON, DC (CON'T)

RONALD REAGAN WASHINGTON
NATIONAL (DCA) ILS or LOC/DME Rwy 1¹
LDA/DME Rwy 19²
RNAV (GPS) Rwy 33³
ROSSLYN LDA Rwy 19, 1100-3
VOR/DME or GPS Rwy 15⁴
VOR/DME or GPS Rwy 19⁵
VOR/DME Rwy 1⁶

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

²Category D, 800-2¼.

³Category C, 800-2¼; Category D, 800-2½.

⁴Categories A,B, 1000-2; Category C, 1000-2¾;
Category D, 1000-3.

⁵Categories A, B, 1000-2; Categories C, D, 1000-3.

⁶Category D, 800-2¼.

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.

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NAME	ALTERNATE MINIMUMS	NAME	ALTERNATE MINIMUMS
WILMINGTON, DE			
NEW CASTLE (ILG)	ILS or LOC Rwy 1 ¹²		
	RNAV (GPS) Rwy 1 ²		
	RNAV (GPS) Rwy 9 ²		
	RNAV (GPS) Rwy 19 ²		
	RNAV (GPS) Rwy 27 ²		
	VOR Rwy 9 ¹²		
	VOR Rwy 27 ¹²³		

¹NA when control tower closed.

²NA when local weather not available.

³Category D, 800-2¼.

WINCHESTER, VA

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

NA when local weather not available.

¹Category D, 800-2¼.

WISE, VA

LONESOME	
PINE (LNP)	LOC/DME Rwy 24 ¹²
	RNAV (GPS) Rwy 6 ¹²
	RNAV (GPS) Rwy 24 ³

¹NA when local weather not available.

²Category D, 800-2¼.

³Category C, 800-2¼; Category D, 900-2¾.

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