

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

AHOSKIE, NC

TRI-COUNTY AT HENRY JOYNER
FLD (ASJ).....**RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19
NA when local weather not available.
Category D, 800-2½.

ALBEMARLE, NC

STANLY
COUNTY (VUJ).....**ILS or LOC Rwy 22L¹²**
NDB Rwy 22L³
RNAV (GPS) Rwy 4R³
RNAV (GPS) Rwy 22L³
NA when local weather not available.
¹NA when control tower closed.
²LOC, Category D, 800-2½.
³Category D, 800-2½.

ALLEDALE, SC

ALLEDALE
COUNTY (AQX).....**RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
VOR-A
NA when local weather not available.

NAME ALTERNATE MINIMUMS

ANDERSON, SC

ANDERSON RGNL (AND).....**ILS or LOC Rwy 5¹**
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 23²
RNAV (GPS) Rwy 35²
VOR Rwy 5²
NA when local weather not available.
¹LOC, Category D, 800-2¼.
²Category D, 800-2¼.

ASHEBORO, NC

ASHEBORO
RGNL (HBI).....**RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 21¹
Categories C, D, 1100-3.
¹NA when local weather not available.

ASHEVILLE, NC

ASHEVILLE
RGNL (AVL).....**ILS or LOC Rwy 17¹²**
ILS or LOC Rwy 35³⁴
RNAV (GPS) Rwy 17⁵
RNAV (GPS) Rwy 35⁵
¹NA when local weather not available.
²LOC, Category C, 1400-3; Category D, 1600-3.
³NA when control tower closed.
⁴ILS, Categories A, B, C, D, 900-4;
LOC, Categories A, B, 1100-2;
Category C, 1300-3; Category D, 1600-3.
⁵Category C, 1300-3; Category D, 1600-3.

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NAME ALTERNATE MINIMUMS

COLUMBIA, SC

COLUMBIA
METRO (CAE).....ILS or LOC Rwy 5¹
ILS or LOC Rwy 11¹
ILS or LOC Rwy 29²
RNAV (GPS) Rwy 5³
RNAV (GPS) Rwy 11³
RNAV (GPS) Rwy 23³
RNAV (GPS) Rwy 29³
VOR-A³

¹LOC, Category C, 900-2¼; Category D, 900-2½;
Category E, 900-2¾.

²LOC, Category C, 800-2¼; Category D, 800-2½;
Category E, 800-2¾.

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

CONCORD, NC

CONCORD-PADGETT
RGNL (JQF).....RNAV (GPS) Rwy 2
RNAV (GPS) Rwy 20
Category C, 800-2¼; Category D, 800-2½.

CONWAY, SC

CONWAY-HORRY
COUNTY (HYW).....RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
NA when local weather not available.

CURRITUCK, NC

CURRITUCK COUNTY
RGNL (ONX).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
NA when local weather not available.
Category D, 800-2¼.

DARLINGTON, SC

DARLINGTON
COUNTY (UDG).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
VOR-A
NA when local weather not available.
Category D, 900-2¾.

EDENTON, NC

NORTHEASTERN
RGNL (EDE).....ILS or LOC Rwy 19
RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 19
NA when local weather not available.

ELIZABETH CITY, NC

ELIZABETH CITY CG AIR STATION/
RGNL (ECG).....ILS or LOC Rwy 10¹²
VOR/DME Rwy 10¹
VOR/DME Rwy 19¹
VOR/DME Rwy 28³

¹NA when local weather not available.

²NA when control tower closed.

³NA when local altimeter not available.

NAME ALTERNATE MINIMUMS

ELIZABETHTOWN, NC

CURTIS L BROWN JR
FLD (EYF).....RNAV (GPS) Rwy 15
RNAV (GPS) Rwy 33
VOR/DME Rwy 15

NA when local weather not available.

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

ENGELHARD, NC

HYDE COUNTY (7W6).....RNAV (GPS) Rwy 11
NA when local weather not available.

ERWIN, NC

HARNETT RGNL
JETPORT (HRJ).....LOC Rwy 5
NDB Rwy 23
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
NA when local weather not available.

FAYETTEVILLE, NC

FAYETTEVILLE RGNL/GRANNIS
FLD (FAY).....ILS or LOC Rwy 4¹
LOC BC Rwy 22²
RNAV (GPS) Rwy 4²
RNAV (GPS) Rwy 22²
RNAV (GPS) Rwy 28²
VOR Rwy 4²
VOR Rwy 22²
VOR Rwy 28²

¹LOC, Category D, 800-2¼.

²Category D, 800-2¼.

FLORENCE, SC

FLORENCE
RGNL (FLO).....ILS or LOC Rwy 9¹²
RNAV (GPS) Rwy 1³
RNAV (GPS) Rwy 9³
RNAV (GPS) Rwy 19³
RNAV (GPS) Rwy 27³
VOR or TACAN-A³

NA when local weather not available.

¹NA when control tower closed.

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

³Category C, 800-2¼; Category D, 800-2½.

FRANKLIN, NC

MACON COUNTY (1A5).....RNAV (GPS)-A
NA when local weather not available.
Category A, 1600-2; Category B, 1800-2;
Category C, 2300-3.

GASTONIA, NC

GASTONIA
MUNI (AKH).....NDB Rwy 3¹
RNAV (GPS) Rwy 21²

¹Category C, 800-2¼.

²NA when local weather not available.

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NAME ALTERNATE MINIMUMS

GEORGETOWN, SC

GEORGETOWN
COUNTY (GGE).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23

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

GOLDSBORO, NC

WAYNE EXEC
JETPORT (GWW).....**ILS or LOC Rwy 23**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
RNAV (GPS)-A

NA when local weather not available.

GREENSBORO, NC

PIEDMONT TRIAD
INTL (GSO).....**ILS or LOC Rwy 5L**¹
ILS or LOC Rwy 5R¹
ILS or LOC Rwy 23L¹²
ILS or LOC Rwy 23R¹
ILS Y or LOC Y Rwy 32¹
ILS Z or LOC Z Rwy 32¹
RNAV (GPS) Rwy 5L²³
RNAV (GPS) Rwy 5R³
RNAV (GPS) Rwy 14³
RNAV (GPS) Rwy 23L³
RNAV (GPS) Rwy 23R²³
RNAV (GPS) Rwy 32³
VOR/DME Rwy 23L³

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

²NA when local weather not available.

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

GREENVILLE, NC

PITT-
GREENVILLE (PGV).....**RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 20
RNAV (GPS) Rwy 26

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

GREENVILLE, SC

DONALDSON
FLD (GYH).....**ILS or LOC Rwy 5**¹
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

NA when local weather not available.

¹LOC, Category E, 800-2½.

NAME ALTERNATE MINIMUMS

GREENVILLE, SC (CON'T)

GREENVILLE
DOWNTOWN (GMU).....**ILS or LOC Rwy 1**¹²³
RNAV (GPS) Rwy 1³⁴
RNAV (GPS) Rwy 10³⁵
RNAV (GPS) Rwy 19³⁵
RNAV (GPS) Rwy 28³⁵

¹NA when tower closed.

²LOC, Category D, 900-2¾.

³NA when local weather not available.

⁴Category C, 900-2¾.

⁵Category D, 900-2¾.

GREENWOOD, SC

GREENWOOD
COUNTY (GRD).....**RNAV (GPS) Rwy 9**
RNAV (GPS) Rwy 27

NA when local weather not available.
Category D, 800-2¾.

GREER, SC

GREENVILLE SPARTANBURG
INTL (GSP).....**ILS or LOC Rwy 4**¹²
ILS or LOC Rwy 22¹²
RNAV (GPS) Rwy 4³
RNAV (GPS) Rwy 22³

NA when local weather not available.

¹NA when control tower closed.

²LOC, Category D 800-2¾.

³Category D 800-2¾.

HICKORY, NC

HICKORY RGNL (HKY).....**ILS or LOC Rwy 24**¹²
RNAV (GPS) Rwy 6³
RNAV (GPS) Rwy 24³
VOR/DME Rwy 24³

NA when local weather not available.

¹NA when control tower closed.

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

³Category C, 900-2½; Category D, 900-2¾.

HILTON HEAD ISLAND, SC

HILTON HEAD (HXD).....**RNAV (GPS) Rwy 3**
NA when local weather not available.

JACKSONVILLE, NC

ALBERT J ELLIS (OAJ).....**ILS or LOC Rwy 5**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

NA when local weather not available.

NAME ALTERNATE MINIMUMS

JEFFERSON, NC

ASHE COUNTY (GEV).....**LOC Rwy 28¹**
RNAV (GPS) Rwy 28²

NA when local weather not available.

¹Categories A, B, 1200-2; Category C, 2000-3;
 Category D, 2100-3.

²Categories A, B, 1500-4; Category C, 2000-4;
 Category D, 2100-4.

KENANSVILLE, NC

DUPLIN CO (DPL).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23

Category D, 900-2½.

KILL DEVIL HILLS, NC

FIRST
 FLIGHT (FFA).....**RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 21

NA when local weather not available

KINGSTREE, SC

WILLIAMSBURG
 RGNL (CKI).....**RNAV (GPS) Rwy 14**
RNAV (GPS) Rwy 32

NA when local weather not available.

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

KINSTON, NC

KINSTON RGNL JETPORT AT
 STALLINGS FLD (ISO).....**ILS or LOC Rwy 5¹²**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

NA when local weather not available.

¹NA when control tower closed.

²Categories C, D, 700-2.

LANCASTER, SC

LANCASTER COUNTY-MC WHIRTER
 FLD (LKR).....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24

NA when local weather not available.

Category D, 800-2¼.

LEXINGTON, NC

DAVIDSON
 COUNTY EXEC (EXX).....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24

NA when local weather not available.

LINCOLNTON, NC

LINCOLNTON-LINCOLN COUNTY
 RGNL (IPJ).....**ILS Y or LOC Y Rwy 23¹²³**
ILS Z or LOC Z Rwy 23¹³⁵
RNAV (GPS) Rwy 5¹⁴
RNAV (GPS) Rwy 23⁴

¹NA when local weather not available.

²ILS, LOC, Category C, 800-2¼;
 Category D, 800-2½.

³NA when FBO closed.

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

⁵LOC, Category C, 800-2¼; Category D, 800-2½.

NAME ALTERNATE MINIMUMS

LOUISBURG, NC

TRIANGLE NORTH
 EXEC (LHZ).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23
VOR-A¹

NA when local weather not available.

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

LUMBERTON, NC

LUBERTON RGNL (LBT).....**ILS or LOC Rwy 5**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 23

NA when local weather not available.

MANTEO, NC

DARE COUNTY
 RGNL (MQI).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 23

NA when local weather not available.

MARION, SC

MARION
 COUNTY (MAO).....**RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 22

NA when local weather not available.

Category D, 900-2¾.

MAXTON, NC

LAURINBURG/
 MAXTON (MEB).....**ILS or LOC Rwy 5¹**
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23²³

¹LOC, Category D, 900-2½.

²Category D, 900-2½.

³NA when local weather not available.

MONCK'S CORNER, SC

BERKELEY
 COUNTY (MKS).....**RNAV (GPS) Rwy 23**

NA when local weather not available.

Category D, 800-2½.

MONROE, NC

CHARLOTTE/MONROE
 EXEC (EQY).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23

NA when local weather not available.

Category D, 800-2½.

MORGANTON, NC

FOOTHILLS RGNL (MRN).....**LOC Rwy 3**
RNAV (GPS) Rwy 3¹
RNAV (GPS) Rwy 21¹

NA when local weather not available.

¹Category D, 900-2¾.

NAME ALTERNATE MINIMUMS

MOUNT AIRY, NC

MOUNT AIRY/SURRY

COUNTY (MWK).....**RNAV (GPS) Rwy 18¹**
RNAV (GPS) Rwy 36

Category C, 1000-2½; Category D, 1100-3.

¹NA when local weather not available.

MOUNT OLIVE, NC

MOUNT OLIVE

MUNI (W40).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23

NA when local weather not available.

MOUNT PLEASANT, SC

MT PLEASANT RGNL-FAISON

FLD (LRO).....**RNAV (GPS) Rwy 17**
RNAV (GPS) Rwy 35
VOR/DME-A

NA when local weather not available.

MYRTLE BEACH, SC

MYRTLE BEACH

INTL (MYR).....**ILS or LOC Rwy 18¹²**
ILS or LOC Rwy 36¹²
RNAV (GPS) Rwy 18³
RNAV (GPS) Rwy 36³
RNAV (GPS)-A⁴
VOR-A⁴

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

²NA when control tower closed.

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

⁴Category D, 800-2½.

NEW BERN, NC

COASTAL CAROLINA

RGNL (EWN).....**ILS or LOC Rwy 4¹²**
RNAV (GPS) Rwy 4¹³
RNAV (GPS) Rwy 22³
VOR Rwy 22³

¹NA when local weather not available.

²LOC, Category D, 900-2½.

³Category D, 900-2½.

NEWBERRY, SC

NEWBERRY COUNTY (EOE).....**NDB Rwy 22¹**

RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22

NA when local weather not available.

¹NA when airport closed.

NAME ALTERNATE MINIMUMS

NORTH MYRTLE BEACH, SC

GRAND

STRAND (CRE).....**ILS or LOC Rwy 23¹**
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23²
VOR Rwy 5³
VOR Rwy 23²

NA when local weather not available.

¹LOC, Category D, 800-2½.

²Category D, 800-2½.

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

NORTH WILKESBORO, NC

WILKES

COUNTY (UKF).....**ILS Y or LOC Y Rwy 1¹**
ILS Z or LOC Z Rwy 1¹
RNAV (GPS) Rwy 1²
RNAV (GPS) Rwy 19²

NA when local weather not available.

¹LOC, Category D, 1000-3.

²Category D, 1000-3.

CAPE ISLAND, NC

CAPE FEAR RGNL JETPORT/HOWIE

FRANKLIN FIELD (SUT).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23

NA when local weather not available.

ORANGEBURG, SC

ORANGEBURG

MUNI (OGB).....**RNAV (GPS) Rwy 5¹**
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 23¹
RNAV (GPS) Rwy 35¹

NA when local weather not available.

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

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

OXFORD, NC

HENDERSON/OXFORD (HNZ).....**LOC Rwy 6**

RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24

NA when local weather not available.

Category D, 800-2½.

PINEHURST/SOUTHERN PINES, NC

MOORE

COUNTY (SOP).....**ILS Y or LOC Y Rwy 5¹**
ILS Z or LOC Z Rwy 5¹
RNAV (GPS) Rwy 5²³
RNAV (GPS) Rwy 23²³

¹LOC, Category D, 1000-3.

²Category D, 1000-3.

³NA when local weather not available.

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NAME ALTERNATE MINIMUMS

SUMTER, SC

SUMTER (SMS).....**ILS or LOC Rwy 23¹**
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 23²

NA when local weather not available.

¹LOC, Category C, 800-2¼; Category D, 800-2½.

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

SYLVA, NC

JACKSON

COUNTY (24A).....**RNAV (GPS) Rwy 33**

NA when local weather not available.

Category A, 1600-2; Category B, 1700-2.

UNION, SC

UNION COUNTY, TROY SHELTON

FLD (35A).....**RNAV (GPS) Rwy 23**

NA when local weather not available.

WADESBORO, NC

ANSON COUNTY/JEFF CLOUD

FLD (AFP).....**ILS or LOC Rwy 34¹**
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34²

NA when local weather not available.

¹ILS, Category C, 700-1¾; Category D, 700-2¼.

LOC, Category D, 800-2¼.

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

WALTERBORO, SC

LOWCOUNTRY

RGNL (RBW).....**ILS Y or LOC Y Rwy 23**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 35

NA when local weather not available.

WASHINGTON, NC

WASHINGTON-

WARREN (OCW).....**RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 35

NA when local weather not available.

Category D, 800-2½.

WHITEVILLE, NC

COLUMBUS COUNTY

RGNL (CPC).....**NDB Rwy 6**
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24

NA when local weather not available.

Category D, 800-2¼.

WILLIAMSTON, NC

MARTIN

COUNTY (MCZ).....**RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 21

NA when local weather not available.

Category D, 900-2½.

NAME ALTERNATE MINIMUMS

WILMINGTON, NC

WILMINGTON

INTL (ILM).....**ILS Y or LOC Rwy 6¹**
ILS Y or LOC Rwy 24¹
ILS Y or LOC Rwy 35²
RNAV (GPS) Rwy 6³
RNAV (GPS) Rwy 17³
RNAV (GPS) Rwy 24³
RNAV (GPS) Rwy 35³
TACAN-A³
¹ILS, Category C, 700-2; Category D, 900-3; LOC, Category D, 900-3.

²LOC, Category D, 900-3.

³Category D, 900-3.

WINNSBORO, SC

FAIRFIELD

COUNTY (FDW).....**RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 22

Category D, 800-2½.

WINSTON SALEM, NC

SMITH

REYNOLDS (INT).....**ILS or LOC Rwy 33¹²**
RNAV (GPS) Rwy 15³
RNAV (GPS) Rwy 33³

NA when local weather not available.

¹NA when control tower closed.

²LOC, Category D, 800-2½.

³Category D, 800-2½.