INSTRUMENT APPROACH PROCEDURE CHARTS

IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non-precision approaches and approaches with vertical guidance [NDB, VOR, LOC, TACAN, LDA, SDF, VOR/DME, ASR, RNAV (GPS) or RNAV (RNP)] are 800-2. Standard alternate minimums for precision approaches (ILS, PAR, or GLS) are 600-2. Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Civil pilots see FAR 91. IFR Alternate Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

AHOSKIE, NC
TRI-COUNTY (ASJ) ..... **RNAV (GPS) Rwy 1**
RNAV (GPS) Rwy 19
VOR/DME-A
NA when local weather not available.
Category D, 800-2½.

ALBEMARLE, NC
STANLY
COUNTY (VUJ) .....**ILS or LOC Rwy 22L**[12]
NDB Rwy 22L[1]
RNAV (GPS) Rwy 4R
RNAV (GPS) Rwy 22L
NA when local weather not available.
[1]NA when control tower closed.
[2]ILS, Categories A, B, C, D, 700-2.

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

ANDERSON, SC
ANDERSON
RGNL (AND) .....**ILS or LOC Rwy 5**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 17[1]
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 35[1]
VOR Rwy 5
NA when local weather not available.
[1]Category D, 800-2¼.

ASHEBORO, NC
ASHEBORO
RGNL (HBI)..... **RNAV (GPS) Rwy 3**
Categories A, B, 900-2; Category C, 900-2½; Category D, 1100-3.

NAME ALTERNATE MINIMUMS

ASHEVILLE, NC
ASHEVILLE
RGNL (AVL)..... **ILS or LOC Rwy 35**[12]
RNAV (GPS) Rwy 17[3]
RNAV (GPS) Rwy 35[3]
[1]NA when control tower closed.
[2]ILS, LOC, Categories A, B, 1000-2; Category C, 1200-3; Category D, 1500-3.
[3]Category C, 1200-3; Category D, 1500-3.

BARNWELL, SC
BARNWELL
RGNL (BNL).....**RNAV (GPS) Rwy 17**
NA when local weather not available.

BEAUFORT, NC
MICHAEL J.
SMITH FIELD (MRH) .....**RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 21
RNAV (GPS) Rwy 26
RNAV (GPS) Rwy 32
NA when local weather not available.

BEAUFORT, SC
BEAUFORT
COUNTY (ARW) .....**RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25
NA when local weather not available.

BENNETTSVILLE, SC
MARLBORO COUNTY JETPORT-H E AVENT
FIELD (BBP) .....**RNAV (GPS) Rwy 7**
RNAV (GPS) Rwy 25
NA when local weather not available.

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NAME ALTERNATE MINIMUMS

BURLINGTON, NC

BURLINGTON-ALAMANCE RGNL (BUY) ..... **RNAV (GPS) Rwy 6[1]**
RNAV (GPS) Rwy 24[1]
VOR/DME-A

NA when local weather not available.
[1]Category C, 1000-2¾, Category D, 1000-3.

CHARLESTON, SC

CHARLESTON AFB/INTL (CHS) ..... **ILS or LOC Rwy 15[1]**
ILS or LOC/DME Rwy 33[1]
VOR/DME or TACAN Rwy 3[2]
VOR/DME or TACAN Rwy 21[2]

[1]ILS, Category E, 700-2½; LOC, Category E, 800-2½.
[2]Category E, NA.

CHARLESTON EXECUTIVE (JZI) ..... **ILS or LOC Rwy 9**
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27

NA when local weather not available.

CHARLOTTE, NC

CHARLOTTE/DOUGLAS INTL (CLT) ..... **ILS or LOC Rwy 18L[2]**
ILS or LOC Rwy 18R[2]
ILS or LOC Rwy 23[1]
ILS or LOC Rwy 36L[2]
ILS or LOC Rwy 36R[2]
RNAV (GPS) Y Rwy 18L[3]
RNAV (GPS) Y Rwy 18R[3]
RNAV (GPS) Y Rwy 36L[3]
RNAV (GPS) Y Rwy 36R[3]

[1]ILS, Categories A, B, C, D, 700-2.
[2]ILS, LOC, Category C, 800-2¼; Category D, 800-2½.
[3]Category C, 800-2¼; Category D, 800-2½.

CHERAW, SC

CHERAW MUNI/LYNCH BELLINGER FIELD (CQW) ..... **RNAV (GPS) Rwy 26**
VOR/DME Rwy 8

NA when local weather not available.
Category C, 900-2½; Category D, 900-2¾.

CHESTER, SC

CHESTER CATAWBA RGNL (DCM) ..... **NDB Rwy 35[1]**
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35

NA when local weather not available.
[1]Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

CLEMSON, SC

OCONEE COUNTY RGNL (CEU) ..... **NDB Rwy 25**
RNAV (GPS) Rwy 7[1]
RNAV (GPS) Rwy 25[1]

NA when local weather not available.
[1]Category C, 800-2¼.

CLINTON, NC

CLINTON-SAMPSON COUNTY (CTZ) ..... **LOC Rwy 6**
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy Y 24
RNAV (GPS) Rwy Z 24
VOR/DME-A

NA when local weather not available.

COLUMBIA, SC

COLUMBIA METROPOLITAN (CAE) ..... **ILS or LOC Rwy 5[1]**
ILS or LOC Rwy 11[2]
ILS or LOC Rwy 29[2]

[1]ILS, Categories A, B, 800-2; Category C, 800-2¼; Category D, 800-2½; LOC, Category C 800-2¼; Category D, 800-2½.
[2]ILS, Categories C, D, 700-2.

CONCORD, NC

CONCORD RGNL (JQF) ..... **ILS or LOC Rwy 20[1]**
RNAV (GPS) Rwy 2[2]
RNAV (GPS) Rwy 20[1]

NA when local weather not available.
[1]Category D, 800-2½.
[2]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.

DARLINGTON, SC

DARLINGTON COUNTY (UDG) ..... **RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23
VOR/DME-A

NA when local weather not available.

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NAME ALTERNATE MINIMUMS

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 10**[123]
RNAV (GPS) Rwy 10[1]
RNAV (GPS) Rwy 19[1]
RNAV (GPS) Rwy 28[1]
VOR/DME Rwy 1[1]
VOR/DME Rwy 10[1]
VOR/DME Rwy 19[1]
VOR/DME Rwy 28[4]
[1]NA when local weather not available.
[2]ILS, Category D 700-2.
[3]ILS, LOC, NA when control tower closed.
[4]NA when local altimeter not available.

ELIZABETHTOWN, NC
CARL L BROWN JR
FIELD (EYF)..... **RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
VOR/DME Rwy 15
NA when local weather not available.

ERWIN, NC
HARNETT RGNL
JETPORT (HRJ).....**LOC/DME Rwy 5**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
NA when local weather not available.

FAYETTEVILLE, NC
FAYETTEVILLE RGNL/GRANNIS
FIELD (FAY)..... **ILS or LOC/DME Rwy 4**[2]
RNAV (GPS) Rwy 4[3]
RNAV (GPS) Rwy 22[3]
VOR Rwy 22[1]
[1]NA when local weather not available.
[2]ILS, Category C, 700-2; Category D, 700-2¼.
LOC, Category D, 800-2¼.
[3]Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

FLORENCE, SC
FLORENCE
RGNL (FLO)..... **ILS or LOC Rwy 9**[12]
RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 19
RNAV (GPS) Rwy 27
VOR or TACAN-A
NA when local weather not available.
[1]ILS, Categories A, B, C, 700-2; Category D, 700-2¼. LOC, Category D, 800-2¼.
[2]NA when control tower closed.

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

GASTONIA, NC
GASTONIA MUNI (AKH).....**RNAV (GPS) Rwy 21**
NA when local weather not available.

GEORGETOWN, SC
GEORGETOWN
COUNTY (GGE) ..... **NDB Rwy 5**[1]
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
NA when local weather not available.
Category D, 800-2¼.
[1]NA when FBO closed.

GOLDSBORO, NC
WAYNE EXECUTIVE
JETPORT (GWW).....**ILS or LOC Rwy 23**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
VOR-A
NA when local weather not available.

GREENSBORO, NC
PIEDMONT TRIAD
INTL (GSO)..... **ILS Y or LOC/DME Y Rwy 32**[1]
ILS Z or LOC/DME Z Rwy 32[1]
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 32[1]
NA when local weather not available.
[1]Category C, 800-2¼; Category D, 800-2½.

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NAME ALTERNATE MINIMUMS

GREENVILLE, NC

PITT-
GREENVILLE (PGV) ..... **ILS Y or LOC Y Rwy 20[1]**
ILS Z or LOC Z Rwy 20[1]
RNAV (GPS) Rwy 2[2]
RNAV (GPS) Rwy 8
RNAV (GPS) Rwy 20[2]
RNAV (GPS) Rwy 26

NA when local weather not available.
[1]ILS Category C, 700-2; Category D, 800-2¼. LOC, Category D, 800-2¼.
[2]Category D, 800-2½.

GREENVILLE, SC

DONALDSON
FIELD (GYH) ..... **ILS or LOC Rwy 5**

NA when local weather not available.
NA when control tower closed.

GREENVILLE
DOWNTOWN (GMU) ..... **ILS or LOC Rwy 1[12,3]**
ILS Y or LOC Y Rwy 1[125]
ILS Z or LOC Z Rwy 1[125]
RNAV (GPS) Rwy 1[24]
RNAV (GPS) Rwy 10[26]
RNAV (GPS) Rwy 19[26]
RNAV (GPS) Rwy 28[26]
RADAR-1[14]

[1]NA when control tower closed.
[2]NA when local weather not available.
[3]ILS, Category D, 700-2. LOC, Category D, 800-2¼.
[4]Category D, 800-2¼.
[5]ILS, Category C, 800-2; Category D, 2¾; LOC, Category D, 900-2¾.
[6]Category D, 900-2¾.

GREENWOOD, SC

GREENWOOD
COUNTY (GRD) ..... **NDB or GPS Rwy 27**
VOR OR GPS Rwy 9

NA when local weather not available.

GREER, SC

GREENVILLE-SPARTANBURG
INTL (GSP)..... **ILS or LOC/DME Rwy 4[1]**
ILS or LOC Rwy 22[1]
RADAR-1
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22

NA when local weather not available.
[1]NA when control tower closed.

NAME ALTERNATE MINIMUMS

HICKORY, NC

HICKORY RGNL (HKY) ..... **ILS or LOC Rwy 24[1]**
RNAV (GPS) Rwy 1
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 19
RNAV (GPS) Rwy 24

NA when local weather not available.
[1]NA when control tower closed.

HILTON HEAD ISLAND, SC

HILTON HEAD (HXD) ..... **VOR/DME-A**

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

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.

JEFFERSON, NC

ASHE COUNTY (GEV) ..... **LOC Rwy 28**
RNAV (GPS) Rwy 28

Categories A, B, 1100-2; Category C, 1100-3; Category D, 1500-3.
NA when local weather not available.

KENANSVILLE, NC

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

NA when local weather not available.

KINGSTREE, SC

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

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

KINSTON, NC

KINSTON RGNL JETPORT AT
STALLINGS FIELD (ISO)..... **ILS or LOC Rwy 5[12]**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
VOR Rwy 23

NA when local weather not available.
[1]NA when control tower closed.
[2]Categories C, D, 700-2.

LANCASTER, SC

LANCASTER COUNTY-MC WHIRTER
FIELD (LKR) ..... **RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24
VOR/DME-A[1]

NA when local weather not available.
[1]Categories A, B, 900-2; Category C, 900-2½; Category D, 900-2¾.

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NAME ALTERNATE MINIMUMS

LAURENS, SC
LAURENS COUNTY (LUX) .. **RNAV (GPS) Rwy 8**
RNAV (GPS) Rwy 26
NA when local weather not available.

LEXINGTON, NC
DAVIDSON
COUNTY (EXX)..... **RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24
VOR/DME Rwy 24
NA when local weather not available.

LINCOLNTON, NC
LINCOLNTON-LINCOLN COUNTY
RGNL (IPJ)..... **ILS Y or LOC Y Rwy 23**[23]
ILS Z or LOC Z Rwy 23[23]
NDB Rwy 23[1]
RNAV (GPS) Rwy 5[1]
RNAV (GPS) Rwy 23[3]
NA when local weather not available.
[1]Category C, 800-2¼; Category D, 800-2½.
[2]NA when FBO closed.
[3]Category C, 800-2¼; Category D, 800-2½.

LOUISBURG, NC
TRIANGE NORTH
EXECUTIVE (LHZ)..... **RNAV (GPS) Rwy 5**[1]
RNAV (GPS) Rwy 23[1]
VOR/DME-A[2]
[1]NA when local weather not available.
[2]Category D 800-2-¼.

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)..... **NDB Rwy 4**
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
VOR/DME-A
NA when local weather not available.
Category D, 900-2¾.

NAME ALTERNATE MINIMUMS

MAXTON, NC
LAURINBURG-
MAXTON (MEB) ..... **ILS or LOC Rwy 5**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
NA when local weather not available.

MONROE, NC
CHARLOTTE-MONROE
EXECUTIVE (EQY)..... **RNAV (GPS) Rwy 5**
RNAV (GPS) Rwy 23
NA when local weather not available.

MORGANTON, NC
FOOTHILLS RGNL (MRN)..... **LOC Rwy 3**
RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21
NA when local weather not available.

MOUNT AIRY, NC
MOUNT AIRY/SURRY
COUNTY (MWK)..... **RNAV (GPS) Rwy 18**
RNAV (GPS) Rwy 36
NA when local weather not available.
Category C, 900-2½; Category D, 1000-3.

MOUNT PLEASANT, SC
MT PLEASANT RGNL-
FAISON FIELD (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 18**[1]
ILS or LOC Rwy 36[1]
RNAV (GPS) Rwy 18[2]
RNAV (GPS) Rwy 36[2]
RNAV (GPS)-A[2]
[1]ILS, Category C, 800-2; Category D, 800-2¼; Category E, 800-2½. LOC, Category D, 800-2¼, Category E, 800-2½.
[2]Category D, 800-2¼; Category E, 800-2½.

NEW BERN, NC
COASTAL CAROLINA
RGNL (EWN) ..... **ILS or LOC Rwy 4**[1]
RNAV (GPS) Rwy 4[2]
RNAV (GPS) Rwy 22
VOR Rwy 22
NA when local weather not available.
[1]ILS, LOC, Category D, 1100-3.
[2]Category D, 1100-3.

NAME ALTERNATE MINIMUMS

NEWBERRY, SC
NEWBERRY COUNTY (EOE)..... **NDB Rwy 22**
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
NA when local weather not available.

NORTH MYRTLE BEACH, SC
GRAND STRAND
(CRE) ..... **ILS or LOC/DME Rwy 23[1]**
RNAV (GPS) Rwy 5[2]
RNAV (GPS) Rwy 23[2]
VOR Rwy 5[2]
VOR Rwy 23[2]
NA when local weather not available.
[1]ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.
[2]Category D, 800-2¼.

OAK 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 5[1]**
RNAV (GPS) Rwy 17[2]
RNAV (GPS) Rwy 23[1]
RNAV (GPS) Rwy 35[1]
NA when local weather not available.
[1]Category D, 800-2¼.
[2]Category D, 800-2½.

OXFORD, NC
HENDERSON-OXFORD (HNZ) .....**LOC Rwy 6**
NDB 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/DME Y Rwy 5[1]**
ILS Z or LOC/DME Z Rwy 5
RNAV (GPS) Rwy 5[2]
RNAV (GPS) Rwy 23[2]
NA when local weather not available.
[1]ILS, Category C, 700-2; Category D, 1000-3; LOC, Category D, 1000-3.
[2]Category D, 1000-3.

NAME ALTERNATE MINIMUMS

RALEIGH/DURHAM, NC
RALEIGH-DURHAM
INTL (RDU).....**ILS or LOC Rwy 5L[1]**
ILS or LOC Rwy 5R[1]
ILS or LOC Rwy 23L[2]
ILS or LOC Rwy 23R[2]
VOR Rwy 32[3]
[1]ILS, Category D, 700-2.
[2]ILS, Categories A,B, 800-2; Category C, 800-2¼; Category D, 800-2½. LOC, Category C, 800-2¼; Category D, 800-2½.
[3]Category C, 800-2¼; Category D, 800-2½.

REIDSVILLE, NC
ROCKINGHAM COUNTY NC
SHILOH (SIF).....**NDB Rwy 31**
RNAV (GPS) Rwy 13
RNAV (GPS) Rwy 31
NA when local weather not available.

ROANOKE RAPIDS, NC
HALIFAX-NORTHAMPTON
RGNL (IXA).....**RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20
VOR/DME Rwy 2
NA when local weather not available.

ROCK HILL, SC
ROCK HILL/YORK CO/
BRYANT FIELD (UZA)..... **RNAV (GPS) Rwy 2[1]**
RNAV (GPS) Rwy 20
NA when local weather not available.
[1]Category D, 800-2¼.

ROCKINGHAM, NC
RICHMOND
COUNTY (RCZ) .....**RNAV (GPS) Rwy 32**
NA when local weather not available.

ROCKY MOUNT, NC
ROCKY MOUNT-
WILSON RGNL (RWI).....**RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 22
VOR/DME Rwy 22
NA when local weather not available.

ROXBORO, NC
PERSON
COUNTY (TDF) .....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24
NA when local weather not available.

NAME ALTERNATE MINIMUMS

RUTHERFORDTON, NC
RUTHERFORD CO/MARCHMAN
FIELD (FQD) ..... **RNAV (GPS) Rwy 1**
NA when local weather not available.
Category D, 800-2½.

SANFORD, NC
RALEIGH EXECUTIVE JETPORT AT SANFORD
-LEE COUNTY (TTA) ..... **RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 21
NA when local weather not available.
Category D, 800-2¼.

SALISBURY, NC
ROWAN
COUNTY (RUQ)..... **RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20
NA when local weather not available.

SHELBY, NC
SHELBY-CLEVELAND
COUNTY RGNL (EHO) ..... **NDB Rwy 23**[1]
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
NA when local weather not available.
[1]Category C, 800-2¼; Category D, 800-2½.

SILER CITY, NC
SILER CITY
MUNI (SCR) ..... **RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 22
VOR-A[1]
NA when local weather not available.
[1]Category C, 800-2¼.

SMITHFIELD, NC
JOHNSTON
RGNL (JNX) ..... **RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 21
NA when local weather not available.
Category C, 800-2¼; Category D, 1000-3.

SPARTANBURG, SC
SPARTANBURG DOWNTOWN
MEMORIAL (SPA).....**ILS or LOC Rwy 5**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
NA when local weather not available.

NAME ALTERNATE MINIMUMS

STATESVILLE, NC
STATESVILLE
RGNL (SVH) .....**ILS or LOC/DME Y Rwy 28**[1]
ILS or LOC/DME Z Rwy 28[1]
RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28
VOR/DME Rwy 10
NA when local weather not available.
[1]NA when FBO closed.

SUMMERVILLE, SC
SUMMERVILLE (DYB).....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24
NA when local weather not available.
Categories A, B, 900-2; Category C, 900-2¼.

SUMTER, SC
SUMTER (SMS)..... **ILS or LOC/DME Rwy 23**
RNAV (GPS) Rwy 5[1]
RNAV (GPS) Y Rwy 23
RNAV (GPS) Z Rwy 23
NA when local weather not available.
[1]Category C, 800-2¼; Category D, 800-2½.

WADESBORO, NC
ANSON COUNTY-JEFF CLOUD
FIELD (AFP) .....**ILS or LOC Rwy 34**[1]
RNAV (GPS) Rwy 16[2]
RNAV (GPS) Rwy 34[2]
NA when local weather not available.
[1]ILS, Category C, 700-1 7/8; Category D, 700-2¼. LOC, Category D, 800-2¼.
[2]Category D, 800-2¼.

WALTERBORO, SC
LOWCOUNTRY
RGNL (RBW) .....**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 17
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 35
VOR/DME Rwy 5[1]
NA when local weather not available.
[1]Categories C, D, 800-2½.

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WHITEVILLE, NC

COLUMBUS COUNTY
MUNI (CPC) ..... **NDB Rwy 6**
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24[1]

NA when local weather not available.
[1]Category D, 800-2¼.

WILMINGTON, NC

WILMINGTON
INTL (ILM) ..... **ILS Y or LOC/DME Rwy 6**[2]
ILS Y or LOC Rwy 24[2]
ILS Y or LOC Rwy 35[12]
RADAR-1[13]
RNAV (GPS) Rwy 6[3]
RNAV (GPS) Rwy 17[3]
RNAV (GPS) Rwy 24[3]
RNAV (GPS) Rwy 35[3]
TACAN-A[3]

[1]NA when control tower closed.
[2]ILS, Category C, 700-2; Category D, 900-3; LOC, Category D, 900-3.
[3]Category D, 900-3.

WINNSBORO, SC

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

NA when local weather not available.

WINSTON-SALEM, NC

SMITH
REYNOLDS (INT) ..... **ILS or LOC Rwy 33**[12]
RNAV (GPS) Rwy 15[3,4]
RNAV (GPS) Rwy 33[3,5]
VOR/DME Rwy 15[5]

[1]NA when control tower closed.
[2]ILS,Categories B,C, 700-2,Category D, 800-2½. LOC, Category D, 800-2½.
[3]NA when local weather not available.
[4]Category D, 800-2¼.
[5]Category D, 800-2½.

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR takeoff minimums other than standard, are listed below. Takeoff Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are textually described below, or published separately as a graphic procedure. If the ODP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or the applicable military volume, as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not specifically assigned an ODP, SID, or radar vector as part of an IFR clearance, an ODP may be required to be flown for obstacle clearance, even though not specifically stated in the IFR clearance. When doing so in this manner, ATC should be informed when the ODP being used contains a specified route to be flown, restrictions before turning, and/or altitude restrictions.

Some ODPs, which are established solely for obstacle avoidance, require a climb in visual conditions to cross the airport, a fix, or a NAVAID in a specified direction, at or above a specified altitude. These procedures are called Visual Climb Over Airport (VCOA). To ensure safe and efficient operations, the pilot must verbally request approval from ATC to fly the VCOA when requesting their IFR clearance.

At some locations where an ODP has been established, a diverse vector area (DVA) may be created to allow radar vectors to be used in lieu of an ODP. DVA information will state that headings will be as assigned by ATC and climb gradients, when applicable, will be published immediately following the specified departure procedure.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard takeoff rules and establishes takeoff minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) takeoff minima are published below. For military takeoff minima, refer to appropriate service directives.

NAME TAKEOFF MINIMUMS

AHOSKIE, NC

TRI-COUNTY (ASJ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 11125 (FAA)

NOTE: **Rwy 1,** trees beginning at DER, 219' left of centerline, up to 100' AGL/169' MSL. Vehicles on road beginning 206' from DER, 443' left of centerline, up to 10' AGL/79' MSL. Trees beginning 457' from DER, 461' right of centerline, up to 100' AGL/169' MSL. Power lines beginning 5130' from DER, 1827' right of centerline, up to 150' AGL/219' MSL. **Rwy 19,** vehicles on road 234' from DER, 502' right of centerline, up to 10' AGL/79' MSL. Vehicles on road beginning 244' from DER, left and right of centerline, up to 15' AGL/84' MSL. Trees beginning 717' from DER, 626' right of centerline, up to 100' AGL/169' MSL. Trees beginning 277' from DER, 244' left of centerline, up to 100' AGL/169' MSL.

NAME TAKEOFF MINIMUMS

AIKEN, SC

AIKEN MUNI (AIK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 08045 (FAA)

TAKEOFF MINIMUMS: **Rwy 1,**200-1¼ or std. w/ min. climb of 220' per NM to 800, or alternatively, with std. takeoff min. and a normal 200' NM climb gradient, takeoff must occur no later than 1400' prior to DER.

DEPARTURE PROCEDURE: **Rwy 19,** climb heading 186° to 1100 before turning west.

NOTE: **Rwy 1**, terrain 74' from DER, 9' left of centerline, 496' MSL. Numerous trees beginning 169' from DER, 35' left of centerline, up to 100' AGL/659' MSL. Tree 6,023' from DER, 1,609' left of centerline, up to 100' AGL/649' MSL. Terrain beginning 75' from DER, 246' right of centerline up to 496' MSL. Numerous trees beginning 1322' from DER, 241' right of centerline, up to 100' AGL/609' MSL. **Rwy 7,** terrain beginning 51' from DER, 207' right of centerline up to 499' MSL. Numerous trees beginning 1230' from DER, 550' right of centerline, up to 100' AGL/609' MSL. Numerous trees beginning 1601' from DER, 731' left of centerline, up to 56' AGL/563' MSL. **Rwy 19,** numerous trees beginning at DER, 110' right of centerline, up to 100' AGL/629' MSL. numerous trees beginning 6' from DER, 82' left of centerline, up to 100' AGL/639' MSL. **Rwy 25,** tree 1244' from DER, 766' right of centerline, 73' AGL/572' MSL. Tree 1506' from DER, 661' left of centerline, 72' AGL/561' MSL.

ALBEMARLE, NC
STANLY COUNTY (VUJ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 11321 (FAA)
TAKEOFF MINIMUMS: **Rwys 4L, 22R,** NA - VFR runway. **Rwy 4R,** 300-1½ or std. w/min. climb of 276' per NM to 1000.
NOTE: **Rwy 4R,** tree 4312' from DER, 374' right of centerline, 78' AGL/692' MSL. Tree 1.2 NM from DER, 2063' left of centerline, 98' AGL/837' MSL. **Rwy 22L,** trees beginning 190' from DER, 142' right of centerline, up to 82' AGL/682' MSL. Railroad 438' from DER, 403' right of centerline, 23' AGL/620' MSL.

ALLENDALE, SC
ALLENDALE COUNTY (AQX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 13290 (FAA)
NOTE: **Rwy 17,** trees beginning 11' from DER, 366' right of centerline, up to 100' AGL/222' MSL. Vehicles on roadway beginning 293' from DER, 558' left of centerline, up to 15' AGL/164' MSL. Trees 342' from DER, 577' left of centerline, up to 100' AGL/214' MSL. Trees beginning 1962' from DER, 603' left of centerline, up to 100' AGL/246' MSL. **Rwy 35,** trees beginning 38' from DER, 306' right of centerline, up to 100' AGL/269' MSL. Trees beginning 95' from DER, 324' left of centerline, up to 100' AGL/289' MSL.

ANDERSON, SC
ANDERSON RGNL (AND)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07018 (FAA)
NOTE: **Rwy 5,** multiple trees beginning 1282' from DER, 172' right of centerline, up to 93' AGL/879' MSL. Multiple trees beginning 85' from DER, 299' left of centerline, up to 89'AGL/878' MSL. **Rwy 17,** multiple trees beginning 1017' from DER, 25' right of centerline, up to 73' AGL/800' MSL. Multiple trees beginning 3' from DER, 47' left of centerline, up to 77' AGL/820' MSL. **Rwy 23,** transmission line tower and multiple trees beginning 1186' from DER, 552' left of centerline, up to 100' AGL/890' MSL. **Rwy 35,** multiple trees beginning 131' from DER, 279' right of centerline, up to 87' AGL/854' MSL. Ceilometer and tree beginning 257' from DER, 319' left of centerline, up to 73' AGL/820' MSL.

ANDREWS, NC
WESTERN CAROLINA RGNL (RHP)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 10014 (FAA)
TAKEOFF MINIMUMS: **Rwys 8, 26,** max. 180 KIAS 3400-2, max. 210 KIAS 3400-2½, max. 250 KIAS 3400 -3.
DEPARTURE PROCEDURE: **Rwys 8, 26,** procedure NA at night. Remain within 3 NM of Western Carolina RGNL while climbing in visual conditions to cross airport westbound at or above 4900. Then climb to 7000 via heading 251° and HARRIS (HRS) VORTAC R-356 to HRS VORTAC before proceeding on course.

ANDREWS, SC
ROBERT F. SWINE (PHH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 02276 (FAA)
TAKEOFF MINIMUMS: **Rwy 18,** 300-1. **Rwy 36,** 400-1.
DEPARTURE PROCEDURE: **Rwys 18, 36,** climb runway heading to 500 before turning left.
NOTE: **Rwy 18,** tower 165' from DER, 500' right of centerline, 118' AGL/145' MSL. Tree 630' from DER, 350' left of centerline, 87' AGL/114' MSL. Water tank 340' from DER, 1040' right of centerline, 129' AGL/156' MSL. **Rwy 36,** tree 60' from DER, 500' left of centerline, 67' AGL/85'MSL. Tree 10' from DER, 210' right of centerline, 55' AGL/73' MSL. Tree 10' from DER, 190' left of centerline, 32' AGL/50' MSL. Tree 720' from DER, 265' right of centerline, 34' AGL/61' MSL.

ASHEBORO, NC
ASHEBORO RGNL (HBI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 02332 (FAA)
TAKEOFF MINIMUMS: **Rwy 3,** std. with a min. climb of 230' per NM to 1200. **Rwy 21,** 400-2 or std. with a min. climb of 340' per NM to 1200.
DEPARTURE PROCEDURE: **Rwy 21,** climb runway heading to 1500 before turning southeast.

ASHEVILLE, NC
ASHEVILLE RGNL (AVL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 15344 (FAA)
TAKEOFF MINIMUMS: **Rwy 17,** std. w/ min. climb of 250' per NM to 4600 or 3600-3 for VCOA. **Rwy 35,** std. w/ min. climb of 410' per NM to 5700 or 3600-3 for VCOA.
DEPARTURE PROCEDURE: **Rwy 17,** climb heading 167° to 4600 before proceeding on course. **Rwy 35,** climb heading 347° to 5700 before proceeding on course.
VISUAL CLIMB: **Rwy 17,** obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Asheville Rgnl airport at or above 5600 before proceeding on course. Note: VCOA NA at night. **Rwy 35,** obtain ATC approval for VCOA when requesting IFR clearance. For climb in visual conditions to cross Asheville Rgnl airport at or above 5600 before proceeding on course. Note: VCOA NA at night.
NOTE: **Rwy 17,** trees beginning 79' from DER, 452' right of centerline, up to 73' AGL/2144' MSL. **Rwy 35,** vehicle on road 44' from DER, 202' left of centerline, 15' AGL/2166' MSL. Trees beginning 65' from DER, 245' left of centerline, up to 92' AGL/2232' MSL. Trees beginning 701' from DER, 16' left of centerline, up to 65' AGL/2197' MSL.

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BAMBERG, SC
BAMBERG COUNTY (99N)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 11013 (FAA)
TAKEOFF MINIMUMS: **Rwy 5,** 400-2½ or std. w/ min. climb of 259' per NM to 800.
NOTE: **Rwy 5,** trees beginning at DER, 500' left/right of centerline, up to 100' AGL/329' MSL. Power lines 2,527' from DER, crossing centerline, up to 100' AGL/319' MSL. Tower 2 NM from DER, 2738' right of centerline, 380' AGL/627' MSL. **Rwy 23,** trees beginning at DER, 500' left of centerline, up to 100' AGL/319' MSL.

BARNWELL, SC
BARNWELL RGNL (BNL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 07214 (FAA)
TAKEOFF MINIMUMS: **Rwy 17,** 300-2½ or std. w/ min. climb of 241' per NM to 800.
DEPARTURE PROCEDURE: **Rwy 17,** climb heading 165° to 1100 before turning. **Rwy 23,** climb heading 230° to 1100 before turning south.
NOTE: **Rwy 5,** trees beginning 1959' from DER, 506' right of centerline, up to 100' AGL/329' MSL. Trees beginning 2458' from DER, 440' left of centerline, up to 100' AGL/359' MSL. **Rwy 17,** trees beginning 3225' from DER, 1092' right of centerline, up to 100' AGL/339' MSL. Tower 1.9 NM from DER, 3064' left of centerline, 366' AGL/544' MSL. **Rwy 23,** trees beginning 717' from DER, 237' right of centerline, up to 100' AGL/339' MSL. Trees beginning 971' from DER, 254' left of centerline, 100' AGL/349' MSL. Tree 2933' from DER, 559' left of centerline, 100' AGL/319' MSL. **Rwy 35,** trees beginning 948' from DER, 570' left of centerline, up to 100' AGL/349' MSL. Trees beginning 2805' from DER, 440' right of centerline, up to 100' AGL/359' MSL.

BEAUFORT, NC
MICHAEL J. SMITH FIELD (MRH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 13122 (FAA)
TAKEOFF MINIMUMS: **Rwy 21,** 300-1 or std. w/ min. climb of 740' per NM to 300.
NOTE: **Rwy 3**, tree 41' from DER, 379' left of centerline, 58' AGL/64' MSL. Trees beginning 1030' from DER, 351' right of centerline, up to 54' AGL/62' MSL. Trees beginning 1873' from DER, 21' left of centerline, up to 100' AGL/109' MSL. Tree 2070' from DER, 106' right of centerline, 80' AGL/86' MSL. Tree 3039' from DER, 613' right of centerline, 100' AGL/114' MSL. **Rwy 8**, trees beginning 447' from DER, 140' left of centerline, up to 31' AGL/51' MSL. Tree 3609' from DER, 577' left of centerline, 100' AGL/104' MSL. **Rwy 14**, trees beginning 148' from DER, left and right of centerline, up to 100' AGL/114' MSL. **Rwy 21**, vehicles on roadway 262' from DER, left and right of centerline, up to 15' AGL/24' MSL. Trees beginning 475' from DER, 132' right of centerline, up to 100' AGL/104' MSL. Boats beginning 506' from DER, left and right of centerline, up to 77' AGL/77' MSL. Tower 2566' from DER, 925' left of centerline, 162' AGL/172' MSL. **Rwy 26**, trees beginning 52' from DER, 308' left of centerline, up to 43' AGL/49' MSL. Building and trees beginning 131' from DER, 417' right of centerline, 18' AGL/24' MSL. Boats beginning 383' from DER, left and right of centerline, up to 77' AGL/77' MSL. **Rwy 32**, trees beginning 30' from DER, 182' left of centerline, up to 100' AGL/104' MSL. Trees beginning 30' from DER, 419' right of centerline, up to 100' AGL/104' MSL. Boats beginning 452' from DER, left and right of centerline, up to 77' AGL/77' MSL.

BEAUFORT, SC
BEAUFORT COUNTY (ARW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 03191 (FAA)
DEPARTURE PROCEDURE: **Rwy 7,** climb runway heading to 1700 before turning right. **Rwy 25,** climb runway heading to 300 before turning right.
NOTE: **Rwy 25,** tree 1100' from DER, 70' left of centerline, 40' AGL/50' MSL. Power line 1000' from DER, on centerline, 30' AGL/ 35' MSL.

BENNETTSVILLE, SC
MARLBORO COUNTY JETPORT-H E AVENT FIELD (BBP)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 10210 (FAA)
NOTE: **Rwy 7,** pole 97' from DER, 379' right of centerline, 35' AGL/181' MSL. Trees beginning 1415' from DER, 412' left of centerline, up to 86' AGL/232' MSL. Trees beginning 2495' from DER, 256' right of centerline, up to 89' AGL/235' MSL. **Rwy 25,** tree 77' from DER, 148' right of centerline, 18' AGL/156' MSL. Trees beginning 2681' from DER, 382' right of centerline, up to 89' AGL/227' MSL.

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BOGUE MCALF (KNJM),
SWANSBORO, NC
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
15120
TAKE-OFF OBSTACLES: **Rwy 23,** terrain 95' from DER, 435' left of centerline, 30' MSL. Terrain 0' from DER, 500' left of centerline, 33' MSL. Terrain 0' inward of DER, 25' right of centerline, 18' MSL. Terrain 129' from DER, 530' right of centerline, 26' MSL.

BURLINGTON, NC
BURLINGTON-ALAMANCE RGNL (BUY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 14037 (FAA)
TAKEOFF MINIMUMS: **Rwy 6,** 300-3 or std. w/ min. climb of 285' per NM to 900.
DEPARTURE PROCEDURE: **Rwy 6,** climb heading 060° to 1500 before turning. **Rwy 24,** climb heading 240° to 1500 before turning.
NOTE: **Rwy 6,** trees, antenna, transmission towers, communications towers, tank and poles left and right of centerline beginning 158' from DER, 482' right of centerline up to 163' AGL/785' MSL. **Rwy 24,** trees, pole and runway 6 REILs left and right of centerline beginning 10' from DER, 125' left and right of centerline up to 100' AGL/676' MSL.

CAMDEN, SC
WOODWARD FIELD (CDN)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 07298 (FAA)
TAKEOFF MINIMUMS: **Rwy 6,** 200-1¼ or std. w/ min. climb of 362' per NM to 700.
NOTE: **Rwy 6,** light 184' from DER, 500' right of centerline, 27' AGL/316' MSL. Trees beginning 867' from DER, 113' right of centerline, up to 83' AGL/373' MSL. Trees beginning 736' from DER, 256' left of centerline, up to 100' AGL/419' MSL. Water tank 5407' from DER, 1852' left of centerline, 168' AGL/487' MSL. **Rwy 14,** trees and terrain beginning 90' from DER, 68' left of centerline, up to 100' AGL/409' MSL. Trees and terrain beginning 159' from DER, 148' right of centerline, up to 100' AGL/399' MSL. **Rwy 24,** trees beginning 137' from DER, 413' right of centerline, up to 100' AGL/338' MSL. Trees beginning 234' from DER, 389' left of centerline, up to 100' AGL/347' MSL. **Rwy 32,** trees beginning 3059' from DER, 455' right of centerline, up to 100' AGL/449' MSL. Tree 5066' from DER, 858' left of centerline, 100' AGL/429' MSL.

CHAPEL HILL, NC
HORACE WILLIAMS (IGX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 06215 (FAA)
DEPARTURE PROCEDURE: **Rwy 9,** climb heading 090° to 1400 before turning southwest. **Rwy 27,** climb heading 270° to 2400 before turning south.
NOTE: **Rwy 9,** trees 1084' from DER, 250' left of centerline, 82' AGL/551' MSL. Trees 785' from DER, 401' right of centerline, 56' AGL/520' MSL. **Rwy 27,** trees 200' from DER, 240' left of centerline, 43' AGL/542' MSL.

CHARLESTON, SC
CHARLESTON AFB/INTL (CHS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 7 11237 (FAA)
NOTE: **Rwy 3,** electrical equipment, towers, and trees beginning 98' from DER, 409' right of centerline, up to 104' AGL/ 136' MSL. Tree 2653' from DER, 993' left of centerline, 100' AGL/ 139' MSL. **Rwy 15,** trees beginning 1297' from DER, 772' left of centerline, up to 100' AGL/ 119' MSL. **Rwy 33,** trees beginning 2190' from DER, 1002' right of centerline, up to 100' AGL/ 139' MSL. Trees beginning 3061' from DER, 1284' left of centerline, up to 100' AGL/ 144' MSL.

CHARLESTON EXECUTIVE (JZI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 16007 (FAA)
DEPARTURE PROCEDURE: **Rwy 22,** climb heading 217° to 600 before turning right.
NOTE: **Rwy 4,** trees beginning 2473' from DER, 530' left of centerline, up to 75' AGL/85' MSL. **Rwy 9,** antenna 110' from DER, 444' left of centerline, 39' AGL/47' MSL. **Rwy 22,** trees 502' from DER, 181' right of centerline, up to 100' AGL/109' MSL. Trees beginning 2183' from DER, left to right of centerline up to 100' AGL/109' MSL. **Rwy 27,** trees beginning 779' from DER, 84' left of centerline, up to 77' AGL/96' MSL. Pole 1011' from DER, 585' left of centerline, 42' AGL/61' MSL. Trees beginning 90' from DER, 273' right of centerline, up to 60' AGL/78' MSL.

CHARLOTTE, NC
CHARLOTTE/DOUGLAS INTL (CLT)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6 13122 (FAA)
DEPARTURE PROCEDURE: **Rwy 5,** climb heading 055° to 1700 before turning right. **Rwy 36C,** climb heading 003° to 1400 before turning left. **Rwy 36L,** climb heading 003° to 1800 before turning left.
NOTE: **Rwy 5**, trees beginning 1031' from DER, 480' left of centerline, up to 127' AGL/856' MSL. **Rwy 18C**, trees beginning 1688' from DER, 735' left of centerline, up to 108' AGL/787' MSL. Trees beginning 3251' from DER, 995' right of centerline, up to 102' AGL/841' MSL. **Rwy 18L**, pole 981' from DER, 708' left of centerline, 64' AGL/763' MSL. Trees beginning 1235' from DER, 707' right of centerline, up to 88' AGL/767' MSL. Tower 4408' from DER, 1505' left of centerline, 160' AGL/850' MSL. **Rwy 23**, trees 2242' from DER, 1097' right of centerline, up to 92' AGL/811' MSL. **Rwy 36C**, trees beginning 1937' from DER, 725' left of centerline, up to 54' AGL/823' MSL. Trees beginning 1420' from DER, 309' right of centerline, up to 114' AGL/823' MSL. **Rwy 36R**, trees beginning 1476' from DER, 741' left of centerline, up to 92' AGL/851' MSL. Railroad, pole, and trees beginning 471' from DER, 93' right of centerline, up to 36' AGL/795' MSL. Tower and trees beginning 3686' from DER, 530' right of centerline, up to 93' AGL/852' MSL.

CHERAW, SC

CHERAW MUNI/LYNCH BELLINGER FIELD (CQW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 07074 (FAA)

NOTE: **Rwy 8,** multiple trees 465' from DER, 176' right of centerline, up to 100' AGL/279' MSL. Power lines 845' from DER, 501' left of centerline, 65' AGL/243' MSL. Multiple trees 2407' from DER, 11' left of centerline, up to 100' AGL/279' MSL. **Rwy 26,** trees 1089' from DER, 213' left of centerline, up to 100' AGL/389' MSL. Trees 1467' from DER, 63' right of centerline, up to 100' AGL/379' MSL. Power lines 2066' from DER, 186' right of centerline, 65' AGL/243' MSL.

CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

CHERRY POINT, NC

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

16091

Rwy 5R, 14L, 23R, 32L: Diverse departures not authorized.

TAKEOFF OBSTACLES: **Rwy 14R**: Pylon 3822' from DER, 1424' right of centerline, 69' MSL. Pylon 3980' from DER, 1472' right of centerline, 69' MSL.

CHESTER, SC

CHESTER CATAWBA RGNL (DCM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09015 (FAA)

NOTE: **Rwy 5,** trees beginning 383' from DER, 180' left of centerline up to 100' AGL/719' MSL. **Rwy 17,** trees beginning 54' from DER, 289' left of centerline up to 100' AGL/739' MSL. Trees beginning 164' from DER, 291' right of centerline up to 100' AGL/739' MSL. **Rwy 23,** trees beginning 163' from DER, 379' right of centerline up to 100' AGL/729' MSL. Trees beginning 3229' from DER, 726' left of centerline up to 100' AGL/779' MSL. **Rwy 35,** vehicle on road 761' from DER, 684' left of centerline up to 15' AGL/734' MSL. Trees beginning 321' from DER, 684' right of centerline up to 100' AGL/761' MSL.

CLEMSON, SC

OCONEE COUNTY RGNL (CEU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 11321 (FAA)

DEPARTURE PROCEDURE: **Rwy 25,** climb heading 253° to 1900 before turning right.

NOTE: **Rwy 7,** trees beginning 8' from DER, 310' left of centerline, up to 35' AGL/909' MSL. Trees beginning 87' from DER, 93' right of centerline, up to 100' AGL/979' MSL. **Rwy 25,** trees beginning 109' from DER, 6' right of centerline, up to 100' AGL/979' MSL. Trees beginning 123' from DER, 8' left of centerline, up to 83' AGL/971' MSL. Multiple poles beginning 457' from DER, left and right of centerline, up to 48' AGL/936' MSL.

CLINTON, NC

CLINTON-SAMPSON COUNTY (CTZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 11125 (FAA)

NOTE: **Rwy 6,** trees 10' from DER, 393' right of centerline, up to 116' AGL/245' MSL. Trees 1306' from DER, 9' left of centerline, up to 100' AGL/269' MSL. **Rwy 24,** trees 14' from DER, 3' right of centerline, up to 99' AGL/188' MSL. Tree 1718' from DER, 891' left of centerline, 100' AGL/219' MSL.

COLUMBIA, SC

COLUMBIA METROPOLITAN (CAE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 09239 (FAA)

NOTE: **Rwy 5,** trees beginning 127' from DER, 128' left of centerline, up to 97' AGL/286' MSL. Trees beginning 420' from DER, 21' right of centerline, up to 74' AGL/283' MSL. **Rwy 11,** trees beginning 1896' from DER, 621' left of centerline, up to 48' AGL/277' MSL. Light pole and trees beginning 1043' from DER, 723' right of centerline, up to 69' AGL/268' MSL. **Rwy 23,** trees 3573' from DER, 1191' right of centerline, up to 60' AGL/329' MSL. **Rwy 29,** trees beginning 567' from DER, 535' left of centerline, up to 87' AGL/286' MSL. Trees beginning 1045' from DER, 526' right of centerline, up to 63' AGL/332' MSL.

JIM HAMILTON L B OWENS (CUB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 09323 (FAA)

TAKEOFF MINIMUMS: **Rwy 31,** 600-2½ or std. with min. climb of 345' per NM to 1000.

DEPARTURE PROCEDURE: **Rwy 31,**climb heading 311° to 1500 before turning Northbound.

NOTE: **Rwy 13,** trains beginning at DER, 138' right of centerline, up to 23' AGL/202' MSL. Trees beginning 3' from DER, 88' right of centerline, up to 106' AGL/255' MSL. Trees beginning 131' from DER, 84' left of centerline, up to 97' AGL/256' MSL. **Rwy 31,** trains beginning at DER, 437' left of centerline, up to 23' AGL/222' MSL. Buildings beginning 632' from DER, 260' right of centerline, up to 372' AGL/681' MSL. Buildings beginning 1050' from DER, 20' left of centerline, up to 50' AGL/252' MSL. Tower 2.1 NM from DER, 3510' right of centerline, 422' AGL/747' MSL.

CONCORD, NC
CONCORD RGNL (JQF)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 10070 (FAA)
TAKEOFF MINIMUMS: **Rwy 20,**300-1¾ or std. w/ min. climb of 204' per NM to 1000, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1200' prior to DER.
DEPARTURE PROCEDURE: **Rwy 2,** climb heading 016° to 2200 before proceeding on course. **Rwy 20,** climbing right turn heading 290° to intercept CLT VOR/DME R-039 outbound to 2100 before proceeding on course.
NOTE: **Rwy 2,** poles and trees beginning 2624' from DER, 688' left of centerline, up to 45' AGL/784' MSL. Trees beginning 2107' from DER, 787' right of centerline, up to 24' AGL/783' MSL. **Rwy 20,** street lights beginning 3047' from DER, 196' right of centerline, up to 105' AGL/744' MSL. Trees 1.3 NM from DER, 1544' right of centerline, up to 100' AGL/849' MSL.

CONWAY, SC
CONWAY-HORRY COUNTY (HYW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 11237 (FAA)
NOTE: **Rwy 4,** trees beginning 58' from DER, 393' left of centerline, up to 108' AGL/147' MSL. **Rwy 22,** trees beginning 184' from DER, 184' left of centerline, up to 86' AGL/125' MSL. Trees beginning 1508' from DER, 212' right of centerline, up to 73' AGL/112' MSL.

CURRITUCK, NC
CURRITUCK COUNTY RGNL (ONX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 09127 (FAA)
DEPARTURE PROCEDURE: **Rwy 5,** climb heading 045° to 1300 before proceeding on course. **Rwy 23,** climb heading 240° to 4000 before turning southbound.
NOTE: **Rwy 5,** trees beginning 41' from DER, 166' left of centerline, up to 100' AGL/122' MSL. Tree 4058' from DER, 388' right of centerline, 100' AGL/124' MSL. **Rwy 23,** trees beginning 60' from DER, 384' left of centerline, up to 100' AGL/115' MSL. Trees beginning 201' from DER, 427' right of centerline, up to 100' AGL/121' MSL.

DARLINGTON, SC
DARLINGTON COUNTY AIRPORT (UDG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG-B 16119 (FAA)
NOTE: **Rwy 5,** multiple trees beginning 11' from DER, 241' left of centerline, up to 97' AGL/246' MSL. Multiple trees beginning 72' from DER, 29' right of centerline, up to 97' AGL/236' MSL. **Rwy 23,** antenna 18' from DER, 263' left of centerline, 9' AGL/194' MSL. Trees beginning 241' from DER, 394' left of centerline, up to 70' AGL/249' MSL. Tree 732' from DER, 427' right of centerline, 33' AGL/212' MSL.

DILLON, SC
DILLON COUNTY (DLC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 12208 (FAA)
TAKEOFF MINIMUMS: **Rwy 7,** 500-3 or std. w/min. climb of 250' per NM to 700.
DEPARTURE PROCEDURE: **Rwy 7,** climb heading 070° to 1400 before turning south. **Rwy 25,** climb heading 250° to 1900 before turning south.
NOTE: **Rwy 7,** trees beginning 77' from DER, 158' left of centerline, up to 100' AGL/214' MSL. Trees beginning 162' from DER, 494' right of centerline, up to 100' AGL/209' MSL. Tower 2.3 NM from DER, 2100' left of centerline, 370' AGL/510' MSL. **Rwy 25,** vehicles beginning 17' from DER, 313' left of centerline, up to 15' AGL/149' MSL. Vehicles beginning 28' from DER, 163' right of centerline, up to 15' AGL/149' MSL. Trees beginning 42' from DER, 256' left of centerline, up to 100' AGL/234' MSL. Trees beginning 182' from DER, 75' right of centerline, up to 100' AGL/244' MSL. Vehicles beginning 765' from DER, left and right of centerline, up to 17' AGL/156' MSL.

EDENTON, NC
NORTHEASTERN RGNL (EDE)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09211 (FAA)
NOTE: **Rwy 1,** trees beginning 23' from DER, left and right of centerline, up to 100' AGL/117' MSL. **Rwy 19,** poles beginning 1038' from DER, 567' left of centerline, 37' AGL/47' MSL. Trees beginning 1258' from DER, left and right of centerline, up to 100' AGL/114' MSL.

ELIZABETH CITY, NC
ELIZABETH CITY CG AIR STATION/RGNL (ECG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 14177 (FAA)
DEPARTURE PROCEDURE: **Note:** when tethered balloon located 2.6 NM SE of airport is flying: **Rwy 1,** climb on a heading between 190° CW 112° from DER. **Rwy 10,** climb on a heading between 280° CW 115° from DER. **Rwy 19,** climb on a heading between 154° CW 010° from DER. **Rwy 28,** climb on a heading between 163° CW 100° from DER.
NOTE: **Rwy 1,** box 53' from DER, 312' right of centerline, 6' AGL/13' MSL. Trees beginning 1233' from DER, 790' left of centerline, up to 41' AGL/44' MSL. **Rwy 10,** bldg 7' from DER, 442' right of centerline, 9' AGL/16' MSL. DME 292' from DER, 330' left of centerline, 17' AGL/24' MSL. Trees beginning 100' from DER, 373' right of centerline, up to 73' AGL/80' MSL. Trees beginning 2134' from DER, 408' left of centerline, up to 86' AGL/89' MSL. **Rwy 19,** taxiway sign 64' from DER 143' left of centerline, 3' AGL/12' MSL. Bushes beginning 76' from DER, 436' right of centerline, up to 10' AGL/17' MSL. Vehicles on road beginning 91' from DER, 86' right of centerline, up to 15' AGL/26' MSL. Pole and trees beginning 1032' from DER, 602' centerline, up to 71' AGL/78' MSL. Trees beginning 1996' from DER, 825' left of centerline, up to 100' AGL/107' MSL **Rwy 28,** REILs beginning 26' from DER, 130' right of centerline, up to 2' AGL/12' MSL. Tree 2962' from DER, 1198' right of centerline, 81' AGL/88' MSL.

ELIZABETHTOWN, NC

CURTIS L BROWN JR FIELD (EYF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09183 (FAA)

DEPARTURE PROCEDURE: **Rwy 15,** climb heading 152° to 2100 before turning left. **Rwy 33,** climb heading 332° to 1100 before proceeding on course.

NOTE: **Rwy 15,** trees beginning 368' from DER, left and right of centerline, up to 100' AGL/214' MSL. **Rwy 33,** vehicle on road 177' from DER, 543' right of centerline, 15' AGL/144' MSL. Trees beginning 344' from DER, left and right of centerline, up to 100' AGL/229' MSL.

ELKIN, NC

ELKIN MUNI (ZEF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 14317 (FAA)

DEPARTURE PROCEDURE: **Rwy 7,** climb heading 074° to 2000 before turning north. **Rwy 25,** climb heading 255° to 2600 before turning north.

NOTE: **Rwy 7,** trees beginning 2' from DER, 133' left of centerline, up to 61' AGL/1120' MSL. Trees beginning 10' from DER, 64' right of centerline, up to 49' AGL/1048' MSL. Vehicles on road 169' from DER, 388' left of centerline, up to 15' AGL/1074' MSL. Trees beginning 665' from DER, 24' right of centerline, up to 50' AGL/1089' MSL. Trees beginning 931' from DER, 33' left of centerline, up to 93' AGL/1132' MSL. Trees beginning 1137' from DER, 249' right of centerline, up to 78' AGL/1097' MSL. Tower 1781' from DER, 452' right of centerline, 83' AGL/1082' MSL. Trees beginning 3265' from DER, 397' right of centerline, up to 100' AGL/1199' MSL. Tower 5075' from DER, 1290' left of centerline, 100' AGL/1179' MSL. **Rwy 25,** trees beginning 41' from DER, 125' left of centerline, up to 119' AGL/1138' MSL. Trees beginning 45' from DER, 92' right of centerline, up to 78' AGL/1137' MSL. Trees beginning 1217' from DER, 13' left of centerline, up to 99' AGL/1178' MSL. Trees beginning 1235' from DER, 55' right of centerline, up to 100' AGL/1219' MSL.

ERWIN, NC

HARNETT RGNL JETPORT (HRJ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 07242 (FAA)

NOTE: **Rwy 5,** multiple trees beginning 1529' from DER 16' left of centerline, up to 96' AGL/297' MSL. Multiple trees beginning 2775' from DER, 111' right of centerline, up to 76' AGL/282' MSL. Multiple poles beginning 303' from DER, 445' left of centerline, up to 17' AGL/239' MSL. Pole beginning 671' from DER, 610' right of centerline, up to 38' AGL/239' MSL.

NOTE: **Rwy 23,** trees beginning 94' from DER, 206' right of centerline, up to 64' AGL/252' MSL. Trees beginning 5' from DER, 296' right of centerline, up to 59' AGL/247' MSL.

FAYETTEVILLE, NC

FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 08213 (FAA)

NOTE: **Rwy 4,** trees beginning 154' from DER, 117' right of centerline, up to 79' AGL/189' MSL. Trees beginning 344' from DER, 240' left of centerline, up to 63' AGL/173' MSL. **Rwy 10,** trees beginning 182' from DER, 295' right of centerline, up to 43' AGL/223' MSL. Trees beginning 451' from DER, 383' left of centerline, up to 62' AGL/242' MSL. **Rwy 22,** vehicle on road 98' from DER, left and right of centerline, up to 15' AGL/186' MSL. Trees beginning 1059' from DER, 551' right of centerline, up to 94' AGL/264' MSL. **Rwy 28,** pole and trees beginning 199' from DER, 307' left of centerline, up to 34' AGL/204' MSL. Trees beginning 593' from DER, 96' right of centerline, up to 79' AGL/239' MSL.

FLORENCE, SC

FLORENCE RGNL (FLO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 09071 (FAA)

DEPARTURE PROCEDURE: **Rwy 1,** climb on heading 021° to 1200 prior to turning left.

NOTE: **Rwy 1,** trees beginning 1929' from DER, 29' left of centerline up to 81' AGL/224' MSL. Trees beginning 1786' from DER, 239' right of centerline up to 89' AGL/232' MSL. Poles beginning 1628' from DER, 160' left and right of centerline up to 45' AGL/188' MSL. Antenna 341' from DER, 487' left of centerline up to 47' AGL/190' MSL. Floodlight 3262' from DER, 806' left of centerline up to 103' AGL/246' MSL. Floodlight 1498' from DER, 313' left of centerline up to 39' AGL/182' MSL. **Rwy 9,** trees beginning 3016' from DER, 635' left of centerline up to 91' AGL/212' MSL. Trees beginning 121' from DER, 14' right of centerline up to 97' AGL/218' MSL. Bushes beginning 32' from DER, 289' right of centerline up to 17' AGL/138' MSL. **Rwy 19,** trees beginning 174' from DER, 273' left of centerline up to 54' AGL/166' MSL. Trees beginning 811' from DER, 23' right of centerline up 69' AGL/181' MSL. Bushes beginning 20' from DER, 338' right of centerline up to 12' AGL/125' MSL. **Rwy 27,** trees beginning 102' from DER, 389' left of centerline up to 30' AGL/159' MSL.

FRANKLIN, NC

MACON COUNTY (1A5)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09071 (FAA)

TAKEOFF MINIMUMS: **Rwys 7, 25,** Procedure NA at night. 5700-3, for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwys 7, 25,** for climb in visual conditions remain within 3 NM of Macon County airport to cross airport south bound at or above 7600 via ODF R-349 to ODF VORTAC.

NOTE: **Rwy 7,** trees 599' from DER, 124' left of centerline, up to 38' AGL/2037' MSL. Vehicle on road 964' from DER, 720' left of centerline, 15' AGL/2054' MSL. Trees 1666' from DER, 620' right of centerline, up to 100' AGL/2179' MSL. Trees beginning 3090' from DER, 1270' left of and to centerline, up to 100' AGL/3139' MSL. Trees beginning 5665' from DER, 337' right of and to centerline, up to 100' AGL/2699' MSL. **Rwy 25,** vehicle on road 63' from DER, 318' left of centerline, 15' AGL/2054' MSL. Terrain 1000' from DER, on centerline, 2061' MSL. Trees beginning 1737' from DER, 848' left of and to centerline, up to 100' AGL/3519' MSL. Trees beginning 2460' from DER, 440' right of and to centerline, up to 100' AGL/3059' MSL.

GASTONIA, NC

GASTONIA MUNI (AKH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 15232 (FAA)

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 049° to 2700 before turning left. **Rwy 21,** climb heading 214° to 1600 before proceeding north.

NOTE: **Rwy 3,** trees beginning 162' from DER, 371' right of centerline, up to 105' AGL/844' MSL. Trees beginning 1200' from DER, 463' left of centerline, up to 76' AGL/835' MSL. Trees beginning 1965' from DER, 433' left of centerline, up to 80' AGL/859' MSL. Trees 3819' from DER, 657' right of centerline, up to 126' AGL/885' MSL. **Rwy 21,** pole 254' from DER, 336' right of centerline, 20' AGL/810' MSL. Pole 288' from DER, 329' left of centerline, 18' AGL/808' MSL. Tower and trees beginning 297' from DER, 467' left of centerline, up to 93' AGL/872' MSL. Trees beginning 1245' from DER, 558' right of centerline, up to 99' AGL/878' MSL.

GEORGETOWN, SC

GEORGETOWN COUNTY (GGE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 14261 (FAA)

DEPARTURE PROCEDURE: **Rwy 29,** climb heading 289° to 600 before turning northbound.

NOTE: **Rwy 5,** trees beginning 382' from DER, left and right of centerline, up to 97' AGL/122' MSL. **Rwy 11,** trees beginning 500' from DER, 200' left and right of centerline, up to 100' AGL/129' MSL. **Rwy 23,** trees beginning 177' from DER, 441' right of centerline, up to 100' AGL/111' MSL. Trees 1023' from DER, 670' left of centerline, up to 68' AGL/88' MSL. **Rwy 29,** trees beginning 880' from DER, left and right of centerline, up to 100' AGL/138' MSL.

GOLDSBORO, NC

WAYNE EXECUTIVE JETPORT (GWW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 11321 (FAA)

NOTE: **Rwy 5,** tree 184' from DER, 494' right of centerline, 41' AGL/174' MSL. **Rwy 23,** trees beginning 107' from DER, 313' right of centerline, up to 109' AGL/ 242' MSL. Bush 101' from DER, 487' left of centerline, 9' AGL/142' MSL. Trees beginning 2212' from DER, 12' left of centerline, up to 98' AGL/231' MSL.

GREENSBORO, NC

PIEDMONT TRIAD INTL (GSO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 09295 (FAA)

NOTE: **Rwy 5L,** trees beginning 1328' from DER, 524' left of centerline, up to 88' AGL/912' MSL. **Rwy 5R,** terrain and trees beginning 3' from DER, 499' right of centerline, up to 102' AGL/981' MSL. Trees beginning 2751' from DER, 1191' left of centerline, 57' AGL/966' MSL. **Rwy 14,** pole and railroad signal beginning 937' from DER, 604' right of centerline, up to 51' AGL/940' MSL. **Rwy 23L,** trees beginning 834' from DER, 719' left of centerline, up to 65' AGL/934' MSL. **Rwy 23R,** trees beginning 1195' from DER, 191' left of centerline, up to 100' AGL/970' MSL. Utility pole 170' from DER, 540' left of centerline, 33' AGL/936' MSL. Trees beginning 1715' from DER, 358' right of centerline, up to 100' AGL/967' MSL. **Rwy 32,** trees beginning 1' from DER, 289' right of centerline up to 90' AGL/1019' MSL.

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GREENVILLE, NC

PITT-GREENVILLE (PGV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5 16035 (FAA)

NOTE: **Rwy 2,** ground beginning 50' from DER, 50' left of centerline, up to 31' MSL. Ground beginning 86' from DER, 291' right of centerline, up to 29' MSL. Trees beginning 975' from DER, 688' right of centerline, up to 86' AGL/124' MSL. Trees beginning 1779' from DER, 653' right of centerline, up to 96' AGL/125' MSL. Tree 1910' from DER, 989' left of centerline, 63' AGL/89' MSL. Trees beginning 2224' from DER, 655' right of centerline, up to 115' AGL/142' MSL. Trees beginning 2562' from DER, 583' left of centerline, up to 82' AGL/134' MSL. Trees beginning 3164' from DER, 719' left of centerline, up to 107' AGL/138' MSL. **Rwy 8,** building, poles, road and trees beginning 79' from DER, 298' left of centerline, up to 87' AGL/113' MSL. Trees and road beginning 144' from DER, 456' right of centerline, up to' 44' AGL/66' MSL. Building, poles and trees beginning 795' from DER, 65' right of centerline, up to 59' AGL/71' MSL. Trees and poles beginning 1009' from DER, 14' left of centerline, up to 90' AGL/119' MSL. Building, poles and trees beginning 1538' from DER, 279' right of centerline, up to 62' AGL/88' MSL. Trees beginning 2334' from DER, 307' right of centerline, up to 88' AGL/110' MSL. Trees beginning 2336' from DER, 7' left of centerline, up to 101' AGL/127' MSL. Trees beginning 3324' from DER, 646' right of centerline, up to 99' AGL/125' MSL. **Rwy 20,** runway lighting 40' from DER, 148' right of centerline, 6' AGL/25' MSL. Runway lighting and sign beginning 40' from DER, 149' left of centerline, up to 5' AGL/25' MSL. Vehicles on road, bridge/overpass, and trees beginning 230' from DER, 245' left of centerline, up to 26' AGL/42' MSL. NAVAID 491' from DER, 280' right of centerline, 35' AGL/44' MSL. Trees beginning 1133' from DER, 745' left of centerline, up to 103' AGL/115' MSL. Trees beginning 1354' from DER, 751' right of centerline, up to 113' AGL/125' MSL. Transmission line towers and trees beginning 2412' from DER, crossing left to right of centerline, up to 112' AGL/122' MSL. Trees beginning 2673' from DER, crossing centerline, up to 100' AGL/159' MSL. Trees beginning 3930' from DER, 432' left of centerline, up to 102' AGL/162' MSL. Trees beginning 5002' from DER, 706' left of centerline, up to 93' AGL/164' MSL. **Rwy 26,** airport sign 40' from DER, 199' left of centerline, 4' AGL/26' MSL. Runway end identifier light, 41' from DER, 150' right of centerline, 2' AGL/26' MSL. Trees beginning 152' from DER, 354' right of centerline, up to 86' AGL/117' MSL. Trees beginning 336' from DER, 504' left of centerline, up to 25' AGL/38' MSL. Trees beginning 573' from DER, 229' left of centerline, up to 106' AGL/109' MSL. Trees beginning 1330' from DER, 170' left of centerline, up to 109' AGL/112' MSL. Trees beginning 1625' from DER, crossing centerline, up to 127' AGL/130' MSL. Trees beginning 2122' from DER, crossing centerline, up to 131' AGL/134' MSL.

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GREENVILLE, SC

DONALDSON FIELD (GYH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 15288 (FAA)

TAKEOFF MINIMUMS: **Rwy 5,** 300-1¾ or std. w/ min. climb of 220' per NM to 1300, or alternatively, w/ standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1800' prior to DER.

NOTE: **Rwy 5,** fence 63' from DER, 457' right of centerline, 8' AGL/921' MSL. Trees beginning 874' from DER, 723' left of centerline, up to 67' AGL/976' MSL. Trees beginning 1088' from DER, 129' right of centerline, up to 82' AGL/998' MSL. Tower 1.5 NM from DER, 2224' left of centerline, 250' AGL/1167' MSL.

GREENVILLE DOWNTOWN (GMU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 15288 (FAA)

TAKEOFF MINIMUMS: **Rwy 10,** 300-1 or std. w/min. climb of 355' per NM to 1300. **Rwy 28,** 300-2½ or std. w/min. climb of 220' per NM to 1500, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1900' prior to DER.

DEPARTURE PROCEDURE: **Rwy 1,** climb heading 006° to 2800 before turning west or northwest. **Rwy 10,** climb heading 096° to 1800 before turning west or northwest. **Rwy 19,** climb heading 186° to 1800 before turning north. **Rwy 28,** climb heading 276° to 2300 before turning north or northwest.

NOTE: **Rwy 1,** sign 26' from DER, 125' left of centerline, 3' AGL/1049' MSL. Building and poles beginning 195' from DER, 374' right of centerline, up to 48' AGL/1111' MSL. Trees beginning 350' from DER, 319' left of centerline, up to 88' AGL/1129' MSL. Sign, building, poles, and trees beginning 1050' from DER, 55' right of centerline, up to 52' AGL/1188' MSL. Buildings 4064' from DER, 384' right of centerline, up to 61' AGL/1174' MSL. **Rwy 10,** sign and trees beginning 18' from DER, 48' right of centerline, up to 31' AGL/1026' MSL. Sign 21' from DER, 124' left of centerline, 3' AGL/1017' MSL. Pole and trees beginning 9' from DER, 198' right of centerline, up to 56' AGL/1057' MSL. Trees beginning 498' from DER, 50' left of centerline, up to 51' AGL/1042' MSL. Trees beginning 1821' from DER, 603' left of centerline, up to 47' AGL/1068' MSL. Building and pole beginning 3337' from DER, 539' right of centerline, up to 105' AGL/1136' MSL. Tower 5213' from DER, 810' left of centerline, 152' AGL/1173' MSL. **Rwy 19,** signs beginning 11' from DER, 71' right of centerline, up to 3' AGL/991' MSL. Trees beginning 173' from DER, 492' right of centerline, up to 45' AGL/1013' MSL. Pole and trees beginning 276' from DER, 527' left of centerline, up to 33' AGL/1003' MSL. Trees beginning 2809' from DER, 763' right of centerline, up to 83' AGL/1094' MSL. **Rwy 28,** signs beginning 13' from DER, 77' left of centerline, up to 3' AGL/1000' MSL. Pole and trees beginning 45' from DER, 285' right of centerline, up to 49' AGL/1043' MSL. Poles and trees beginning 194' from DER, 251' left of centerline, up to 56' AGL/1021' MSL. Trees beginning 532' from DER, 60' right of centerline, up to 95' AGL/1047' MSL. Trees beginning 850' from DER, 323' left of centerline, up to 71' AGL/1075' MSL. Building 1.9 NM from DER, 2143' right of centerline, 332' AGL/1316' MSL.

26 MAY 2016 to 23 JUN 2016

GREENWOOD, SC
GREENWOOD COUNTY (GRD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 08017 (FAA)
NOTE: **Rwy 9,** tree 1859' from DER, 990' left of centerline, 100' AGL/719' MSL.

GREER, SC
GREENVILLE SPARTANBURG INTL(GSP)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 15288 (FAA)
DEPARTURE PROCEDURE: **Rwy 4,** climb heading 038° to 2500 before turning left.
NOTE: **Rwy 4,** trees 1422' from DER, 832' right of centerline, up to 65' AGL/1001' MSL.

HARTSVILLE, SC
HARTSVILLE REGIONAL (HVS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 08045 (FAA)
NOTE: **Rwy 3,** trees beginning 2478' from DER, 684' right of centerline, up to 100' AGL/489' MSL. trees beginning 405' from DER, 363' left of centerline, up to 100' AGL/479' MSL. Road and vehicle 59' from DER, 418' right of centerline, up to 15' AGL/374' MSL. **Rwy 21,** trees beginning 128' from DER, 255' right of centerline, up to 100' AGL/439' MSL. Trees beginning 216' from DER, 325' left of centerline, up to 100' AGL/429' MSL. Road and vehicle 11' from DER, 335' right of centerline, up to 15' AGL/364' MSL.

HATTERAS, NC
BILLY MITCHELL (HSE)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09267 (FAA)
NOTE: **Rwy 7,** trees beginning 388' from DER, left of centerline, up to 100' AGL/169' MSL. **Rwy 25,** trees 512' from DER, 103' right of centerline, 100' AGL/110' MSL. Boat mast 2107' from DER, 664' left of centerline, 100' AGL/100' MSL.

HICKORY, NC
HICKORY RGNL (HKY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 11237 (FAA)
DEPARTURE PROCEDURE: Use HICKORY DEPARTURE.

HILTON HEAD ISLAND, SC
HILTON HEAD (HXD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 03191 (FAA)
NOTE: **Rwy 3,** numerous trees 328' from DER, 428' left of DER, 86' AGL/106' MSL. Numerous trees 319' from DER, 390' right of DER, 83' AGL/97' MSL. **Rwy 21,** numerous trees 39' from DER, 357' right of DER, 94' AGL/111' MSL. Numerous trees 368' from DER, 332' left of DER, 73' AGL/87' MSL. Numerous trees 1421' from DER, 221' right of DER, 74' AGL/91' MSL. Numerous trees 1207' from DER, 329' left of DER, 85' AGL/99' MSL.

JACKSONVILLE, NC
ALBERT J. ELLIS (OAJ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 12264 (FAA)
NOTE: **Rwy 5,** vehicles on road 93' from DER, left and right of centerline, up to 15' AGL/107' MSL. Pole 1319' from DER, 830' left of centerline, 44' AGL/127' MSL. Trees beginning 1678' from DER, left and right of centerline up to 100' AGL/198' MSL. **Rwy 23,** vehicles on road 233' from DER, 221' left of centerline, up to 15' AGL/107' MSL. Trees beginning 2091' from DER, left and right of centerline, up to 100' AGL/192' MSL.

JEFFERSON, NC
ASHE COUNTY (GEV)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
TAKEOFF MINIMUMS: **Rwys 10, 28,** 1900-3.
DEPARTURE PROCEDURE: **Rwys 10, 28,** climb visually over the airport to 5000 before proceeding on course.

KENANSVILLE, NC
DUPLIN COUNTY (DPL)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09015 (FAA)
NOTE: **Rwy 5,** trees beginning 30' from DER, 156' right of centerline, up to 100' AGL/238' MSL. Trees beginning 1915' from DER, 126' left of centerline, up to 100' AGL/231' MSL. Vehicles on road 641' from DER, left and right of centerline, up to 17' AGL/156' MSL. **Rwy 23,** trees beginning 12' from DER, 329' left of centerline, up to 100' AGL/218' MSL. Trees beginning 16' from DER, 59' right of centerline, up to 100' AGL/225' MSL.

KINGSTREE, SC
WILLIAMSBURG RGNL (CKI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 07018 (FAA)
TAKEOFF MINIMUMS: **Rwy 32,** 200-1 or std. w/ min. climb of 353' per NM to 300.
DEPARTURE PROCEDURE: **Rwy 14,** climb heading132° to 800 before turning north.
NOTE: **Rwy 32,** multiple trees beginning 165' from DER, 360' right of centerline, up to 71' AGL/175' MSL.

26 MAY 2016 to 23 JUN 2016
26 MAY 2016 to 23 JUN 2016

KINSTON, NC
KINSTON RGNL JETPORT AT STALLINGS FIELD (ISO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07298 (FAA)
DEPARTURE PROCEDURE: **Rwy 5,** climb heading 050° to 1800 before turning east.
NOTE: **Rwy 5,** multiple poles 1521' from DER, 237' right of centerline, up to 64' AGL/137' MSL. Pole 1625' from DER, 53' left of centerline, 52' AGL/128' MSL. Multiple trees 1873' from DER, 110' right of centerline, up to 73' AGL/173' MSL. **Rwy 23,** multiple trees 770' from DER, 598' left of centerline, up to 87' AGL/186' MSL, multiple trees 1092' from DER, 109' right of centerline, up to 49' AGL/148' MSL.

LAKE CITY, SC
LAKE CITY MUNI CJ EVANS FIELD (51J)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07074 (FAA)
TAKEOFF MINIMUMS: **Rwy 1,** 500-2½ or std. w/ min. climb of 375' per NM to 700. **Rwy 19,** 300-1 or std. w/ min. climb of 404' per NM to 400.
NOTE: **Rwy 1,** tree 1474' from DER, 189' right of centerline, 62' AGL/143' MSL. Multiple towers beginning 1.6 NM from DER, 1285' left of centerline, up to 411' AGL/491' MSL. **Rwy 19,** tree 1428' from DER, 225' right of centerline, 53' AGL/134' MSL. Tank 4906' from DER, 1349' left of centerline, 180' AGL/254' MSL.

LANCASTER, SC
LANCASTER COUNTY- MCWHIRTER FIELD (LKR)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 15232 (FAA)
NOTE: **Rwy 6,** trees 176' from DER, 394' left of centerline, up to 27' AGL/526' MSL. Trees 4704' from DER, 1425' left of centerline, up to 81' AGL/630' MSL. **Rwy 24,** trees 73' from DER, 492' left of centerline, up to 18' AGL/467' MSL.

LAURENS, SC
LAURENS COUNTY (LUX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 13122 (FAA)
NOTE: **Rwy 8**, trees and bushes beginning 72' from DER, 298' right of centerline, up to 68' AGL/787' MSL. Vehicles on roadway, poles and trees beginning 929' from DER, 5' left of centerline, up to 120' AGL/789' MSL. Rising terrain and trees beginning 944' from DER, 1' right of centerline, up to 106' AGL/777' MSL. Vehicles on roadway beginning 955' from DER, left and right of centerline up to 15' AGL/734' MSL. Building 1013' from DER, 662' right of centerline, 18' AGL/729' MSL. Fence beginning 1051' from DER, 434' right of centerline, 2' AGL/723' MSL. **Rwy 26**, trees beginning 104' from DER, 470' right of centerline, up to 128' AGL/799' MSL. Trees beginning 580' from DER, 169' left of centerline, up to 117' AGL/766' MSL. Trees beginning 915' from DER, 113' right of centerline, up to 110' AGL/768' MSL.

LEXINGTON, NC
DAVIDSON COUNTY (EXX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 12208 (FAA)
TAKEOFF MINIMUMS: **Rwy 6,** 300-1 or std. w/min. climb of 384' per NM to 1000.
NOTE: **Rwy 6,** trees beginning 917' from DER 34' right of centerline, up to 100' AGL/856' MSL. Trees beginning 158' from DER, 8' left of centerline, up to 100' AGL/859' MSL. Tanks 1520' from DER, 121' left of centerline, up to 110' AGL/755' MSL. **Rwy 24,** tree 53' from DER, 472' left of centerline, 100' AGL/774' MSL. Terrain beginning 150' from DER, 223' right of centerline, 754' MSL.

LIBERTY, NC
CAUSEY (2A5)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 97254 (FAA)
TAKEOFF MINIMUMS: **Rwys 2, 20,** 300-1.
DEPARTURE PROCEDURE: **Rwy 20,** for departures 245° CW 020°, climbing left turn direct LIB VORTAC, then proceed outbound via LIB R-256 to 3000 before proceeding on course.

LINCOLNTON, NC
LINCOLNTON COUNTY RGNL (IPJ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 15232 (FAA)
DEPARTURE PROCEDURE: **Rwy 5,** climb heading 063° to 2000 before proceeding on course. **Rwy 23,** climb heading 243° to 2800 before turning left.
NOTE: **Rwy 5,** trees beginning 1913' from DER, 330' left of centerline, up to 75' AGL/954' MSL. **Rwy 23,** trees beginning 2068' from DER, 479' right of centerline, up to 102' AGL/1001' MSL. Trees 2572' from DER, 42' left of centerline, up to 87' AGL/986' MSL. Trees 5326' from DER, 1643' right of centerline, up to 88' AGL/1027' MSL.

LORIS, SC
TWIN CITY (5J9)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10126 (FAA)
NOTE: **Rwy 8,** vehicles on roadway 18' from DER, 127' right of centerline, up to 15' AGL/119' MSL. Trees beginning 159' from DER, 208' right of centerline, up to 100' AGL/204' MSL. Trees beginning 169' from DER, 314' left of centerline, up to 100' AGL/204' MSL. **Rwy 26,** vehicles on roadway 9' from DER, 113' left of centerline, up to 15' AGL/119' MSL. Trees beginning 20' from DER, 182' left of centerline, up to 100' AGL/204' MSL. Hangar 81' from DER, 267' right of centerline, 50' AGL/154' MSL. Aircraft 87' from DER, 171' right of centerline, up to 30' AGL/134' MSL. Building 665' from DER, 139' left of centerline, 30' AGL/134' MSL. Building 1359' from DER, 226' right of centerline, 30' AGL/134' MSL.

LOUISBURG, NC

TRIANGLE NORTH EXECUTIVE (LHZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 11293 (FAA)

DEPARTURE PROCEDURE: **Rwy 5,** climb heading 046° to 1900 before turning right.

NOTE: **Rwy 5,** trees beginning 154' from DER, 516' right of centerline, up to 99' AGL/ 399' MSL. Trees beginning 166' from DER, 492' left of centerline, up to 75' AGL/ 415' MSL. Terrain 471' from DER, 394' left of centerline, 345' MSL. **Rwy 23,** vehicle on road 98' from DER, 457' right of centerline, up to 15' AGL/ 377' MSL. Power line 760' from DER, 635' right of centerline, 55' AGL/405' MSL.

LUMBERTON, NC

LUMBERTON RGNL (LBT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 14289 (FAA)

TAKEOFF MINIMUMS: **Rwy 31,** 300-1 or std. w/min. climb of 250' per NM to 400 or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 2000' prior to DER.

NOTE: **Rwy 5,** utility 29' from DER, 117' left of centerline, 3' AGL/124' MSL. Trees beginning 93' from DER, 335' right of centerline, up to 55' AGL/180' MSL. Trees beginning 1780' from DER, left and right of centerline, up to 93' AGL/219' MSL. **Rwy 13,** vehicles on roadway beginning 29' from DER, 392' right of centerline, up to 15' AGL/139' MSL. Vehicles on roadway beginning 340' from DER, 123' left of centerline, up to 15' AGL/139' MSL. Trees beginning 486' from DER, left and right of centerline, up to 100' AGL/219' MSL. **Rwy 23,** trees beginning 59' from DER, 119' right of centerline, up to 107' AGL/233' MSL. Trees beginning 3274' from DER, 31' left of centerline, up to 91' AGL/217' MSL. **Rwy 31,** vehicles on roadway beginning 258' from DER, 532' left of centerline, up to 15' AGL/139' MSL. Building 510' from DER, 612' left of centerline, 40' AGL/164' MSL. Trees beginning 436' from DER, left and right of centerline, up to 100' AGL/224' MSL. Tower 5168' from DER, 1713' right of centerline, 150' AGL/286' MSL.

MANNING, SC

SANTEE COOPER RGNL (MNI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 09043 (FAA)

NOTE: **Rwy 2,** trees beginning at DER, 480' right of centerline, up to 100' AGL/229' MSL. Trees beginning 16' from DER, 221' left of centerline, up to 100' AGL/209' MSL. Vehicle on road 85' from DER, 468' right of centerline, 15' AGL/117' MSL. **Rwy 20,** trees beginning 125' from DER, 289' right of centerline, up to 100' AGL/179' MSL. Trees beginning 86' from DER, 136' left of centerline, up to 100' AGL/189' MSL. Vehicle on road 250' from DER, on centerline, 15' AGL/110' MSL.

MANTEO, NC

DARE COUNTY RGNL (MQI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 11349 (FAA)

TAKEOFF MINIMUMS: **Rwy 17,** 300-1½ or std. w/min. climb of 250' per N to 300. **Rwy 35,** 300-1½ or std. w/ min. climb of 260' per NM to 300.

NOTE: **Rwy 5,** multiple trees beginning 585' from DER, 417' left and right of centerline, up to 100' AGL/109' MSL. **Rwy 35,** multiple trees beginning 23' from DER,182' right and left of centerline, up to 100' AGL/116' MSL. Building 267' from DER, 410' right of centerline, 20' AGL/35' MSL. Ship 1 NM from DER, on centerline, 208' AGL/208' MSL.

MARION, SC

MARION COUNTY (MAO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 14317 (FAA)

DEPARTURE PROCEDURE: **Rwy 4,** climb on heading 058° to 2000 before turning.

NOTE: **Rwy 4,** road with vehicle 89' from DER, 241' left of centerline, 15' AGL/103' MSL. Trees and bushes beginning 8' from DER, 301' left of centerline, up to 15' AGL/92' MSL. Buildings beginning 271' from DER, 385' left of centerline up to 25' AGL/114' MSL. Trees and poles beginning 297' from DER, 401' left of centerline, up to 51' AGL/140' MSL. Trees beginning 1311' from DER, 411' left of centerline, up to 107' AGL/201' MSL. Trees and bushes beginning 14' from DER, 258' right of centerline, up to 67' AGL/154' MSL. Trees, buildings, and poles beginning 511' from DER, 216' right of centerline, up to 125' AGL/214' MSL. Trees beginning 2026' from DER, 7' right of centerline, up to 91' AGL/188' MSL. **Rwy 22,** road with vehicle 96' from DER, 489' left of centerline, 15' AGL/104' MSL. Trees beginning 226' from DER, 302' left of centerline, up to 48' AGL/136' MSL. Trees beginning 1019' from DER, 372' left of centerline, up to 47' AGL/135' MSL. Bush 4' from DER, 354' right of centerline, 12' AGL/101' MSL. Trees beginning 2624' from DER, 811' right of centerline, up to 109' AGL/197' MSL.

MAXTON, NC

LAURINBURG-MAXTON (MEB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 07298 (FAA)

NOTE: **Rwy 5,** road 606' from DER, on centerline, 15' AGL/224' MSL. Trees 1002' from DER, 474' left of centerline, 67' AGL/267' MSL. **Rwy 13,** aircraft 762' from DER, 762' left of centerline, 58' AGL/266' MSL. **Rwy 23,** tree 1011' from DER, 512' right of centerline, 30' AGL/246' MSL. **Rwy 31,** trees beginning 1014' from DER, 58' left of centerline, up to 54' AGL/271' MSL.

MC ENTIRE JNGB (MMT)
EASTOVER, SC
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 14149

TAKE-OFF MINIMUMS: **Rwy 5,** Standard with CG of 310 ft/NM to 2700 or 300-2 with min climb of 250 ft/NM to 2700 (Provided a ceiling and visibility to see and avoid a 40:1 penetration within the ICA (extended) and a climb gradient to avoid a 40:1 penetration outside the ICA (extended)). **Rwy 32,** Standard with CG of 230ft/ NM to 2700.

DEPARTURE PROCEDURE: **Rwy 5,** depart on a track of 050 to 2700' before turning on course, or as directed by ATC. **Rwy 32,** depart on a track of 320 to 700' MSL before turning on course, or as directed by ATC. Departing eastbound, complete turn within 4 NM to avoid R-6001, if unable, advise Control Tower prior to taxi.

TAKE-OFF OBSTACLES: **Rwy 5,** Helicopters parked from 198' to 552' from DER,306' to 618' left of centerline, up to 19' AGL/274' MSL. Multiple trees left of centerline, beginning 2390' out to 1.5 NM from DER, 93' to 2082' left of centerline,0' AGL/385' MSL up to 551' MSL. Multiple trees right of centerline, beginning 2207'out to 4124' from DER, 232' to 905' right of centerline, 0' AGL/377' MSL up to 399' MSL. **Rwy 14,** Multiple trees left of centerline, beginning 2316' out to 4208' from DER, 774' to 1107' left of centerline, 0' AGL/325' MSL up to 359' MSL. Pylon 3282' from DER, 1553' left of centerline, 79' AGL/288' MSL. Multiple trees right of centerline, beginning 2202' out to 3374' from DER, 989' to 1139' right of centerline,0' AGL/339' MSL up to 349' MSL. Aircraft parked 42' from DER, 544' right of centerline, 0' AGL/255' MSL. Pylon 2668' from DER, 1714' right of centerline,79' AGL/286' MSL. **Rwy 23,** Multiple trees left of centerline, beginning 2482' out to 3574' from DER, 186' to 1423' left of centerline, 130' AGL/351' MSL up to 363' MSL. Wind sensor 500' from DER, 495' left of centerline, 33' AGL/275' MSL. Multiple trees right of centerline, beginning 2470' out to 3968' from DER, 419' to 1200' right of centerline, 0' AGL/343' MSL up to 367' MSL. Light pole 2172' from DER, 615' to791' right of centerline, 26' AGL/274' MSL. **Rwy 32,** Multiple trees left of centerline, beginning 2267' out to 5053' from DER, 68' to 1650' left of centerline, 0' AGL/335' MSL up to 381' MSL. Multiple trees right of centerline, beginning 1774' out to 2207' from DER, 475' to 820' right of centerline, 0' AGL/343' MSL up to 355' MSL.

MOCKSVILLE, NC
TWIN LAKES (8A7)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07214 (FAA)

TAKEOFF MINIMUMS: **Rwy 27,** 300-1

NOTE: **Rwy 9,** numerous trees beginning 35' from DER, 27' right of centerline, up to 100' AGL/939' MSL. Numerous trees beginning 200' from DER, 164' left of centerline, up to 100' AGL/919' MSL. **Rwy 27,** numerous trees beginning 200' from DER, 78' right of centerline, up to 100' AGL/ 929' MSL. Numerous trees beginning 616' from DER, 77' left of centerline, up to 100' AGL/909' MSL.

MONCKS CORNER, SC
BERKELEY COUNTY (MKS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09015 (FAA)

TAKEOFF MINIMUMS: **Rwy 5,** 300-1¾ or std. w/ min. climb of 215' per NM to 400.

NOTE: **Rwy 5,** trees beginning 17' from DER, 102' right of centerline, up to 99' AGL/158' MSL. Terrain 30' from DER, 478' left of centerline, 79' MSL. Trees beginning 964' from DER, 66' left of centerline, up to 108' AGL/167' MSL. Poles beginning 467' from DER, 480' left of centerline, up to 24' AGL/103' MSL. Tower 1.4 NM from DER, 530' left of centerline, up to 228' AGL/292' MSL. **Rwy 23,** trees beginning abeam DER, 361' right of centerline, up to 100' AGL/199' MSL. Transmission poles beginning 1320' from DER, 249' right of centerline, up to 63' AGL/142' MSL. Terrain 21' from DER, 125' left of centerline, 76' MSL. Trees beginning 1141' from DER, 47' left of centerline, up to 84' AGL/163' MSL. Transmission pole 2503' from DER, 115' left of centerline, 62' AGL/141' MSL.

MONROE, NC
CHARLOTTE-MONROE EXECUTIVE (EQY)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 15232 (FAA)

NOTES: **Rwy 5,** trees beginning 24' from DER, 308' right of centerline, up to 77' AGL/736' MSL. Trees beginning 70' from DER, 218' left of centerline, up to 27' AGL/686' MSL. Trees beginning 606' from DER, 58' right of centerline, up to 33' AGL/692' MSL. Poles and trees beginning 651' from DER, 19' left of centerline, up to 44' AGL/713' MSL. Trees beginning 1223' from DER, 436' right of centerline, up to 62' AGL/721' MSL. Trees beginning 2151' from DER, 79' left of centerline, up to 89' AGL/748' MSL. **Rwy 23,** runway light 12' from DER, 31' left of centerline, 2' AGL/684' MSL. Trees beginning 1714' from DER, 203' left of centerline, up to 97' AGL/746' MSL. Trees 2366' from DER, 771' right of centerline, up to 86' AGL/755' MSL.

MOORESVILLE, NC
LAKE NORMAN AIRPARK (14A)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 06327 (FAA)

TAKEOFF MINIMUMS: **Rwy 14,** std. w/ a min. climb of 294' per NM to 2900 or 1300-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 14,** for climb in visual conditions: cross Lake Norman Airpark at or above 2000' MSL before proceeding on course. **Rwy 32,** climb heading 324° to 1300 before proceeding on course.

NOTE: **Rwy 14,** terrain and multiple trees beginning 197' from DER, 308' left of centerline, up to 200' AGL/1099' MSL. Building and multiple trees beginning 158' from DER, 258' right of centerline, up to 100' AGL/979' MSL. **Rwy 32,** tree 559' from DER, on centerline, 42' AGL/851' MSL. Multiple trees beginning 47' from DER, 34' left of centerline, up to 101' AGL/890' MSL. Multiple trees beginning 526' from DER, 31' right of centerline, up to 97' AGL/886' MSL.

MORGANTON, NC
FOOTHILLS RGNL (MRN)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 11181 (FAA)
TAKEOFF MINIMUMS: **Rwy 21,** std. w/min. climb of 225' per NM to 3800.
DEPARTURE PROCEDURE: **Rwy 3,** climbing left turn direct FIQ NDB, thence ...
Rwy 21, climb direct FIQ NDB, thence ...
… continue climbing in holding pattern (Southwest, left turns, 031° inbound) to 5000 before proceeding on course.
NOTE: **Rwy 3,** trees beginning 167' from DER, 388' right of centerline, up to 100' AGL/1379' MSL. Rising terrain beginning 138' from DER, 3' right of centerline, up to 1280' MSL. Trees beginning 1180' from DER, 421' left of centerline, up to 68' AGL/1327' MSL. Rising terrain beginning 39' from DER, 223' left of centerline, up to 1277' MSL. **Rwy 21,** trees beginning 2329' from DER, 1061' right of centerline, up to 100' AGL/1339' MSL. Trees beginning 1681' from DER, 883' left of centerline, up to 100' AGL/1379' MSL.

MOUNT AIRY, NC
MOUNT AIRY/SURRY COUNTY (MWK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 14037 (FAA)
TAKEOFF MINIMUMS: **Rwy 36,** std. w/min. climb of 250' per NM to 3900, or 2300-3 for climb in visual conditions.
DEPARTURE PROCEDURE: **Rwy 18,** climb heading 180° to 3000 before turning left. **Rwy 36,** Climb on heading 360° to intercept PSK R-173 to PSK VORTAC before proceeding on course or for climb in visual conditions: cross Mount Airy/Surry County airport at or above 3400 MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.
NOTE: **Rwy 18,** vehicles on roadway beginning 102' from DER, 462' right of centerline, up to 17' AGL/1236' MSL. Trees beginning 67' from DER, 494' left of centerline, up to 70' AGL/1279' MSL. Trees beginning 594' from DER, 658' right of centerline, up to 50' AGL/1257' MSL. Building 1842' from DER, 96' left of centerline, 47' AGL/1260' MSL. Trees beginning 2717' from DER, left and right of centerline, up to 82' AGL/1300' MSL. Trees beginning 3500' from DER, 626' left of centerline, up to 100' AGL/1339' MSL. **Rwy 36,** rising terrain beginning 40' from DER, left and right of centerline, up to 1364' MSL. Power pole 408' from DER, 248' left of centerline, 40' AGL/1315' MSL. Vehicles on roadway beginning 98' from DER, left and right of centerline, up to 15' AGL/1334' MSL. Trees beginning 1089' from DER, left and right of centerline, up to 100' AGL/1399' MSL.

MOUNT OLIVE, NC
MOUNT OLIVE MUNI (W40)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 13066 (FAA)
TAKEOFF MINIMUMS: **Rwy 23,** 300-1 or std. w/ min. climb of 334' per NM to 500.
NOTE: **Rwy 5,** trees beginning 971' from DER, 27' left of centerline, up to 100' AGL/267' MSL. Trees beginning 2209' from DER, 25' right of centerline, up to 100' AGL/262' MSL. Pole 454' from DER, 407' left of centerline, 17' AGL/191' MSL. Vehicle on road 363' from DER, 115' left of centerline, 15' AGL/179' MSL. Vehicle on road 321' from DER, 106' right of centerline, 15' AGL/181' MSL. GND 14' from DER, 107' right of centerline, 167' MSL. **Rwy 23,** tower 4535' from DER, 445' right of centerline, 196' AGL/355' MSL. Trees beginning 185' from DER, 108' left of centerline, up to 100' AGL/253' MSL. Trees beginning 865' from DER, 226' right of centerline, up to 100' AGL/259' MSL. Buildings beginning 110' from DER, 323' left of centerline, up to 25' AGL/181' MSL. Poles beginning 279' from DER, 43' left of centerline, up to 20' AGL/184' MSL.

MOUNT PLEASANT, SC
MT PLEASANT RGNL-FAISON FIELD (LRO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 10126 (FAA)
DEPARTURE PROCEDURE: **Rwy 17,** climb heading 174° to 1400 before proceeding on course. **Rwy 35,** climb heading 354° to 1900 before turning right.
NOTE: **Rwy 17,** AAO 3.8 NM from DER, 4834' right of centerline, 200' AGL/210' MSL. **Rwy 35,** tree 1900' from DER, 921' left of centerline, 84' AGL/96' MSL. Tree 3043' from DER, 401' right of centerline, 83' AGL/95' MSL.

MYRTLE BEACH, SC
MYRTLE BEACH INTL (MYR)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 10042 (FAA)
NOTE: **Rwy 18,** trees beginning 1770' from DER, 664' left of centerline, up to 60' AGL/88' MSL.

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NEW BERN, NC

COASTAL CAROLINA RGNL (EWN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 12320 (FAA)

TAKEOFF MINIMUMS: **Rwy 14,** 300- 1 or std. w/ min. climb of 240' per NM to 300, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1900' prior to DER. **Rwy 32,** std. w/ min. climb of 215' per NM to 800, or 1100-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 4,** climb heading 039° to 600 before turning north. **Rwy 32,** climb heading 316° to 800 before turning north, or for climb in visual conditions cross coastal Carolina RGNL airport at or above 1000 MSL before proceeding on course. When executing VCOA, notify ATC prior to departure.

NOTE: **Rwy 4,** signs beginning 9' from DER, 429' right of centerline, up to 45' AGL/61' MSL. Vehicles on road beginning 87' from DER, 499' left of centerline, up to 17' AGL/27' MSL. Trees, sign and vertical structure beginning 648' from DER, left and right of centerline, up to 91' AGL/104' MSL. **Rwy 14,** trees beginning 92' from DER, 257' left of centerline, up to 77' AGL/92' MSL. Trees and pole beginning 226' from DER, 146' right of centerline, up to 98' AGL/118' MSL. Trees and tower beginning 3335' from DER, 118' left of centerline, up to 120' AGL/145' MSL. Antenna 5034' from DER, 1239' left of centerline, up to 147' AGL/170' MSL. **Rwy 22,** bush beginning 101' from DER, 288' left of centerline, up to 6' AGL/16' MSL. Trees beginning 803' from DER, 56' left of centerline, up to 115' AGL/116' MSL. Trees beginning 809' from DER, 87' right of centerline, up to 134' AGL/139' MSL. Trees beginning 2977' from DER, left and right of centerline, up to 115' AGL/122' MSL. **Rwy 32**, bush and trees beginning 141' from DER, 236' left of centerline, up to 68' AGL/78' MSL. Trees beginning 718' from DER, right of centerline, up to 101' AGL/111' MSL. Trees and transmission tower 744' from DER, 31' left of centerline, up to 116' AGL/126' MSL.

NEWBERRY, SC

NEWBERRY COUNTY (EOE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 08325 (FAA)

NOTE: **Rwy 4,** multiple trees beginning 1895' from DER, left and right of centerline, up to 100' AGL/659' MSL. **Rwy 22,** multiple trees beginning 500' from DER, left and right of centerline, up to 100' AGL/629' MSL.

NORTH AF AUX (KXNO)

NORTH, SC

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

14177

CAUTION: **Rwy 5/23** diverse departure procedures not authorized at night. **Rwy 5/23** diverse departure not for civil use.

TAKE-OFF OBSTACLES: **Rwy 5,** building 945' from DER, 687' right of centerline, 29' AGL/351' MSL. Pylon 3627' from DER, 1029' left of centerline, 79' AGL/366' MSL. Possible vehicle on road 473' from DER, 336' left of centerline to 711' right of centerline, 15' AGL/349' MSL. Tree grouping 2464' from DER, 819' left of centerline, 104' AGL/383' MSL. **Rwy 6,** possible C-5 on taxiway B, 687' from DER, 535' right of centerline, 65' AGL/386' MSL. Pylon 2363' from DER, 1572' left of centerline, 79' AGL/403' MSL. Multiple towers 2450' to 2821' from DER, 922' to 1127' left of centerline, 53' AGL/381' MSL. Trees 1409' to 3007' from DER, 162' to 1002' left of centerline, 104' AGL/408' MSL. **Rwy 24,** pylon 1729' from DER, 1456' right of centerline, 79' AGL/325' MSL. Trees 1092' to 2049' from DER, 344' to 885' right of centerline, 91' AGL/335' MSL.

NORTH MYRTLE BEACH, SC

GRAND STAND (CRE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10014 (FAA)

NOTE: **Rwy 5,** vehicles on roadway 8' from DER, 455' right of centerline, up to 16' AGL/41' MSL. Trees beginning 1782' from DER, 6' right of centerline, up to 74' AGL/103' MSL. **Rwy 23,** trees beginning 43' from DER, 399' right of centerline, up to 33' AGL/58' MSL. Sign 60' from DER, 205' left of centerline, 11' AGL/36' MSL. Trees beginning 1393' from DER, 277' left of centerline, up to 62' AGL/88' MSL.

NORTH WILKESBORO, NC

WILKES COUNTY (UKF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 90347 (FAA)

TAKEOFF MINIMUMS: **Rwy 1,** 400-1 or std. with a min. climb of 300' per NM to 1700.

OAK ISLAND, NC

CAPE FEAR RGNL JETPORT / HOWIE FRANKLIN FLD (SUT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 12180 (FAA)

TAKEOFF MINIMUMS: **Rwy 5,** 400-3 or std. w/min. climb of 210' per NM to 600, or alternatively with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1500' prior to DER.

NOTE: **Rwy 5,** building, trees and towers beginning 18' from DER, 21' right of centerline, up to 92' AGL/97' MSL. Trees beginning 257' from DER, 21' left of centerline, up to 89' AGL/104' MSL. **Rwy 23,** trees beginning 42' from DER, left and right of centerline, up to 92' AGL/102' MSL.

ORANGEBURG, SC
ORANGEBURG MUNI (OGB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3A 10126 (FAA)
DEPARTURE PROCEDURE: **Rwy 5,** climb heading 049° to 1000 before proceeding on course. **Rwy 35,** climb heading 354° to 900 before proceeding on course.
NOTE: **Rwy 5,** trees beginning 190' from DER, 384' left of centerline, up to 100' AGL/289' MSL. Railroad 768' from DER, 407' right of centerline, 23' AGL/220' MSL. **Rwy 17,** trees beginning 2885' from DER, 1082' left of centerline, up to 100' AGL/282' MSL. Trees beginning 1132' from DER, 798' right of centerline, up to 100' AGL/257' MSL. **Rwy 23,** trees beginning 32' from DER, 45' left of centerline, up to 100' AGL/251' MSL. Power pole 1260' from DER, 127' left of centerline, 50' AGL/202' MSL. Trees beginning 870' from DER, 419' right of centerline, up to 100' AGL/259' MSL. **Rwy 35,** trees beginning 764' from DER, 703' left of centerline, up to 100' AGL/272' MSL. Trees beginning 1567' from DER, 473' right of centerline, up to 100' AGL/282' MSL. Terrain 13' from DER, 34' right of centerline, 174' MSL.

OXFORD, NC
HENDERSON-OXFORD (HNZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 15064 (FAA)
DEPARTURE PROCEDURE: **Rwy 24,** climb heading 240° to 1300 before turning right.
NOTE: **Rwy 6,** trees beginning 263' from DER, 358' left of centerline, up to 68' AGL/558' MSL. Trees beginning 670' from DER, 496' right of centerline, up to 60' AGL/552' MSL. **Rwy 24,** silo, vehicles on road, telephone line, and trees beginning 7' from DER, 353' right of centerline, up to 88' AGL/601' MSL. Trees beginning 771' from DER, 10' left of centerline, up to 100' AGL/595' MSL. Trees beginning 1596' from DER, 248' left of centerline, up to 100' AGL/618' MSL.

PAGELAND, SC
PAGELAND (PYG)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09071 (FAA)
NOTE: **Rwy 5,** trees beginning 365' from DER, 353' right of centerline, up to 100' AGL/689' MSL. Power lines 593' from DER, 93' right to 109' left of centerline, 100' AGL/679' MSL. Vehicle on road 12' from DER, 377' right of centerline, 15' AGL/582' MSL. Trees beginning 19' from DER, 455' left of centerline, up to 100' AGL/689' MSL. Vehicle on road 612' from DER, 329' left to right of centerline, 15' AGL/594' MSL. **Rwy 23,** trees beginning 29' from DER, 243' right of centerline, up to 100' AGL/679' MSL. Trees beginning 294' from DER, 290' left of centerline, up to 100' AGL/669' MSL. Vehicle on road 34' from DER, 413' left of centerline, 15' AGL/574' MSL. Power line, 1863' from DER, 987' left of centerline, 79' AGL/609' MSL.

PELION, SC
LEXINGTON COUNTY AT PELION (6J0)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09155 (FAA)
NOTE: **Rwy 18,** trees beginning 1705' from DER, 1' right of centerline, up to 71' AGL/521' MSL. Trees beginning 429' from DER, 298' left of centerline, up to 34' AGL/484' MSL. Power poles 430' from DER, 298' left of centerline, 33' AGL/484' MSL. **Rwy 36,** trees beginning 2016' from DER, 301' right of centerline, up to 59' AGL/511' MSL.

PICKENS, SC
PICKENS COUNTY (LQK)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09351 (FAA)
DEPARTURE PROCEDURE: **Rwy 5,** climb heading 048° to 2300 then climbing right turn via heading 120° to 3400 to intercept V20-35. **Rwy 23,** climb heading 228° to 2200 then climbing left turn via heading 120° to 3400 to intercept V20-35.
NOTE: **Rwy 5,** tree 30' from DER, 299' left of centerline, 9' AGL/1022' MSL. Vehicles on roadway, 424' from DER, left and right of centerline, up to 15' AGL/1028' MSL. Trees beginning 1531' from DER, 691' left of centerline, up to 107' AGL/1038' MSL. Tree 3019' from DER, 450' right of centerline, 120' AGL/1095' MSL. **Rwy 23,** tree 906' from DER, 269' left of centerline, 91' AGL/990' MSL. Trees beginning 1015' from DER, 466' right of centerline, up to 106' AGL/1022' MSL.

PINEHURST/SOUTHERN PINES, NC
MOORE COUNTY (SOP)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09183 (FAA)
NOTE: **Rwy 5,** terrain 448' from DER, 343' right of centerline, 443' MSL. Trees beginning 663' from DER, 137' right of centerline, up to 100' AGL/475' MSL. Terrain 141' from DER, 329' left of centerline, 435' MSL. Trees beginning 176' from DER, 220' left of centerline, up to 100' AGL/529' MSL. **Rwy 23,** pipe 228' from DER, 431' right of centerline, 13' AGL/463' MSL. Antenna 657' from DER, 415' right of centerline, 32' AGL/482' MSL. Trees beginning 701' from DER, 422' right of centerline, up to 100' AGL/579' MSL. Trees beginning 364' from DER, 353' left of centerline, up to 100' AGL/569' MSL.

PLYMOUTH, NC
PLYMOUTH MUNI (PMZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 11349 (FAA)
TAKEOFF MINIMUMS: **Rwy 3,** 400-2 or std. w/min. climb of 270' per NM to 500.
DEPARTURE PROCEDURE: **Rwy 3,** climb heading 027° to 500 before turning left.
NOTE: **Rwy 3,** trees beginning 283' from DER, 55' left of centerline, up to 100' AGL/130' MSL. Trees beginning 109' from DER, 8' right of centerline, up to 100' AGL/130' MSL. Antenna 1.5 NM from DER, 3068' left of centerline, 347' AGL/366' MSL. **Rwy 21,** trees beginning 119' from DER, 8' left of centerline, up to 100' AGL/134' MSL. Trees beginning 123' from DER, 39' right of centerline, up to 100' AGL/134' MSL.

POPE AAF (KPOB)
FORT BRAGG, NC
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 5, 15176

DEPARTURE PROCEDURE: **Rwy 5:** Expect radar vectors from Fayetteville Approach. **Rwy 23:** Expect radar vectors from Fayetteville Approach. Standard with minimum climb of 232 ft/NM to 1000', or 1100-3 for climb in visual conditions to 1200' MSL within 5.49 NM of KPOB airport, then proceed on course, max airspeed 250 KIAS.

TAKE-OFF OBSTACLES: **Rwy 5,** multiple trees 1492' to 1554' from DER, 776' right of centerline, up to 52' AGL/238' MSL. Multiple trees 1960' to 3435' from DER, 800' right of centerline, up to 113' AGL/290' MSL. Multiple trees 1866' to 2816' from DER, 996' left of centerline, up to 114' AGL/288' MSL. Multiple trees 2882' to 3269' from DER, 695' left of centerline, up to 120' AGL/291' MSL. **Rwy 23,** fence 1201' from DER, 71' left of centerline, 247' MSL. Terrain 1901' from DER, 1010' right of centerline, 268' MSL. Multiple trees 1328' to 2168' from DER, 247' right of centerline, up to 56' AGL/284' MSL. Multiple trees 2322' to 3273' from DER, 247' right of centerline, up to 101' AGL/334' MSL. Multiple trees 3385' to 4417' from DER, 389' right of centerline, up to 84' AGL/339' MSL. Multiple trees 1278' to 2100' from DER, 228' left of centerline, up to 69' AGL/304' MSL. Multiple trees 2260' to 2991' from DER, 153' left of centerline, up to 61' AGL/306' MSL. Multiple trees 3139' to 4013' from DER, 495' left of centerline, up to 89' AGL/355' MSL. Forestry Tower 2.2 NM from DER, 3399' right of centerline, 140' AGL/559' MSL. Tower 3.0 NM from DER, 1.4 NM right of centerline, 220' AGL/746' MSL. Tree 1.4 NM from DER, 2527' left of centerline, 120' AGL/473' MSL. C-5 976' from DER, 294' left of centerline, 65' AGL/274' MSL.

RAEFORD, NC
P K AIRPARK (5W4)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 10322 (FAA)

NOTE: **Rwy 4,** rising terrain 48' from DER, left and right of centerline, up to 332' MSL. Trees beginning 83' from DER, left and right of centerline, up to 100' AGL/429' MSL. Vehicles on road beginning 329' from DER, 189' right of centerline, up to 15' AGL/324' MSL. **Rwy 22,** terrain 42' from DER, left and right of centerline, up to 306' MSL. Trees beginning 268' from DER, left and right of centerline, up to 100' AGL/389' MSL. Vehicles on road beginning 1' from DER, left and right of centerline, up to 15' AGL/314' MSL.

RALEIGH-DURHAM, NC
RALEIGH-DURHAM INTL (RDU)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 6 10322 (FAA)

TAKEOFF MINIMUMS: **Rwy 32,** 300-1.

DEPARTURE PROCEDURE: **Rwy 14,** climb heading 142° to 1400 before turning right. **Rwy 23L,** climb heading 232° to 1900 before turning left. **Rwy 23R,** climb heading 232° to 1800 before turning left.

NOTE: **Rwy 5L,** trees 3802' from DER, 1237' left of centerline, up to 77' AGL/506' MSL. Tank and trees beginning 2011' from DER, 948' right of centerline, up to 138' AGL/547' MSL. **Rwy 5R,** trees 1436' from DER, 803' right of centerline, up to 80' AGL/469' MSL. **Rwy 14,** trees beginning 2021' from DER, 510' left of centerline, up to 116' AGL/545' MSL. Trees beginning 2467' from DER, 2' right of centerline, up to 122' AGL/571' MSL. **Rwy 23L,** trees 1495' from DER, 797' left of centerline, up to 58' AGL/447' MSL. Light pole 1457' from DER, 878' right of centerline, 93' AGL/452' MSL. **Rwy 32,** light poles beginning 1170' from DER, 618' left of centerline, up to 55' AGL/486' MSL. Hangar 1242' from DER, 753' right of centerline, 34' AGL/473' MSL. Control tower 2207' from DER, 910' right of centerline, 231' AGL/660' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)
ORIG 15064 (FAA)

Rwy 14, heading as assigned by ATC; requires minimum climb of 230' per NM to 2700. **Rwy 23L,** heading as assigned by ATC; requires minimum climb of 250' per NM to 2700. **Rwy 23R,** heading as assigned by ATC; requires minimum climb of 240' per NM to 2700.

REIDSVILLE, NC
ROCKINGHAM COUNTY NC SHILOH (SIF)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 09295 (FAA)

TAKEOFF MINIMUMS: **Rwy 31,** 400-2 or std. w/ a min. climb of 535' per NM to 1200.

NOTE: **Rwy 13,** trees beginning 40' from DER, 63' left of centerline, up to 100' AGL/768' MSL. Power pole 1192' from DER, 430' right of centerline, 30' AGL/702' MSL. Tree beginning 1539' from DER, 30' right of centerline, up to 100' AGL/755' MSL. **Rwy 31,** power pole 2054' from DER, 243' right of centerline, 30' AGL/763' MSL. Vehicle on road 31' from DER, 485' left of centerline, 15' AGL/714' MSL. Trees beginning 1164' from DER, 187' right of centerline, up to 100' AGL/1019' MSL. Trees beginning 152' from DER, 317' left of centerline, up to 100' AGL/979' MSL. Rising terrain beginning 123' from DER, 27' left of centerline, up to 939' MSL. Rising terrain beginning 64' from DER, 27' right of centerline, up to 939' MSL.

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ROCK HILL, SC
ROCK HILL/YORK COUNTY/BRYANT FIELD (UZA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 15232 (FAA)
NOTE: **Rwy 2,** trees beginning 99' from DER, 491' right of centerline, up to 89' AGL/750' MSL. Trees beginning 1857' from DER, 77' right of centerline, up to 101' AGL/730' MSL. Trees beginning 2096' from DER, 3' left of centerline, up to 84' AGL/723' MSL. **Rwy 20,** vegetation 153' from DER, 470' right of centerline, up to 8' AGL/673' MSL. Trees 3231' from DER, 40' left of centerline, up to 83' AGL/749' MSL.

ROCKINGHAM, NC
RICHMOND COUNTY (RCZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 10154 (FAA)
TAKEOFF MINIMUMS: **Rwys 4, 22,** NA-Environmental.
NOTE: **Rwy 14,** multiple trees beginning 676' from DER, 20' right of centerline, up to 100' AGL/441' MSL. Multiple trees beginning 5' from DER, 75' left of centerline, up to 100' AGL/458' MSL. Train beginning 6' from DER, 355' left of centerline, 23' AGL/382' MSL. **Rwy 32,** tree 1152' from DER, 443' left of centerline, 100' AGL/399' MSL. Tree 181' from DER, 428' right of centerline, 100' AGL/429' MSL. Vehicles on roadway 34' from DER, 498' right of centerline, up to 15' AGL/364' MSL.

ROCKY MOUNT, NC
ROCKY MOUNT-WILSON RGNL (RWI)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 12096 (FAA)
DEPARTURE PROCEDURE: **Rwy 22,** climb heading 222° to 1200 before turning right.
NOTE: **Rwy 4,** trees 1457' from DER, 792' left of centerline, up to 58' AGL/207' MSL. Trees 2452' from DER, 751' right of centerline, up to 72' AGL/231' MSL. **Rwy 22,** trees beginning 1215' from DER, 428' left of centerline, up to 66' AGL/224' MSL. Trees 2452' from DER, 665' right of centerline, up to 45' AGL/204' MSL.

ROXBORO, NC
PERSON COUNTY (TDF)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 06215 (FAA)
NOTE: **Rwy 6,** trees 1600' from DER, 200' right of centerline, 100' AGL/729' MSL. **Rwy 24,** trees 562' from DER, 577' left of centerline, 100' AGL/699' MSL.

RUTHERFORDTON, NC
RUTHERFORD CO-MARCHMAN FIELD (FQD)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 3 15148 (FAA)
TAKEOFF MINIMUMS: **Rwy 1**, std. w/min. climb of 220' per NM to 2600 or 2900-3 for VCOA. **Rwy 19**, std. w/ min. climb of 205' per NM to 3100 or 2900-3 for VCOA.
DEPARTURE PROCEDURE: **Rwy 1,** Climbing right turn heading 130° to intercept 200° course to FRT NDB. ADF required. **Rwy 19:** Climb heading 189° to 3100 before proceeding on course.
VISUAL CLIMB: Obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Rutherford CO-Marchman Field at or above 3800 before proceeding on course.
NOTE: **Rwy 1:** tree 6' from DER, 377' left of centerline, 80' AGL/1139' MSL. NAVAID 174' from DER, 250' left of centerline, 25' AGL/1088' MSL. Tree 315' from DER, 478' right of centerline, 52' AGL/1151' MSL. Tree 862' from DER, 50' right of centerline, 100' AGL/1139' MSL. Tree 1985' from DER, 988' right of centerline, 67' AGL/1166' MSL. Tree 2107' from DER, 318' right of centerline, 100' AGL/1219' MSL. Tree 3250' from DER, 825' right of centerline, 100' AGL/1219' MSL. **Rwy 19:** tree 28' from DER, 329' left of centerline, 60' AGL/1080' MSL. Tree 259' from DER, 500' right of centerline, 100' AGL/1139' MSL. Tree 489' from DER, 455' right of centerline, 26' AGL/1088' MSL. Tree 2358' from DER, 200' left of centerline, 100' AGL/1139' MSL.

ST. GEORGE, SC
ST. GEORGE (6J2)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 08101 (FAA)
NOTE: **Rwy 5,** tree 3021' from DER, 186' left of centerline, 100' AGL/175' MSL. **Rwy 23,** tree 1401' from DER, 259' right of centerline, 100' AGL/178' MSL.

SALISBURY, NC
ROWAN COUNTY (RUQ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 15232 (FAA)
TAKEOFF MINIMUMS: **Rwy 20,** 400 - 2¾ or std. w/min. climb of 205' per NM to 1300, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1200' prior to DER.
DEPARTURE PROCEDURE: **Rwy 20,** climb heading 202° to 1700 before turning right.
NOTE: **Rwy 2,** trees beginning 106' from DER, 474' right of centerline, up to 68' AGL/787' MSL.
Rwy 20, trees beginning 167' from DER, 483' right of centerline, up to 31' AGL/810' MSL. Building and trees beginning 668' from DER, 275' left of centerline, up to 40' AGL/809' MSL. Trees beginning 890' from DER, 59' right of centerline, up to 43' AGL/822' MSL. Trees beginning 1055' from DER, 476' right of centerline, up to 112' AGL/871' MSL. Trees beginning 2251' from DER, 3' left of centerline, up to 97' AGL/896' MSL. Trees beginning 2410' from DER, 17' right of centerline, up to 114' AGL/913' MSL. Tower 2.3 NM from DER, 2196' right of centerline, 306' AGL/1121' MSL.

SALUDA, SC
SALUDA COUNTY (6J4)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09351 (FAA)
TAKEOFF MINIMUMS: **Rwy 19,** 300-2 or std. w/ min. climb of 207' per NM to 900, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1400' prior to DER.
NOTE: **Rwy 1,** numerous trees beginning abeam DER, 40' left of centerline, up to 66' AGL/635' MSL. Numerous trees beginning abeam DER, 35' right of centerline, up to 100' AGL/649' MSL. **Rwy 19,** numerous trees beginning abeam DER, 20' left of centerline, up to 43' AGL/552' MSL. Numerous trees beginning abeam DER, 30' right of centerline, up to 100' AGL/639' MSL.

SANFORD, NC
RALEIGH EXEC JETPORT AT SANFORD-LEE COUNTY (TTA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 11237 (FAA)
DEPARTURE PROCEDURE: **Rwy 3,** climb heading 029° to 1100 before turning right. **Rwy 21,** climb heading 209° to 1500 before turning left.
NOTE: **Rwy 3,** trees beginning 3313' from DER, 380' right of centerline, up to 89' AGL/318' MSL. **Rwy 21,** trees beginning 89' from DER, 435' right of centerline, up to 29' AGL/259' MSL.

SEYMOUR JOHNSON AFB (KGSB)
GOLDSBORO, NC
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2, 14205
TAKE-OFF MINIMUMS: **Rwy 26,** 200-1½ or standard with minimum climb of 210 ft/NM to 500' or with standard minimums and a standard 200 ft/NM climb gradient, takeoff must occur no later than 1300' prior to DER.
TAKE-OFF OBSTACLES: Rwy 8, vehicle, 15' AGL/128' MSL, 1547' from DER, 796' right of centerline. Multiple trees, 80' AGL/194' MSL, beginning 3014' from DER, 952' left of centerline. **Rwy 26,** trees 110' AGL/235' MSL, 1.2 NM from DER, 1155' left of centerline.

SHAW AFB (KSSC)
SUMTER, SC
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG, 14289
TAKE-OFF OBSTACLES: **Rwy 4R,** terrain 500' left of centerline, at the threshold, 236' MSL. Surveyed terrain 500' left of centerline, 234' MSL. **Rwy 22L,** radio tower 5137' from DER, 1701' left of centerline, 140' AGL/369' MSL. Glideslope antenna 563' from DER, 500' right of centerline, 40' AGL/273' MSL. Terrain 0' inward of DER, 500' right of centerline, 236' MSL. **Rwy 22R,** terrain beginning at 255' from DER, 500' right of centerline to 568' right of centerline, up to 246' MSL. Trees 4651' from DER, 832' right of centerline, 65' AGL/337' MSL.

SHELBY, NC
SHELBY-CLEVELAND COUNTY RGNL (EHO)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09015 (FAA)
NOTE: **Rwy 5,** trees beginning 74' from DER, 394' left of centerline, up to 99' AGL/899' MSL. Trees beginning 2018' from DER, 804' right of centerline, up to 100' AGL/919' MSL.
Rwy 23, trees beginning 186' from DER, 148' left of centerline, up to 93' AGL/903' MSL.

SILER CITY, NC
SILER CITY MUNI (SCR)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 15008 (FAA)
TAKEOFF MINIMUMS: **Rwy 4,** 300-1¾ or std. w/min. climb of 236' per NM to 1000 or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 2000' prior to DER.
NOTE: **Rwy 4,** trees beginning 25' from DER, 25' right of centerline, up to 96' AGL/855' MSL. Poles beginning 158' from DER, 364' left of centerline, up to 34' AGL/643' MSL. Trees beginning 275' from DER, 3' left of centerline, up to 96' AGL/825' MSL. **Rwy 22,** trees beginning 8' from DER, 3' left of centerline, up to 77' AGL/736' MSL. Vehicles on road beginning 86' from DER, 330' right of centerline, up to 15' AGL/612' MSL. Trees beginning 154' from DER, 5' right of centerline, up to 100' AGL/749' MSL. Bldg 374' from DER, 466' right of centerline, 20' AGL/619' MSL. Pole 490' from DER, 357' right of centerline, 26' AGL/625' MSL. Pole 580' from DER, 481' right of centerline, 18' AGL/617' MSL. Bldg 591' from DER. 427' right of centerline, 16' AGL/615' MSL. Pole 769' from DER, 314' right of centerline, 19' AGL/618' MSL. Pole 1188' from DER, 253' right of centerline, 23' AGL/632' MSL.

SIMMONS AAF (KFBG)
FORT BRAGG, NC
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2A, 13010
Rwy 27, 400-2½*
* Or standard with minimum climb of 230 ft/NM to 700.
DEPARTURE PROCEDURE: **Rwy 27,** climb heading 273° to 800 before proceeding on course.
TAKEOFF OBSTACLES: **Rwy 9,** Terrain 233' MSL, beginning 80' from DER, 27' right of centerline. **Rwy 27,** Terrain 283' MSL, beginning 105' from DER, left and right of centerline. Antenna, 292' AGL/584' MSL, 1.9 NM from DER, 3586' right of centerline.

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SMITHFIELD, NC

JOHNSTON RGNL (JNX)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 4 15120 (FAA)

TAKEOFF MINIMUMS: **Rwy 3,** 300-1½ or std. w/ min climb of 265' per NM to 500. **Rwy 21,** 500-2¾ or std. w/ min climb of 265' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 032° to 1500 before turning left. **Rwy 21,** climb heading 212° to 1000 before turning right.

NOTE: **Rwy 3,** trees beginning 35' from DER, 380' right of centerline, up to 96' AGL/276' MSL. Terrain 99' from DER, 364' right of centerline, 171' MSL. Poles beginning 1236' from DER, 30' left and right of centerline, up to 44' AGL/234' MSL. Trees beginning 2317' from DER, 103' left of centerline, up to 100' AGL/349' MSL. Building 2610' from DER, 244' left of centerline, 36' AGL/231' MSL. Tank 2732' from DER, 6' left of centerline, 45' AGL/238' MSL. Tree 1 NM from DER, 251' right of centerline, 131' AGL/301' MSL. **Rwy 21,** trees beginning 1' from DER, 338' right of centerline, up to 100' AGL/269 MSL. Trees beginning 21' from DER, 366' left of centerline, up to 62' AGL/232' MSL. Terrain 1374' from DER, 589' left of centerline, 187' MSL. Pole 1409' from DER, 816' left of centerline, 27' AGL/210' MSL. Tower 2.6 NM from DER, 2887' right of centerline, 378' AGL/613 MSL.

SPARTANBURG, SC

SPARTANBURG DOWNTOWN MEMORIAL (SPA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 15288 (FAA)

NOTE: **Rwy 5,** trees 189' from DER, 402' right of centerline, up to 31' AGL/832' MSL. Trees 1260' from DER, 660' left of centerline, up to 70' AGL/837' MSL. **Rwy 23,** terrain 10' from DER, on centerline, up to 793' MSL. Trees 136' from DER, 451' left of centerline, up to 67' AGL/825' MSL. Trees beginning 3390' from DER, 301' right of centerline, up to 93' AGL/ 901' MSL. Trees 3476' from DER, 208' left of centerline, up to 87' AGL/884' MSL.

STAR, NC

MONTGOMERY COUNTY (43A)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 14261 (FAA)

TAKEOFF MINIMUMS: **Rwy 3,** 300-1¼ or std. w/min. climb of 205' per NM to 900, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1200' prior to DER. **Rwy 21,** 300-1¼ or std. w/min. climb of 238' per NM to 800, or alternatively, with standard takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1900' prior to DER.

NOTE: **Rwy 3,** tank 6188' from DER, 1619' left of centerline, 145' AGL/793' MSL. Trees beginning 7' from DER, 169' left of centerline, up to 100' AGL/739' MSL. Trees beginning 250' from DER, 334' right of centerline, up to 100' AGL/739' MSL. Power line beginning 123' from DER, 38' right of centerline, 40' AGL/670' MSL. **Rwy 21,** trees beginning 184' from DER, 407' left of centerline, up to 100' AGL/729' MSL. Trees beginning 24' from DER, 259' right of centerline, up to 100' AGL/719' MSL.

STATESVILLE, NC

STATESVILLE RGNL (SVH)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 05300 (FAA)

TAKEOFF MINIMUMS: **Rwy 28,** 300-1¾ or std. with a min. climb of 220' per NM to 1300.

NOTE: **Rwy 28,** power line tower 8880' from DER, 858' right of centerline, 180' AGL/1199' MSL.

SUMMERVILLE, SC

SUMMERVILLE (DYB)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 10210 (FAA)

DEPARTURE PROCEDURE: **Rwy 6,** climb heading 056° to 600 before turning left. **Rwy 24,** climb heading 236° to 800 before turning right.

NOTE: **Rwy 6,** vehicles on road beginning 7' from DER, left and right of centerline, up to 15' AGL/64' MSL. Trees beginning 556' from DER, left and right of centerline, up to 100' AGL/154' MSL. **Rwy 24,** tree 58' from DER, 459' left of centerline, 84' AGL/114' MSL.

SUMTER, SC

SUMTER (SMS)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 09295 (FAA)

TAKEOFF MINIMUMS: **Rwys 14, 32,** NA-VFR only. **Rwy 23,** std. w/ a min. climb of 221' per NM to 800 or 900-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 23,** for climb in visual conditions: cross Sumter airport at or above 900 MSL before proceeding on course.

NOTE: **Rwy 23,** trees beginning 2876' from DER, 559' left of centerline, up to 72' AGL/251' MSL. Trees beginning 117' from DER, 210' right of centerline, up to 86' AGL/265' MSL.

SYLVA, NC
JACKSON COUNTY (24A)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 15008 (FAA)

TAKEOFF MINIMUMS: **Rwy 15,** std. w/min. climb of 548' to 5100 or 3300-3 for climb in visual conditions. **Rwy 33,** std. w/min. climb of 355' to 6400 or 3300-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 15,** climb heading 147° to 6100 before proceeding on course. For climb in visual conditions, cross Jackson County airport at or above 6000 before proceeding on course. When executing VCOA, notify ATC prior to departure. **Rwy 33,** climb heading 327° to 6400 before proceeding on course. For climb in visual conditions, cross Jackson County airport at or above 6000 before proceeding on course. When executing VCOA, notify ATC prior to departure.

NOTE: **Rwy 15,** trees beginning 109' from DER, 31' left of centerline, up to 100' AGL/2939' MSL. Trees beginning 19' from DER, 53' right of centerline, up to 100' AGL/2859' MSL. Building 221' from DER, 324' left of centerline, 25' AGL/2864' MSL. Airplane on tarmac 137' from DER, 140' left of centerline, up to 20' AGL/2899' MSL. Transmission tower 1763' from DER, 860' right of centerline, up to 200' AGL/2879' MSL. **Rwy 33,** trees beginning 2' from DER, 182' left of centerline, up to 100' AGL/2979' MSL. Trees beginning 6' from DER, 27' right of centerline, up to 100' AGL/2979' MSL.

TARBORO, NC
TARBORO-EDGECOMBE (ETC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 93173 (FAA)

DEPARTURE PROCEDURE: **Rwy 27,** climb runway heading to 500 before turning.

UNION, SC
UNION COUNTY, TROY SHELTON FIELD (35A)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 13234 (FAA)

NOTE: **Rwy 5,** trees beginning 1006' from DER, 20' right of centerline, up to 100' AGL/759' MSL. **Rwy 23,** trees beginning 2115' from DER, 20' left of centerline, up to 100' AGL/679' MSL.

WADESBORO, NC
ANSON COUNTY-JEFF CLOUD FIELD (AFP)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 11069 (FAA)

TAKEOFF MINIMUMS: **Rwy 16,** 400-2¼ or std. w/min. climb of 220' per NM to 800, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, TAKEOFF must occur no later than 1900' prior to DER.

NOTE: **Rwy 16,** trees beginning 64' from DER, 298' left of centerline, up to 70' AGL/359' MSL. Terrain beginning 112' from DER, 375' right of centerline, up to 0' AGL/311' MSL. Trees 1.8 NM from DER, 2732' left of centerline, up to 100' AGL/609' MSL. **Rwy 34,** trees beginning 722' from DER, 39' left of centerline, up to 84' AGL/403' MSL. Trees beginning 446' from DER, 9' right of centerline, up to 85' AGL/384' MSL.

WALLACE, NC
HENDERSON FIELD (ACZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09071 (FAA)

TAKEOFF MINIMUMS: **Rwy 9,** 300-1 or std. w/ min. climb of 389' per NM to 400.

NOTE: **Rwy 9,** trees 2329' from DER, 462' left of centerline, 100' AGL/119' MSL. Pole 5056' from DER, 1074' left of centerline, 183' AGL/216' MSL. **Rwy 27,** vehicles on roadway 299' from DER, 421' right of centerline, 15' AGL/54' MSL. Trees 4916' from DER, 1296' left of centerline, 100' AGL/169' MSL.

WALNUT COVE, NC
MEADOW BROOK FIELD (N63)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 12320 (FAA)

TAKEOFF MINIMUMS: **Rwy 16,** 500-3 or std. w/ min. climb of 324' per NM to 2000. **Rwy 34,** 600-3 w/ min. climb of 229' per NM to 1400 or 1800-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 16,** climb heading 166° to 1400 before proceeding on course. **Rwy 34,** climb heading 001° to 2800 before turning West or for climb in visual conditions: cross Meadow Brook Field airport at or above 2300 before proceeding on course. When executing VCOA, notify ATC prior to departure.

NOTE: **Rwy 16,** vehicle on road 428' from DER, 591' left of centerline, up to 15' AGL/674' MSL. Trees beginning 541' from DER, 618' right of centerline, up to 65' AGL/804' MSL. Power line 2525' from DER, 226' right of centerline, 79' AGL/716' MSL. Tank 5738' from DER, 742' right of centerline, 157' AGL/863' MSL. Terrain 1.7 NM from DER, 2265' right of centerline, 999' MSL.

Rwy 34, tree 1071' from DER, 517' right of centerline, 100' AGL/784' MSL. Trees beginning 1056' from DER, 844' left of centerline, up to 65' AGL/744' MSL. Trees 1.9 NM from DER, left and right of centerline, up to 100' AGL/ 1019' MSL.

WALTERBORO, SC
LOW COUNTRY RGNL (RBW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 13122 (FAA)

NOTE: **Rwy 5**, electrical system 28' from DER, 125' left of centerline, 3' AGL/103' MSL. Electrical system 29' from DER, 125' right of centerline, 2' AGL/102' MSL. Pole 139' from DER, 396' left of centerline, 4' AGL/105' MSL. Trees beginning 1787' from DER, 242' right of centerline, up to 54' AGL/158' MSL. Trees beginning 1903' from DER, 230' left of centerline, up to 54' AGL/186' MSL. Trees beginning 2898' from DER, 488' right of centerline, up to 75' AGL/196' MSL. **Rwy 9,** terrain beginning 51' from DER, 195' left of centerline, up to 96' MSL. **Rwy 17,** trees beginning 1487' from DER, 441' right of centerline, up to 106' AGL/167' MSL. Tree 1579' from DER, 836' left of centerline, 117' AGL/176' MSL. **Rwy 23,** trees beginning 15' from DER, 499' right of centerline, up to 80' AGL/161' MSL. Trees beginning 1493' from DER, 10' right of centerline, up to 80' AGL/192' MSL. Trees beginning 1492' from DER, 15' left of centerline, up to 86' AGL/200' MSL. **Rwy 27,** tank 4946' from DER, 151' right of centerline, 140' AGL/219' MSL.

WASHINGTON, NC
WASHINGTON-WARREN (OCW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1A 15260 (FAA)
TAKEOFF MINIMUMS: **Rwy 23,** 300-1 or std. with a min. climb of 250' per NM to 300.
DEPARTURE PROCEDURE: **Rwys 17, 29, 35,** climb runway heading to 400 before turning.

WAXHAW, NC
JAARS-TOWNSEND (N52)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09071 (FAA)
TAKEOFF MINIMUMS: **Rwy 4,** 300-1 or std. w/ min. climb of 255' per NM to 900, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 2200' prior to DER.
NOTE: **Rwy 4,** trees beginning 3' from DER, left and right of centerline, up to 100' AGL/759' MSL. **Rwy 22,** trees beginning 2' from DER, left and right of centerline, up to 100' AGL/709' MSL.

WHITEVILLE, NC
COLUMBUS COUNTY MUNI (CPC)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 09183 (FAA)
NOTE: **Rwy 6,** trees beginning 2145' from DER, 553' right of centerline, up to 100' AGL/189' MSL. Trees beginning 2690' from DER, 838' left of centerline, up to 100' AGL/169' MSL. **Rwy 24,** trees beginning 1706' from DER, 831' right of centerline, up to 100' AGL/209' MSL. Trees beginning 732' from DER, 396' left of centerline, up to 100' AGL/209' MSL.

WILLIAMSTON, NC
MARTIN COUNTY (MCZ)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 07214 (FAA)
NOTE: **Rwy 3,** trees beginning 158' from DER, 98' right of centerline, up to 100' AGL/172' MSL. Trees beginning 3041' from DER, 168' left of centerline up to 100' AGL/172' MSL. **Rwy 21,** trees beginning 130' from DER, 57' right of centerline up to 100' AGL/168' MSL. Trees beginning 1393' from DER, 411' left of centerline up to 100' AGL/168' MSL. Vehicle on road 428' from DER, 15' AGL/80' MSL.

WILMINGTON, NC
WILMINGTON INTL(ILM)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 1 07130 (FAA)
NOTE: **Rwy 6,** tree 2723' from DER, 558' left of centerline 57' AGL/90' MSL. Tree 3201' from DER, 401' right of centerline 73' AGL/110' MSL. Tree 3552' from DER, 643' right of centerline, 78' AGL/118' MSL. **Rwy 17,** multiple trees beginning 177' from DER, 438' right of centerline, up to 32' AGL/49' MSL. Tree 187' from DER, 545' left of centerline, 24' AGL/41' MSL. Multiple trees beginning 418' from DER, 540' left of centerline, up to 39' AGL/53' MSL. Tree 620' from DER, 246' left of centerline, 24' AGL/38' MSL. Tree 1468' from DER, 684' right of centerline, 66' AGL/83' MSL. Tree 1689' from DER, 592' right of centerline, 52' AGL/69' MSL. Transmission lines 3347' from DER, 1300' left to 1300' right of centerline, 135' AGL/160' MSL. **Rwy 24,** tree 163' from DER, 454' left of centerline, 61' AGL/75' MSL. Multiple trees beginning 1663' from DER, 277' left of centerline, up to 66' AGL/83' MSL. **Rwy 35,** tree 1500' from DER, 300' right of centerline, 50' AGL/83' MSL. Funnel 1796' from DER, 882' left of centerline, 57' AGL/90' MSL. Multiple trees beginning 1916' from DER, 138' right of centerline, up to 94' AGL/131' MSL. Multiple trees beginning 2486' from DER, 143' left of centerline, up to 107' AGL/140' MSL.

WILSON, NC
WILSON INDUSTRIAL AIR CENTER (W03)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 86296 (FAA)
DEPARTURE PROCEDURE: For departures 260° CW 320°: **Rwy 27,** climbing left turn to 2500 on heading 260° before proceeding on course. **Rwys 15, 21,** climbing right turn to 2500 on heading 260° before proceeding on course. **Rwys 3, 9, 33,** climbing left turn to 2500 on heading 320° before proceeding on course.

WINNSBORO, SC
FAIRFIELD COUNTY (FDW)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 10322 (FAA)
NOTE: **Rwy 4,** trees beginning 46' from DER, 241' right of centerline, up to 32' AGL/588' MSL. Trees beginning 68' from DER, 261' left of centerline, up to 88' AGL/613' MSL. Trees beginning 517' from DER, 25' right of centerline, up to 100' AGL/640' MSL. Trees beginning 533' from DER, 23' left of centerline, up to 97' AGL/620' MSL. **Rwy 22,** poles beginning 70' from DER, 399' left of centerline, up to 46' AGL/624' MSL. Trees beginning 163' from DER, 43' left of centerline, up to 57' AGL/632' MSL. Pole 666' from DER, 436' right of centerline, 44' AGL/609' MSL. Trees beginning 708' from DER, 28' right of centerline, up to 68' AGL/633' MSL. Trees beginning 1528' from DER, 13' right of centerline, up to 87' AGL/645' MSL. Trees beginning 1597' from DER, 100' left of centerline, up to 111' AGL/669' MSL.

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WINSTON-SALEM, NC

SMITH REYNOLDS (INT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 09015 (FAA)

TAKEOFF MINIMUMS: **Rwy 22,** 500-2¾ or std. with a min. climb of 330' per NM to 1600.

NOTE: **Rwy 4,** multiple trees beginning 1014' from DER, 159' left of centerline, up to 92' AGL/1041' MSL. Multiple trees beginning 2' from DER, 195' right of centerline, up to 62' AGL/1051' MSL. **Rwy 15,** bush and multiple trees beginning 109' from DER, 237' left of centerline, up to 81' AGL/960' MSL. Multiple trees beginning 123' from DER, 433' right of centerline, up to 66' AGL/945' MSL. **Rwy 22,** multiple trees beginning 376' from DER, 136' left of centerline, up to 65' AGL/1014' MSL. Antenna 4538' from DER, 1044' left of centerline, 189' AGL/1138' MSL. Tower 2.1 NM from DER, 2784' left of centerline, 468' AGL/1395' MSL. Antenna on building 2.3 NM from DER, 3230' left of centerline, 460' AGL/1376' MSL. **Rwy 33,** floodlight, multiple hangars, poles, and trees beginning 230' from DER, 41' left of centerline, up to 74' AGL/1083' MSL. Pole, windsock, multiple buildings and trees beginning 13' from DER, 141' right of centerline, up to 85' AGL/1084' MSL.

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