

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

AUBURN/LEWISTON, ME

AUBURN/LEWISTON
MUNI (LEW).....**ILS or LOC Rwy 4¹³**
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 22³

¹LOC, Category C, 800-2½; Category D, 900-2¾.

²Category C, 800-2¼; Category D, 900-2¾;

³NA when local weather not available.

AUGUSTA, ME

AUGUSTA
STATE (AUG).....**ILS or LOC Rwy 17¹**
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 35²
VOR Rwy 35²

NA when local weather not available.

¹ILS, LOC, Category D, 900-2½.

²Category D, 900-2½.

NAME ALTERNATE MINIMUMS

BANGOR, ME

BANGOR INTL (BGR).....**ILS or LOC Rwy 33¹**
ILS Y or LOC Y Rwy 15²
RADAR-1³
RNAV (GPS) Rwy 15³
RNAV (GPS) Rwy 33³

¹ILS, LOC, Categories A, B, 1200-2; Categories C, D, E, 1200-3.

²ILS, Category D, 700-2; Category E, 700-2½; LOC, Category E, 800-2½.

³Category E, 800-2½.

BAR HARBOR, ME

HANCOCK COUNTY/
BAR HARBOR (BHB).....**ILS or LOC Rwy 22¹**
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 22²

¹LOC, Category D, 800-2½.

²Category D, 800-2½.

BARRE-MONTEPELIER, VT

EDWARD F
KNAPP STATE (MPV).....**RNAV (GPS) Rwy 17**
NA when local weather not available.
Categories A, B, 900-2; Category C, 1600-3;
Category D, 1800-3.

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NAME ALTERNATE MINIMUMS

HARTFORD, CT

HARTFORD-BRAINARD (HFD).....LDA Rwy 2¹³
RNAV (GPS) Rwy 2¹
VOR-A²

- ¹Category B, 900-2; Category C, 1000-2^{3/4}; Category D, 1000-3.
- ²Categories A, B, 1200-2; Categories C, D, 1200-3.
- ³NA when control tower closed.

HIGHGATE, VT

FRANKLIN COUNTY
STATE (FSO).....RNAV (GPS) Rwy 1¹
RNAV (GPS) Rwy 19

- NA when local weather not available.
- ¹Categories A, B, 800-2^{1/2}.

HOULTON, ME

HOULTON INTL (HUL).....RNAV (GPS)-A
RNAV (GPS) Rwy 5

- NA when local weather not available.

HYANNIS, MA

CAPE COD
GATEWAY (HYA).....ILS or LOC Rwy 15¹²
ILS or LOC Rwy 24¹²
RNAV (GPS) Rwy 6³
RNAV (GPS) Rwy 15³
RNAV (GPS) Rwy 24³
RNAV (GPS) Rwy 33³
VOR Rwy 6⁴

- NA when local weather not available.
- ¹NA when control tower closed.
- ²ILS, LOC, Category C, 900-2^{1/4}; Category D, 900-2^{1/2}.
- ³Category C, 900-2^{1/4}; Category D, 900-2^{1/2}.
- ⁴Categories A, B, 900-2; Category C, 900-2^{1/2}; Category D, 900-2^{1/4}.

JACKMAN, ME

NEWTON FLD (59B).....RNAV (GPS) Rwy 13¹
RNAV (GPS) Rwy 31²

- NA when local weather not available.
- ¹Category A, 1000-2; Category B, 1200-2; Category C, 1400-3.
- ²Category A, 1100-2; Category B, 1200-2; Category C, 1400-3.

JAFFREY, NH

JAFFREY AIRFIELD SILVER
RANCH (AFN).....RNAV (GPS)-B
RNAV (GPS)-C
VOR-A¹

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

KEENE, NH

DILLANT/
HOPKINS (EEN).....RNAV (GPS) Rwy 2
NA when local weather not available.
Category A, 900-2; Category B, 1000-2;
Category C, 1300-3; Category D, 1500-3.

NAME ALTERNATE MINIMUMS

LACONIA, NH

LACONIA MUNI (LCI).....ILS or LOC Rwy 8¹
RNAV (GPS) Rwy 8²
RNAV (GPS) Rwy 26²

- NA when local weather not available.
- ¹LOC, Categories A, B, 1500-2; Categories C, D, 1500-3.
- ²Category C, 1700-3; Category D, 2400-3.

LAWRENCE, MA

LAWRENCE
MUNI (LWM).....ILS or LOC Rwy 5¹²
RNAV (GPS) Rwy 5³
RNAV (GPS) Rwy 14³
RNAV (GPS) Rwy 23³

- ¹NA when control tower closed.
- ²LOC, Category D, 1100-3.
- ³Category D, 1100-3.

LEBANON, NH

LEBANON
MUNI (LEB).....ILS or LOC Rwy 18¹
RNAV (GPS) Rwy 7²
RNAV (GPS) Rwy 18³
RNAV (GPS) Rwy 25⁴
RNAV (GPS) Rwy 36³

- ¹LOC, Category A, 1100-2; Category B, 1200-2; Category C, 1300-3; Category D, 1500-3.
- ²Category A, 1100-2; Category B, 1200-2; Category C, 1300-3; Category D, 1500-3.
- ³Categories A, B, 1200-2; Category C, 1300-3; Category D, 1500-3.
- ⁴Category C, 1300-3; Category D, 1500-3.

LYNDONVILLE, VT

CALEDONIA
COUNTY (CDA).....RNAV (GPS) Rwy 2
NA when local weather not available.
Categories A, B, 900-2.

MANCHESTER, NH

MANCHESTER BOSTON
RGNL (MHT).....ILS or LOC Rwy 6¹
ILS or LOC Rwy 17¹
ILS or LOC Rwy 35¹
RNAV (GPS) Rwy 6³
RNAV (GPS) Y Rwy 17³
RNAV (GPS) Y Rwy 35²³

- ¹LOC, Category D, 900-2^{1/4}.
- ²NA when local weather not available.
- ³Category D, 900-2^{1/4}.

MARSHFIELD, MA

MARSHFEILD MUNI-GEORGE HARLOW
FLD (GHG).....RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24

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

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NAME ALTERNATE MINIMUMS

MERIDEN, CT

MERIDEN MARKHAM
MUNI (MMK).....RNAV (GPS) Rwy 36¹
VOR Rwy 36²

- ¹NA when local weather not available.
- ²Categories A, B, 1000-2.

MILLINOCKET, ME

MILLINOCKET
MUNI (MLT).....RNAV (GPS) Rwy 11¹²
RNAV (GPS) Rwy 29¹³
VOR Rwy 29¹³

- ¹NA when local weather not available.
- ²Category D, 800-2¼.
- ³Category D, 1000-3.

MORRISVILLE, VT

MORRISVILLE-STOWE
STATE (MVL).....RNAV (GPS) Y Rwy 19¹
RNAV (GPS) Z Rwy 29²
RNAV (GPS)-A³

- NA when local weather not available.
- ¹Categories A, B, 1500-2; Category C, 1500-3.
- ²Categories A, B, 1100-2½; Category C, 1300-3.
- ³Category A, 900-2; Category B, 1100-2; Category C, 1300-3.

NANTUCKET, MA

NANTUCKET
MEML (ACK).....ILS or LOC Rwy 6¹²
ILS or LOC Rwy 24¹²
RNAV (GPS) Rwy 6³
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 24³
RNAV (GPS) Rwy 33⁴
VOR Rwy 24³

- NA when local weather not available.
- ¹NA when control tower closed.
- ²ILS, Category C, 700-2; Category D, 700-2¼;
- LOC, Category D, 800-2¼.
- ³Category D, 800-2¼.
- ⁴Category D, 1000-3.

NASHUA, NH

BOIRE FLD (ASH).....ILS or LOC Rwy 14¹²
RNAV (GPS) Rwy 14³
RNAV (GPS) Rwy 32³

- NA when local weather not available.
- ¹NA when control tower closed.
- ²LOC, Category D, 800-2½.
- ³Category D, 800-2½.

NAME ALTERNATE MINIMUMS

NEW BEDFORD, MA

NEW BEDFORD
RGNL (EWB).....ILS or LOC Rwy 5¹³
LOC BC Rwy 23²
RNAV (GPS) RWY 2³
RNAV (GPS) RWY 23²
RNAV (GPS) RWY 14
RNAV (GPS) RWY 32⁴

- NA when local weather not available.
- ¹NA when control tower closed.
- ²Category D, 900-2¼.
- ³ILS, Categories A, B, C, 700-2; Category D, 900-2¼; LOC, Category D, 900-2¼.
- ⁴Categories A, B, 900-2; Categories C, D, 900-2½.

NEW HAVEN, CT

TWEED/NEW
HAVEN (HVN).....ILS or LOC Rwy 2¹²
RNAV (GPS) Rwy 2³
RNAV (GPS) Rwy 20³

- NA when local weather not available.
- ¹NA when control tower closed.
- ²LOC, Category C, 800-2¼; Category D, 900-2¼.
- ³Category C, 800-2¼; Category D, 900-2¼.

NEWPORT, RI

NEWPORT
STATE (UUU).....RNAV (GPS) Rwy 16
VOR Rwy 16

- NA when local weather not available.

NEWPORT, VT

NORTHEAST KINGDOM
INTL (EFK).....RNAV (GPS) Rwy 36
NA when local weather not available.
Category C, 1100-3.

NORTH ADAMS, MA

HARRIMAN-AND-
WEST (AQW).....RNAV (GPS)-A¹
RNAV (GPS)-B²

- ¹Categories A, B, 2100-2; Category C, 2200-3.
- ²Category B, 2700-2; Category C, 2700-3.

NORTH KINGSTOWN, RI

QUONSET
STATE (OQU).....ILS or LOC Rwy 16¹²
RNAV (GPS) Rwy 16³
RNAV (GPS) Rwy 34³
VOR-A³

- ¹NA when control tower closed.
- ²ILS, LOC, Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¼.
- ³Category D, 900-2¼.

NORWOOD, MA

NORWOOD MEML (OWD).....LOC Rwy 35
RNAV (GPS) Rwy 35

- Categories C, D, 1200-3.

NAME ALTERNATE MINIMUMS

ORANGE, MAORANGE MUNI (ORE).....RNAV (GPS) Rwy 32
VOR-A¹

NA when local weather not available.

¹Categories A, B, 1000-2; Category C, 1100-3;
Category D, 1200-3.**OXFORD, CT**WATERBURY-
OXFORD (OXO).....RNAV (GPS) Rwy 18
RNAV (GPS) Rwy 36

Category D, 800-2½.

PAWTUCKET, RINORTH CENTRAL
STATE (SFZ).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
VOR-A
VOR-B

NA when local weather not available.

PITTSFIELD, MAPITTSFIELD
MUNI (PSF).....LOC Rwy 26¹
RNAV (GPS) Rwy 8²
RNAV (GPS) Rwy 26³

NA when local weather not available.

¹Category B, 1000-2; Category C, 1300-3;
Category D, 1500-3.²Categories A, B, 1000-2½; Category C, 1300-3;
Category D, 1500-3.³Categories A, B, 1100-2; Category C, 1300-3;
Category D, 1500-3.**PLYMOUTH, MA**PLYMOUTH
MUNI (PYM).....ILS or LOC Rwy 6
RNAV (GPS) Rwy 33

NA when local weather not available.

PORTLAND, MEPORTLAND INTL
JETPORT (PWM).....ILS or LOC Rwy 11¹⁵
ILS or LOC Rwy 29¹³
RNAV (GPS) Rwy 11⁴
RNAV (GPS) Rwy 18⁴
RNAV (GPS) Rwy 29⁴
RNAV (GPS) Rwy 36²⁴¹NA when approach control closed.²NA when local weather not available.³ILS, Category C, 700-2; Category D, 800-2½.
LOC, Category D, 800-2½.⁴Category D, 800-2½.⁵ILS, Categories A, B, C, 700-2; Category D,
800-2½. LOC, Category D, 800-2½.

NAME ALTERNATE MINIMUMS

PORTSMOUTH, NHPORTSMOUTH INTL AT
PEASE (PSM).....ILS or LOC Rwy 16¹²
ILS or LOC Rwy 34²
RNAV (GPS) Rwy 16¹³
RNAV (GPS) Rwy 34¹³¹NA when local weather not available.²LOC, Category D, 800-2½; Category E, 800-2½.³Category D, 800-2½; Category E, 800-2½.**PRESQUE ISLE, ME**PRESQUE ISLE
INTL (PQI).....ILS or LOC Rwy 12¹
RNAV (GPS) Rwy 1³
RNAV (GPS) Rwy 19³
RNAV (GPS) Rwy 29³
VOR Rwy 19³¹NA when local weather not available.²LOC, Category C, 800-2½; Category D, 900-2½.³Category C, 800-2½; Category D, 900-2½.**PROVIDENCE, RI**RHODE ISLAND TF GREEN
INTL (PVD).....ILS or LOC Rwy 5¹
ILS or LOC Rwy 23²
ILS or LOC Rwy 34¹³
RNAV (GPS) Rwy 5⁴
RNAV (GPS) Rwy 16⁴
RNAV (GPS) Rwy 34⁴
RNAV (GPS) Y Rwy 23⁴
VOR Rwy 5⁴
VOR/DME Rwy 16⁴
VOR/DME Rwy 23⁴
VOR Y Rwy 34⁴
VOR Z Rwy 34⁴¹ILS, LOC, Category D, 900-2½.²LOC, Category D, 900-2½.³NA when control tower closed.⁴Category D, 900-2½.**PROVINCETOWN, MA**PROVINCETOWN
MUNI (PVC).....NDB Rwy 25
RNAV (GPS) RWY 7
RNAV (GPS) RWY 25

NA when local weather not available.

RANGELEY, MESTEPHEN A BEAN
MUNI (8B0).....RNAV (GPS)-D
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32¹

NA when local weather not available.

¹Categories A, B, 900-2; Category C, 900-2½.**ROCHESTER, NH**SKYHAVEN (DAW).....NDB Rwy 33
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33

NA when local weather not available.

NAME ALTERNATE MINIMUMS

ROCKLAND, ME

KNOX COUNTY
RGNL (RKD).....**ILS or LOC Rwy 13¹²**
RNAV (GPS) Rwy 3³
RNAV (GPS) Rwy 13³
RNAV (GPS) Rwy 31¹³

- ¹NA when local weather not available.
- ²ILS, Category C, 700-2; Category D, 1100-3;
LOC, Category D, 1100-3.
- ³Category D, 1100-3.

RUTLAND, VT

RUTLAND/SOUTHERN VERMONT
RGNL (RUT).....**ILS Y or LOC Y Rwy 19¹**
ILS Z or LOC Z Rwy 19²
RNAV (GPS) Rwy 1³⁴
RNAV (GPS) Y Rwy 19⁵
RNAV (GPS) Z Rwy 19⁵

- ¹ILS, Categories A, B, C, D, 1400-5;
LOC, Categories A, B, 1400-2; Category C,
1800-3; Category D, 2000-3.
- ²ILS, Categories A, B, C, D, 700-2;
LOC, Categories A, B, 1400-2; Category C,
1800-3; Category D, 2000-3.
- ³NA when local weather not available
- ⁴Categories A, B, 2400-2; Categories C, D, 2400-3.
- ⁵Categories A, B, C, 1800-5.

SANFORD, ME

SANFORD SEACOAST
RGNL (SFM).....**RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25
RNAV (GPS) Rwy 32
VOR Rwy 25

- NA when local weather not available.
Category C, 1000-2½; Category D, 1000-3.

SPRINGFIELD, VT

HARTNESS STATE
(SPRINGFIELD) (VSF).....**RNAV (GPS) Rwy 5**
Categories A, B, 1300-2; Categories C, D, 2100-3.
NA when local weather not available.

TAUNTON, MA

TAUNTON MUNI - KING
FLD (TAN).....**RNAV (GPS) Rwy 12**
NA when local weather not available.
Category D, 800-2½.

VINEYARD HAVEN, MA

MARTHA'S
VINEYARD (MVY).....**ILS or LOC Rwy 24¹**
RNAV (GPS) Rwy 6²
RNAV (GPS) Rwy 15²³
RNAV (GPS) Rwy 24²³
RNAV (GPS) Rwy 33²
VOR Rwy 6²

- ¹ILS, LOC, Category D, 800-2½.
- ²NA when local weather not available.
- ³Category D, 800-2½.

NAME ALTERNATE MINIMUMS

WATERVILLE, ME

WATERVILLE ROBERT
LAFLEUR (WVL).....**ILS or LOC/DME Rwy 5¹**
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23²

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

WESTFIELD/SPRINGFIELD, MA

WESTFIELD-
BARNES RGNL (BAF).....**ILS or LOC Rwy 20¹²**
RNAV (GPS) Rwy 2³
RNAV (GPS) Rwy 20⁴
VOR or TACAN Rwy 2⁴
VOR Rwy 20⁴

- NA when local weather not available.
- ¹NA when tower closed.
- ²LOC, Categories, A, B, 1000-2;
Category C, 1000-3; Categories D, E, 1400-3.
- ³Categories A, B, 1100-2; Category C, 1100-3;
Categories D, E, 1400-3.
- ⁴Categories A, B, 900-2; Category C, 900-2½;
Categories D, E, 1400-3.

WHITEFIELD, NH

MOUNT WASHINGTON
RGNL (HIE).....**RNAV (GPS) Y Rwy 10¹**
RNAV (GPS) Z Rwy 10

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

WILLIMANTIC, CT

WINDHAM (JD).....**RNAV (GPS) Rwy 9¹**
RNAV (GPS) Rwy 27¹
VOR-A

- Category C, 900-2½.
- ¹NA when local weather not available.

WINDSOR LOCKS, CT

BRADLEY
INTL (BDL).....**ILS or LOC Rwy 6¹**
ILS or LOC Rwy 24²
ILS or LOC Rwy 33²
RNAV (GPS) Rwy 15³
RNAV (GPS) Rwy 33⁴
RNAV (GPS) Y Rwy 6⁴
RNAV (GPS) Y Rwy 24⁴

- ¹LOC, Categories A, B, 1000-2; Categories C, D,
1000-2½.
- ²LOC, Category C, 1000-2½; Category D, 1100-3.
- ³Categories A, B, 900-2½; Category C, 1000-2½.
- ⁴Category C, 1000-2½; Category D, 1100-3.

WISCASSET, ME

WISCASSET (IWI).....**RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25

- NA when local weather not available.

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NAME	ALTERNATE MINIMUMS	NAME	ALTERNATE MINIMUMS
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WORCESTER, MA

WORCESTER

RGNL (ORH).....	ILS or LOC Rwy 11 ²³
	ILS or LOC Rwy 29 ¹²⁴
	RNAV (GPS) Rwy 11 ⁵
	RNAV (GPS) Rwy 29 ⁵
	RNAV (GPS) Rwy 33 ¹⁵
	VOR/DME Rwy 33 ¹⁵

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

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