

INSTRUMENT APPROACH PROCEDURE CHARTS

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).

[illegible]

ALLENTOWN, PA

LEHIGH VALLEY	ILS or LOC Rwy 6 ¹
INTL (ABE).....	ILS or LOC Rwy 13 ²
	ILS or LOC/DME Rwy 24 ¹
	RNAV (GPS) Rwy 6 ³
	RNAV (GPS) Rwy 13 ³
	RNAV (GPS) Rwy 24 ²
	RNAV (GPS) Rwy 31 ³

¹LOC, Category C, 800-2¼; Category D, 1300-3.

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

³Category C, 800-2 $\frac{1}{4}$; Category D, 1300-

QUEEN CITY

MUNI (XLL).....RNAV (GPS) Rwy 7
Category C, 1000-2³/₄.
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.

[illegible]

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 19¹²
RNAV (GPS) Rwy 1³
RNAV (GPS) Rwy 10³
RNAV (GPS) Rwy 19³
RNAV (GPS) Rwy 28³

NA when local weather not available.

¹LOC, Category C, 900-2½; Category D, 1000-3.²NA when AOCC closed.³Category C, 900-2½; Category D, 1000-3.

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

Category D, 1000-3.

BEDFORD, PA

BEDFORD
COUNTY (HMZ).....RNAV (GPS) Rwy 14¹
RNAV (GPS) Rwy 32²³

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 23¹**
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23³
VOR Rwy 23⁴

NA when local weather not available.

¹LOC, Category C, 800-2½; Category D, 1000-3.

²Category D, 800-2¼.

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

⁴Category C, 800-2½; 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, 900-2¼.

³Category C, 900-2½; Category D, 900-2¼.

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, 900-2¼.

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, 900-2¼.

⁶NA when local weather not available.

NAME ALTERNATE MINIMUMS

CLEARFIELD, PA

CLEARFIELD-
LAWRENCE (FIG).....**RNAV (GPS) Rwy 12¹²**
RNAV (GPS) Rwy 30¹³
VOR Rwy 30³

¹NA when local weather not available.

²Category C, 900-2½.

³Category 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.

NAME ALTERNATE MINIMUMS

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 (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, 800-2½; Category D, 1200-3.

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

Category D, 1200-3.

HAZLETON, PA

HAZLETON RGNL (HXL).....**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 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 22³

¹NA when local weather not available.

²LOC, Category C, 1000-3; Category D, 1400-3.

³Category C, 1000-3; Category D, 1400-3.

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).....**RNAV (GPS) Rwy 8¹**

RNAV (GPS) Rwy 26²³

VOR-A¹²

¹Category D, 800-2¼; Category E, 1600-3.

²NA when local weather not available.

³Category 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, 900-2¼;

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 36³⁵

¹NA when control tower closed.

²LOC, Category C, 1000-2¼; Category D, 1400-3.

³NA when local weather not available.

⁴Category C, 1000-2¼; Category D, 1400-3.

⁵Category C, 1000-3; Category D, 1500-3.

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, 800-2¼.

MYERSTOWN, PA

DECK (9D4).....

RNAV (GPS) Rwy 19

NA when local weather not available.

NAME ALTERNATE MINIMUMS

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.

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.

PHILADELPHIA

INTL (PHL).....**ILS V Rwy 9R (CONVERGING)¹**

ILS V Rwy 17 (CONVERGING)¹

ILS or LOC Rwy 9L²

ILS or LOC Rwy 26³

ILS or LOC Rwy 27L²

ILS or LOC Rwy 27R²

ILS Z or LOC Z Rwy 9R⁴

ILS Z or LOC Rwy 17²

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

¹Categories A, B, C, D, 700-2.

²LOC, Category D, 800-2¼.

³ILS, Categories A, B, C, 700-2.

⁴ILS, Categories A, B, C, 800-2; Category D,

800-2¼. LOC, Category D, 800-2¼.

⁵Category D, 800-2¼.

⁶NA when local weather not available.

NAME ALTERNATE MINIMUMS

PHILADELPHIA, PA (CON'T)

WINGS FLD (LOM).....RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24

NA when local weather not available.

PINEVILLE, WV

KEE FLD (I16).....RNAV (GPS) Rwy 26

NA when local weather not available.

Category C, 800-2½.

PITTSBURGH, PA

ALLEGHENY

COUNTY (AGC).....ILS or LOC Rwy 10¹

ILS or LOC Rwy 28¹²

RNAV (GPS) Rwy 10³

RNAV (GPS) Rwy 28²³

¹LOC, Category D, 800-2¼.

²NA when control tower closed.

³Category D, 800-2¼.

PITTSBURGH

INTL (PIT).....ILS or LOC Rwy 10L¹

ILS or LOC Rwy 10R¹

ILS or LOC Rwy 28L¹

ILS or LOC Rwy 28R¹

ILS or LOC Rwy 32¹

RNAV (GPS) Rwy 10L²

RNAV (GPS) Rwy 14²

RNAV (GPS) Y Rwy 10C²

RNAV (GPS) Y Rwy 10R²

RNAV (GPS) Y Rwy 28C²

RNAV (GPS) Y Rwy 28L²

RNAV (GPS) Y Rwy 28R²

RNAV (GPS) Y Rwy 32²

¹LOC, Category D, 800-2¼, Category E, 800-2½.

²Category D, 800-2¼.

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.

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 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, 800-2¼.

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.

SELINGSGROVE, PA

PENN VALLEY (SEG).....RNAV (GPS) Rwy 17¹²

RNAV (GPS) Rwy 35¹³

VOR-A⁴

¹NA when local weather not available.

²Categories A, B, 1000-2; Category C, 1000-3;

Category D, 1200-3.

³Categories A, B, 1400-2; Categories C, D, 1400-3.

⁴Categories A, B, 1000-2.

SOMERSET, PA

SOMERSET COUNTY (2G9).....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 24¹

RNAV (GPS) Rwy 6²

RNAV (GPS) Rwy 24²

NA when local weather not available.

¹LOC, Category C, 800-2¼; Category D, 1400-3.

²Category C, 800-2¼; Category D, 1400-3.

NAME ALTERNATE MINIMUMS

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.

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.

NAME ALTERNATE MINIMUMS

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.

ZELIENOPLE, PA

ZELIENOPLE
MUNI (PJC).....RNAV (GPS) Rwy 17¹
RNAV (GPS) Rwy 35²

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