

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. 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).

NAMEALTERNATE 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, 900-2½.
²Category C, 800-2½; Category D, 900-2½;
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.

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.

NAMEALTERNATE MINIMUMS

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-MONTEPIER, 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.

BEDFORD, MA

LAURENCE G HANSCOM
FLD (BED).....ILS or LOC Rwy 11¹²
ILS or LOC Rwy 29¹²
RNAV (GPS) Rwy 23³⁴
RNAV (GPS) Z Rwy 11³⁴
RNAV (GPS) Z Rwy 29³

¹NA when control tower closed.
²LOC, Category C, 800-2½; Category D, 800-2½.
³Category C, 800-2½; Category D, 800-2½.
⁴NA when local weather not available.

NAME ALTERNATE MINIMUMS

BENNINGTON, VT

WILLIAM H MORSE

STATE (DDH).....**RNAV (GPS) Rwy 13**

NA when local weather not available.

Categories A, B, 1800-2; Category C, 1800-3.

BERLIN, NH

BERLIN

RGNL (BML).....**RNAV (GPS) Rwy 18**

NA when local weather not available.

Category A, 1100-2; Category B, 1200-2;

Category C, 1500-3; Category D, 1600-3.

BEVERLY, MA

BEVERLY RGNL (BVY).....**RNAV (GPS) Rwy 9¹**

RNAV (GPS) Rwy 16¹

RNAV (GPS) Rwy 27¹

RNAV (GPS) Rwy 34²

NA when local weather not available.

¹Category D, 800-2½.

²Category D, 800-2½.

BLOCK ISLAND, RI

BLOCK ISLAND

STATE (BID).....**RNAV (GPS) Rwy 10**

RNAV (GPS) Rwy 28

NA when local weather not available.

BOSTON, MA

GENERAL EDWARD LAWRENCE LOGAN

INTL (BOS).....**ILS or LOC Rwy 4R¹**

RNAV (GPS) Rwy 32²

¹LOC, NA when local weather not available.

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

BRIDGEPORT, CT

BRIDGEPORT/

SIKORSKY (BDR).....**ILS or LOC Rwy 6¹**

RNAV (GPS) Rwy 6²

RNAV (GPS) Rwy 24²

RNAV (GPS) Rwy 29²

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

²Category C, 900-2½; Category D, 900-2¾.

BRUNSWICK, ME

BRUNSWICK

EXEC (BXM).....**RNAV (GPS) Rwy 1R**

NA when local weather not available.

Category C, 800-2¾; Category D, 800-2½.

NAME ALTERNATE MINIMUMS

BURLINGTON, VT

PATRICK LEAHY BURLINGTON

INTL (BTV).....**ILS or LOC Rwy 15¹²³**

ILS or LOC Rwy 33²⁴

RNAV (GPS) Rwy 15⁵

RNAV (GPS) Y Rwy 33⁶

RNAV (GPS) Z Rwy 33⁷

¹LOC, Category C, 900-2¾; Categories D, E, 1100-3.

²NA when control tower closed.

³NA when local weather not available.

⁴LOC, Categories A, B, 1000-2; Category C, 1000-2¾; Categories D, E, 1100-3.

⁵Category C, 900-2¾; Category D, 1100-3.

⁶Category C, 900-2½; Category D, 1100-3;

Category E, 1200-3.

⁷Categories A, B, C, D, E, 1700-5.

CARIBOU, ME

CARIBOU

MUNI (CAR).....**RNAV (GPS) Rwy 1**

RNAV (GPS) Rwy 19

NA when local weather not available.

Category D, 800-2½.

CHATHAM, MA

CHATHAM MUNI (CQX).....**RNAV (GPS)-B**

NA when local weather not available.

Category D, 800-2½.

CHESTER, CT

CHESTER (SNC).....**RNAV (GPS) Rwy 17**

RNAV (GPS) Rwy 35

NA when local weather not available.

CONCORD, NH

CONCORD

MUNI (CON).....**ILS or LOC Rwy 35¹**

RNAV (GPS) Rwy 12²

RNAV (GPS) Rwy 17²

RNAV (GPS) Rwy 35²

VOR-A²

NA when local weather not available.

¹LOC, Categories C, D, 1200-3.

²Categories C, D, 1200-3.

DANBURY, CT

DANBURY MUNI (DXR).....**LOC Rwy 8¹²³**

RNAV (GPS) Rwy 26²⁴

RNAV (GPS) Y Rwy 8²³

RNAV (GPS) Z Rwy 8²⁵

RNAV (GPS)-A⁶

¹NA when control tower closed.

²NA when local weather not available.

³Category B, 900-2; Category C, 900-2½;

Category D, 1100-3.

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

⁵Categories A, B, 900-2½.

⁶Categories A, B, 900-2; Category C, 900-2¾;

Category D, 1100-3.

NAME ALTERNATE MINIMUMS

EASTPORT, ME

EASTPORT MUNI (EPM).....RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32

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

FALMOUTH, MA

CAPE COD COAST GUARD AIR
STATION (FMH).....ILS Z or LOC Z Rwy 23¹
ILS Z or LOC Z Rwy 32¹
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 14²
RNAV (GPS) Rwy 23²³
RNAV (GPS) Rwy 32²

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

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

³NA when local weather not available.

FITCHBURG, MA

FITCHBURG
MUNI (FIT).....RNAV (GPS) Rwy 14¹
RNAV (GPS) Rwy 32²

NA when local weather not available.

¹Categories A, B, 1100-2; Category C, 1200-3.

²Category B, 1100-2; Category C, 1200-3.

FRENCHVILLE, ME

NORTHERN AROOSTOOK
RGNL (FVE).....RNAV (GPS) Rwy 14¹
RNAV (GPS) Rwy 32

¹NA when local weather not available.

Category C, 900-2½; Category D, 900-2¾.

FRYEBURG, ME

EASTERN SLOPES
RGNL (IZG).....RNAV (GPS) Rwy 32
NA when local weather not available.
Category A, 900-2; Category B, 1000-2;
Category C, 1200-3.

GROTON (NEW LONDON), CT

GROTON-NEW
LONDON (GON).....ILS or LOC Rwy 5¹²
RNAV (GPS) Rwy 5³
RNAV (GPS) Rwy 23³
VOR Rwy 5³
VOR Rwy 23³

NA when local weather not available.

¹NA when control tower closed.

²LOC, Category D, 900-2¾.

³Category D, 900-2¾.

HARTFORD, CT

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

¹Category B, 900-2; Category C, 1000-2¾;

Category D, 1000-3.

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

³NA when control tower closed.

NAME ALTERNATE MINIMUMS

HIGHGATE, VT

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

NA when local weather not available.

¹Categories A, B, 800-2½.

HOULTON, ME

HOULTON INTL (HUL).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23¹

NA when local weather not available.

¹Category A, 900-2½; Category B, 1000-2½;

Category C, 1000-2¾.

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, 900-2½;

Category D, 900-2½.

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

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

Category D, 900-2¾.

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).....ILS or LOC Rwy 2¹
RNAV (GPS) Rwy 2²

NA when local weather not available.

¹LOC, Categories A, B, 1400-2; Category C,

1400-3; Category D, 1500-3.

²Category 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 26³

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.

³Categories A, B, 900-2; Category C, 900-3;

Category D, 1000-3.

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 C, 800-2¼; Category D, 1100-3.

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

²NA when local weather not available.

³Category D, 900-2¾.

MANSFIELD, MA

MANSFIELD

MUNI (1B9).....**COPTER RNAV (GPS) Y Rwy 14**
RNAV (GPS) Rwy 32
RNAV (GPS) Z Rwy 14

NA when local weather not available.

NAME ALTERNATE MINIMUMS

MARSHFIELD, MA

MARSHFIELD MUNI-GEORGE HARLOW

FLD (GHG).....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24

NA when local weather not available.

Category B, 900-2.

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 19²
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 24¹³
RNAV (GPS) Rwy 6⁴
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 24⁴
RNAV (GPS) Rwy 33⁵
VOR Rwy 24⁴

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.

³LOC, Category D, 800-2¼.

⁴Category D, 800-2¼.

⁵Category 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 5¹**
LOC BC Rwy 23²
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 14³
RNAV (GPS) Rwy 23²
RNAV (GPS) Rwy 32⁴
¹ILS, LOC, Category D, 900-3.

²Category D, 900-3.

³NA when local weather not available.

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/DME 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, MA

ORANGE 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 (OXC).....**ILS or LOC Rwy 36¹**
RNAV (GPS) Rwy 18²
RNAV (GPS) Rwy 36²

NA when local weather not available.

¹LOC, Categories A, B, 800-2¼.

²Category D, 800-2¼.

PAWTUCKET, RI

NORTH CENTRAL

STATE (SFZ).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23
VOR-A

NA when local weather not available.

PITTSFIELD, MA

PITTSFIELD 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.

PLAINVILLE, CT

ROBERTSON FLD (4B8).....**RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20

NA when local weather not available.

Category C, 800-2¼.

PLYMOUTH, MA

PLYMOUTH

MUNI (PYM).....**ILS or LOC Rwy 6**
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 24
RNAV (GPS) Rwy 33

NA when local weather not available.

NAME	ALTERNATE MINIMUMS
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, 800-2¼.	

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

WATERVILLE, ME	
WATERVILLE RGNL (WVL).....	ILS or LOC/DME Rwy 5¹
	RNAV (GPS) Rwy 5²
	RNAV (GPS) Rwy 23²
NA when local weather not available.	
¹ LOC, Category C, 800-2¼; Category D, 800-2½.	
² Category C, 800-2¼; 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.	
¹ NA when tower closed.	
² LOC, Categories, A, B, 1000-2;	
Category C, 1000-3; Categories D, E, 1400-3.	
³ Categories A, B, 1100-2; Category C, 1100-3;	
Categories D, E, 1400-3.	
⁴ Categories A, B, 900-2; Category C, 900-2¾;	
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.	
¹ Categories A, B, 900-2; Category C, 900-2¼.	

NAME	ALTERNATE MINIMUMS
WILLIMANTIC, CT	
WINDHAM (IJD).....	RNAV (GPS) Rwy 9¹
	RNAV (GPS) Rwy 27¹
	VOR-A
Category C, 900-2½.	
¹ NA when local weather not available.	

WINDSOR LOCKS, CT	
BRADLEY INTL (BDL).....	ILS or LOC Rwy 9¹
	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, 1000-2¾; Category D, 1100-3.
- ³Categories A, B, 900-2½; Category C, 1000-2¼.
- ⁴Category C, 1000-2¼; Category D, 1100-3.

WISCASSET, ME	
WISCASSET (IWI).....	RNAV (GPS) Rwy 7
	RNAV (GPS) Rwy 25
NA when local weather not available.	

WORCESTER, MA	
WORCESTER RGNL (ORH).....	ILS or LOC Rwy 11¹²³
	ILS or LOC Rwy 29¹²³
	RNAV (GPS) Rwy 11⁴
	RNAV (GPS) Rwy 29¹⁴
	RNAV (GPS) Rwy 33¹⁴
	VOR/DME Rwy 33¹⁴
¹ NA when local weather not available.	
² NA when control tower closed.	
³ LOC, Categories C, D, 1000-3.	
⁴ Categories C, D, 1000-3.	