

INSTRUMENT APPROACH PROCEDURE CHARTS

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.

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	
US Military (USA/USN/USAF)	See Service Regulations	

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

ALLENTOWN, PA

LEHIGH VALLEY
INTL (ABE).....**ILS or LOC Rwy 6¹**
 ILS or LOC Rwy 13²
 ILS or LOC/DME Rwy 24¹
 RNAV (GPS) Rwy 6³
 RNAV (GPS) Rwy 13³
 RNAV (GPS) Rwy 24³
 RNAV (GPS) Rwy 31³

¹LOC, Category C, 800-2½; Category D, 1300-3.

²ILS, LOC, Categories A, B, 900-2; Category C, 900-2½; Category D, 1300-3.

³Category C, 800-2½; Category D, 1300-

QUEEN CITY
MUNI (XLL).....**RNAV (GPS) Rwy 7**
Category C, 1000-2½.
NA when local weather not available.

ALTOONA, PA

ALTOONA/BLAIR
COUNTY (AOO).....**ILS or LOC Rwy 21¹**
 RNAV (GPS) Rwy 21²
 RNAV (GPS) Y Rwy 3²

NA when local weather not available.

¹LOC, Category C, 1300-3; Category D, 1400-3.

²Category C, 1300-3; Category D, 1400-3.

NAME ALTERNATE MINIMUMS

BEAVER FALLS, PA

BEAVER
COUNTY (BVI).....**LOC Rwy 10¹**
 VOR Rwy 28²

¹NA when control tower closed.

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

BECKLEY, WV

RALEIGH COUNTY
MEML (BKW).....**ILS or LOC Rwy 19¹**
 RNAV (GPS) Rwy 1²
 RNAV (GPS) Rwy 10²
 RNAV (GPS) Rwy 19²
 RNAV (GPS) Rwy 28³
 VOR Rwy 10²

NA when local weather not available.

¹LOC, Category C, 900-2½; Category D, 1000-3.

²Category C, 900-2½; Category D, 1000-3.

³Categories A, B, 900-2; Category C, 900-2½; Category D, 1000-3.

BEDFORD, PA

BEDFORD
COUNTY (HMZ).....**RNAV (GPS) Rwy 14¹**
 RNAV (GPS) Rwy 32^{2,3}

¹Categories A, B, 900-4; Category C, 1100-4; Category D, 1800-4.

²Category C, 1100-3.

³NA when local weather not available.

NAME ALTERNATE MINIMUMS

BLUEFIELD, WV

MERCER COUNTY (BLF).....**ILS or LOC Rwy 23¹²**
RNAV (GPS) Rwy 5³⁴
RNAV (GPS) Rwy 23³⁵
VOR Rwy 23³⁶

- ¹LOC, NA when local weather not available.
- ²LOC, Category C, 800-2½; Category D, 1000-3.
- ³NA when local weather not available.
- ⁴Category D, 800-2¼.
- ⁵Category C, 800-2¼; Category D, 800-2½.
- ⁶Category C, 800-2¼; Category D, 1000-3.

BRADFORD, PA

BRADFORD RGNL (BFD).....**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

BUCKHANNON, WV

UPSHUR COUNTY RGNL (W22).....**RNAV (GPS) Rwy 11**
RNAV (GPS) Rwy 29¹

- Category C, 800-2¼.
- ¹NA when local weather not available.

BUTLER, PA

PITTSBURGH/BUTLER RGNL (BTP).....**ILS or LOC Rwy 8¹²**
RNAV (GPS) Rwy 8³
RNAV (GPS) Rwy 26³

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

CHARLESTON, WV

WEST VIRGINIA INTL YEAGER (CRW).....**ILS or LOC Rwy 5¹**
RNAV (GPS) Y Rwy 5²
RNAV (GPS) Y Rwy 23³
RNAV (RNP) Z Rwy 23⁴
VOR-A²

- ¹LOC, Category C, 900-2½; Category D, 1000-3.
- ²Category C, 900-2½; Category D, 1000-3.
- ³Category C, 900-2½; Category D, 900-2¾.
- ⁴NA when local weather not available.

CLARKSBURG, WV

NORTH CENTRAL WEST VIRGINIA (CKB).....**ILS or LOC Rwy 21¹²**
RNAV (GPS) Rwy 3³
RNAV (GPS) Rwy 21⁴
VOR-A⁵⁶

- ¹NA when control tower closed.
- ²LOC, Category B, 900-2; Categories C, D, 1100-3.
- ³Category B, 900-2; Categories C, D, 1100-3.
- ⁴Categories C, D, 1100-3.
- ⁵Category D, 900-2¾.
- ⁶NA when local weather not available.

NAME ALTERNATE MINIMUMS

CLEARFIELD, PA

CLEARFIELD-LAWRENCE (FIG).....**RNAV (GPS) Rwy 12¹**
RNAV (GPS) Rwy 30²

- NA when local weather not available.
- ¹Category C, 900-2½.
- ²Category C, 900-2½; Category D, 1200-3.

COATESVILLE, PA

CHESTER COUNTY G O CARLSON (MQS).....**ILS or LOC Rwy 29¹**
RNAV (GPS) Rwy 11²
RNAV (GPS) Rwy 29²

- NA when local weather not available.
- ¹LOC, Category D, 800-2½.
- ²Category D, 800-2½.

DOYLESTOWN, PA

DOYLESTOWN (DYL).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23
VOR-A¹

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

DUBOIS, PA

DUBOIS RGNL (DUJ).....**ILS or LOC Rwy 25**
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25

NA when local weather not available.

ELKINS, WV

ELKINS/RANDOLPH COUNTY (JENNINGS RANDOLPH FLD) (EKN).....**LDA-C¹**
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23³
RNAV (GPS)-A⁴

- NA when local weather not available.
- ¹Categories A, B, 1200-2; Category C, 1800-3; Category D, 2100-3.
- ²Categories A, B, 1400-2; Category C, 1800-3; Category D, 2100-3.
- ³Categories A, B, 1200-2; Category C, 1800-3; Category D, 1200-3.
- ⁴Categories A, B, 1700-2; Category C, 1800-3.

ERIE, PA

ERIE INTL/TOM RIDGE FLD (ERI).....**ILS or LOC Rwy 6¹**
ILS or LOC Rwy 24¹
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24

- NA when local weather not available.
- ¹NA when control tower closed.

FRANKLIN, PA

VENANGO RGNL (FKL).....**ILS or LOC Rwy 21**
RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21
VOR Rwy 21

NA when local weather not available.

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NAME ALTERNATE MINIMUMS

HARRISBURG, PA

CAPITAL CITY (CXY).....**ILS or LOC Rwy 8¹²³**
RNAV (GPS) Rwy 8²⁵
RNAV (GPS) Rwy 26³⁴

- ¹Categories A, 1000-2; Category B, 1400-2;
Categories C, D, 1400-3.
- ²NA when control tower closed.
- ³NA when local weather not available.
- ⁴Category A, 1200-2, Category B, 1400-2;
Categories C, D, 1400-3.
- ⁵Category A, 900-2; Category B, 1400-2;
Categories C, D, 1400-3.

HARRISBURG

INTL (MDT).....**ILS or LOC Rwy 13¹**
ILS or LOC Rwy 31¹
RNAV (GPS) Rwy 13²
RNAV (GPS) Rwy 31³
VOR Rwy 31⁴

- ¹LOC, Category D, 1200-3.
- ²Categories A, B, C, D, 1300-5.
- ³Category C, 800-2¼; Category D, 1200-3.
- ⁴Categories A, B, 1000-2; Category C, 1000-3;
Category D, 1200-3.

HAZLETON, PA

HAZLETON RGNL (HZL).....**RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 28
Category C, 900-2½; Category D, 1000-3.

HUNTINGTON, WV

TRI-STATE/MILTON J FERGUSON
FLD (HTS).....**ILS or LOC Rwy 12¹**
ILS or LOC Rwy 30¹
RNAV (GPS) Rwy 12²
RNAV (GPS) Rwy 30²

- ¹LOC, Category D, 1000-3.
- ²Category D, 1000-3.

INDIANA, PA

INDIANA COUNTY/JIMMY STEWART
FLD (IDI).....**RNAV (GPS) Rwy 11**
RNAV (GPS) Rwy 29

- NA when local weather not available.
- Categories C, D, 1300-3.

NAME ALTERNATE MINIMUMS

JOHNSTOWN, PA

JOHN MURTHA JOHNSTOWN/CAMBRIA
COUNTY (JST).....**ILS or LOC Rwy 33¹²³**

RNAV (GPS) Rwy 5⁴
RNAV (GPS) Rwy 15⁴
RNAV (GPS) Rwy 23⁴
RNAV (GPS) Rwy 33⁴
VOR Rwy 5²⁴
VOR Y Rwy 15⁵
VOR Z Rwy 15⁴
VOR Y Rwy 23¹
VOR Z Rwy 23⁴

- ¹NA when control tower closed.
- ²NA when local weather not available.
- ³LOC, Category D, 800-2¼.
- ⁴Category D, 800-2¼.
- ⁵Categories A, B, 1100-2;
Categories C, D, 1100-3.

LANCASTER, PA

LANCASTER (LNS).....**ILS or LOC Rwy 8¹²³**

RNAV (GPS) Rwy 8²
RNAV (GPS) Rwy 13²
RNAV (GPS) Rwy 26²
RNAV (GPS) Rwy 31²
VOR/DME Rwy 31²⁴
VOR/DME Rwy 8²⁴
VOR/DME Rwy 26²⁴
VOR Rwy 8²⁵
VOR Rwy 31⁴

- ¹NA when control tower closed.
- ²NA when local weather not available.
- ³LOC, Category D, 800-2¼.
- ⁴Category D, 800-2¼.
- ⁵Categories A, B, 1000-2; Categories C, D,
1000-3.

LATROBE, PA

ARNOLD PALMER
RGNL (LBE).....**ILS or LOC Rwy 24¹²³**
RNAV (GPS) Rwy 6⁴
RNAV (GPS) Rwy 24⁴

- ¹NA when control tower closed.
- ²NA when local weather not available.
- ³LOC, Categories A, B, 1200-2;
Categories C, D, 1200-3.
- ⁴Category C, 900-2½; Category D, 900-2¾.

LEHIGHTON, PA

JAKE ARNER
MEML (22N).....**RNAV (GPS) Rwy 8¹**
RNAV (GPS) Rwy 26²

- ¹Categories A, B, 1100-2.
- ²Category A, 1000-2; Category B, 1300-2.

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NAME ALTERNATE MINIMUMS

LEWISBURG, WV

GREENBRIER VALLEY (LWB).....**ILS or LOC Rwy 4¹²**
RNAV (GPS) Rwy 4¹³
RNAV (GPS) Rwy 22⁴

- ¹NA when local weather not available.
- ²LOC, Category C, 1000-3; Category D, 1400-3.
- ³Category C, 1000-3; Category D, 1400-3.
- ⁴Category C, 1000-3; Category D, 1300-3.

LOGAN, WV

LOGAN COUNTY (6L4).....**RNAV (GPS) Rwy 6¹**
RNAV (GPS) Rwy 24

- Category C, 1100-3.
- ¹NA when local weather not available.

MARTINSBURG, WV

EASTERN WV RGNL/SHEPHERD FLD (MRB).....**ILS or LOC Rwy 26¹²**
RNAV (GPS) Rwy 8³
RNAV (GPS) Rwy 26¹⁴
VOR-A¹³

- ¹NA when local weather not available.
- ²ILS, LOC, Category D, 900-2½;
- Category E, 1600-3.
- ³Category D, 800-2½; Category E, 1600-3.
- ⁴Category D, 900-2½; Category E, 1600-3.

MEADVILLE, PA

PORT MEADVILLE (GKJ).....**LOC Rwy 25¹**
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25

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

MORGANTOWN, WV

MORGANTOWN MUNI/WALTER L BILL HART FLD (MGW).....**ILS or LOC Rwy 18¹²**
RNAV (GPS) Y Rwy 18³⁴
RNAV (GPS) Z Rwy 18³⁴
RNAV (GPS) Rwy 36³⁴

- ¹NA when control tower closed.
- ²LOC, Category C, 1000-2¾; Category D, 1400-3.
- ³NA when local weather not available.
- ⁴Category C, 1000-2¾; Category D, 1400-3.

MOUNT POCONO, PA

POCONO MOUNTAINS RGNL (MPO).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
VOR/DME Rwy 13

- NA when local weather not available.
- Category D, 800-2½.

NAME ALTERNATE MINIMUMS

MYERSTOWN, PA

DECK (9D4).....**RNAV (GPS) Rwy 19**
NA when local weather not available.

NEW CASTLE, PA

NEW CASTLE MUNI (UCP).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23
NA when local weather not available.

PARKERSBURG, WV

MID-OHIO VALLEY RGNL (PKB).....**RNAV (GPS) Rwy 3¹**
RNAV (GPS) Rwy 10²
RNAV (GPS) Rwy 21¹
RNAV (GPS) Rwy 28¹

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

PETERSBURG, WV

GRANT COUNTY (W99).....**RNAV (GPS)-C¹**
RNAV (GPS) Y Rwy 31²
RNAV (GPS) Z Rwy 31³
VOR/DME-A⁴

- NA when local weather not available.
- ¹Categories A, B, 1500-2.
- ²Categories A, B, 1800-2.
- ³Categories A, B, 1200-2.
- ⁴Categories A, B, 2200-2.

PHILADELPHIA, PA

NORTHEAST PHILADELPHIA (PNE).....**ILS or LOC Rwy 24¹²**
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 24¹
RNAV (GPS) Rwy 33

- NA when local weather not available.
- ¹NA when control tower closed.
- ²ILS, Category D, 700-2.

NAME ALTERNATE MINIMUMS

PHILADELPHIA, PA (CON'T)

PHILADELPHIA
INTL (PHL).....ILS or LOC Rwy 9L¹
 ILS or LOC Rwy 26³
 ILS or LOC Rwy 27L⁴
 ILS or LOC Rwy 27R⁴
 ILS Z or LOC Z Rwy 9R²
 ILS Z or LOC Rwy 17⁴
 RNAV (GPS) Rwy 17⁵
 RNAV (GPS) Rwy 27L⁵
 RNAV (GPS) Rwy 27R⁵
 RNAV (GPS) Rwy 35^{5b}
 RNAV (GPS) Y Rwy 9L⁵
 RNAV (GPS) Y Rwy 9R⁵

- ¹LOC, Category D, 800-2¼.
- ²ILS, Categories A, B, C, 800-2; Category D, 800-2¼. LOC, Category D, 800-2¼.
- ³ILS, Categories A, B, C, 700-2.
- ⁴LOC, Category D, 800-2¼.
- ⁵Category D, 800-2¼.
- ^{5b}NA when local weather not available.

WINGS FLD (LOM).....RNAV (GPS) Rwy 6
 RNAV (GPS) Rwy 24
 NA when local weather not available.

PITTSBURGH, PA

ALLEGHENY
COUNTY (AGC).....ILS or LOC Rwy 10¹
 ILS or LOC Rwy 28¹
 RNAV (GPS) Rwy 10²
 RNAV (GPS) Rwy 28²

- ¹LOC, Category D, 800-2¼.
- ²Category D, 800-2¼.

PITTSBURGH

INTL (PIT).....ILS or LOC Rwy 10L¹
 ILS or LOC Rwy 10R²
 ILS or LOC Rwy 28L¹
 ILS or LOC Rwy 28R¹
 ILS or LOC Rwy 32¹
 RNAV (GPS) Rwy 10L³
 RNAV (GPS) Rwy 14³
 RNAV (GPS) Y Rwy 10C³
 RNAV (GPS) Y Rwy 10R³
 RNAV (GPS) Y Rwy 28C³
 RNAV (GPS) Y Rwy 28L³
 RNAV (GPS) Y Rwy 28R³
 RNAV (GPS) Y Rwy 32³
 RNAV (RNP) Z Rwy 10R⁴

- ¹LOC, Category D, 800-2¼, Category E, 800-2½.
- ²ILS, Category C, 700-2; Category D, 700-2¼, Category E, 700-2½. LOC, Category D, 800-2¼, Category E, 800-2½.
- ³Category D, 800-2¼.
- ⁴NA when local weather not available.

NAME ALTERNATE MINIMUMS

POINT PLEASANT, WV

MASON COUNTY (3I2).....RNAV (GPS) Rwy 7¹
 RNAV (GPS) Rwy 25²

- NA when local weather not available.
- ¹Categories A, B, 1300-2; Category C, D, 1300-3.
- ²Category A, B, 1100-2; Category C, D, 1100-3.

POTTSTOWN, PA

HERITAGE FLD (PTW).....LOC Rwy 28
 RNAV (GPS)-A
 RNAV (GPS) Rwy 28
 VOR/DME-A

NA when local weather not available.

QUAKERTOWN, PA

QUAKERTOWN (UKT).....RNAV (GPS) Rwy 11
 RNAV (GPS) Rwy 29

NA when local weather not available.

READING, PA

READING RGNL/CARL A
 SPAATZ FLD (RDG).....ILS or LOC Rwy 13¹²
 ILS or LOC Rwy 36¹²
 RNAV (GPS) Rwy 13³
 RNAV (GPS) Rwy 18³
 RNAV (GPS) Rwy 31⁴
 RNAV (GPS) Rwy 36³

- NA when local weather not available.
- ¹NA when control tower closed.
- ²LOC, Category C, 1000-2¼; Category D, 1400-3.
- ³Category C, 1000-2¼; Category D, 1400-3.
- ⁴Categories A, B, 1300-2; Category C, 1300-3; Category D, 1400-3.

REEDSVILLE, PA

MIFFLIN
COUNTY (RVL).....RNAV (GPS) Rwy 6¹
 RNAV (GPS) Rwy 24²

- NA when local weather not available.
- ¹Categories C, D, 800-2½.
- ²Categories A, B, C, D, 1100-4.

ST MARYS, PA

ST MARYS
MUNI (OYM).....RNAV (GPS) Rwy 10¹
 RNAV (GPS) Rwy 28²

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

SELINGROVE, PA

PENN VALLEY (SEG).....RNAV (GPS) Rwy 17¹
 RNAV (GPS) Rwy 35²
 VOR-A³

- ¹Categories A, B, 1000-2; Category C, 1000-3; Category D, 1200-3.
- ²Categories A, B, 1400-2; Categories C, D, 1400-3.
- ³Categories A, B, 1000-2.

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NAME ALTERNATE MINIMUMS

SOMERSET, PA

SOMERSET COUNTY (2G).....**LOC Rwy 25**
NA when local weather not available.
Categories C, D, 1300-3.

STATE COLLEGE, PA

STATE COLLEGE
RGNL (UNV).....**ILS or LOC Rwy 24¹²**
RNAV (GPS) Rwy 6³
RNAV (GPS) Rwy 24²³

- ¹LOC, Category D, 1400-3.
- ²NA when local weather not available.
- ³Category D, 1400-3.

WASHINGTON, PA

WASHINGTON
COUNTY (AFJ).....**RNAV (GPS) Rwy 9¹**
RNAV (GPS) Rwy 27²

- NA when local weather not available.
- ¹Category B, 900-2; Category C, 900-2½;
- Category D, 900-2¾.
- ²Categories A, B, C, D, 1000-4.

WELLSBORO, PA

GRAND CANYON
RGNL (N38).....**RNAV (GPS) Rwy 10¹**
RNAV (GPS) Rwy 28²

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

WHEELING, WV

WHEELING OHIO
COUNTY (HLG).....**ILS or LOC Rwy 3¹²**
RNAV (GPS) Rwy 3³
RNAV (GPS) Rwy 16³
RNAV (GPS) Rwy 21³
RNAV (GPS) Rwy 34³
VOR Rwy 21³

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

WEST CHESTER, PA

BRANDYWINE
RGNL (OQN).....**RNAV (GPS) Rwy 27**
RNAV (GPS) Y Rwy 9
RNAV (GPS) Z Rwy 9
VOR-A

NA when local weather not available.

NAME ALTERNATE MINIMUMS

WILKES-BARRE/SCRANTON, PA

WILKES-BARRE/SCRANTON
INTL (AVP).....**ILS or LOC Rwy 4¹**
ILS or LOC Rwy 22²
RNAV (GPS) Rwy 4³
RNAV (GPS) Rwy 22³

- ¹ILS, LOC, Category A, 900-2;
Category B, 1100-2; Category C, 1100-3;
Category D, 1400-3.
- ²LOC, Category A, 900-2; Category B, 1100-2;
Category C, 1100-3; Category D, 1400-3.
- ³Category A, 900-2; Category B, 1100-2;
Category C, 1100-3; Category D, 1400-3.

WILLIAMSPORT, PA

WILLIAMSPORT
RGNL (IPT).....**ILS or LOC Rwy 27¹²**
RNAV (GPS) Rwy 9³
RNAV (GPS) Rwy 12⁴
RNAV (GPS) Rwy 27⁵
RNAV (GPS) Rwy 30⁶

- ¹NA when local control tower closed.
- ²ILS, LOC, Categories A, B, 1000-2; Category C,
1400-3; Category D, 1600-3.
- ³Categories A, B, 1600-2; Category C, 1600-3.
- ⁴Category A, 900-2; Category B, 1000-2.
- ⁵Categories A, B, 1800-2; Categories C, D, 1800-3;
- ⁶Categories A, B, 1500-2.

YORK, PA

YORK (THV).....**RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
NA when local weather not available.
Category C, 800-2¼.

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