

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. 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
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	

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

ALBANY, NY

ALBANY INTL (ALB).....**ILS or LOC Rwy 1¹²**
 ILS or LOC Rwy 19¹²
 RNAV (GPS) Rwy 10²³
 RNAV (GPS) Rwy 28²³
 RNAV (GPS) Y Rwy 1²³
 RNAV (GPS) Y Rwy 19²³
 VOR Rwy 28³

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

ANDOVER, NJ

AEROFLEX/
ANDOVER (12N).....**RNAV (GPS) Rwy 3**
 VOR-A

NA when local weather not available.
Category A, 1000-2.

NAME ALTERNATE MINIMUMS

ATLANTIC CITY, NJ

ATLANTIC CITY
INTL (ACY).....**ILS or LOC/DME Rwy 31¹**
 ILS Z or LOC Z Rwy 13²
 RNAV (GPS) Rwy 4³
 RNAV (GPS) Rwy 22³
 RNAV (GPS) Y Rwy 13³
 RNAV (GPS) Y Rwy 31³
 VOR Rwy 4³
 VOR Rwy 31³

¹ILS, Category E, 700-2½. LOC, Category E, 800-2½.
²LOC, Category E, 800-2½.
³Category E, 800-2½.

BATAVIA, NY

GENESEE
COUNTY (GVQ).....**ILS or LOC Rwy 28¹**
 RNAV (GPS) Rwy 10²
 RNAV (GPS) Rwy 28²
 VOR/DME-A²

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

02 OCT 2025 to 30 OCT 2025

02 OCT 2025 to 30 OCT 2025

NAME ALTERNATE MINIMUMS

BELMAR/FARMINGDALE, NJ

MONMOUTH
EXEC (BLM).....RNAV (GPS) Rwy 14¹
RNAV (GPS) Rwy 32¹
RNAV (GPS) Z Rwy 32
VOR-A¹

NA when local weather not available.

¹Category D, 800-2¼.

BINGHAMTON, NY

GREATER BINGHAMTON/EDWIN A
LINK FLD (BGM).....ILS or LOC Rwy 16¹
ILS or LOC Rwy 34¹
RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 28
RNAV (GPS) Rwy 34

NA when local weather not available.

¹NA when control tower closed.

CALDWELL, NJ

ESSEX COUNTY (CDW).....RNAV (GPS) Rwy 4¹²
RNAV (GPS) Rwy 10¹
RNAV (GPS) Rwy 22²³

¹Category B, 900-2; Category C, 1000-2¼;

Category D, 1300-3.

²NA when local weather not available.

³Category B, 900-2; Category C, 1000-2¼.

CORTLAND, NY

CORTLAND COUNTY/CHASE
FLD (N03).....RNAV (GPS) Rwy 6¹
RNAV (GPS) Rwy 24¹
VOR-A²

NA when local weather not available.

¹Category C, 1100-3.

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

DANVILLE, NY

DANVILLE MUNI (DSV).....RNAV (GPS)-A
RNAV (GPS) Rwy 14

NA when local weather not available.

Category A, 1300-2; Category B, 1500-2;

Category C, 1600-3.

DUNKIRK, NY

CHAUTAUQUA COUNTY/
DUNKIRK (DKK).....RNAV (GPS)-A¹
RNAV (GPS)-B¹
RNAV (GPS) Rwy 15¹
RNAV (GPS) Rwy 33²

NA when local weather not available.

¹Category C, 1000-2¼; Category D, 1500-3.

²Categories A, B, 1200-2; Category C, 1200-3;

Category D, 1500-3.

NAME ALTERNATE MINIMUMS

EAST HAMPTON, NY

EAST HAMPTON TOWN
(JPX).....RNAV (GPS) Z Rwy 10
RNAV (GPS) Z Rwy 28

NA when local weather not available.

ELMIRA/CORNING, NY

ELMIRA/CORNING
RGNL (ELM).....ILS or LOC Rwy 6¹²
ILS or LOC Rwy 24¹²
RNAV (GPS) Rwy 6³
RNAV (GPS) Rwy 10⁴
RNAV (GPS) Rwy 24⁵
RNAV (GPS) Rwy 28⁶

NA when local weather not available.

¹NA when control tower closed.

²LOC, Categories A, B, 1200-2;

Category C, 1200-3, Category D, 1400-3.

³Categories A, B, C, 1200-5; Category D, 1400-5.

⁴Categories A, B, 1400-2; Categories C, D, 1400-3.

⁵Categories A, B, 1200-2¼; Category C, 1200-3;

Category D, 1400-3.

⁶Category A, 1100-2; Category B, 1200-2;

Category C, 1200-3, Category D, 1400-3.

FARMINGDALE, NY

REPUBLIC (FRG).....ILS or LOC Rwy 14¹³
RNAV (GPS) Rwy 1²
RNAV (GPS) Y Rwy 14²
RNAV (GPS) Rwy 19²
RNAV (GPS) Rwy 32²

NA when local weather not available.

¹LOC, Category C, 800-2¼; Category D, 1000-3.

²Category C, 800-2¼; Category D, 1000-3.

³ILS, LOC, NA when control tower closed.

FULTON, NY

OSWEGO
COUNTY (FZY).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 24
RNAV (GPS) Rwy 33

NA when local weather not available.

GLENS FALLS, NY

FLOYD BENNETT
MEML (GFL).....ILS or LOC Rwy 1¹
RNAV (GPS) Rwy 1²⁴
RNAV (GPS) Rwy 19³⁴
RNAV (GPS) Rwy 30²

¹LOC, Category D, 1200-3.

²Category D, 1700-3.

³Category D, 1100-3.

⁴NA when local weather not available.

NAME ALTERNATE MINIMUMS

ITHACA, NY

ITHACA TOMPKINS

INTL (ITH).....**ILS or LOC Rwy 32¹²**
RNAV (GPS) Y Rwy 14³
RNAV (GPS) Z Rwy 14
RNAV (GPS) Rwy 32⁴

NA when local weather not available.

¹NA when tower closed.

²LOC, Categories A, B, 1100-2;

Category C, 1100-3; Category D, 1400-3.

³Category D, 800-2¼.

⁴Categories A, B, 1300-2; Category C, 1300-3;

Category D, 1400-3.

JAMESTOWN, NY

CHAUTAUQUA COUNTY/

JAMESTOWN (JHW).....**RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25

NA when local weather not available.

JOHNSTOWN, NY

FULTON COUNTY (NYO).....**RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 28

NA when local weather not available.

MASSENA, NY

MASSENA INTL-RICHARDS

FLD (MSS).....**RNAV (GPS) Rwy 5¹**
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 27

NA when local weather not available.

¹Category D, 800-2¼.

MILLVILLE, NJ

MILLVILLE MUNI (MIV).....**ILS or LOC Rwy 10¹**
RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 14
VOR-A

NA when local weather not available.

¹ILS, LOC, Categories A, B, 900-2; Category C, 900-2¾, Category D, 900-3.

MONTGOMERY, NY

ORANGE COUNTY (MGJ).....**ILS or LOC Rwy 4¹**
RNAV (GPS) Rwy 4²³
RNAV (GPS) Rwy 8³⁴
RNAV (GPS) Rwy 22³⁴
RNAV (GPS) Rwy 26³⁴

¹LOC, Categories A, B, 900-2; Category C, 900-2¼; Category D, 900-2¾.

²Categories A, B, 900-2; Category C, 900-2¼; Category D, 900-2¾.

³NA when local weather not available.

⁴Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

NAME ALTERNATE MINIMUMS

MONTICELLO, NY

SULLIVAN COUNTY

INTL (MSV).....**ILS or LOC Rwy 15¹**
RNAV (GPS) Rwy 15²
RNAV (GPS) Rwy 33²

NA when local weather not available.

¹LOC, Category D, 800-2½.

²Category D, 800-2½.

MORRISTOWN, NJ

MORRISTOWN

MUNI (MMU).....**ILS or LOC Rwy 23¹²**
RNAV (GPS) Rwy 5³
RNAV (GPS) Z Rwy 23³

NA when local weather not available.

¹NA when tower closed.

²LOC, Category C, 900-2½, Category D, 1100-3.

³Category C, 900-2½, Category D, 1100-3.

MOUNT HOLLY, NJ

SOUTH JERSEY

RGNL (VAY).....**RNAV (GPS) Rwy 8**

NA when local weather not available.

NEW YORK, NY

JOHN F KENNEDY

INTL (JFK).....**ILS or LOC Rwy 4L¹**
ILS or LOC Rwy 13L¹
ILS or LOC Rwy 22L²
ILS or LOC Rwy 22R²
RNAV (GPS) Rwy 31L³
RNAV (GPS) Rwy 31R³
RNAV (GPS) Z Rwy 13L⁴
RNAV (GPS) Z Rwy 13R⁵
VOR or GPS Rwy 13L/R, 1000-3

¹LOC, Category D, 800-2¼.

²NA when local weather not available.

³Category D, 800-2¼.

⁴Categories A, B, C, D, 1300-2.

⁵Categories A, B, C, D, 1000-3.

LAGUARDIA (LGA).....**ILS or LOC Rwy 4¹**

ILS or LOC Rwy 13²

ILS or LOC Rwy 22²

LOC Rwy 31³

RNAV (GPS) X Rwy 22³

RNAV (GPS) X Rwy 31⁴

RNAV (GPS) Y Rwy 4³

RNAV (GPS) Y Rwy 22⁵

RNAV (GPS) Y Rwy 31³

RNAV (GPS) Z Rwy 13⁶

RNAV (GPS) Z Rwy 31³

¹LOC, Category D, 800-2¼.

²LOC, Categories C, D, 1100-3.

³Category D, 800-2¼.

⁴Categories A, B, C, D, 1200-4.

⁵Categories C, D, 1100-3.

⁶Category C, 1100-3; Category D, 1300-3.

NAME ALTERNATE MINIMUMS

NEW YORK, NY (CON'T)

LONG ISLAND

MAC ARTHUR (ISP).....ILS or LOC Rwy 6¹²⁴

ILS or LOC Rwy 24¹²³

RNAV (GPS) Rwy 6¹⁴

RNAV (GPS) Rwy 15R¹⁴

RNAV (GPS) Rwy 24⁴

RNAV (GPS) Rwy 33L¹⁴
¹NA when local weather not available.

²NA when control tower closed.

³LOC, Category D, 900-2½.

⁴Category D, 900-2¼.

NEW YORK STEWART

INTL (SWF).....ILS or LOC Rwy 9¹

ILS or LOC Rwy 27¹

RNAV (GPS) Rwy 9²

RNAV (GPS) Rwy 16²

RNAV (GPS) Rwy 27²

RNAV (GPS) Rwy 34²
¹ILS, Categories A, B, C, 800-2, Category D, 800-2¼; LOC, Category D, 800-2¼.

²Category D, 800-2¼.

NEWARK, NJ

NEWARK LIBERTY

INTL (EWR).....ILS or LOC Rwy 4R¹

ILS or LOC Rwy 11²

ILS or LOC Rwy 22L¹

ILS or LOC Rwy 22R¹

ILS Z or LOC Z Rwy 4L¹

RNAV (GPS) Rwy 4L³

RNAV (GPS) Rwy 11³

RNAV (GPS) Rwy 22R³

RNAV (GPS) T Rwy 29⁴

RNAV (GPS) W Rwy 29⁵

RNAV (GPS) X Rwy 29⁶

RNAV (GPS) Y Rwy 4R³

RNAV (GPS) Z Rwy 22L³
¹LOC, Category C, 900-2¼; Category D, 900-3.

²LOC, Category C, 900-2½, Category D, 900-2¼.

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

⁴Categories A, B, C, D, 1300-4.

⁵Categories A, B, C, D, 1000-3.

⁶Category B, 900-2; Category C, 900-2¼;

Category D, 900-3.

NAME ALTERNATE MINIMUMS

NIAGARA FALLS, NY

NIAGARA FALLS

INTL (IAG).....ILS Y or LOC Y Rwy 28R¹²

ILS Z or LOC Z Rwy 28R¹²

NDB Rwy 28R¹³

RNAV (GPS) Rwy 6³

RNAV (GPS) Rwy 10L³

RNAV (GPS) Y Rwy 24⁴

RNAV (GPS) Z Rwy 24³

RNAV (GPS) Rwy 28R³

TACAN Rwy 28R¹⁵

NA when local weather not available.

¹NA when control tower closed.

²ILS, LOC, Category D, 800-2¼.

³Category D, 800-2¼.

⁴Category C, 800-2¼; Category D, 800-2½.

⁵Category D, 800-2½, Category E 800-2¼.

OGDENSBURG, NY

OGDENSBURG

INTL (OGS).....RNAV (GPS) Rwy 9

RNAV (GPS) Rwy 27

NA when local weather not available.

Category D, 800-2¼.

PENN YAN, NY

PENN YAN/

YATES COUNTY (PEO).....RNAV (GPS) Rwy 1¹

RNAV (GPS) Rwy 19²

NA when local weather not available.

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

Category D, 1000-3.

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

PITTSBURGH, NJ

SKY MANOR (N40).....RNAV (GPS) Rwy 7

RNAV (GPS) Rwy 25

VOR Rwy 7

NA when local weather not available.

PLATTSBURGH, NY

PLATTSBURGH

INTL (PBG).....ILS or LOC Rwy 35¹

RNAV (GPS) Rwy 17²

RNAV (GPS) Rwy 35³

NA when local weather not available.

¹LOC, Category D, 800-2¼.

²Category D, 800-2¼; Category E, 900-3.

³Category D, 800-2¼.

POTSDAM, NY

POTSDAM MUNI/DAMON

FLD (PTD).....RNAV (GPS) Rwy 24

NA when local weather not available.

NAME

ALTERNATE MINIMUMS

POUGHKEEPSIE, NY

HUDSON VALLEY

RGNL (POU).....

ILS or LOC Rwy 6¹²

RNAV (GPS) Rwy 6³

RNAV (GPS) Rwy 24³

VOR-A⁴

VOR Rwy 24⁴

NA when local weather not available.

¹NA when control tower closed.

²LOC, Category C, 800-2½; Category D, 1000-3.

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

⁴Category C, 800-2½; Category D, 1000-3.

ROCHESTER, NY

FREDERICK DOUGLASS/GREATER

ROCHESTER INTL (ROC).....

ILS or LOC Rwy 4¹

ILS or LOC Rwy 22²

ILS or LOC Rwy 28³

RNAV (GPS) Rwy 4⁴

RNAV (GPS) Rwy 7⁴

RNAV (GPS) Rwy 10⁴

RNAV (GPS) Rwy 22⁴

RNAV (GPS) Rwy 25⁴

RNAV (GPS) Rwy 28⁴

VOR Rwy 4⁴

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

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

³ILS, Categories A, B, 700-2; Category C, 1000-2½; Category D, 1000-3. LOC, Category C, 1000-2½; Category D, 1000-3.

⁴Category C, 1000-2½; Category D, 1000-3.

ROME, NY

GRIFFISS INTL (RME).....

ILS or LOC Rwy 33¹²³

RNAV (GPS) Rwy 15³⁴

RNAV (GPS) Rwy 33⁴

¹NA when control tower closed.

²LOC, Category C, 900-2½; Category D, 1200-3.

³NA when local weather not available.

⁴Category C, 900-2½; Category D, 1200-3.

SARANAC LAKE, NY

ADIRONDACK

RGNL (SLK).....

ILS or LOC Rwy 23¹

RNAV (GPS) Rwy 5²

RNAV (GPS) Rwy 9²

RNAV (GPS) Rwy 23³

NA when local weather not available.

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

²Category A, 900-2; Category B, 1000-2; Category C, 1000-3; Category D, 1100-3.

³Category A, 900-2; Category B, 1000-2; Category C, 1000-3; Category D, 1200-3.

M5

A

NAME

ALTERNATE MINIMUMS

SCHENECTADY, NY

SCHENECTADY

COUNTY (SCH).....

RNAV (GPS) Rwy 4

NA when local weather not available.

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

SHIRLEY, NY

BROOKHAVEN (HWV).....

ILS or LOC Rwy 6

RNAV (GPS)-A

RNAV (GPS) Rwy 6

RNAV (GPS) Rwy 15

RNAV (GPS) Rwy 33

VOR Rwy 6

NA when local weather not available.

SKANEATELES, NY

SKANEATELES AÉRO

DROME (6B9).....

RNAV (GPS)-A

RNAV (GPS)-B

NA when local weather not available.

Category C, 800-2½.

SOMERVILLE, NJ

SOMERSET (SMQ).....

RNAV (GPS) Rwy 12¹

RNAV (GPS) Rwy 30²

VOR Rwy 8¹

NA when local weather not available.

¹Category B, 900-2.

²Categories A, B, 900-2.

SUSSEX, NJ

SUSSEX (FWN).....

RNAV (GPS) Rwy 3

NA when local weather not available.

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

SYRACUSE, NY

SYRACUSE HANCOCK

INTL (SYR).....

ILS or LOC Rwy 10¹

ILS or LOC Rwy 28¹

RNAV (GPS) Rwy 15²

RNAV (GPS) Rwy 33²

RNAV (GPS) Z Rwy 10²

RNAV (GPS) Z Rwy 28²

VOR Rwy 15²

TACAN Rwy 33²

NA when local weather not available.

¹LOC, Category D, 800-2½.

²Category D, 800-2½.

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ALTERNATE MINS

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NE-2

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02 OCT 2025 to 30 OCT 2025

02 OCT 2025 to 30 OCT 2025

NAME ALTERNATE MINIMUMS

TETERBORO, NJ

TETERBORO (TEB).....ILS or LOC Rwy 19¹
ILS Z or LOC Z Rwy 6¹
RNAV (GPS) Rwy 24²³
RNAV (GPS) X Rwy 6³
RNAV (GPS) X Rwy 19⁴
RNAV (GPS) Y Rwy 6³
RNAV (GPS) Y Rwy 19⁵

¹LOC, Category C, 900-2½; Category D, 1100-3.

²NA when local weather not available.

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

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

Category D, 1100-3.

⁵Categories A, B, C, D, 1100-4.

TRENTON, NJ

TRENTON
MERCER (TTN).....ILS or LOC Rwy 6¹
RNAV (GPS) Rwy 16²
RNAV (GPS) Rwy 34²
RNAV (GPS) Z Rwy 6²
RNAV (GPS) Z Rwy 24²³
VOR-A²³

¹LOC, Category D, 800-2½.

²Category D, 800-2½.

³NA when local weather not available.

WATERTOWN, NY

WATERTOWN
INTL (ART).....ILS or LOC Rwy 7¹³
RNAV (GPS) Rwy 7²³
RNAV (GPS) Rwy 10²
RNAV (GPS) Rwy 28²³
VOR Rwy 7³⁴

¹LOC, Category D, 800-2½.

²Category D, 800-2½.

³NA when local weather not available.

⁴Category D, 800-2½.

WELLSVILLE, NY

WELLSVILLE MUNI/TARANTINE
FLD (ELZ).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.

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

WESTHAMPTON BEACH, NY

FRANCIS S
GABRESKI (FOK).....ILS or LOC Rwy 24¹²
RNAV (GPS) Rwy 6³
RNAV (GPS) Rwy 15³
RNAV (GPS) Rwy 24³
RNAV (GPS) Rwy 33³
TACAN Rwy 6³
TACAN Rwy 24³

NA when local weather not available.

¹NA when control tower closed.

²LOC, Category D, 800-2½.

³Category D, 800-2½.

NAME ALTERNATE MINIMUMS

WHITE PLAINS, NY

WESTCHESTER
COUNTY (HPN).....ILS or LOC Rwy 16¹²
ILS or LOC Rwy 34¹²
RNAV (GPS) Y Rwy 16³
RNAV (GPS) Y Rwy 34³

¹NA when control tower closed.

²LOC, Category D, 800-2½.

³Category D, 800-2½.

WILDWOOD, NJ

CAPE MAY
COUNTY (WWD).....RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 19
RNAV (GPS) Rwy 28
VOR-A

Category D, 1000-3.

WILLIAMSON/SODUS, NY

WILLIAMSON/SODUS
(SDC).....RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.