

INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability.

ANA 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.

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	
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
 VOR-A³

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 21²³
 RNAV (GPS) Y Rwy 3²³

¹ILS, Categories A, B, 800-2; Category C, 1300-3; Category D, 1400-3; LOC, Category C, 1300-3; Category D, 1400-3.
²NA when local weather not available.
³Category 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).....**VOR-A²**
 RNAV (GPS) Rwy 14¹

¹Categories A, B, 900-4; Category C, 1100-4; Category D, 1800-4.
²Categories A, B, 1600-2; Category C, 1600-3; Category D, 1800-3.

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 29

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

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.

CHAMBERSBURG, PA

FRANKLIN COUNTY
RGNL (N68).....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24

NA when local weather not available.

CHARLESTON, WV

WEST VIRGINIA INTL
YEAGER (CRW).....**ILS or LOC Rwy 5¹**
RNAV (GPS) Y Rwy 5²
RNAV (GPS) Y Rwy 23³
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.

NAME ALTERNATE MINIMUMS

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.

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.

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NAME ALTERNATE MINIMUMS

ERIE, PA

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

HARRISBURG, PA

CAPITAL CITY (CX).....**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 Y Rwy 23⁴
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 8²
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.

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, 900-2¼; Category E, 1600-3.
- ³Category D, 800-2¼; Category E, 1600-3.
- ⁴Category D, 900-2¼; 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

MUIR AAF (MUI)

FORT INDIANTOWN GAP, PA.....**NDB-A¹**
RNAV (GPS)-B²³
COPTER NDB Y-289¹
COPTER NDB Z-289¹
COPTER RNAV (GPS) Rwy 25¹

- ¹NA when control tower closed.
- ²NA when local weather not available.
- ³Categories A, B, 1000-2; Category C, 1000-2¾.

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, 800-2¼; Category D, 800-2½.
- ²Categories C, D, 800-2½.

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.

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 35⁵⁶
RNAV (GPS) Y Rwy 9L⁵
RNAV (GPS) Y Rwy 9R⁵

- ¹LOC, Category D, 800-2¼.
- ²ILS, Categories A, B, C, 800-2; Category D, 800-2¾. LOC, Category D, 800-2¼.
- ³ILS, Categories A, B, C, 700-2.
- ⁴LOC, Category D, 800-2¼.
- ⁵Category D, 800-2¼.
- ⁶NA when local weather not available.

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PHILADELPHIA, PA (CON'T)

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, 800-2½.
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

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.

POINT PLEASANT, WV

MASON COUNTY (312).....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.

NAME ALTERNATE MINIMUMS

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 36³

NA when local weather not available.
¹NA when control tower closed.
²LOC, Category C, 1000-2¾; Category D, 1400-3.
³Category C, 1000-2¾; 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 10
NA when local weather not available.
Category D, 900-2¼.

SELINGSGROVE, 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.

SOMERSET, PA

SOMERSET COUNTY (2G9).....LOC Rwy 25
Categories C, D, 1300-3.

STATE COLLEGE, PA

UNIVERSITY
PARK (UNV).....ILS or LOC Rwy 24¹
RNAV (GPS) Rwy 6²
RNAV (GPS) Rwy 24²

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

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NAME ALTERNATE MINIMUMS

WELLSBORO, PA

GRAND CANYON
RGNL (N3R).....RNAV (GPS) Rwy 10¹
RNAV (GPS) Rwy 28²
VOR-A³⁴

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

²Category C, 900-2½.

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

⁴NA when local weather not available.

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) Y Rwy 9
RNAV (GPS) Z Rwy 9

NA when local weather not available.

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.

NAME ALTERNATE MINIMUMS

YORK, PA

YORK (THV).....RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35
Category C, 800-2¼; Category D, 800-2½.

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