

AIRPORT DIAGRAM

CHARLOTTE/DOUGLAS INTL (CLT)

AL-78 (FAA)

CHARLOTTE, NORTH CAROLINA

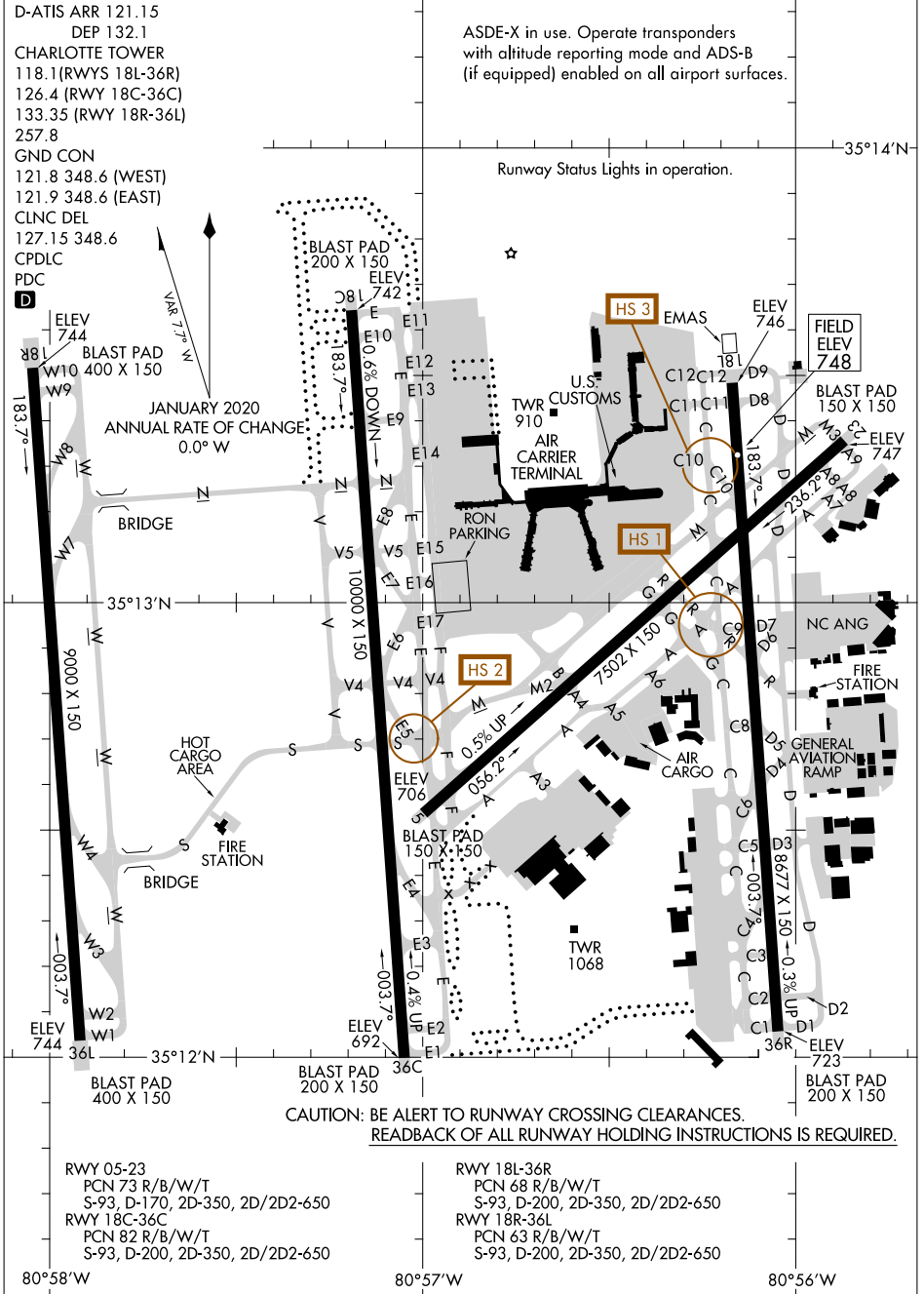
D-ATIS ARR 121.15
 DEP 132.1
 CHARLOTTE TOWER
 118.1 (RWYS 18L-36R)
 126.4 (RWY 18C-36C)
 133.35 (RWY 18R-36L)
 257.8
 GND CON
 121.8 348.6 (WEST)
 121.9 348.6 (EAST)
 CLNC DEL
 127.15 348.6
 CPDLC
 PDC

ASDE-X in use. Operate transponders with altitude reporting mode and ADS-B (if equipped) enabled on all airport surfaces.

Runway Status Lights in operation.

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024



CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
 READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.

RWY 05-23
 PCN 73 R/B/W/T
 S-93, D-170, 2D-350, 2D/2D2-650
 RWY 18C-36C
 PCN 82 R/B/W/T
 S-93, D-200, 2D-350, 2D/2D2-650

RWY 18L-36R
 PCN 68 R/B/W/T
 S-93, D-200, 2D-350, 2D/2D2-650
 RWY 18R-36L
 PCN 63 R/B/W/T
 S-93, D-200, 2D-350, 2D/2D2-650

AIRPORT DIAGRAM

CHARLOTTE, NORTH CAROLINA

CHARLOTTE/DOUGLAS INTL (CLT)

ATTENTION ALL USERS PAGE (AAUP)

1. **PREFLIGHT:** All aircraft capable of conducting terminal RNAV procedures should expect an RNAV SID clearance. If unable to accept the RNAV SID clearance, notify Clearance Delivery. Upon receipt of your Air Traffic Control (ATC) clearance, crosscheck the assigned RNAV SID, Departure Runway, and En route Transition, as loaded into and depicted by your navigation system, against your clearance. Ensure that the sequencing of waypoints loaded in the FMS matches the waypoints on the appropriate chart(s). Do not modify or manually construct RNAV procedures. Ensure all transitions are loaded correctly.
2. **BEFORE TAKEOFF:** Ensure that the Departure Runway assigned on taxi, RNAV SID, and En Route Transition are depicted by your navigation system. Pay particular attention if you have received a runway change or a revised ATC clearance. Pilots of aircraft equipped with electronic navigation map displays, must verify the aircraft symbol relative to the runway symbol and lateral track, and depicted route, agrees with your clearance. You should ensure the waypoints sequence depicted by your navigation system matches the route depicted on the appropriate chart(s) and the altitude set in the altitude window matches the TOP ALTITUDE of the SID, unless amended by ATC. For navigation systems with ROUTE and LEGS pages, the LEGS page should be used to verify routing. If unable to comply with the RNAV SID contact ATC prior to takeoff and request an amended clearance.
3. **LINE UP/TAKEOFF:** Pilots can expect a takeoff clearance from ATC that will provide instructions to depart the runway via the heading coded in the departure path, as depicted on the chart or via an assigned heading to be maintained. IE: On runway 18L and 18C aircraft should fly runway heading or heading assigned by ATC. Runway 36C aircraft are expected to fly heading 330 or heading assigned by ATC. Runway 36R aircraft are expected to fly heading 025 or heading assigned by ATC. A typical takeoff clearance will state, for example, "Delta 123, runway three six right, cleared for takeoff" or "Delta 123, runway one eight center, cleared for take-off". After verifying that the correct runway and departure are loaded and that the correct lateral navigation mode is available and ready for use after takeoff, the expected pilot response is, "Delta 123, runway three six right, cleared for takeoff" or "Delta 123, runway one eight center, cleared for takeoff". If the takeoff clearance does not match the planned/loaded procedure, either request an initial heading from tower or refuse the takeoff clearance until the discrepancy is resolved.
4. **AFTER TAKEOFF:** Pilots are expected to comply with the headings coded on the various departure procedures. Aircraft can expect guidance/vectors towards the initial or subsequent waypoint on a procedure. For example, "American 123, proceed direct DANEC" or "American 123, proceed direct GULFY". Pilots should maintain heading on departure until cleared by ATC direct to a waypoint or vectors towards the initial or subsequent waypoint on a procedure. For example, "American 123 proceed direct DANEC" or "American 123, proceed direct GULFY". Parallel RNAV departures must not encroach on the airspace between parallel runway centerlines without specific ATC clearance. Manually intervene if necessary to stay on track to avoid transgressing in the direction of a parallel track. If unable to comply with the SID profile, immediately notify ATC.

(CONTINUED ON FOLLOWING PAGE)

ATTENTION ALL USERS PAGE (AAUP)

CONTINUED FROM PREVIOUS PAGE

5. **SPECIFIC INFORMATION:** Charlotte will utilize RNAV departures operations all hours of the day seven days a week. All properly equipped aircraft should expect to fly CHARLOTTE RNAV DEPARTURE. Pilots may anticipate a runway assignment based upon the information below, however runway assignments will be issued on initial contact with Ground Control.

Charlotte RNAV SIDs Directions

North

JOJJO
WEAZL
KRITR

East

BARMY
KILNS
LILLS

South

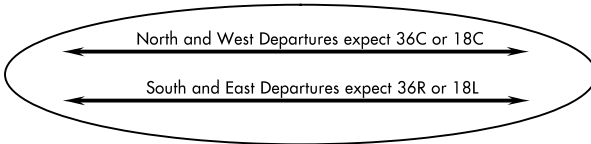
ICONS
BEAVY
KWEEN

West

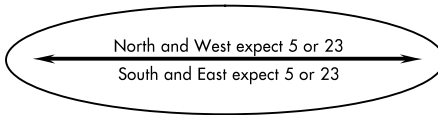
ESTRR
BOBZY

Expected Runway Assignment

Dual Departures



Night Noise Operations



SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

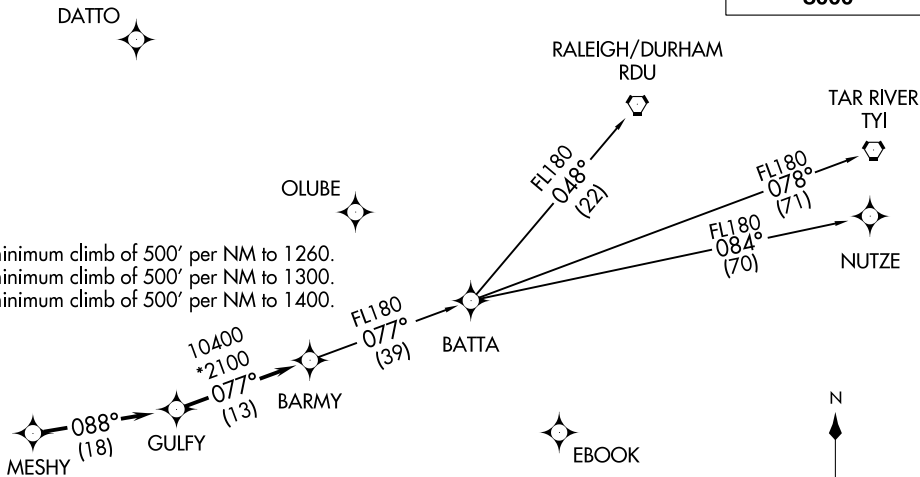
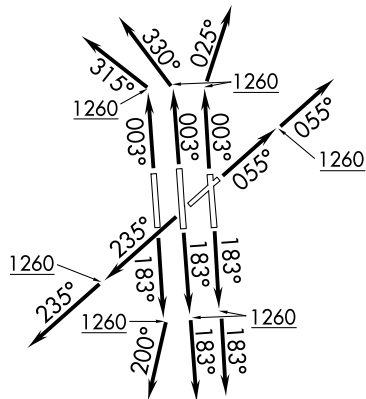
BARMY FOUR DEPARTURE (RNAV)
(BARMY4.BARMY) 03JAN19

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

D-ATIS DEP 132.1
CLINC DEL
127.15 348.6
CPDLC
GND CON
121.8 348.6 (WEST)
121.9 348.6 (EAST)
CHARLOTTE TOWER
118.1 257.8 (Rwys 18L-36R)
126.4 257.8 (Rwy 18C-36C)
133.35 257.8 (Rwy 18R-36L)
CHARLOTTE DEP CON
124.0 307.8

TAKEOFF MINIMUMS

Rwys 18C/L/R, 23, 36C/R: Standard with minimum climb of 500' per NM to 1260.
Rwy 5: Standard with minimum climb of 500' per NM to 1300.
Rwy 36L: Standard with minimum climb of 500' per NM to 1400.



TOP ALTITUDE:
8000

- NOTE: For turbojets only.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: If unable to accept climb rates, advise ATC on initial contact.
- NOTE: Transponder code will be issued via PDC or Charlotte CLNC DEL.
- NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

(BARMY4.BARMY) 23166
AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

BARMY FOUR DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION SEE ADDITIONAL REQUIREMENTS ON AAUP

TAKEOFF RWY 5: Climb heading 055° to 1260, then on heading 055° or as assigned by ATC, expect RADAR vectors to MESHY, thence. . . .

TAKEOFF RWYS 18L/C: Climb heading 183° to 1260, then on heading 183° or as assigned by ATC, expect RADAR vectors to MESHY, thence. . . .

TAKEOFF RWY 18R: Climb heading 183° to 1260, then on heading 200° or as assigned by ATC, expect RADAR vectors to MESHY, thence. . . .

TAKEOFF RWY 23: Climb heading 235° to 1260, then on heading 235° or as assigned by ATC, expect RADAR vectors to MESHY, thence. . . .

TAKEOFF RWY 36C: Climb heading 003° to 1260, then on heading 330° or as assigned by ATC, expect RADAR vectors to MESHY, thence. . . .

TAKEOFF RWY 36L: Climb heading 003° to 1260, then on heading 315° or as assigned by ATC, expect RADAR vectors to MESHY, thence. . . .

TAKEOFF RWY 36R: Climb heading 003° to 1260, then on heading 025° or as assigned by ATC, expect RADAR vectors to MESHY, thence. . . .

. . . . on depicted route to BARMY, then on assigned transition. Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

NUTZE TRANSITION (BARMY4.NUTZE)

RALEIGH/DURHAM TRANSITION (BARMY4.RDU)

TAR RIVER TRANSITION (BARMY4.TYI)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

(BEAVY5.BEAVY) 23166

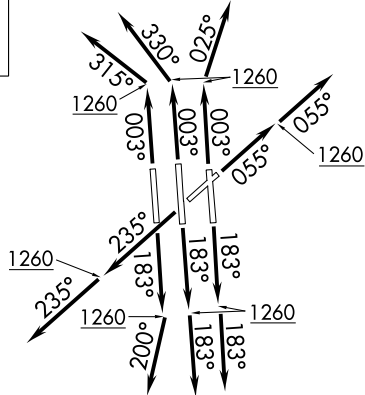
AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

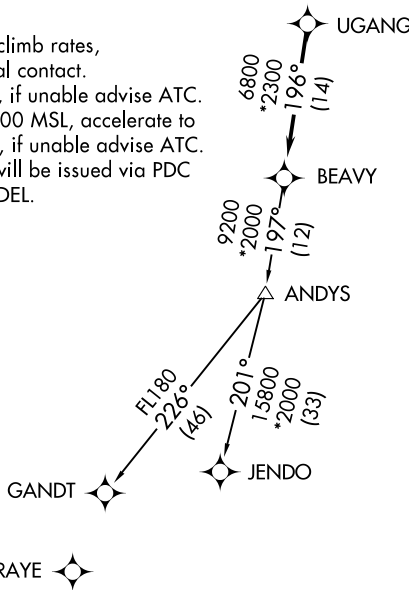
BEAVY FIVE DEPARTURE (RNAV)

D-ATIS DEP 132.1
 CLNC DEL
 127.15 348.6
 CPDLC
 GND CON
 121.8 348.6 (WEST)
 121.9 348.6 (EAST)
 CHARLOTTE TOWER
 118.1 257.8 (Rwys 18L-36R)
 126.4 257.8 (Rwy 18C-36C)
 133.35 257.8 (Rwy 18R-36L)
 CHARLOTTE DEP CON
 120.5 257.2 (Rwys 36L/C)
 124.0 307.8 (Rwys 18L/C/R, 36R)

**TOP ALTITUDE:
8000**



- NOTE: For turbojets only.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: If unable to accept climb rates, advise ATC on initial contact.
- NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.
- NOTE: Transponder code will be issued via PDC or Charlotte CLNC DEL.



TAKEOFF MINIMUMS

- Rwys 18C/L/R, 23, 36C/R: Standard with minimum climb of 500' per NM to 1260.
- Rwy 5: Standard with minimum climb of 500' per NM to 1300.
- Rwy 36L: Standard with minimum climb of 500' per NM to 1400.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

BEAVY FIVE DEPARTURE (RNAV)

(BEAVY5.BEAVY) 03JAN19

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

(BEAVY5.BEAVY) 19003

BEAVY FIVE DEPARTURE (RNAV)

AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA



DEPARTURE ROUTE DESCRIPTION
SEE ADDITIONAL REQUIREMENTS ON AAUP

TAKEOFF RWY 5: Climb heading 055° to 1260, then on heading 055° or as assigned by ATC, expect RADAR vectors to UGANG, thence. . . .

TAKEOFF RWY 18C/L: Climb heading 183° to 1260, then on heading 183° or as assigned by ATC, expect RADAR vectors to UGANG, thence. . . .

TAKEOFF RWY 18R: Climb heading 183° to 1260, then on heading 200° or as assigned by ATC, expect RADAR vectors to UGANG, thence. . . .

TAKEOFF RWY 23: Climb heading 235° to 1260, then on heading 235° or as assigned by ATC, expect RADAR vectors to UGANG, thence. . . .

TAKEOFF RWY 36C: Climb heading 003° to 1260, then on heading 330° or as assigned by ATC, expect RADAR vectors to UGANG, thence. . . .

TAKEOFF RWY 36L: Climb heading 003° to 1260, then on heading 315° or as assigned by ATC, expect RADAR vectors to UGANG, thence. . . .

TAKEOFF RWY 36R: Climb heading 003° to 1260, then on heading 025° or as assigned by ATC, expect RADAR vectors to UGANG, thence. . . .

. . . .on track 196° to BEAVY, then on assigned transition. Maintain 8000.

Expect clearance to filed altitude within 10 minutes after departure.

GANDT TRANSITION (BEAVY5.GANDT)

JENDO TRANSITION (BEAVY5.JENDO)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

BEAVY FIVE DEPARTURE (RNAV)

(BEAVY5.BEAVY) 03JAN19

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

**TOP ALTITUDE:
8000**

- NOTE: For turbojets only.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: If unable to accept climb rates, advise ATC on initial contact.
- NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.

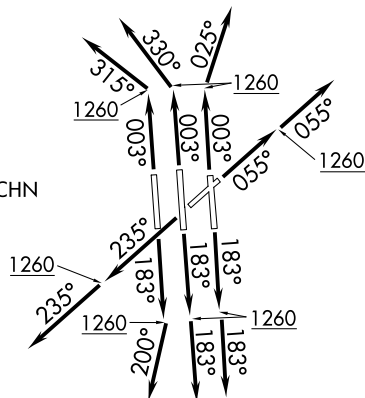
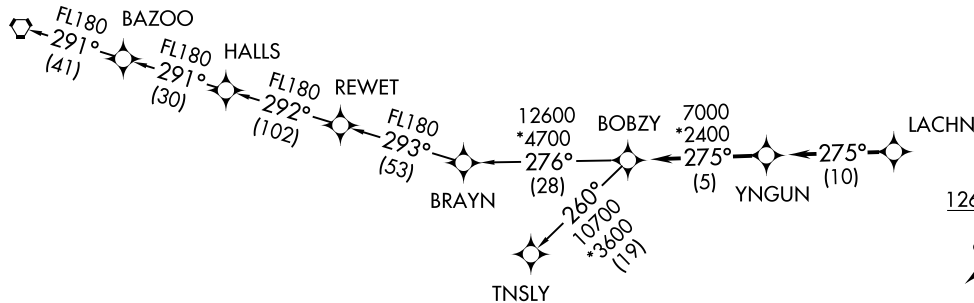


D-ATIS DEP 132.1
 CLNC DEL 127.15 348.6
 CPDLC
 GND CON 121.8 348.6 (WEST)
 121.9 348.6 (EAST)
 CHARLOTTE TOWER
 118.1 257.8 (Rwys 18L-36R)
 126.4 257.8 (Rwy 18C-36C)
 133.35 257.8 (Rwy 18R-36L)
 CHARLOTTE DEP CON 120.5 257.2

TAKEOFF MINIMUMS

Rwys 18C/L/R, 23, 36C/R: Standard with minimum climb of 500' per NM to 1260.
 Rwy 5: Standard with minimum climb of 500' per NM to 1300.
 Rwy 36L: Standard with minimum climb of 500' per NM to 1400.

NASHVILLE
BNA



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

BOBZY FOUR DEPARTURE (RNAV)
(BOBZY4.BOBZY) 03JAN19

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

(BOBZY4.BOBZY) 23166
BOBZY FOUR DEPARTURE (RNAV)

AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA



DEPARTURE ROUTE DESCRIPTION
SEE ADDITIONAL REQUIREMENTS ON AAUP

- TAKEOFF RWY 5: Climb heading 055° to 1260, then on heading 055° or as assigned by ATC, expect RADAR vectors to LACHN, thence. . . .
- TAKEOFF RWYS 18C/L: Climb heading 183° to 1260, then on heading 183° or as assigned by ATC, expect RADAR vectors to LACHN, thence. . . .
- TAKEOFF RWY 18R: Climb heading 183° to 1260, then on heading 200° or as assigned by ATC, expect RADAR vectors to LACHN, thence. . . .
- TAKEOFF RWY 23: Climb heading 235° to 1260, then on heading 235° or as assigned by ATC, expect RADAR vectors to LACHN, thence. . . .
- TAKEOFF RWY 36C: Climb heading 003° to 1260, then on heading 330° or as assigned by ATC, expect RADAR vectors to LACHN, thence. . . .
- TAKEOFF RWY 36L: Climb heading 003° to 1260, then on heading 315° or as assigned by ATC, expect RADAR vectors to LACHN, thence. . . .
- TAKEOFF RWY 36R: Climb heading 003° to 1260, then on heading 025° or as assigned by ATC, expect RADAR vectors to LACHN, thence. . . .

. . . .on depicted route to BOBZY, then on assigned transition. Maintain 8000.
Expect clearance to filed altitude within 10 minutes after departure.

- NASHVILLE TRANSITION (BOBZY4.BNA)
- TNSLY TRANSITION (BOBZY4.TNSLY)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

(CLT3.CLT) 23222

CHARLOTTE THREE DEPARTURE

AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

D-ATIS DEP

132.1
CLNC DEL
127.15 348.6
CPDLC
GND CON
121.8 348.6 (WEST)
121.9 348.6 (EAST)
CHARLOTTE TOWER
118.1 257.8 (Rwys 18L-36R)
126.4 257.8 (Rwy 18C-36C)
133.35 257.8 (Rwy 18R-36L)

RADAR and DME required.

**TOP ALTITUDE:
8000**

CHARLOTTE DEP CON
120.5 257.2 (HARAY, PITY)
Transition. Rwys 36L/C

GREENSBORO
116.2 GSO
Chan 109
N36°02.74'
W79°58.58'
L-25-36, H-9-12

SUGARLOAF MOUNTAIN
112.2 SUG
Chan 59
N35°24.39' W82°16.12'
L-25, H-9-12

PITY
N35°19.82'
W81°51.09'
L-25

HARAY
N35°07.76'
W81°45.69'
L-25

SPARTANBURG
115.7 SPA
Chan 104
N35°02.02' W81°55.62'
L-24-25, H-9-12

CHARLOTTE
115.0 CLT
Chan 97
N35°11.42'
W80°57.11'

BUCKL
N34°31.50'
W80°52.89'

COLUMBIA
114.7 CAE
Chan 94
N33°51.43' W81°03.23'
L-24, H-9-12

CHARLOTTE DEP CON
124.0 307.8 (BUCKL, GANTS, LILLS,
RUNIE Transition. Rwys 18L/C/R, 36R)

CHESTERFIELD
114.55 CTF
Chan 92(Y)
N34°39.03' W80°16.49'
L-24-25-36, H-9-12

FLORENCE
115.2 FLO
Chan 99
N34°13.98'
W79°39.43'
L-24-35-36, H-9-12

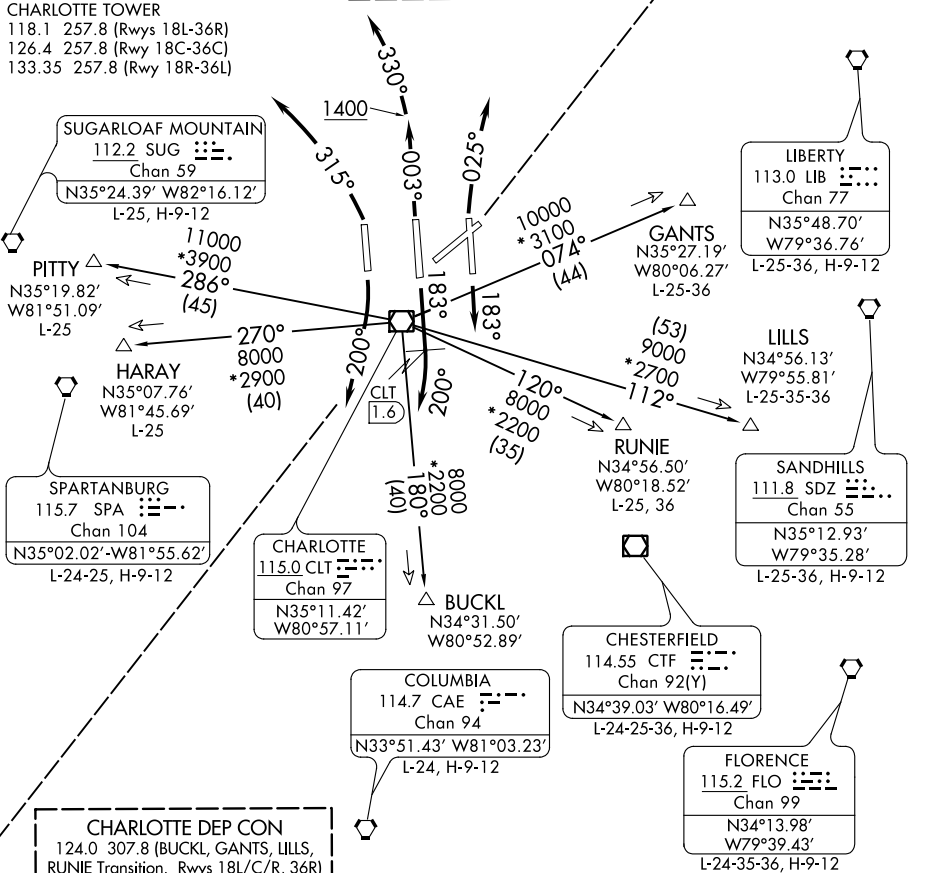
LIBERTY
113.0 LIB
Chan 77
N35°48.70'
W79°36.76'
L-25-36, H-9-12

GANTS
N35°27.19'
W80°06.27'
L-25-36

LILLS
N34°56.13'
W79°55.81'
L-25-35-36

SANDHILLS
111.8 SDZ
Chan 55
N35°12.93'
W79°35.28'
L-25-36, H-9-12

RUNIE
N34°56.50'
W80°18.52'
L-25, 36

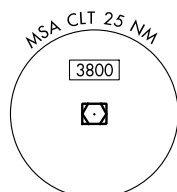


SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

- NOTE: For turbo jet aircraft requesting at or below 10000' only.
- NOTE: Accelerate to 250K, if unable, advise ATC.
- NOTE: Transponder code will be issued via PDC or Charlotte clearance delivery.
- NOTE: If unable to accept climb rate, advise ATC on initial contact.

TAKEOFF MINIMUMS:
Rwys 18L/C/R, 36C/R: Standard.
Rwy 36L: Standard with minimum climb of 231' per NM to 3600.



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

CHARLOTTE THREE DEPARTURE

(CLT3.CLT) 10AUG23

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 18C: Climb on heading 183° until passing CLT VOR/DME 1.6 DME, then turn right heading 200°, Thence. . . .

TAKEOFF RUNWAY 18L: Climb on heading 183°, Thence. . . .

TAKEOFF RUNWAY 18R: Climbing right turn heading 200°, Thence. . . .

TAKEOFF RUNWAY 36C: Climb on heading 003° to 1400 then left turn heading 330°, Thence. . . .

TAKEOFF RUNWAY 36L: Climbing left turn heading 315°, Thence. . . .

TAKEOFF RUNWAY 36R: Climbing right turn heading 025°, Thence. . . .

. . . .expect RADAR vectors to intercept filed/assigned transition or enroute fix/navaid. Maintain 8000. Expect clearance to filed altitude/flight level within ten (10) minutes after departure.

BUCKL TRANSITION (CLT3.BUCKL): From over CLT VOR/DME to BUCKL.

GANTS TRANSITION (CLT3.GANTS): From over CLT VOR/DME to GANTS.

HARAY TRANSITION (CLT3.HARAY): From over CLT VOR/DME to HARAY.

LILLS TRANSITION (CLT3.LILLS): From over CLT VOR/DME to LILLS.

PITTY TRANSITION (CLT3.PITTY): From over CLT VOR/DME to PITTY.

RUNIE TRANSITION (CLT3.RUNIE): From over CLT VOR/DME to RUNIE.

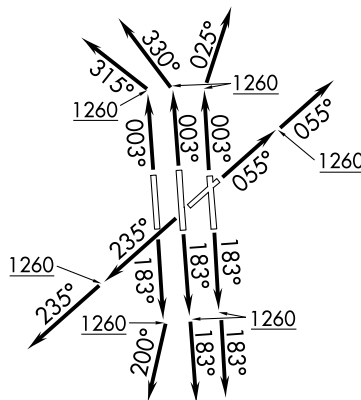
SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

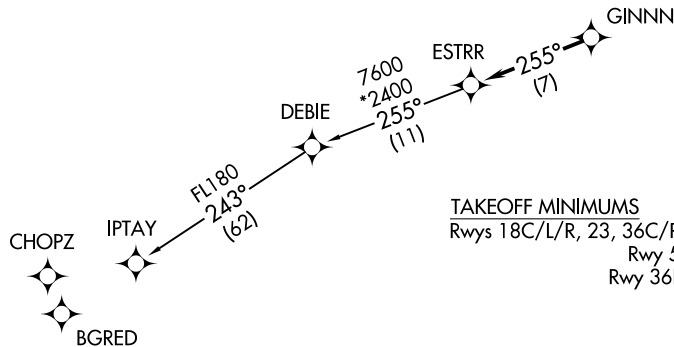
ESTRR FOUR DEPARTURE (RNAV)
(ESTRR4, ESTRR) 03JAN19

**TOP ALTITUDE:
8000**

- NOTE: For turbojets only.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: If unable to accept climb rates, advise ATC on initial contact.
- NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.



D-ATIS DEP 132.1
 CLNC DEL 127.15 348.6
 CPDLC
 GND CON 121.8 348.6 (WEST)
 121.9 348.6 (EAST)
 CHARLOTTE TOWER 118.1 257.8 (Rwys 18L-36R)
 126.4 257.8 (Rwy 18C-36C)
 133.35 257.8 (Rwy 18R-36L)
 CHARLOTTE DEP CON 120.5 257.2



TAKEOFF MINIMUMS

Rwys 18C/L/R, 23, 36C/R: Standard with minimum climb of 500' per NM to 1260.
 Rwy 5: Standard with minimum climb of 500' per NM to 1300.
 Rwy 36L: Standard with minimum climb of 500' per NM to 1400.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

CHARLOTTE NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

(ESTRR4, ESTRR) 23166
ESTRR FOUR DEPARTURE (RNAV)

AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE NORTH CAROLINA

ESTRR FOUR DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION SEE ADDITIONAL REQUIREMENTS ON AAUP

TAKEOFF RWY 5: Climb heading 055° to 1260, then on heading 055° or as assigned by ATC, expect RADAR vectors to GINNN, thence. . . .

TAKEOFF RWYS 18C/L: Climb heading 183° to 1260, then on heading 183° or as assigned by ATC, expect RADAR vectors to GINNN, thence. . . .

TAKEOFF RWY 18R: Climb heading 183° to 1260, then on heading 200° or as assigned by ATC, expect RADAR vectors to GINNN, thence. . . .

TAKEOFF RWY 23: Climb heading 235° to 1260, then on heading 235° or as assigned by ATC, expect RADAR vectors to GINNN, thence. . . .

TAKEOFF RWY 36C: Climb heading 003° to 1260, then on heading 330° or as assigned by ATC, expect RADAR vectors to GINNN, thence. . . .

TAKEOFF RWY 36L: Climb heading 003° to 1260, then on heading 315° or as assigned by ATC, expect RADAR vectors to GINNN, thence. . . .

TAKEOFF RWY 36R: Climb heading 003° to 1260, then on heading 025° or as assigned by ATC, expect RADAR vectors to GINNN, thence. . . .

. . . .on track 255° to ESTRR, then on IPTAY transition. Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

IPTAY TRANSITION (ESTRR4.IPTAY)

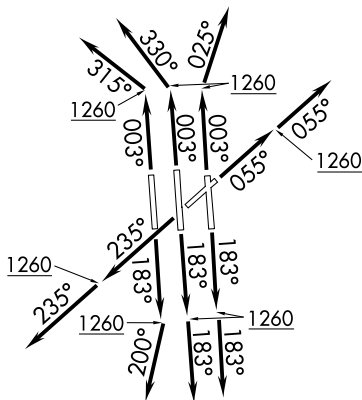
SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

ICONS FOUR DEPARTURE (RNAV)

**TOP ALTITUDE:
8000**

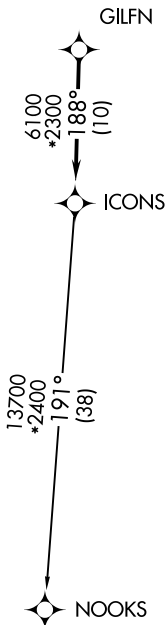
D-ATIS DEP 132.1
 CLNC DEL
 127.15 348.6
 CPDLC
 GND CON
 121.8 348.6 (WEST)
 121.9 348.6 (EAST)
 CHARLOTTE TOWER
 118.1 257.8 (Rwys 18L-36R)
 126.4 257.8 (Rwy 18C-36C)
 133.35 257.8 (Rwy 18R-36L)
 CHARLOTTE DEP CON
 120.5 257.2 (Rwys 36L/C)
 124.0 307.8 (Rwys 18L/C/R, 36R)



TAKEOFF MINIMUMS

Rwys 18C/L/R, 23, 36C/L/R: Standard with minimum climb of 500' per NM to 1260.
 Rwy 5: Standard with minimum climb of 500' per NM to 1300.

- NOTE: For turbojets only.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: If unable to accept climb rates, advise ATC on initial contact.
- NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.
- NOTE: Transponder code will be issued via PDC or Charlotte CLNC DEL.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

ICONS FOUR DEPARTURE (RNAV)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

ICONS FOUR DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION

SEE ADDITIONAL REQUIREMENTS ON AAUP

TAKEOFF RWY 5: Climb heading 055° to 1260, then on heading 055° or as assigned by ATC, expect RADAR vectors to GILFN, thence. . . .

TAKEOFF RWYS 18C/L: Climb heading 183° to 1260, then on heading 183° or as assigned by ATC, expect RADAR vectors to GILFN, thence. . . .

TAKEOFF RWY 18R: Climb heading 183° to 1260, then on heading 200° or as assigned by ATC, expect RADAR vectors to GILFN, thence. . . .

TAKEOFF RWY 23: Climb heading 235° to 1260, then on heading 235° or as assigned by ATC, expect RADAR vectors to GILFN, thence. . . .

TAKEOFF RWY 36C: Climb heading 003° to 1260, then on heading 330° or as assigned by ATC, expect RADAR vectors to GILFN, thence. . . .

TAKEOFF RWY 36L: Climb heading 003° to 1260, then on heading 315° or as assigned by ATC, expect RADAR vectors to GILFN, thence. . . .

TAKEOFF RWY 36R: Climb heading 003° to 1260, then on heading 025° or as assigned by ATC, expect RADAR vectors to GILFN, thence. . . .

. . . .on track 188° to ICONS, then on NOOKS transition. Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

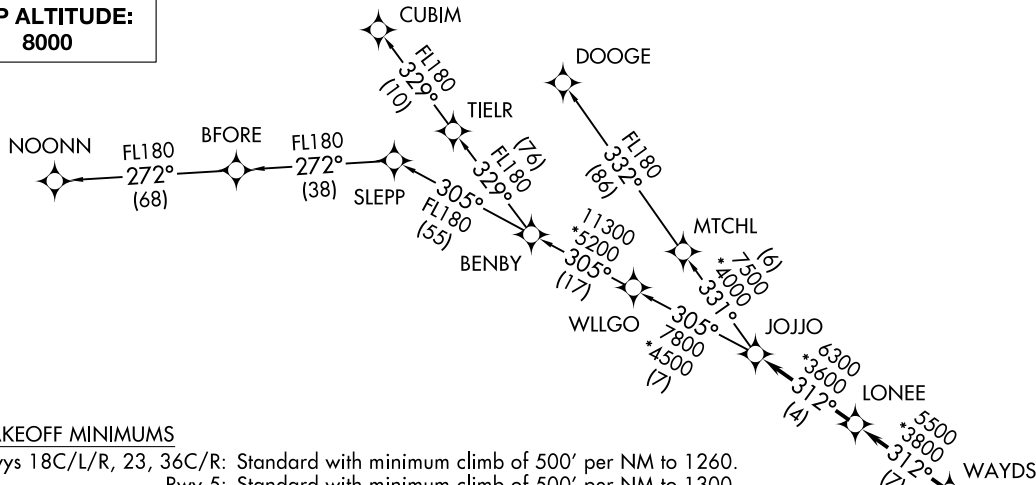
NOOKS TRANSITION (ICONS4.NOOKS)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

JOJO FOUR DEPARTURE (RNAV)
(JOJO4.JOJO) 03JAN19

**TOP ALTITUDE:
8000**

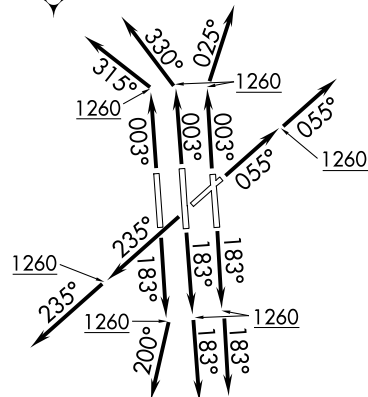


D-ATIS DEP 132.1
 CLNC DEL 127.15 348.6
 CPDLC
 GND CON 121.8 348.6 (WEST)
 121.9 348.6 (EAST)
 CHARLOTTE TOWER 118.1 257.8 (Rwys 18L-36R)
 126.4 257.8 (Rwy 18C-36C)
 133.35 257.8 (Rwy 18R-36L)
 CHARLOTTE DEP CON 120.5 257.2

TAKEOFF MINIMUMS

Rwys 18C/L/R, 23, 36C/R: Standard with minimum climb of 500' per NM to 1260.
 Rwy 5: Standard with minimum climb of 500' per NM to 1300.
 Rwy 36L: Standard with minimum climb of 500' per NM to 1400.

- NOTE: For turbojets only.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: If unable to accept climb rates, advise ATC on initial contact.
- NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.
- NOTE: NOONN TRANSITION ATC assigned only.



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

(JOJO4.JOJO) 23166
JOJO FOUR DEPARTURE (RNAV)

A1-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

JOJJO FOUR DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION SEE ADDITIONAL REQUIREMENTS ON AAUP

TAKEOFF RWY 5: Climb heading 055° to 1260, then on heading 055° or as assigned by ATC, expect RADAR vectors to WAYDS, thence. . . .

TAKEOFF RWYS 18C/L: Climb heading 183° to 1260, then on heading 183° or as assigned by ATC, expect RADAR vectors to WAYDS, thence. . . .

TAKEOFF RWY 18R: Climb heading 183° to 1260, then on heading 200° or as assigned by ATC, expect RADAR vectors to WAYDS, thence. . . .

TAKEOFF RWY 23: Climb heading 235° to 1260, then on heading 235° or as assigned by ATC, expect RADAR vectors to WAYDS, thence. . . .

TAKEOFF RWY 36C: Climb heading 003° to 1260, then on heading 330° or as assigned by ATC, expect RADAR vectors to WAYDS, thence. . . .

TAKEOFF RWY 36L: Climb heading 003° to 1260, then on heading 315° or as assigned by ATC, expect RADAR vectors to WAYDS, thence. . . .

TAKEOFF RWY 36R: Climb heading 003° to 1260, then on heading 025° or as assigned by ATC, expect RADAR vectors to WAYDS, thence. . . .

. . . .on depicted route to JOJJO, then on assigned transition. Maintain 8000.
Expect clearance to filed altitude within 10 minutes after departure.

CUBIM TRANSITION (JOJJO4.CUBIM)

DOOGE TRANSITION (JOJJO4.DOOGE)

NOONN TRANSITION (JOJJO4.NOONN)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

(KER3.KER) 23166

AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

KERMIT THREE DEPARTURE

D-ATIS DEP 132.1
 CLNC DEL
 127.15 348.6
 CPDLC
 GND CON
 121.8 348.6 (WEST)
 121.9 348.6 (EAST)
 CHARLOTTE TOWER
 118.1 257.8 (Rwys 18L-36R)
 126.4 257.8 (Rwy 18C-36C)
 133.35 257.8 (Rwy 18R-36L)

**TOP ALTITUDE:
8000**

PULASKI
 116.8 PSK
 Chan 115
 N37°05.26'
 W80°42.77'

**NORTHWEST
CHARLOTTE DEP CON**
 120.5 257.2

BARRETTS MOUNTAIN
 113.75 BZM
 Chan 84(Y)

SUGARLOAF MOUNTAIN
 112.2 SUG
 Chan 59

CHARLOTTE
 115.0 CLT
 Chan 97
 N35°11.42'
 W80°57.11'

BOBZY
 N35°11.13'
 W81°38.05'

NEANO
 N35°04.88'
 W81°59.79'
 L-25

FOOTHILLS
 113.4 ODF
 Chan 81

**SOUTHEAST
CHARLOTTE DEP CON**
 124.0 307.8

TREAL
 N33°04.18'
 W81°26.46'
 H-9-12

TAKEOFF MINIMUMS

Rwys 5, 18C/L/R, 23, 36C/L/R: Standard.

NALEY
 N36°21.16'
 W80°48.41'

JOTTA
 N36°00.88'
 W80°50.96'
 L-25

RALEIGH/DURHAM
 117.2 RDU
 Chan 119

MERIL
 N35°36.79'
 W79°26.03'
 L-36

SANDHILLS
 111.8 SDZ
 Chan 55

WALUT
 N34°40.00'
 W80°50.53'

LILLS
 N34°56.13'
 W79°55.81'
 L-25-35-36

HAMLN
 N34°21.54'
 W80°46.71'
 H-12

CHESTERFIELD
 114.55 CTF
 Chan 92(Y)

NOTE: For turbojet aircraft requesting at or above 11000.

NOTE: RADAR and DME required.

NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.

NOTE: Transponder code will be issued via PDC or Charlotte clearance delivery.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

KERMIT THREE DEPARTURE

(KER3.KER) 03JAN19

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

KERMIT THREE DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 5: Climb heading 055° to 1700 before turning right, thence. . . .

TAKEOFF RWYS 18C/L: Climb heading 183°, thence. . . .

TAKEOFF RWY 18R: Climbing right turn heading 200°, thence. . . .

TAKEOFF RWY 23: Climb heading 235°, thence. . . .

TAKEOFF RWY 36C: Climb heading 003° to 1400 then left turn heading 330°, thence. . . .

TAKEOFF RWY 36L: Climb heading 003° to 1800 then left turn heading 315°, thence. . . .

TAKEOFF RWY 36R: Climbing right turn heading 025°, thence. . . .

. . . .on RADAR vectors to intercept filed/assigned transition or enroute fix/navaid.
Maintain 8000, expect filed altitude/flight level 10 minutes after departure.

ANDYS TRANSITION (KER3.ANDYS): From over CLT VOR/DME on CLT R-196 to ANDYS.

DEBIE TRANSITION (KER3.DEBIE): From over CLT VOR/DME on CLT R-255 to DEBIE.

HAMLN TRANSITION (KER3.HAMLN): From over CLT VOR/DME on CLT R-175 to HAMLN.

JOTTA TRANSITION (KER3.JOTTA): From over CLT VOR/DME on CLT R-011 to JOTTA.

LILLS TRANSITION (KER3.LILLS): From over CLT VOR/DME on CLT R-112 to LILLS.

MERIL TRANSITION (KER3.MERIL): From over CLT VOR/DME on CLT R-076 to MERIL.

NALEY TRANSITION (KER3.NALEY): From over CLT VOR/DME on CLT R-011 to NALEY.

NEANO TRANSITION (KER3.NEANO): From over CLT VOR/DME on CLT R-275 to BOBZY and ODF R-070 to NEANO.

TREAL TRANSITION (KER3.TREAL): From over CLT VOR/DME on CLT R-196 to TREAL.

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

KILNS FOUR DEPARTURE (RNAV)
(KILNS4,KILNS) 03JAN19

(KILNS4,KILNS) 23166
KILNS FOUR DEPARTURE (RNAV)

AL-78 (FAA)

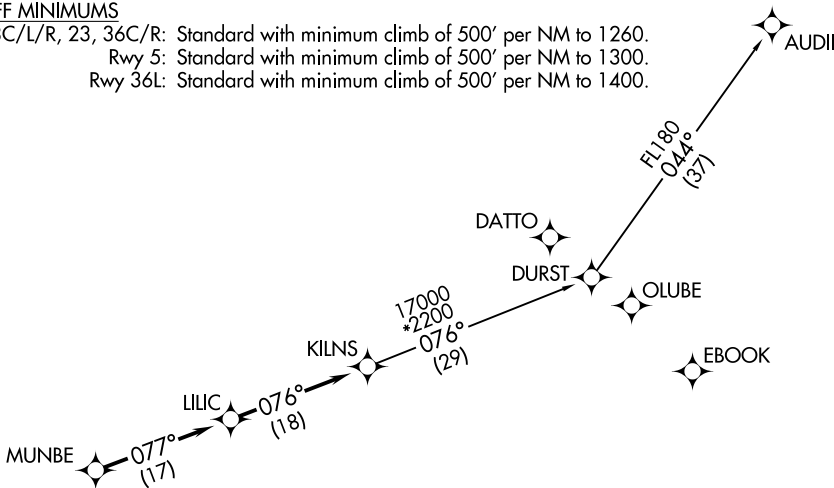
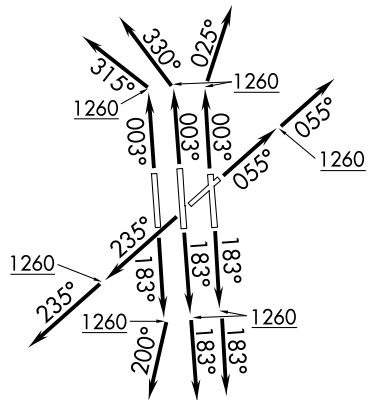
CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

D-ATIS DEP 132.1
CLNC DEL
127.15 348.6
CPDLC
GND CON
121.8 348.6 (WEST)
121.9 348.6 (EAST)
CHARLOTTE TOWER
118.1 257.8 (Rwys 18L-36R)
126.4 257.8 (Rwy 18C-36C)
133.35 257.8 (Rwy 18R-36L)
CHARLOTTE DEP CON
124.0 307.8

**TOP ALTITUDE:
8000**

TAKEOFF MINIMUMS

Rwys 18C/L/R, 23, 36C/R: Standard with minimum climb of 500' per NM to 1260.
Rwy 5: Standard with minimum climb of 500' per NM to 1300.
Rwy 36L: Standard with minimum climb of 500' per NM to 1400.



- NOTE: For turbojets only.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: Transponder code will be issued via PDC or Charlotte CLNC DEL.
- NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.
- NOTE: If unable to accept climb rates, advise ATC on initial contact.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

KILNS FOUR DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION SEE ADDITIONAL REQUIREMENTS ON AAUP

TAKEOFF RWY 5: Climb heading 055° to 1260, then on heading 055° or as assigned by ATC, expect RADAR vectors to MUNBE, thence. . . .

TAKEOFF RWYS 18C/L: Climb heading 183° to 1260, then on heading 183° or as assigned by ATC, expect RADAR vectors to MUNBE, thence. . . .

TAKEOFF RWY 18R: Climb heading 183° to 1260, then on heading 200° or as assigned by ATC, expect RADAR vectors to MUNBE, thence. . . .

TAKEOFF RWY 23: Climb heading 235° to 1260, then on heading 235° or as assigned by ATC, expect RADAR vectors to MUNBE, thence. . . .

TAKEOFF RWY 36C: Climb heading 003° to 1260, then on heading 330° or as assigned by ATC, expect RADAR vectors to MUNBE, thence. . . .

TAKEOFF RWY 36L: Climb heading 003° to 1260, then on heading 315° or as assigned by ATC, expect RADAR vectors to MUNBE, thence. . . .

TAKEOFF RWY 36R: Climb heading 003° to 1260, then on heading 025° or as assigned by ATC, expect RADAR vectors to MUNBE, thence. . . .

. . . .on depicted route to KILNS, then on AUDII transition. Maintain 8000.
Expect clearance to filed altitude within 10 minutes after departure.

AUDII TRANSITION (KILNS4.AUDII)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

KNIGHTS TWO DEPARTURE

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

D-ATIS DEP 132.1
CLNC DEL
127.15 348.6
GNDLC
CPDLC
WIND CON
121.8 348.6 (WEST)
121.9 348.6 (EAST)
CHARLOTTE TOWER
118.1 257.8 (Rwys 18L-36R)
126.4 257.8 (Rwy 18C-36C)
133.35 257.8 (Rwy 18R-36L)

NORTHWEST CHARLOTTE DEP CON

120.05 257.2 (DEBIE, NEANO TRANSITIONS)
120.05 257.2 (FLYNN, CEGAL TRANSITIONS Rwys 18L/C/R)
120.5 257.2 (FLYNN, CEGAL TRANSITIONS Rwys 36L/C/R)

TOP ALTITUDE:
4000

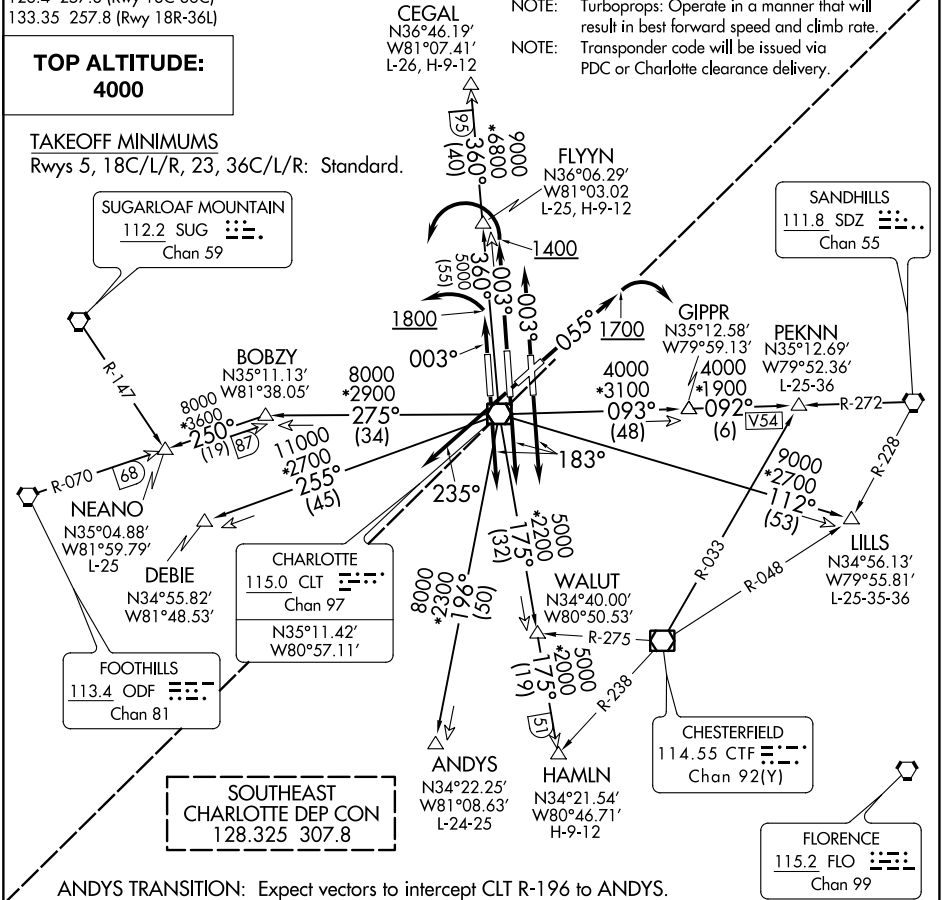
TAKEOFF MINIMUMS

Rwys 5, 18C/L/R, 23, 36C/L/R: Standard.

- NOTE: For propeller aircraft only.
NOTE: RADAR and DME required.
NOTE: Turboprops: Operate in a manner that will result in best forward speed and climb rate.
NOTE: Transponder code will be issued via PDC or Charlotte clearance delivery.

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024



ANDYS TRANSITION: Expect vectors to intercept CLT R-196 to ANDYS.
CEGAL TRANSITION: Expect vectors to intercept CLT R-360 to CEGAL.
DEBIE TRANSITION: Expect vectors to intercept CLT R-255 to DEBIE.
FLYNN TRANSITION: Expect vectors to intercept CLT R-360 to FLYNN.
HAMLN TRANSITION: Expect vectors to intercept CLT R-175 to HAMLN.
LILLS TRANSITION: Expect vectors to intercept CLT R-112 to LILLS.
NEANO TRANSITION: Expect vectors to intercept CLT R-275 to BOBZY then ODF R-070 to NEANO.
PEKNN TRANSITION: Expect vectors to intercept CLT R-093 to GIPPR then SDZ R-272 to PEKNN.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

KNIGHTS TWO DEPARTURE

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

KNIGHTS TWO DEPARTURE



DEPARTURE ROUTE DESCRIPTION

- TAKEOFF RUNWAY 5: Climb heading 055° to 1700 before turning right, thence
- TAKEOFF RUNWAYS 18C/L/R: Climb heading 183° or as assigned by ATC, thence
- TAKEOFF RUNWAY 23: Climb heading 235° or as assigned by ATC, thence
- TAKEOFF RUNWAY 36C: Climb heading 003° to 1400 before turning left, thence
- TAKEOFF RUNWAY 36L: Climb heading 003° to 1800 before turning left, thence
- TAKEOFF RUNWAY 36R: Climb heading 003° or as assigned by ATC, thence

. . . . expect RADAR vectors to intercept filed/assigned transition or enroute fix/navaid.
Maintain 4000, expect filed altitude/flight level 10 minutes after departure.

- ANDYS TRANSITION (KNI2.ANDYS): From over CLT VOR/DME on CLT R-196 to ANDYS.
- CEGAL TRANSITION (KNI2.CEGAL): From over CLT VOR/DME on CLT R-360 to CEGAL.
- DEBIE TRANSITION (KNI2.DEBIE): From over CLT VOR/DME on CLT R-255 to DEBIE.
- FLYYN TRANSITION (KNI2.FLYYN): From over CLT VOR/DME on CLT R-360 to FLYYN.
- HAMLN TRANSITION (KNI2.HAMLN): From over CLT VOR/DME on CLT R-175 to HAMLN.
- LILLS TRANSITION (KNI2.LILLS): From over CLT VOR/DME on CLT R-112 to LILLS.
- NEANO TRANSITION (KNI2.NEANO): From over CLT VOR/DME on CLT R-275 to BOBZY, then on ODF R-070 to NEANO.
- PEKNN TRANSITION (KNI2.PEKNN): From over CLT VOR/DME on CLT R-093 to GIPPR, then on SDZ R-272 to PEKNN.

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

(KRITR5.KRITR) 23166

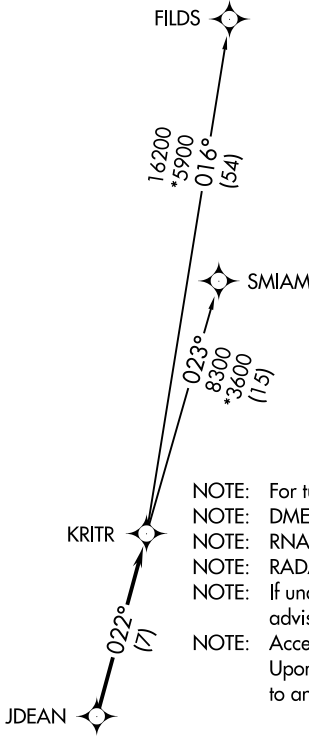
AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

KRITR FIVE DEPARTURE (RNAV)

D-ATIS DEP 132.1
 CLNC DEL
 127.15 348.6
 CPDLC
 GND CON
 121.8 348.6 (WEST)
 121.9 348.6 (EAST)
 CHARLOTTE TOWER
 118.1 257.8 (Rwys 18L-36R)
 126.4 257.8 (Rwy 18C-36C)
 133.35 257.8 (Rwy 18R-36L)
 CHARLOTTE DEP CON
 120.5 257.2

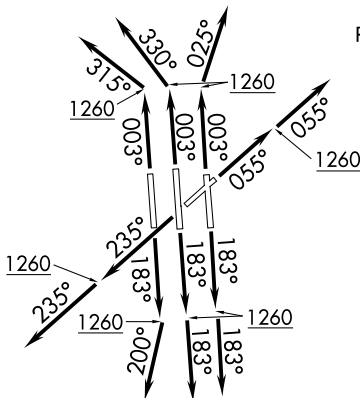
**TOP ALTITUDE:
8000**



- NOTE: For turbojets only.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: If unable to accept climb rates, advise ATC on initial contact.
- NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.

TAKEOFF MINIMUMS

- Rwys 18C/L/R, 23, 36C/R: Standard with minimum climb of 500' per NM to 1260.
- Rwy 5: Standard with minimum climb of 500' per NM to 1300.
- Rwy 36L: Standard with minimum climb of 500' per NM to 1400.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

KRITR FIVE DEPARTURE (RNAV)

(KRITR5.KRITR) 03JAN19

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

KRITR FIVE DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION SEE ADDITIONAL REQUIREMENTS ON AAUP

TAKEOFF RWY 5: Climb heading 055° to 1260, then on heading 055° or as assigned by ATC, expect RADAR vectors to JDEAN, thence. . . .

TAKEOFF RWYS 18C/L: Climb heading 183° to 1260, then on heading 183° or as assigned by ATC, expect RADAR vectors to JDEAN, thence. . . .

TAKEOFF RWY 18R: Climb heading 183° to 1260, then on heading 200° or as assigned by ATC, expect RADAR vectors to JDEAN, thence. . . .

TAKEOFF RWY 23: Climb heading 235° to 1260, then on heading 235° or as assigned by ATC, expect RADAR vectors to JDEAN, thence. . . .

TAKEOFF RWY 36C: Climb heading 003° to 1260, then on heading 330° or as assigned by ATC, expect RADAR vectors to JDEAN, thence. . . .

TAKEOFF RWY 36L: Climb heading 003° to 1260, then on heading 315° or as assigned by ATC, expect RADAR vectors to JDEAN, thence. . . .

TAKEOFF RWY 36R: Climb heading 003° to 1260, then on heading 025° or as assigned by ATC, expect RADAR vectors to JDEAN, thence. . . .

. . . .on track 022° to KRITR, then on assigned transition. Maintain 8000.
Expect clearance to filed altitude within 10 minutes after departure.

FILDS TRANSITION (KRITR5.FILDS)

SMIAM TRANSITION (KRITR5.SMIAM)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

(KWEEN4.KWEEN) 23166

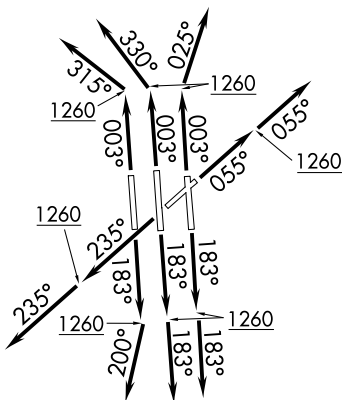
AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

KWEEN FOUR DEPARTURE (RNAV)

**TOP ALTITUDE:
8000**

D-ATIS DEP
132.1
CLNC DEL
127.15 348.6
CPDLC
GND CON
121.8 348.6 (WEST)
121.9 348.6 (EAST)
CHARLOTTE TOWER
118.1 257.8 (Rwys 18L-36R)
126.4 257.8 (Rwy 18C-36C)
133.35 257.8 (Rwy 18R-36L)
CHARLOTTE DEP CON
120.5 257.2 (Rwys 36L/C)
124.0 307.8 (Rwys 18L/C/R, 36R)



HMMPY



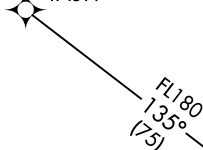
KWEEN



UNJAM



TASTY



PITRW

- NOTE: For turbojets only.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: If unable to accept climb rates, advise ATC on initial contact.
- NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.
- NOTE: Transponder code will be issued via PDC or Charlotte CLNC DEL.

TAKEOFF MINIMUMS

Rwys 18C/L/R, 23, 36C/L/R: Standard with minimum climb of 500' per NM to 1260.
Rwy 5: Standard with minimum climb of 500' per NM to 1300.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

KWEEN FOUR DEPARTURE (RNAV)

(KWEEN4.KWEEN) 03JAN19

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

KWEEN FOUR DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION SEE ADDITIONAL REQUIREMENTS ON AAUP

TAKEOFF RWY 5: Climb heading 055° to 1260, then on heading 055° or as assigned by ATC, expect RADAR vectors to HMMPY, thence. . . .

TAKEOFF RWYS 18C/L: Climb heading 183° to 1260, then on heading 183° or as assigned by ATC, expect RADAR vectors to HMMPY, thence. . . .

TAKEOFF RWY 18R: Climb heading 183° to 1260, then on heading 200° or as assigned by ATC, expect RADAR vectors to HMMPY, thence. . . .

TAKEOFF RWY 23: Climb heading 235° to 1260, then on heading 235° or as assigned by ATC, expect RADAR vectors to HMMPY, thence. . . .

TAKEOFF RWY 36C: Climb heading 003° to 1260, then on heading 330° or as assigned by ATC, expect RADAR vectors to HMMPY, thence. . . .

TAKEOFF RWY 36L: Climb heading 003° to 1260, then on heading 315° or as assigned by ATC, expect RADAR vectors to HMMPY, thence. . . .

TAKEOFF RWY 36R: Climb heading 003° to 1260, then on heading 025° or as assigned by ATC, expect RADAR vectors to HMMPY, thence. . . .

. . . .on track 181° to KWEEN, then on assigned transition. Maintain 8000.
Expect clearance to filed altitude within 10 minutes after departure.

PITRW TRANSITION (KWEEN4.PITRW)

UNJAM TRANSITION (KWEEN4.UNJAM)

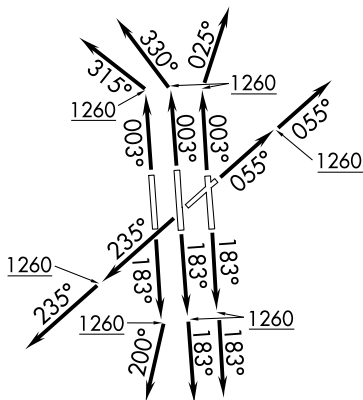
SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

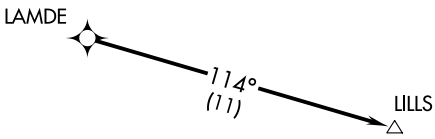
LILLS TWO DEPARTURE (RNAV)

**TOP ALTITUDE:
8000**

D-ATIS DEP 132.1
 CLNC DEL
 127.15 348.6
 CPDLC
 GND CON
 121.8 348.6 (WEST)
 121.9 348.6 (EAST)
 CHARLOTTE TOWER
 118.1 257.8 (Rwys 18L-36R)
 126.4 257.8 (Rwys 18C-36C)
 133.35 257.8 (Rwys 18R-36L)
 CHARLOTTE DEP CON
 124.0 307.8



- NOTE: For turbojets only.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.
- NOTE: If unable to accept climb rates, advise ATC on initial contact.
- NOTE: Transponder code will be issued via PDC or Charlotte CLNC DEL.



TAKEOFF MINIMUMS

Rwys 18C/L/R, 23, 36C/R: Standard with minimum climb of 500' per NM to 1260.
 Rwy 5: Standard with minimum climb of 500' per NM to 1300.
 Rwy 36L: Standard with minimum climb of 500' per NM to 1400.

NOTE: Chart not to scale.



DEPARTURE ROUTE DESCRIPTION SEE ADDITIONAL REQUIREMENTS ON AAUP.

TAKEOFF RWY 5: Climb heading 055° to 1260, then on heading 055° or as assigned by ATC, expect RADAR vectors to LAMDE, thence. . .

TAKEOFF RWYS 18C/L: Climb heading 183° to 1260, then on heading 183° or as assigned by ATC, expect RADAR vectors to LAMDE, thence. . .

TAKEOFF RWY 18R: Climb heading 183° to 1260, then on heading 200° or as assigned by ATC, expect RADAR vectors to LAMDE, thence. . .

TAKEOFF RWY 23: Climb heading 235° to 1260, then on heading 235° or as assigned by ATC, expect RADAR vectors to LAMDE, thence. . .

TAKEOFF RWY 36C: Climb heading 003° to 1260, then on heading 330° or as assigned by ATC, expect RADAR vectors to LAMDE, thence. . .

TAKEOFF RWY 36L: Climb heading 003° to 1260, then on heading 315° or as assigned by ATC, expect RADAR vectors to LAMDE, thence. . .

TAKEOFF RWY 36R: Climb heading 003° to 1260, then on heading 025° or as assigned by ATC, expect RADAR vectors to LAMDE, thence. . .

. . .on depicted route to LILLS. Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

LILLS TWO DEPARTURE (RNAV)

SE-2, 22 FEB 2024 to 21 MAR 2024

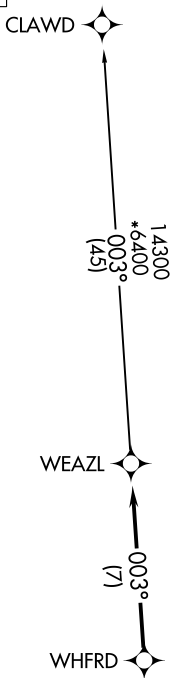
SE-2, 22 FEB 2024 to 21 MAR 2024

WEAZL FOUR DEPARTURE (RNAV)

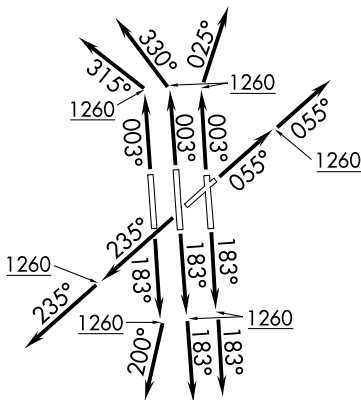
CHARLOTTE, NORTH CAROLINA

**TOP ALTITUDE:
8000**

D-ATIS DEP 132.1
 CLNC DEL 127.15 348.6
 CPDLC
 GND CON 121.8 348.6 (WEST)
 121.9 348.6 (EAST)
 CHARLOTTE TOWER 118.1 257.8 (Rwys 18L-36R)
 126.4 257.8 (Rwy 18C-36C)
 133.35 257.8 (Rwy 18R-36L)
 CHARLOTTE DEP CON 120.5 257.2



- NOTE: For turbojets only.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: RNAV 1.
- NOTE: RADAR required.
- NOTE: If unable to accept climb rates, advise ATC on initial contact.
- NOTE: Accelerate to 250K, if unable advise ATC. Upon reaching 10000 MSL, accelerate to and maintain 280K, if unable advise ATC.



TAKEOFF MINIMUMS

Rwys 18C/L/R, 23, 36C/R: Standard with minimum climb of 500' per NM to 1260.
 Rwy 5: Standard with minimum climb of 500' per NM to 1300.
 Rwy 36L: Standard with minimum climb of 500' per NM to 1400.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

WEAZL FOUR DEPARTURE (RNAV)



DEPARTURE ROUTE DESCRIPTION SEE ADDITIONAL REQUIREMENTS ON AAUP

TAKEOFF RWY 5: Climb heading 055° to 1260, then on heading 055° or as assigned by ATC, expect RADAR vectors to WHFRD, thence. . .

TAKEOFF RWYS 18C/L: Climb heading 183° to 1260, then on heading 183° or as assigned by ATC, expect RADAR vectors to WHFRD, thence. . .

TAKEOFF RWY 18R: Climb heading 183° to 1260, then on heading 200° or as assigned by ATC, expect RADAR vectors to WHFRD, thence. . .

TAKEOFF RWY 23: Climb heading 235° to 1260, then on heading 235° or as assigned by ATC, expect RADAR vectors to WHFRD, thence. . .

TAKEOFF RWY 36C: Climb heading 003° to 1260, then on heading 330° or as assigned by ATC, expect RADAR vectors to WHFRD, thence. . .

TAKEOFF RWY 36L: Climb heading 003° to 1260, then on heading 315° or as assigned by ATC, expect RADAR vectors to WHFRD, thence. . .

TAKEOFF RWY 36R: Climb heading 003° to 1260, then on heading 025° or as assigned by ATC, expect RADAR vectors to WHFRD, thence. . .

. . . on track 003° to WEAZL, then on CLAWD TRANSITION. Maintain 8000. Expect clearance to filed altitude within 10 minutes after departure.

CLAWD TRANSITION (WEAZL4.CLAWD)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

HOT SPOTS

An "airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION*
ASHEVILLE, NC ASHEVILLE RGNL (AVL)	HS1	Limited visibility of Twy A between A5 and A6 from the tower.
CHARLESTON, SC CHARLESTON AFB/INTL (CHS)	HS 1	Twy A and Twy F and Rwy 15-33 confusing int.
	HS 2	Rwy 21, Twy A, Twy A1 and Twy E.
CHARLOTTE, NC CHARLOTTE/DOUGLAS INTL (CLT)	HS 1	Confusing int due to convergence of Twy R, Twy A, Twy C and Twy C9, along with grass island.
	HS 2	Pilots exiting Rwy 18C-36C on Twy S for either Twy E or Twy F mistakenly turn left on Twy E5 and re-enter the rwy.
	HS 3	Maintain vigilance northbound on Twy C approaching Twy C10 twy signs not aligned, allow for wingtip clearance with traffic exiting Rwy 36R at Twy C10.
COLUMBIA, SC COLUMBIA METRO (CAE)	HS 1	Rwy 23 departures miss the turn from Twy A eastbound to Twy C.
	HS 2	Maintain vigilance due to twy geometry. Twy D enters Rwy 29 behind THR. Twy D7 requires aircraft to turn parallel to Rwy 29 prior to Twy D.
	HS 3	Act exiting Rwy 11-29 maintain vigilance as hold position markings are north of Twy F and Twy A6. Twy A3.
FLORENCE, SC FLORENCE RGNL (FLO)	HS 1	Be aware, when taxing eastbound on Twy B3, pilots sometimes miss turn onto Twy B and enter Rwy 01/19 without authorization.
GREENSBORO, NC PIEDMONT TRIAD INTL (GSO)	HS 1	Maintain vigilance confusing twy, turn right onto Twy K6, only cargo N of Twy K6.
GREENVILLE, SC GREENVILLE DOWNTOWN (GMU)	HS 1	Twy A, Twy D, Twy G, Twy C, Rwy 10-28 and Rwy 01-19.
RALEIGH/DURHAM, NC RALEIGH-DURHAM INTL (RDU)	HS 1	Int of Rwy 05R-23L and Twy C.
WILMINGTON, NC WILMINGTON INTL (ILM)	HS 1	Maintain vigilance confusing int, close proximity to rwy.

*See appropriate Chart Supplement HOT SPOT table for additional information.

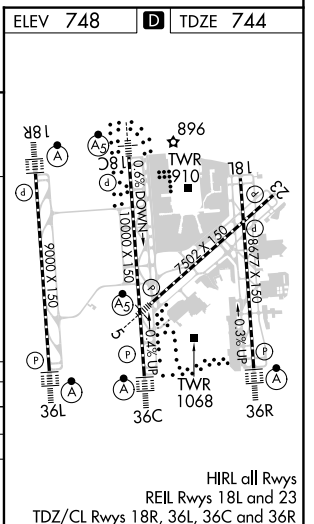
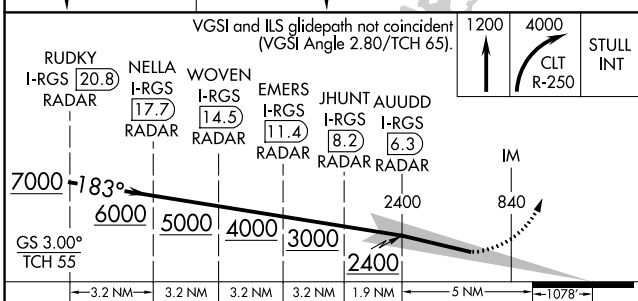
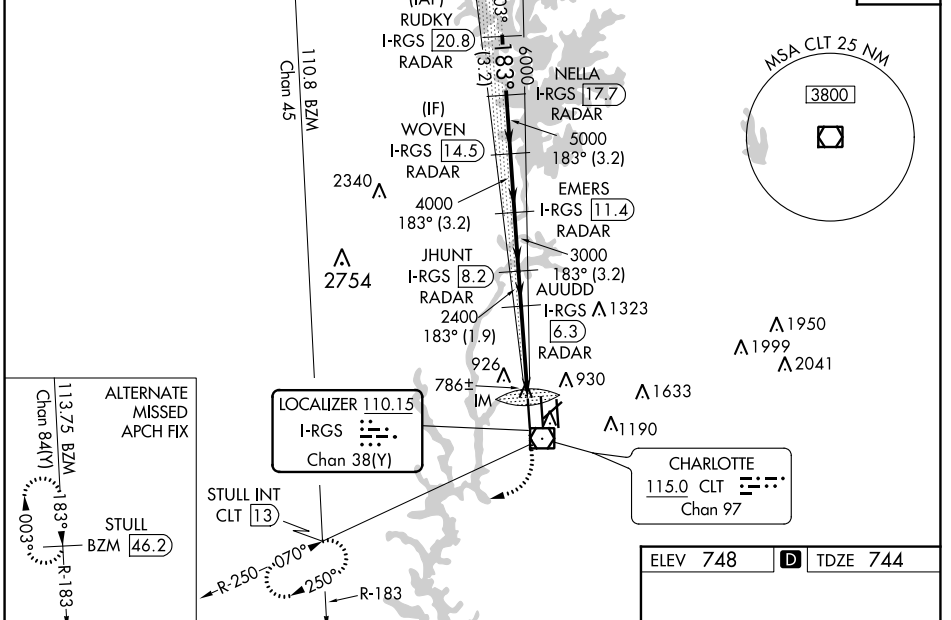
LOC/DME I-RGS 110.15 Chan 38(Y)	APP CRS 183°	Rwy Idg TDZE 744 Apt Elev 748	9000
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ILS RWY 18R (CAT II & III)

CHARLOTTE/DOUGLAS INTL (CLT)

RADAR required for procedure entry. DME or RADAR required.		ALSF-2 	MISSED APPROACH: Climb to 1200 then climbing right turn to 4000 on CLT VOR/DME R-250 to STULL INT/CLT 13 DME and hold, continue climb-in-hold to 4000.
Simultaneous approach authorized.			

D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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CATEGORY	A	B	C	D
S-ILS 18R	CAT II RA 106/12 100 DA 844			
S-ILS 18R	CAT III RVR 06			

CATEGORY II & III ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-RGS 110.15 Chan 38(Y)	APP CRS 183°	Rwy Idg 9000 TDZE 744 Apt Elev 748
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ILS RWY 18R (SA CAT I)

CHARLOTTE/DOUGLAS INTL (CLT)

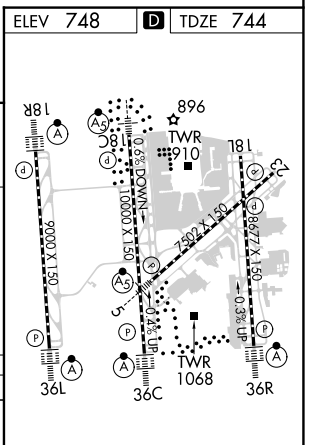
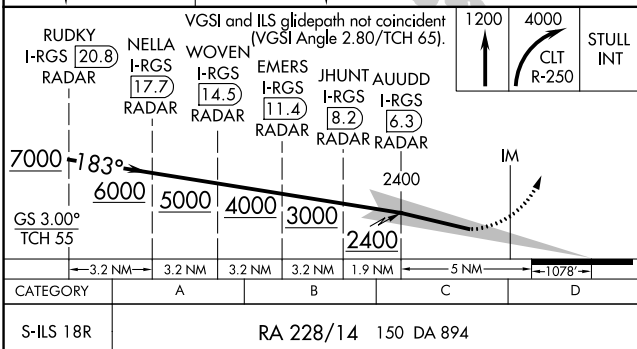
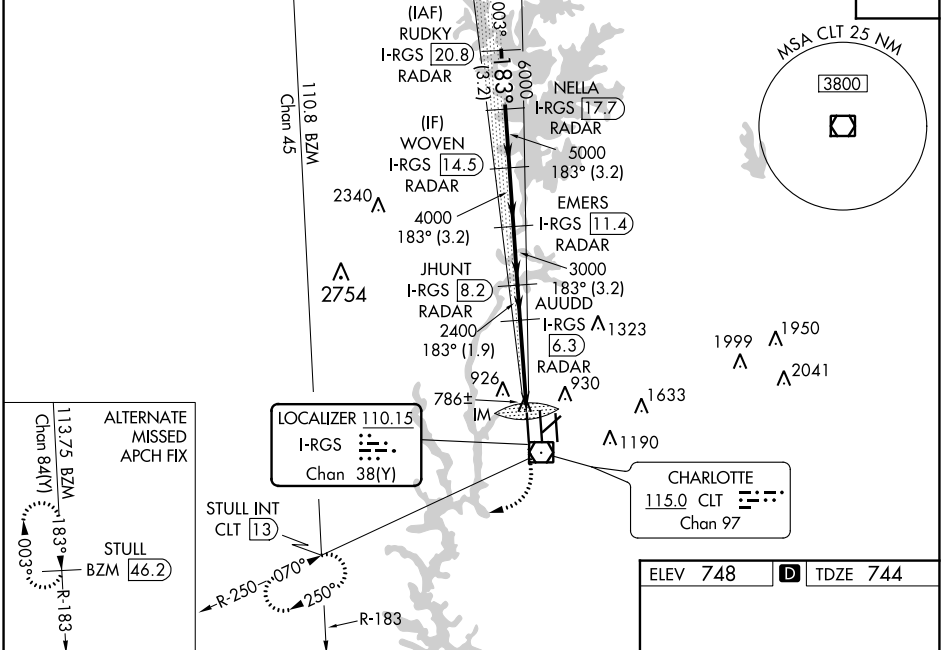
RADAR required for procedure entry. DME or RADAR required.

Simultaneous approach authorized.
Requires specific OPSPEC, MSPEC or LOA approval and use of HUD to DH.

ALSF-2

MISSED APPROACH: Climb to 1200 then climbing right turn to 4000 on CLT VOR/DME R-250 to STULL INT/CLT 13 DME and hold, continue climb-in-hold to 4000.

D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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SA CATEGORY I ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

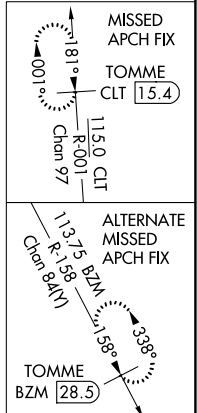
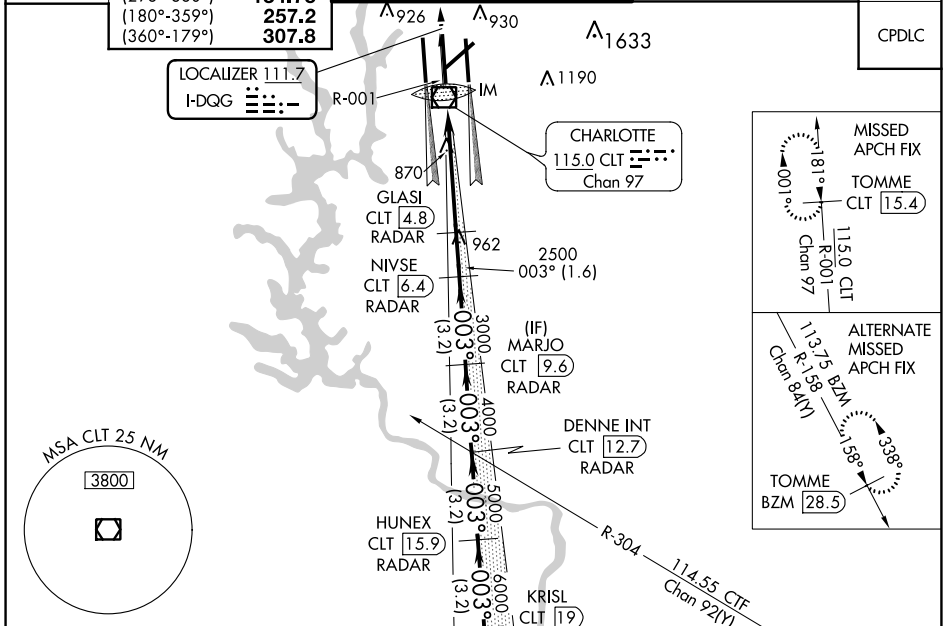
LOC I-DQG	APP CRS	Rwy Idg	10000
111.7	003°	TDZE	707
		Apt Elev	748

ILS RWY 36C (CAT II & III)

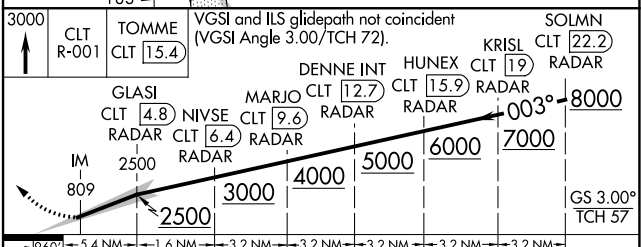
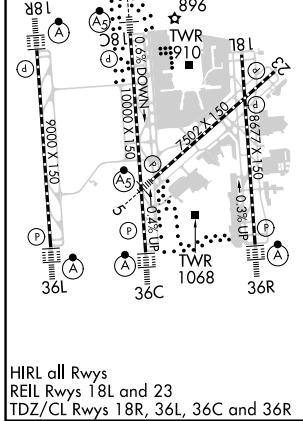
CHARLOTTE/DOUGLAS INTL (CLT)

RADAR required for procedure entry. DME or RADAR required. **ALSF-2**
 MISSED APPROACH: Climb to 3000 on CLT VOR/DME R-001 to TOMME/CLT 15.4 DME and hold.

D-ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R) 118.1 257.8	121.8 348.6 (WEST)	127.15
DEP 132.1	(120°-295°) 120.05	(Rwy 18C-36C) 126.4 257.8	121.9 348.6 (EAST)	348.6
	(296°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			



ELEV 748	D	TDZE 707
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3000	CLT R-001	TOMME CLT 15.4	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 72).	SOLMN CLT 22.2
			DENNE INT CLT 12.7	HUNEX CLT 19
			GLASI CLT 4.8	NIVSE CLT 6.4
			MARJO CLT 9.6	KRISL CLT 19
			IM CLT 809	SOLMN CLT 22.2
				GS 3.00° TCH 57

CATEGORY	A	B	C	D
S-ILS 36C	CAT II	RA 126/12	100 DA 807	
S-ILS 36C		CAT IIIa	RVR 07	
S-ILS 36C		CAT IIIb	RVR 07	
S-ILS 36C		CAT IIIc	NA	

CATEGORY II & III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

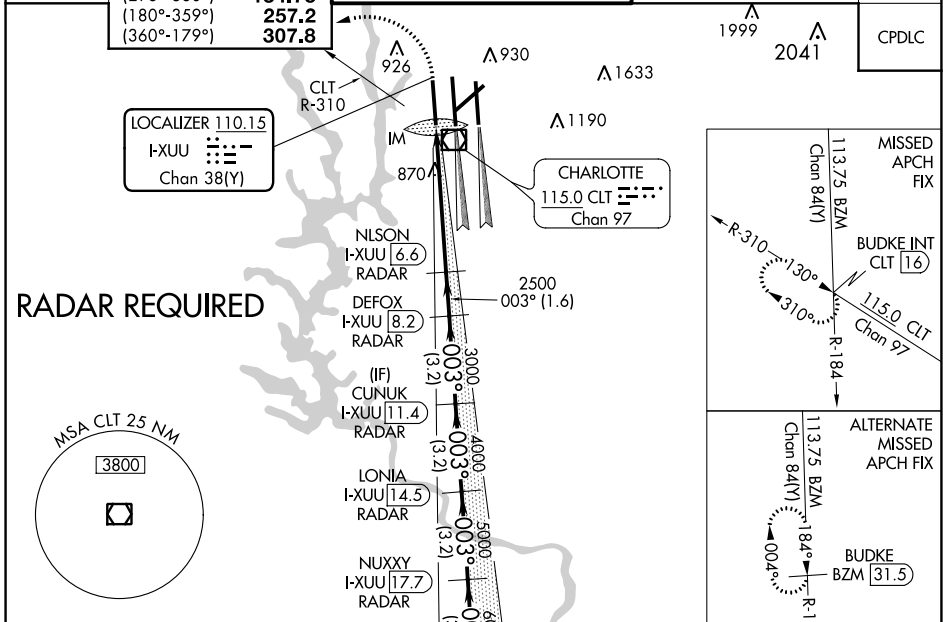
LOC/DME I-XUU 110.15 Chan 38(Y)	APP CRS 003°	Rwy Idg TDZE 744 Apt Elev 748	9000
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ILS RWY 36L (CAT II & III)

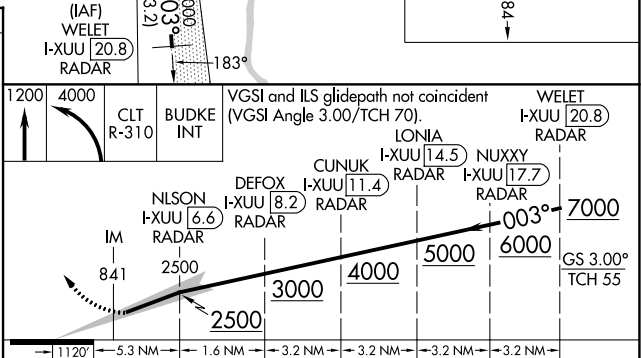
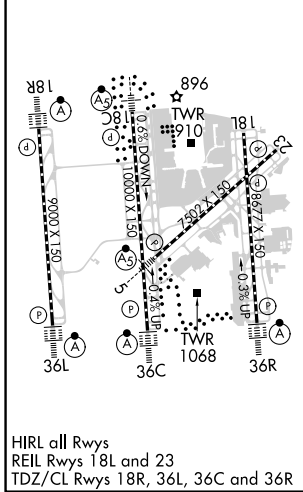
CHARLOTTE/DOUGLAS INTL (CLT)

<p>⚠ Simultaneous approach authorized. DME or RADAR required.</p>	<p>ALSF-2</p>	<p>MISSED APPROACH: Climb to 1200 then climbing left turn to 4000 on CLT VOR/DME R-310 to BUDKE INT/CLT 16 DME and hold.</p>
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D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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ELEV 748	D TDZE 744
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	1120'	5.3 NM	1.6 NM	3.2 NM	3.2 NM	3.2 NM	3.2 NM
CATEGORY	A	B	C	D			
S-ILS 36L	CAT II RA 106/12 100 DA 844						
S-ILS 36L	CAT IIIa RVR 07						
S-ILS 36L	CAT IIIb RVR 06						
S-ILS 36L	CAT IIIc NA						

CATEGORY II & III ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-XUU 110.15 Chan 38 (Y)	APP CRS 003°	Rwy Idg TDZE 744 Apt Elev 748	9000
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ILS RWY 36L (SA CAT I)

CHARLOTTE/DOUGLAS INTL (CLT)

Simultaneous approach authorized.
DME or RADAR required. Requires specific OPSPEC, MSPEC, or LOA approval and use of HUD to DH.

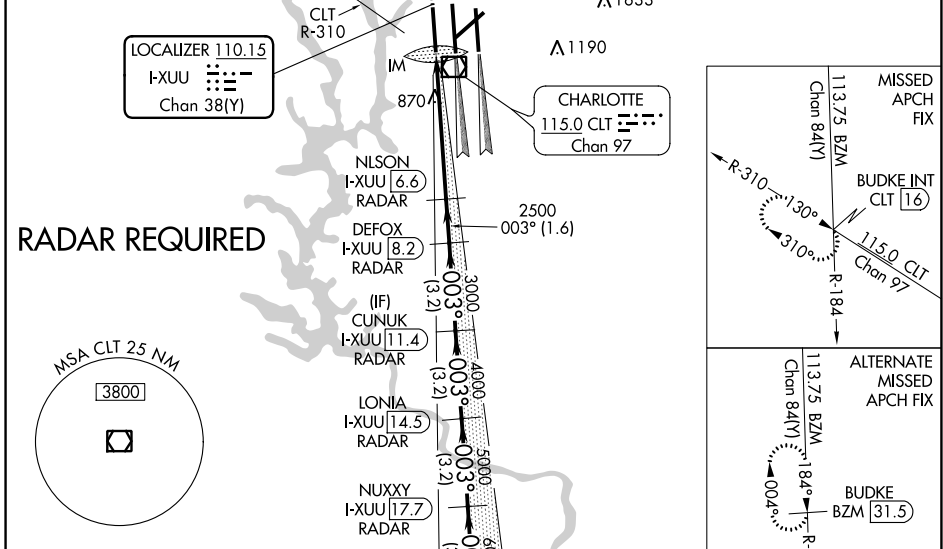
ALSIF-2

MISSED APPROACH: Climb to 1200 then climbing left turn to 4000 and on CLT VOR/DME R-310 to BUDKE INT/CLT 16 DME and hold.

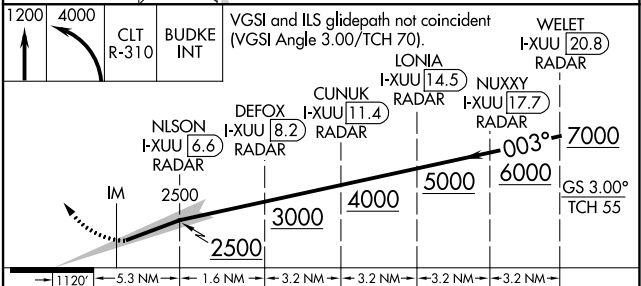
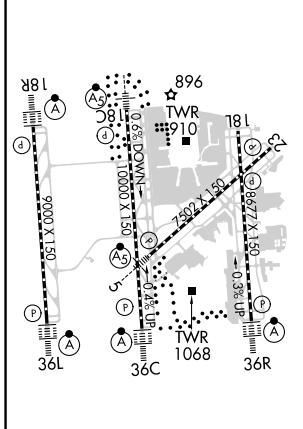
D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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CPDLC

1999 Δ 2041 Δ



ELEV 748	D	TDZE 744
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1120°	5.3 NM	1.6 NM	3.2 NM	3.2 NM	3.2 NM	3.2 NM
CATEGORY	A		B		C	
S-ILS 36L	RA 164/14 150		DA 894			

SA CATEGORY I ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

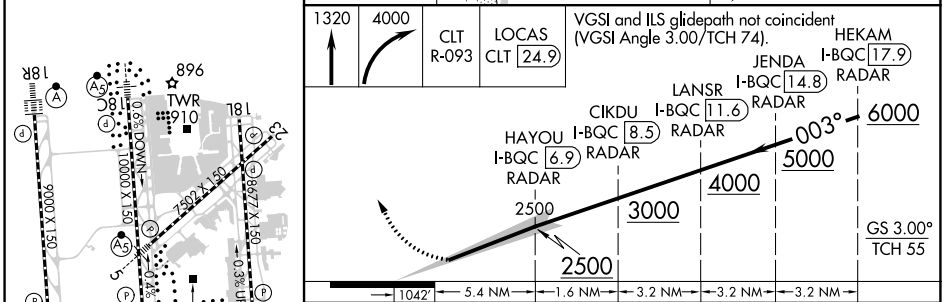
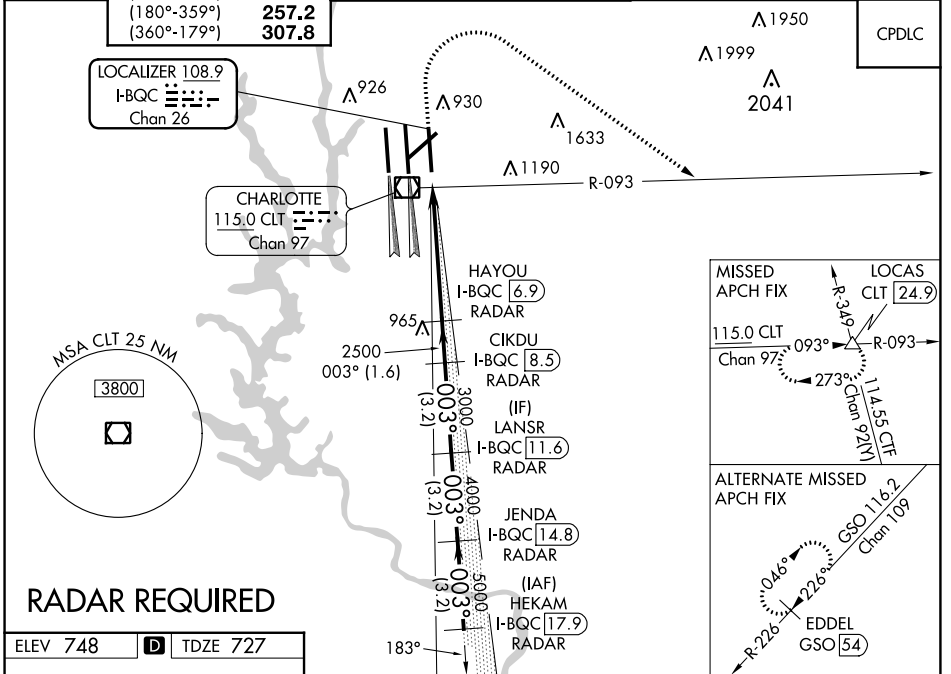
LOC/DME I-BQC 108.9 Chan 26	APP CRS 003°	Rwy Idg TDZE Apt Elev	8390 727 748
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ILS RWY 36R (CAT II & III)

CHARLOTTE/DOUGLAS INTL (CLT)

Simultaneous approach authorized. DME or RADAR required.	ALS-2	MISSED APPROACH: Climb to 1320 then climbing right turn to 4000 on CLT VOR/DME R-093 to LOCAS INT/24.9 DME and hold.
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D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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18R	896	TWR 910	181	36L	36C	36R
0.65° DOWN	10000 X 150	0.3° UP	0.3° UP	0.667° X 150	0.3° UP	0.3° UP
9000 X 150						
36L		TWR 1068		36C		36R

CATEGORY	A	B	C	D
S-ILS 36R	CAT II RA 119/12 100 DA 827			
S-ILS 36R	CAT IIIa RVR 06			
S-ILS 36R	CAT IIIb NA			
S-ILS 36R	CAT IIIc NA			

CATEGORY II & III ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

LOC/DME I-BQC 108.9 Chan 26	APP CRS 003°	Rwy Idg TDZE 727 Apt Elev 748	8390
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ILS RWY 36R (SA CAT I)

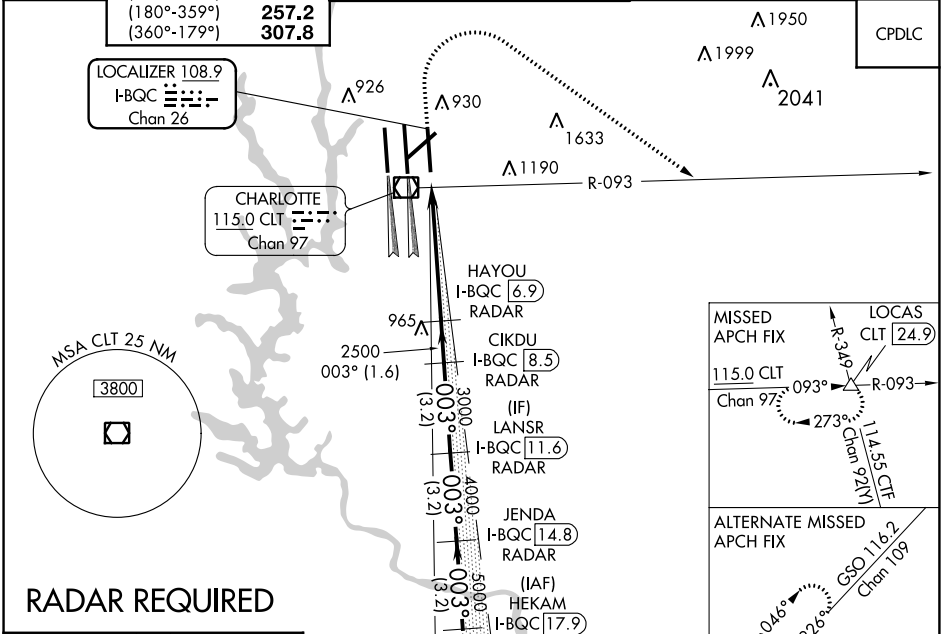
CHARLOTTE/DOUGLAS INTL (CLT)

Simultaneous approach authorized. DME or RADAR required. Requires specific OPSPEC, MSPEC or LOA approval and use of HUD to DH.

ALS-F-2

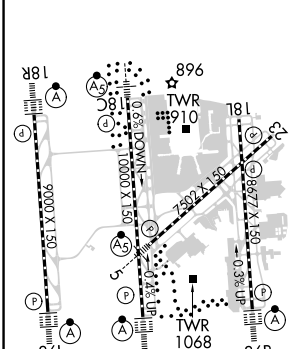
MISSED APPROACH: Climb to 1320 then climbing right turn to 4000 on CLT VOR/DME R-093 to LOCAS INT/24.9 DME and hold.

D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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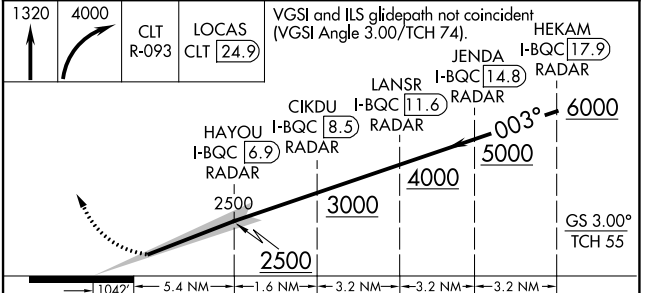


RADAR REQUIRED

ELEV 748	D	TDZE 727
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HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R



CATEGORY	A	B	C	D
S-ILS 36R	RA 173/14 150 DA 877			

SA CATEGORY I ILS SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

SE-2, 22 FEB 2024 to 21 MAR 2024


SE-2, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-PEP 111.3 Chan 50	APP CRS 183°	Rwy ldg 10000 TDZE 742 Apt Elev 748
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ILS or LOC RWY 18C

CHARLOTTE/DOUGLAS INTL (CLT)

RADAR required for procedure entry. DME or RADAR required

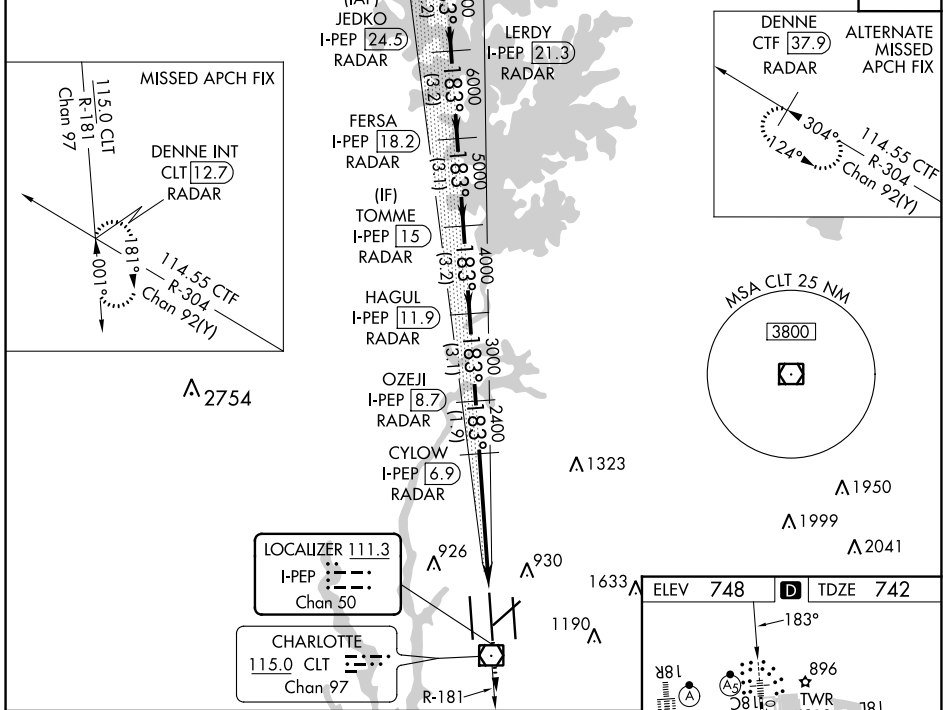
MALSRS  MISSED APPROACH: Climb to 3000 on CLT VOR/DME R-181 to DENNE INT/CLT 12.7 DME/RADAR and hold.

⚠ Circling NA at night. Simultaneous approach authorized. For inop ALS, increase S-LOC 18C Cat C/D visibility to 1/8 SM.

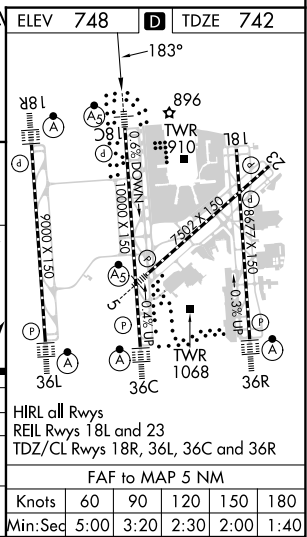
⚠ ** RVR 1800 authorized with the use of FD or AP or HUD to DA.

D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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CPDLC			
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JEDKO I-PEP 24.5 RADAR	LERDY I-PEP 21.3 RADAR	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 69).				CLT R-181	DENNE INT
8000	7000	6000	5000	4000	3000	2400	*LOC only.
GS 3.00° TCH 55	3.2 NM	3.2 NM	3.1 NM	3.2 NM	3.1 NM	1.9 NM	3.7 NM 1.3



CATEGORY	A	B	C	D
S-ILS 18C **	942/24 200 (200-1/2)			
S-LOC 18C	1220/24 478 (500-1/2)	1220/50 478 (500-1)		
CIRCLING	1380-1 632 (700-1)		1500-2 1/4 752 (800-2 1/4)	1500-2 1/2 752 (800-2 1/2)
	FAF to MAP 5 NM			
Knots	60	90	120	150 180
Min:Sec	5:00	3:20	2:30	2:00 1:40

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-VKQ 110.35 Chan 40(Y)	APP CRS 183°	Rwy Idg TDZE Apt Elev 8676 748 748
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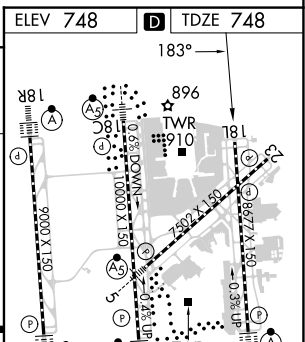
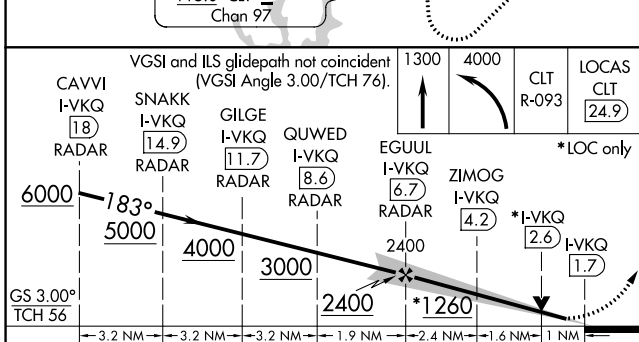
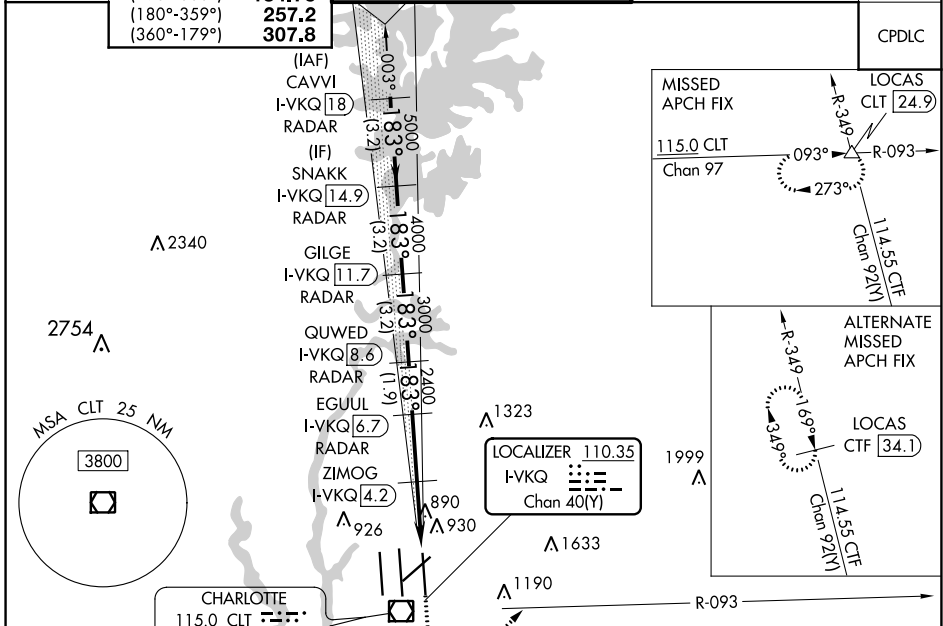
ILS or LOC RWY 18L

CHARLOTTE/DOUGLAS INTL (CLT)

RADAR required for procedure entry. DME or RADAR required. MISSED APPROACH: Climb to 1300 then climbing left turn to 4000 on CLT VOR/DME R-093 to LOCAS INT/CLT 24.9 DME and hold.

Simultaneous approach authorized.
Rwy 18L helicopter visibility reduction below RVR 4000 NA.

D-ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	128.32 (001°-119°)	(Rwys 18L-36R) 118.1 257.8	121.8 348.6 (WEST)	127.15
DEP 132.1	120.05 (120°-295°)	(Rwy 18C-36C) 126.4 257.8	121.9 348.6 (EAST)	348.6
	134.75 (296°-360°)	(Rwy 18R-36L) 133.35 257.8		
	257.2 (180°-359°)			
	307.8 (360°-179°)			



CATEGORY	A	B	C	D
S-ILS 18L	1002/40 254 (300-¾)			
S-LOC 18L	1260/55 512 (600-1)	1260-1⅓ 512 (600-1⅓)		
ZIMOG FIX MINIMUMS (DME REQUIRED)				
S-LOC 18L	1140/55 392 (400-1)	1140/60 392 (400-1¼)		

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

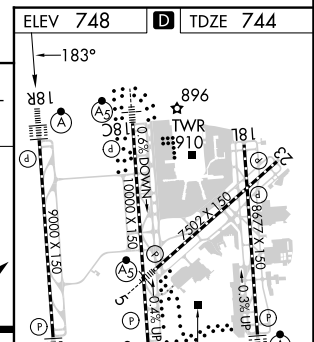
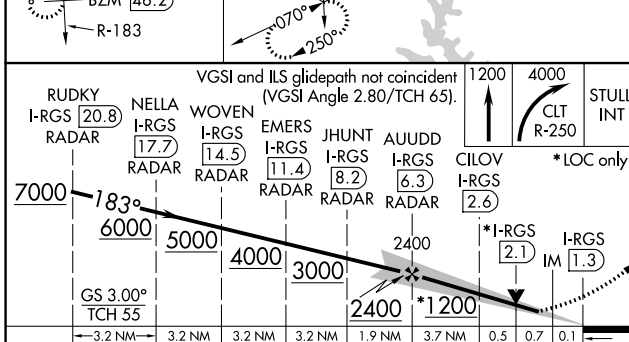
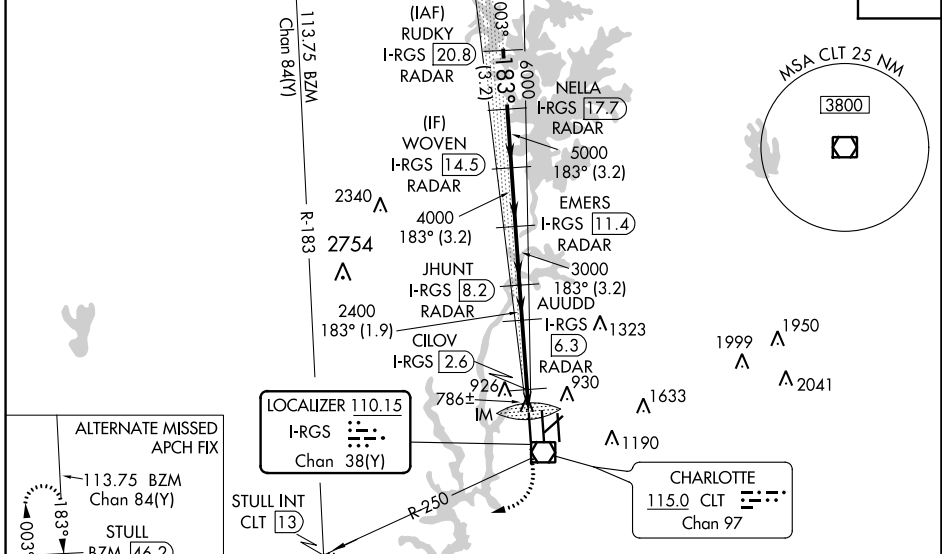
LOC/DME I-RGS 110.15 Chan 38(Y)	APP CRS 183°	Rwy Idg TDZE 744 Apt Elev 748	9000
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ILS or LOC RWY 18R

CHARLOTTE/DOUGLAS INTL (CLT)

RADAR required for procedure entry. DME or RADAR required.		ALSIF-2 A	MISSED APPROACH: Climb to 1200 then climbing right turn to 4000 on CLT VOR/DME R-250 to STULL INT/CLT 13 DME and hold, continue climb-in-hold to 4000.
⚠ Simultaneous approach authorized. CILOV minimums: For inop ALS, increase S-LOC 18R all Cats visibility to RVR 4500.			

D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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CATEGORY	A	B	C	D
S-ILS 18R	944/18 200 (200-½)			
S-LOC 18R	1200/24 456 (500-½)	1200/45 456 (500-¾)		
CILOV FIX MINIMUMS (DME REQUIRED)				
S-LOC 18R	1040/24 296 (300-½)			

ELEV 748	TDZE 744
FAF to MAP 5 NM	
Knots	60 90 120 150 180
Min:Sec	5:00 3:20 2:30 2:00 1:40

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

LOC I-DQG	APP CRS	Rwy Idg	10000
111.7	003°	TDZE	707
		Apt Elev	748

ILS or LOC RWY 36C

CHARLOTTE/DOUGLAS INTL (CLT)

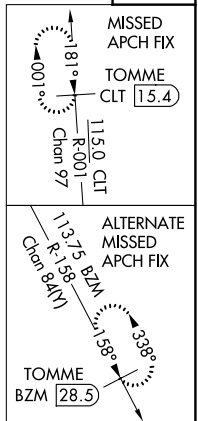
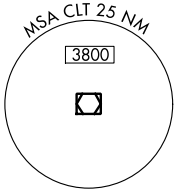
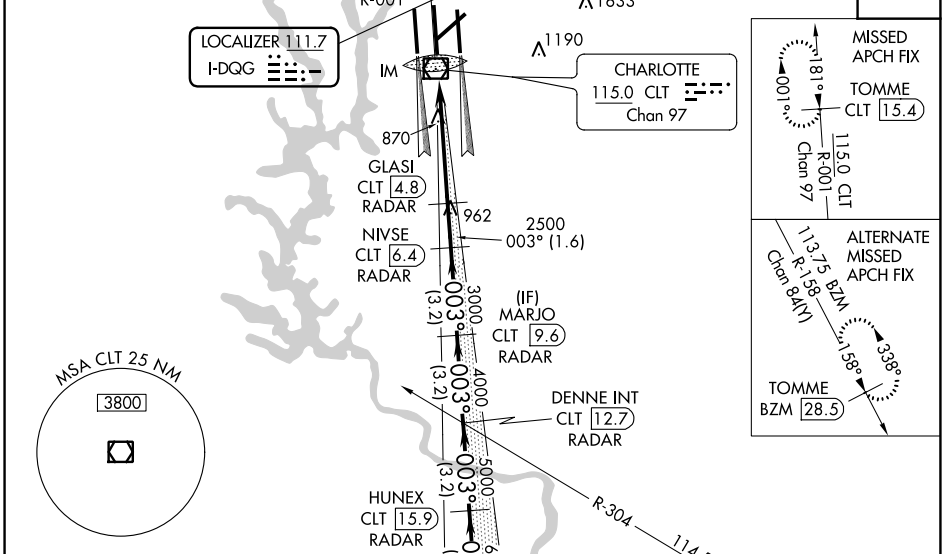
RADAR required for procedure entry. DME or RADAR required.

⚠ Circling NA at night. Simultaneous approach authorized. DQG ILS LLZ Rwy 36C unusable for rollout guidance.

ALSF-2
A

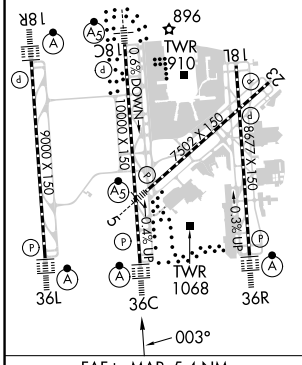
MISSED APPROACH: Climb to 3000 on CLT VOR/DME R-001 to TOMME/CLT 15.4 DME and hold.

D-ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R) 118.1 257.8	121.8 348.6 (WEST)	127.15
DEP 132.1	(120°-295°) 120.05	(Rwy 18C-36C) 126.4 257.8	121.9 348.6 (EAST)	348.6
	(296°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			



ELEV 748	D	TDZE 707
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HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R



3000	CLT R-001	TOMME CLT 15.4	VGS and ILS glidepath not coincident (VGS Angle 3.00/TCH 72).				SOLMN CLT 22.2
	GLASI CLT 4.8	NIVSE CLT 6.4	MARJO CLT 9.6	DENNE INT CLT 12.7	HUNEX CLT 19	KRISL CLT 22.2	
	IM 2500						
	2500	3000	4000	5000	6000	7000	
	0.2	0.2 NM	1.6 NM	3.2 NM	3.2 NM	3.2 NM	
CATEGORY	A		B		C		D
S-ILS 36C	907/18		200 (200-1/2)				
S-LOC 36C	1120/24		413 (400-1/2)				
C CIRCLING	1380-1 632 (700-1)		1500-2 1/4 752 (800-2 1/4)		1500-2 1/2 752 (800-2 1/2)		

FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

SE-2, 22 FEB 2024 to 21 MAR 2024

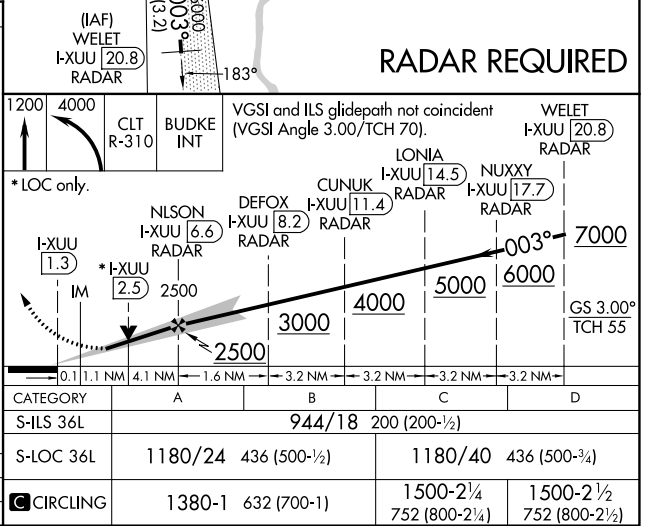
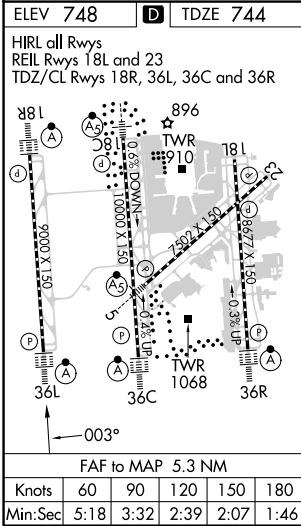
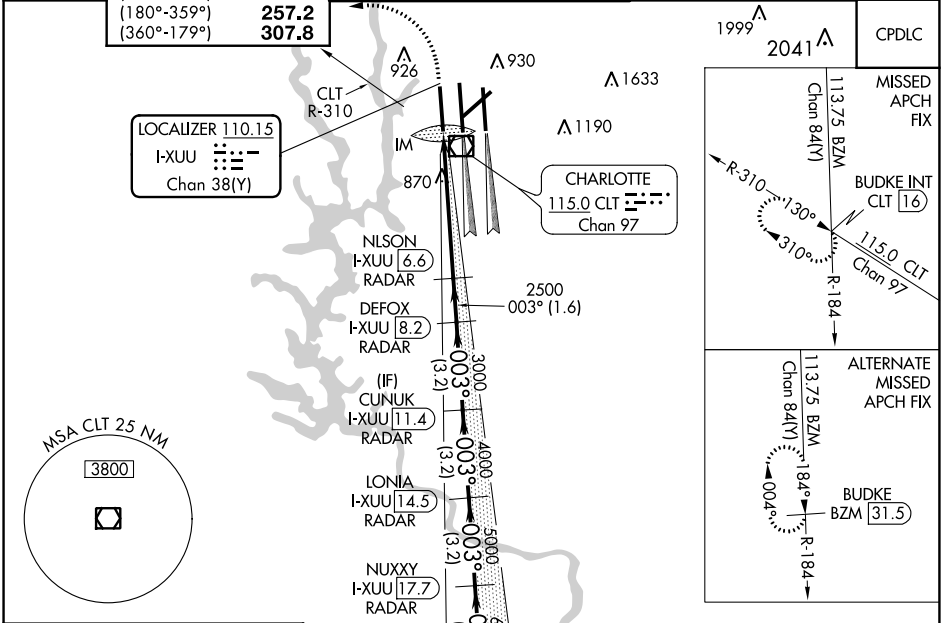
SE-2, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-XUU 110.15 Chan 38(Y)	APP CRS 003°	Rwy Idg TDZE 9000 744 Apt Elev 748
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ILS or LOC RWY 36L

CHARLOTTE/DOUGLAS INTL (CLT)

<p>⚠ Circling NA at night. Simultaneous approach authorized.</p> <p>⚠ DME or RADAR required.</p>	<p>ALSF-2</p>	<p>MISSED APPROACH: Climb to 1200 then climbing left turn to 4000 on CLT VOR/DME R-310 to BUDKE/CLT 16 DME and hold.</p>		
<p>D-ATIS ARR 121.15 DEP 132.1</p>	<p>CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8</p>	<p>CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8</p>	<p>GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)</p>	<p>CLNC DEL 127.15 348.6</p>



SE-2, 22 FEB 2024 to 21 MAR 2024

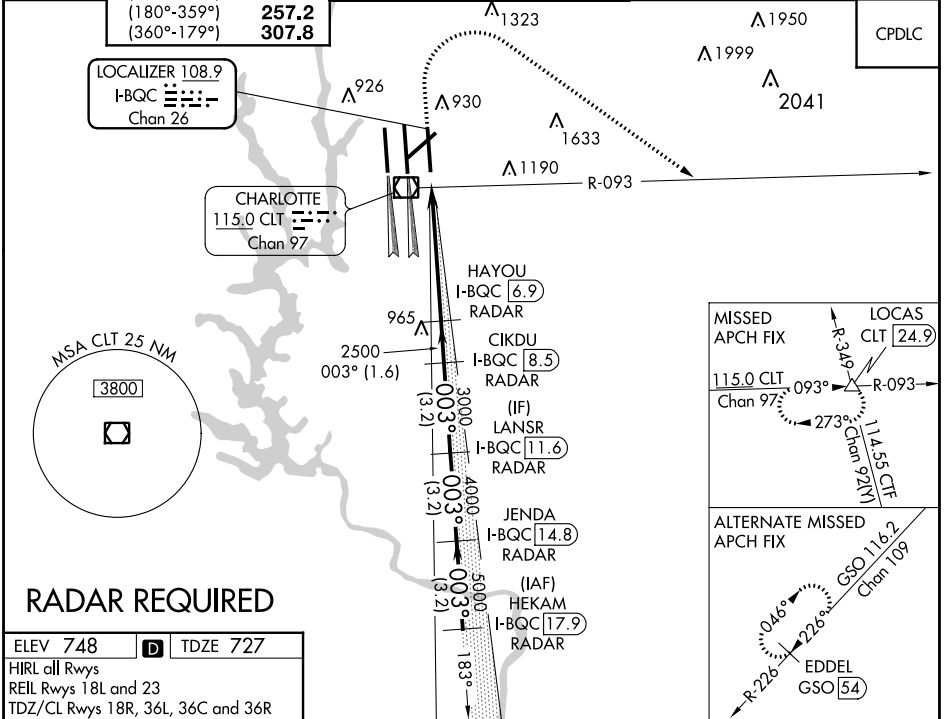
SE-2, 22 FEB 2024 to 21 MAR 2024

LOC/DME I-BQC 108.9 Chan 26	APP CRS 003°	Rwy Idg TDZE Apt Elev	8390 727 748
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ILS or LOC RWY 36R

CHARLOTTE/DOUGLAS INTL (CLT)

⚠ Circling NA at night. Simultaneous approach authorized. DME or RADAR required.	ALS-F-2 	MISSED APPROACH: Climb to 1320 then climbing right turn to 4000 on CLT VOR/DME R-093 to LOCAS INT/24.9 DME and hold.		
	D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)



RADAR REQUIRED

ELEV 748	D	TDZE 727			
HIRL all Rwys					
REIL Rwys 18L and 23					
TDZ/CL Rwys 18R, 36L, 36C and 36R					
FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

1320	4000	CLT R-093	LOCAS CLT [24.9]	VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 74).	
* LOC only.				HEKAM JENDA I-BQC [17.9] RADAR	
				LANSR I-BQC [14.8] RADAR	
				CIKDU I-BQC [11.6] RADAR	
				HAYOU I-BQC [8.5] RADAR	
				I-BQC [6.9] RADAR	
				I-BQC [1.5] *I-BQC [2.5] 2500	
				3000 4000 5000 6000	
				GS 3.00° TCH 55	
CATEGORY		A	B	C	D
S-ILS 36R		927/18 200 (200-½)			
S-LOC 36R		1120/24 393 (400-½)	1120/35 393 (400-¾)		
C CIRCLING		1380-1 632 (700-1)	1500-2¼ 752 (800-2¼)	1500-2½ 752 (800-2½)	

SE-2, 22 FEB 2024 to 21 MAR 2024

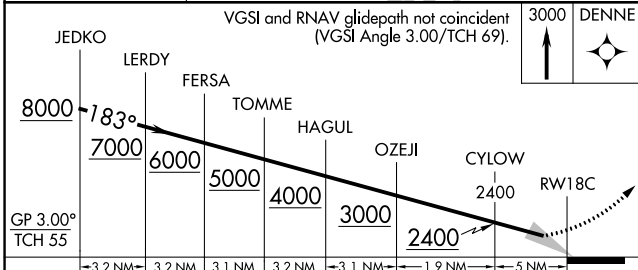
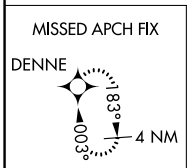
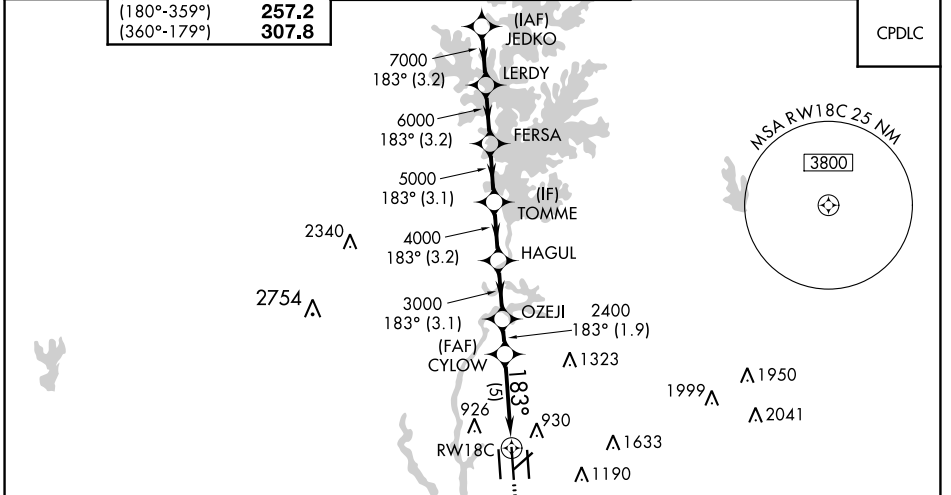
SE-2, 22 FEB 2024 to 21 MAR 2024

APP CRS	Rwy Idg 10000
183°	TDZE 742
	Apt Elev 748

RNAV (RNP) Z RWY 18C

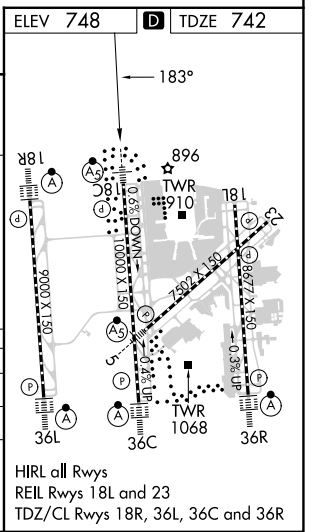
CHARLOTTE/DOUGLAS INTL (CLT)

RNP AR APCH.		MALSRL	MISSED APPROACH: Climb to 3000 direct DENNE and hold.		
<p>Simultaneous approach authorized. For uncompensated Baro-VNAV systems, procedure NA below -11°C or above 54°C.</p>					
D-ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER		GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.325	(Rwys 18L-36R) 118.1 257.8	(Rwy 18C-36C) 126.4 257.8	121.8 348.6 (WEST)	127.15
DEP 132.1	(120°-295°) 120.05	(Rwy 18C-36C) 126.4 257.8	(Rwy 18R-36L) 133.35 257.8	121.9 348.6 (EAST)	348.6
	(296°-360°) 134.75				
	(180°-359°) 257.2				
	(360°-179°) 307.8				



CATEGORY	A	B	C	D
RNP 0.11 DA		1067/26	325 (400-½)	
RNP 0.30 DA		1177/40	435 (500-¾)	

AUTHORIZATION REQUIRED



HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R

APP CRS	Rwy Idg	10000
003°	TDZE	707
	Apt Elev	748

RNAV (RNP) Z RWY 36C

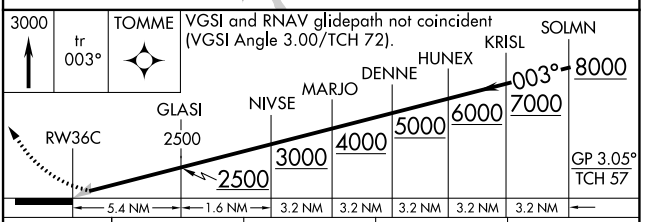
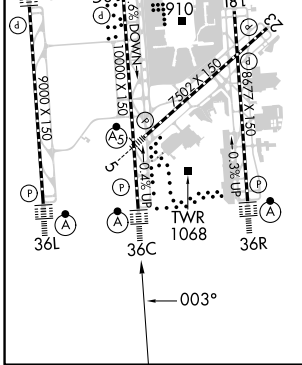
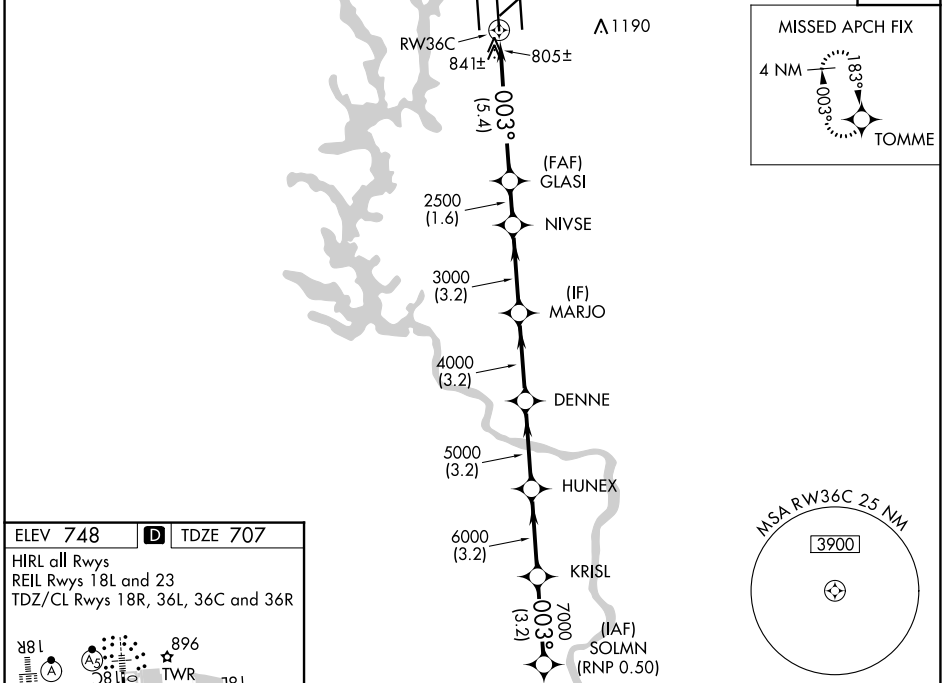
CHARLOTTE/DOUGLAS INTL (CLT)

RNP AR APCH - GPS.

Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. For uncompensated Baro-VNAV systems, procedure NA below -8°C or above 54°C. For inop ALS, increase RNP 0.30 visibility all Cats to 1½ SM.

ALS-2 MISSED APPROACH: Climb to 3000 on track 003° to TOMME and hold.

D-ATIS	CHARLOTTE APP CON	CHARLOTTE TOWER	GND CON	CLNC DEL
ARR 121.15	(001°-119°) 128.32	(Rwys 18L-36R) 118.1 257.8	121.8 348.6 (WEST)	127.15
DEP 132.1	(120°-295°) 120.05	(Rwy 18C-36C) 126.4 257.8	121.9 348.6 (EAST)	348.6
	(296°-360°) 134.75	(Rwy 18R-36L) 133.35 257.8		
	(180°-359°) 257.2			
	(360°-179°) 307.8			



CATEGORY	A	B	C	D
RNP 0.11 DA	1134/40 427 (400-¾)			
RNP 0.30 DA	1180/50 473 (500-1)			

AUTHORIZATION REQUIRED

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

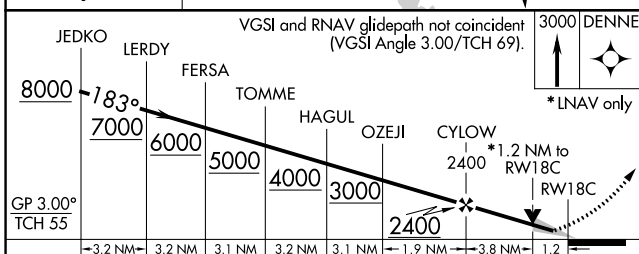
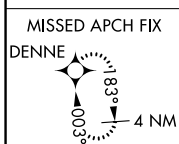
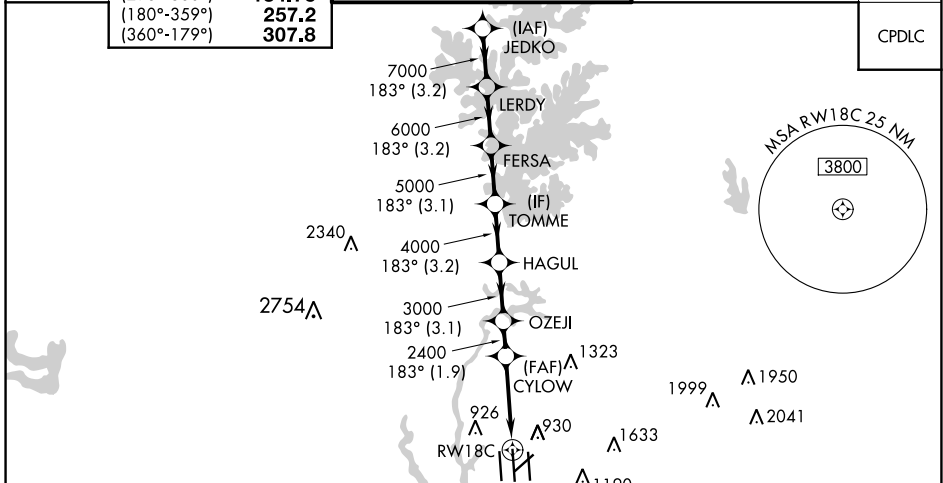
WAAS CH 81800 W18B	APP CRS 183°	Rwy Idg 10000 TDZE 742 Apt Elev 748
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RNAV (GPS) Y RWY 18C

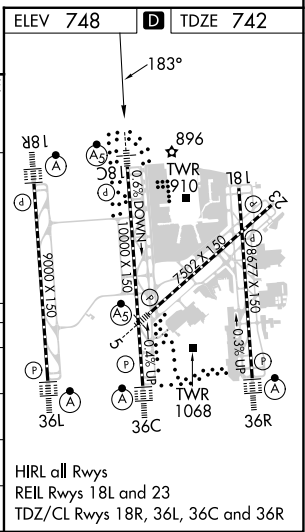
CHARLOTTE/DOUGLAS INTL (CLT)

RNP APCH.	<p>T Circling NA at night. Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. Use of FD or AP required during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C or above 54°C. ** RVR 1800 authorized with use of FD or AP or HUD to DA.</p>	MALS R 	MISSED APPROACH: Climb to 3000 direct DENNE and hold.
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D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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CATEGORY	A	B	C	D
LPV DA **		942/24	200 (200-½)	
LNAV/VNAV DA		1070/26	328 (400-½)	
LNAV MDA	1200/24	458 (500-½)	1200/45	458 (500-¾)
C CIRCLING	1380-1	632 (700-1)	1500-2¼ 752 (800-2¼)	1500-2½ 752 (800-2½)



SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

WAAS CH 77500 W18A	APP CRS 183°	Rwy Idg TDZE Apt Elev	8676 748 748
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RNAV (GPS) Y RWY 18L

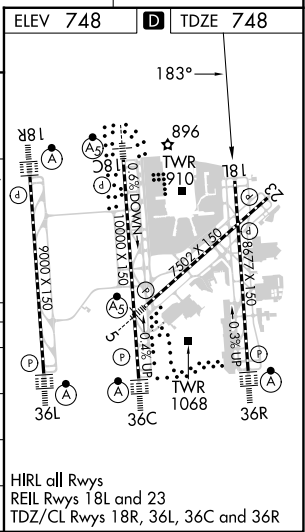
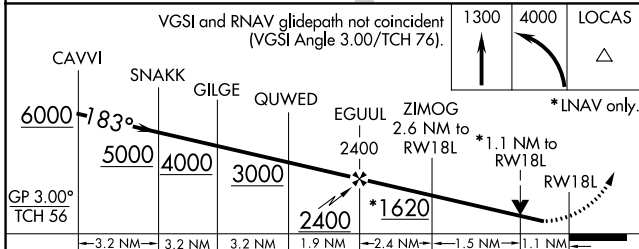
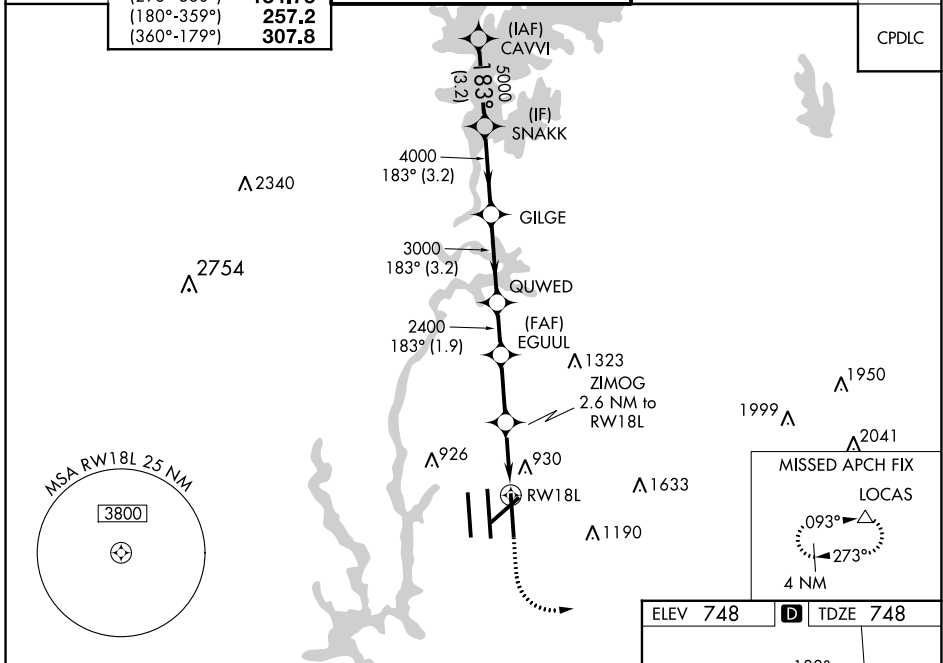
CHARLOTTE/DOUGLAS INTL (CLT)

RNP APCH.

▽ Circling NA at night. Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. Use of FD or AP required during simultaneous operations.
▲ Rwy 18L helicopter visibility reduction below RVR 4000 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C or above 54°C.

MISSED APPROACH: Climb to 1300 then climbing left turn to 4000 direct LOCAS and hold.

D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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CATEGORY	A	B	C	D
LPV DA	1002/40		254 (300-¾)	
LNAV/VNAV DA	1216-1⅜		468 (500-1⅝)	
LNAV MDA	1180/55	432 (500-1)	1180-1¼	432 (500-1¼)
C CIRCLING	1380-1	632 (700-1)	1500-2¼	1500-2½

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

WAAS CH 82415 W18D	APP CRS 183°	Rwy Idg 9000 TDZE 744 Apt Elev 748
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RNAV (GPS) Y RWY 18R

CHARLOTTE/DOUGLAS INTL (CLT)

RNP APCH

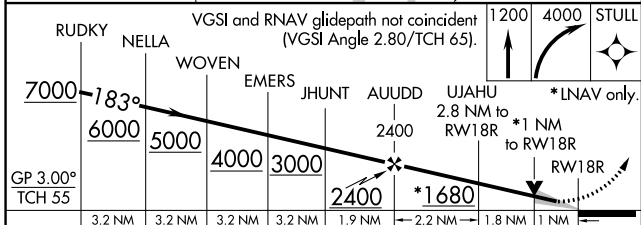
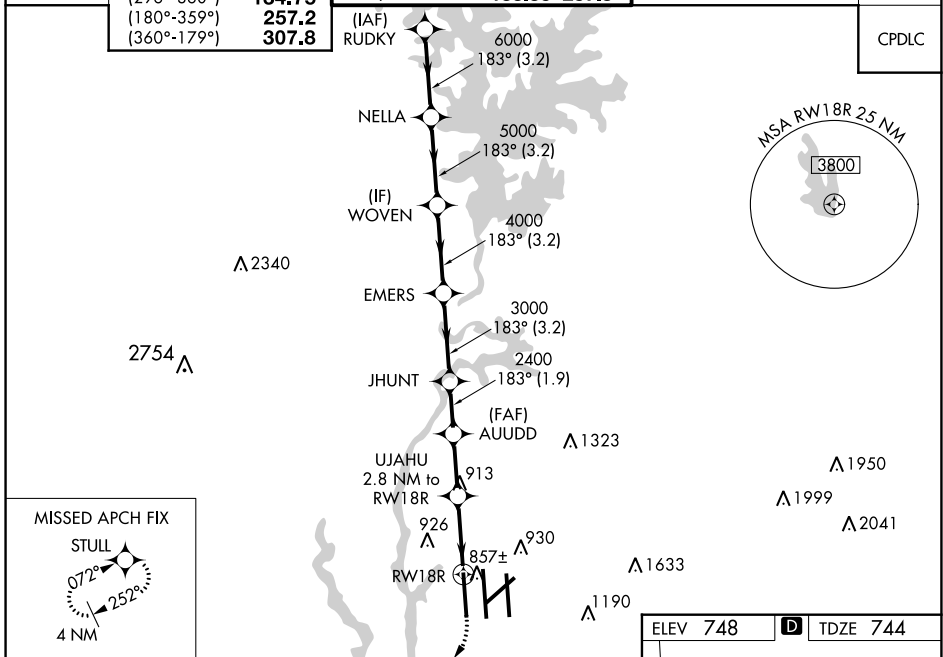
⚠ Circling NA at night. Simultaneous approach authorized. RNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C or above 54°C. For inop ALS, increase LNAV/VNAV all Cats visibility to RVR 4500. For inop ALS, increase LNAV Cat C/D visibility to RVR 5500.

ALSF-2

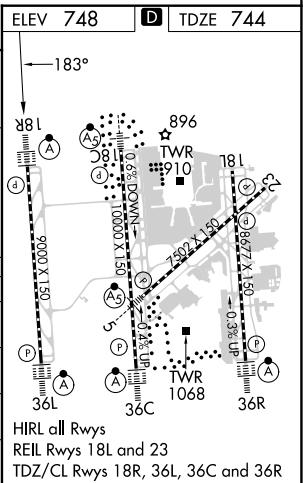


MISSED APPROACH: Climb to 1200 then climbing right turn to 4000 direct STULL and hold, continue climb-in-hold to 4000.

D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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CATEGORY	A	B	C	D
LPV DA	944/18		200 (200-½)	
LNAV/VNAV DA	1018/24		274 (300-½)	
LNAV MDA	1120/24 376 (400-½)		1120/40 376 (400-¾)	
C CIRCLING	1380-1 632 (700-1)		1500-2¼ 752 (800-2¼) 1500-2½ 752 (800-2½)	



WAAS CH 86200 W36B	APP CRS 003°	Rwy Idg 10000 TDZE 707 Apt Elev 748
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RNAV (GPS) Y RWY 36C

CHARLOTTE/DOUGLAS INTL (CLT)

RNP APCH.

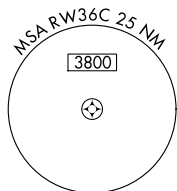
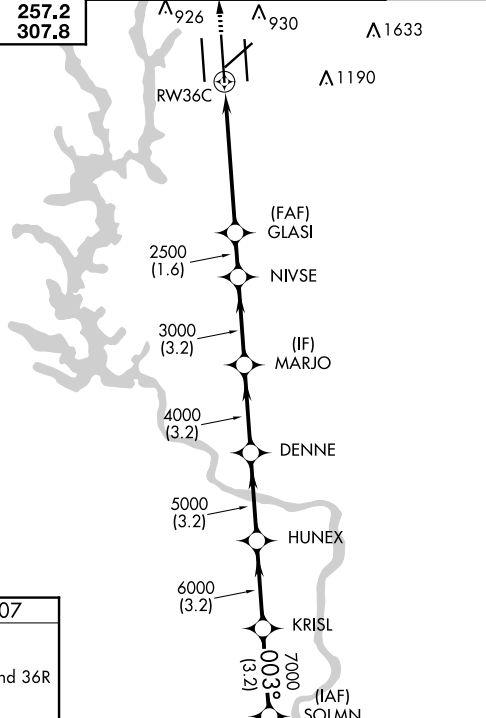
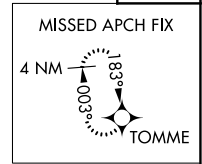
⚠ Circling NA at night. Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C or above 54°C. LNAV procedure NA during simultaneous operations.



MISSED APPROACH:
Climb to 3000 direct
TOMME and hold.

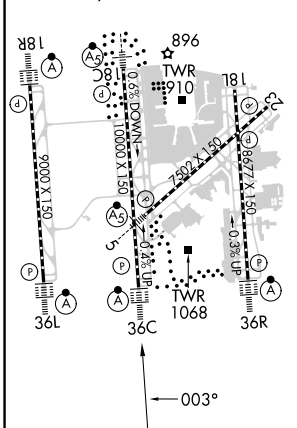
D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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△ 1847	△ 926 △ 930 △ 1633 △ 1190	CPDLC
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ELEV 748	D	TDZE 707
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HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R



3000 TOMME	VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 72).					SOLMN
↑	GLASI	NIVSE	MARJO	DENNE	HUNEX	KRISL
*LNAV only.	2500	3000	4000	5000	6000	7000
↑ 1.7 NM to RW36C	1.7	3.7 NM	1.6 NM	3.2 NM	3.2 NM	3.2 NM
GP 3.00° TCH 57						8000
CATEGORY	A	B		C		D
LPV DA	907/18		200 (200-1/2)			
LNAV/VNAV DA	1229-1 3/8		522 (500-1 3/8)			
LNAV MDA	1320/40	613 (600-3/4)	1320-1 3/8		613 (600-1 3/8)	
C CIRCLING	1380-1	632 (700-1)	1500-2 1/4		752 (800-2 1/4)	1500-2 1/2
			752 (800-2 1/2)		752 (800-2 1/2)	

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

WAAS CH 56515 W36A	APP CRS 003°	Rwy Idg TDZE Apt Elev	9000 744 748
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RNAV (GPS) Y RWY 36L

CHARLOTTE/DOUGLAS INTL (CLT)

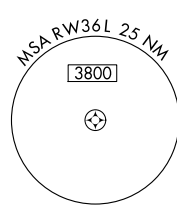
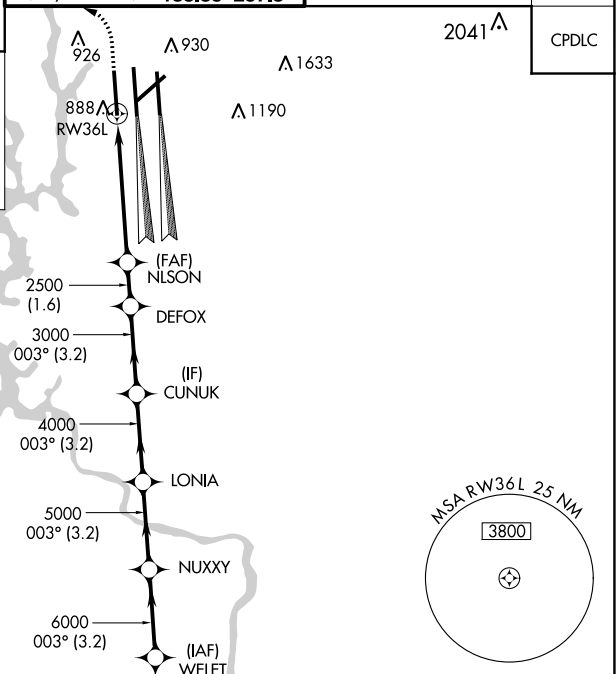
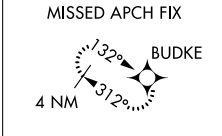
RADAR required for procedure entry. RNP APCH.

⚠ Circling NA at night. Simultaneous approach authorized. LNAV procedure NA during simultaneous operations. Use of FD or AP required during simultaneous operations. For inop ALS, increase LNAV/VNAV all Cats visibility to RVR 4500 and increase LNAV Cats C/D visibility to RVR 6000. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -10°C or above 54°C.

ALS-F2

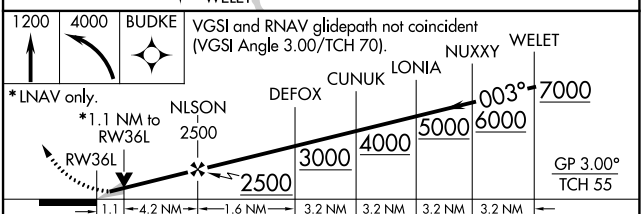
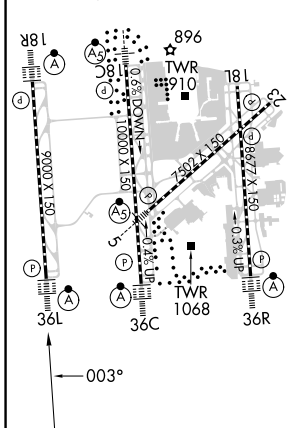
MISSED APPROACH: Climb to 1200 then climbing left turn to 4000 direct BUDKE and hold.

D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GND CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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ELEV 748	D	TDZE 744
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HIRL all Rwys
REIL Rwys 18L and 23
TDZ/CL Rwys 18R, 36L, 36C and 36R



CATEGORY	A	B	C	D
LPV DA	944/18		200 (200-½)	
LNAV/VNAV DA	1049/24		305 (400-½)	
LNAV MDA	1140/24	396 (400-½)	1140/35	396 (400-¾)
C CIRCLING	1380-1	632 (700-1)	1500-2¼ 752 (800-2¼)	1500-2½ 752 (800-2½)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

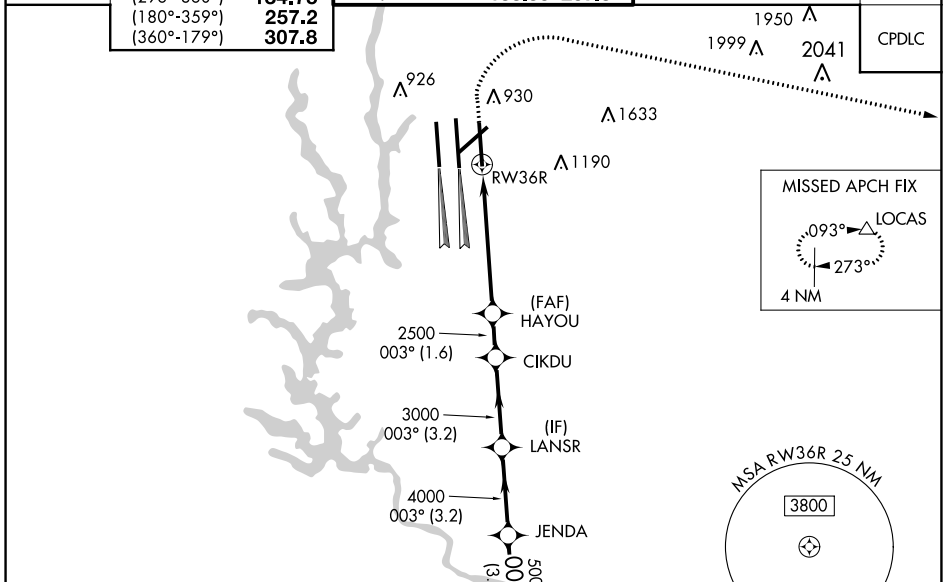
WAAS CH 90100 W36D	APP CRS 003°	Rwy Idg TDZE 727 Apt Elev 748
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RNAV (GPS) Y RWY 36R

CHARLOTTE/DOUGLAS INTL (CLT)

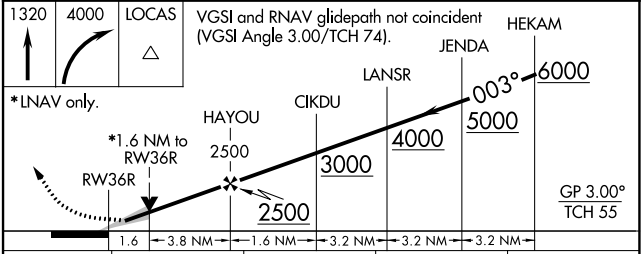
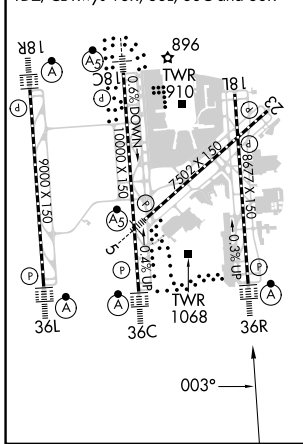
RNP APCH.	<p>⚠ Circling NA at night. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -11°C or above 54°C. Simultaneous approach authorized. Use of FD or AP required during simultaneous operations. LNAV procedure NA during simultaneous operations. For inop ALSF, increase LNAV/VNAV all Cats visibility to 1/2 mile.</p>	<p>ALSF-2 ⚠</p>	<p>MISSED APPROACH: Climb to 1320 then climbing right turn to 4000 direct LOCAS and hold.</p>
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D-ATIS ARR 121.15 DEP 132.1	CHARLOTTE APP CON (001°-119°) 128.32 (120°-295°) 120.05 (296°-360°) 134.75 (180°-359°) 257.2 (360°-179°) 307.8	CHARLOTTE TOWER (Rwys 18L-36R) 118.1 257.8 (Rwy 18C-36C) 126.4 257.8 (Rwy 18R-36L) 133.35 257.8	GN D CON 121.8 348.6 (WEST) 121.9 348.6 (EAST)	CLNC DEL 127.15 348.6
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ELEV 748	D	TDZE 727
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HIRL all Rws
REIL Rws 18L and 23
TDZ/CL Rws 18R, 36L, 36C and 36R



CATEGORY	A	B	C	D
LPV DA	927/18		200 (200-1/2)	
LNAV/VNAV DA	1229-1 1/4		502 (500-1 1/4)	
LNAV MDA	1320/24	593 (600-1/2)	1320-1 1/4	593 (600-1 1/4)
C CIRCLING	1380-1	632 (700-1)	1500-2 1/4 752 (800-2 1/4)	1500-2 1/2 752 (800-2 1/2)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024



INSTRUMENT APPROACH PROCEDURE CHARTS



IFR ALTERNATE AIRPORT MINIMUMS

Pilots must review the IFR Alternate Minimums Notes to determine alternate airport suitability.

ANA designation on the approach chart means that pilots may not use that approach as an alternate due to unmonitored facility, absence of weather reporting service, or lack of adequate navigation coverage. Approaches with the **A**NA designation are not listed in this section. **A** designation on the approach chart indicates that the approach procedure has non-standard minimums (for aircraft other than helicopters) or restrictions (for all users) for its use as an alternate.

Alternate Minima (ref: 14 CFR 91.169)

	Precision Approach	Non-Precision Approach
Standard	600-2	800-2
A Non-Standard or restrictions	As indicated below	As indicated below
Helicopters	For the selected approach: Ceiling: 200' above published ceiling Visibility: the greater of 1 SM visibility or the published visibility	
US Military (USA/USN/USAF)	See Service Regulations	

Note: For alternate airport flight planning purposes, precision approach operations include: ILS, PAR, and GLS, and Non-Precision approach operations include: NDB, VOR, LOC, TACAN, LDA, SDF, ASR, RNAV (GPS) and RNAV (RNP).

NAME ALTERNATE MINIMUMS

AHOSKIE, NC

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

ALBEMARLE, NC

STANLY
COUNTY (VUJ).....ILS or LOC Rwy 22L¹²
NDB Rwy 22L³
RNAV (GPS) Rwy 4R³
RNAV (GPS) Rwy 22L³

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

ALLENDALE, SC

ALLENDALE
COUNTY (AQX).....RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 35
VOR-A

NA when local weather not available.

NAME ALTERNATE MINIMUMS

ANDERSON, SC

ANDERSON
RGNL (AND).....ILS or LOC Rwy 5¹
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 17²
RNAV (GPS) Rwy 23²
RNAV (GPS) Rwy 35²
VOR Rwy 5

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

ASHEBORO, NC

ASHEBORO
RGNL (HBI).....RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21¹

Categories C, D, 1100-3.
¹NA when local weather not available.



NAME ALTERNATE MINIMUMS

ASHEVILLE, NC

ASHEVILLE
 RGNL (AVL).....ILS or LOC Rwy 17¹²
 ILS or LOC Rwy 35³⁴
 RNAV (GPS) Rwy 17⁵
 RNAV (GPS) Rwy 35⁵

¹NA when local weather not available.
²LOC, Category C, 1400-3; Category D, 1600-3.
³NA when control tower closed.
⁴ILS, Categories A, B, C, D, 900-4;
 LOC, Categories A, B, 1100-2;
 Category C, 1300-3; Category D, 1600-3.
⁵Category C, 1300-3; Category D, 1600-3.

BEAUFORT, NC

MICHAEL J
 SMITH FLD (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
 EXEC (ARW).....RNAV (GPS) Rwy 7
 RNAV (GPS) Rwy 25

NA when local weather not available.

BENNETTSVILLE, SC

MARLBORO COUNTY JETPORT -
 H E AVENT FLD (BBP).....RNAV (GPS) Rwy 7
 RNAV (GPS) Rwy 25

NA when local weather not available.

BURLINGTON, NC

BURLINGTON/ALAMANCE
 RGNL (BUY).....RNAV (GPS) Rwy 6¹
 RNAV (GPS) Rwy 21¹
 VOR/DME-A

NA when local weather not available.
¹Category C, 1000-2¼; Category D, 1000-3.

CHARLESTON, SC

CHARLESTON
 AFB/INTL (CHS).....ILS or LOC Rwy 15¹
 ILS or LOC Rwy 33¹
 RNAV (GPS) Y Rwy 3²
 RNAV (GPS) Y Rwy 15²
 RNAV (GPS) Y Rwy 21²
 RNAV (GPS) Y Rwy 33²
 VOR or TACAN Rwy 15²
 VOR/DME or TACAN Rwy 3³
 VOR/DME or TACAN Rwy 21³
 VOR/DME or TACAN Rwy 33²

¹LOC, Category D, 800-2¼; Category E, 800-2½.
²Category D, 800-2¼.
³Category D, 800-2¼; Category E, 800-2½.

NAME ALTERNATE MINIMUMS

CHARLESTON, SC (CON'T)

CHARLESTON
 EXEC (JZI).....ILS or LOC Rwy 9¹
 RNAV (GPS) Rwy 4²
 RNAV (GPS) Rwy 9²
 RNAV (GPS) Rwy 27²

NA when local weather not available.
¹LOC, Category C, 900-2½; Category D, 900-2¾.
²Category C, 900-2½; Category D, 900-2¾.

CHARLOTTE, NC

CHARLOTTE/DOUGLAS
 INTL (CLT).....ILS or LOC Rwy 18C¹
 ILS or LOC Rwy 18L¹
 ILS or LOC Rwy 18R¹
 ILS or LOC Rwy 36C¹
 ILS or LOC Rwy 36L²
 ILS or LOC Rwy 36R²
 RNAV (GPS) Y Rwy 18C³
 RNAV (GPS) Y Rwy 18L³
 RNAV (GPS) Y Rwy 18R³
 RNAV (GPS) Y Rwy 36C⁴
 RNAV (GPS) Y Rwy 36L³
 RNAV (GPS) Y Rwy 36R³

¹LOC, Category C, 800-2¼; Category D, 800-2½.
²ILS, LOC, Category C, 800-2¼;
 Category D, 800-2½.
³Category C, 800-2¼; Category D, 800-2½.
⁴Category D, 800-2½.

CHERAW, SC

CHERAW MUNI/LYNCH BELLINGER
 FLD (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
 RNAV (GPS) Rwy 17
 RNAV (GPS) Rwy 35

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

CLEMSON, SC

OCONEE COUNTY
 RGNL (CEU).....RNAV (GPS) Rwy 7
 RNAV (GPS) Rwy 25

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

CLINTON, NC

CLINTON-SAMPSON
 COUNTY (CTZ).....RNAV (GPS) Rwy 6¹
 RNAV (GPS) Y Rwy 24¹
 RNAV (GPS) Z Rwy 24¹
 VOR/DME-A¹

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

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

NAME ALTERNATE MINIMUMS

COLUMBIA, SC

COLUMBIA
METRO (CAE).....ILS or LOC Rwy 5¹
ILS or LOC Rwy 11¹
ILS or LOC Rwy 29¹
RNAV (GPS) Rwy 5²
RNAV (GPS) Rwy 11²
RNAV (GPS) Rwy 23²
RNAV (GPS) Rwy 29²
VOR-A²

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

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

CONCORD, NC

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

CONWAY, SC

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

CURRITUCK, NC

CURRITUCK COUNTY
RGNL (ONX).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
NA when local weather not available.
Category D, 800-2½.

DARLINGTON, SC

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

EDENTON, NC

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

ELIZABETH CITY, NC

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

¹NA when local weather not available.

²NA when control tower closed.

³NA when local altimeter not available.

NAME ALTERNATE MINIMUMS

ELIZABETHTOWN, NC

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

NA when local weather not available.
Category C, 800-2¼; Category D, 800-2½.

ENGELHARD, NC

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

ERWIN, NC

HARNETT RGNL
JETPORT (HRJ).....LOC Rwy 5
NDB Rwy 23
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

NA when local weather not available.

FAYETTEVILLE, NC

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

¹LOC, Category D, 800-2¼.

²Category D, 800-2¼.

FLORENCE, SC

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

NA when local weather not available.

¹NA when control tower closed.

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

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

FRANKLIN, NC

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

GASTONIA, NC

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

¹Category C, 800-2¼.

²NA when local weather not available.

NAME ALTERNATE MINIMUMS

GEORGETOWN, SC

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

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

GOLDSBORO, NC

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

NA when local weather not available.

GREENSBORO, NC

PIEDMONT TRIAD
 INTL (GSO).....ILS or LOC Rwy 5L¹
 ILS or LOC Rwy 5R¹
 ILS or LOC Rwy 23L¹²
 ILS or LOC Rwy 23R¹
 ILS Y or LOC Y Rwy 32¹
 ILS Z or LOC Z Rwy 32¹
 RNAV (GPS) Rwy 5L²³
 RNAV (GPS) Rwy 5R³
 RNAV (GPS) Rwy 14²³
 RNAV (GPS) Rwy 23L³
 RNAV (GPS) Rwy 23R²³
 RNAV (GPS) Rwy 32²³
 VOR/DME Rwy 23L³

¹LOC, Category C, 800-2¼; Category D, 800-2½.
²NA when local weather not available.
³Category C, 800-2¼; Category D, 800-2½.

GREENVILLE, NC

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

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

GREENVILLE, SC

DONALDSON
 FLD (GYH).....ILS or LOC Rwy 5¹
 RNAV (GPS) Rwy 5
 RNAV (GPS) Rwy 23

NA when local weather not available.
¹LOC, Category E, 800-2¼.

NAME ALTERNATE MINIMUMS

GREENVILLE, SC (CON'T)

GREENVILLE
 DOWNTOWN (GMU).....ILS or LOC Rwy 1¹²³
 RNAV (GPS) Rwy 1³⁴
 RNAV (GPS) Rwy 10³⁵
 RNAV (GPS) Rwy 19³⁵
 RNAV (GPS) Rwy 28³⁵

¹NA when tower closed.
²LOC, Category D, 900-2¾.
³NA when local weather not available.
⁴Category C, 900-2¼.
⁵Category D, 900-2¾.

GREENWOOD, SC

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

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

GREER, SC

GREENVILLE SPARTANBURG
 INTL (GSP).....ILS or LOC Rwy 4¹²
 ILS or LOC Rwy 22¹²
 RNAV (GPS) Rwy 4³
 RNAV (GPS) Rwy 22³

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

HICKORY, NC

HICKORY RGNL (HKY).....ILS or LOC Rwy 24¹²
 RNAV (GPS) Rwy 6³
 RNAV (GPS) Rwy 24³
 VOR/DME Rwy 24³

NA when local weather not available.
¹NA when control tower closed.
²LOC, Category C, 900-2½; Category D, 900-2¼.
³Category C, 900-2½; Category D, 900-2¼.

HILTON HEAD ISLAND, SC

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

JACKSONVILLE, NC

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

NA when local weather not available.

NAME ALTERNATE MINIMUMS

JEFFERSON, NC

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

NA when local weather not available.
¹Categories A, B, 1200-2; Category C, 2000-3;
Category D, 2100-3.
²Categories A, B, 1500-4; Category C, 2000-4;
Category D, 2100-4.

KENANSVILLE, NC

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

Category D, 900-2½.

KILL DEVIL HILLS, NC

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

NA when local weather not available

KINGSTREE, SC

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

NA when local weather not available.
Category C, 900-2¾; Category D, 900-3.

KINSTON, NC

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

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

LANCASTER, SC

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

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

LEXINGTON, NC

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

NA when local weather not available.

LINCOLNTON, NC

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

¹NA when local weather not available.
²ILS, LOC, Category C, 800-2¼;
Category D, 800-2½.
³NA when FBO closed.
⁴Category C, 800-2¼; Category D, 800-2½.
⁵LOC, Category C, 800-2¼; Category D, 800-2½.

NAME ALTERNATE MINIMUMS

LOUISBURG, NC

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

NA when local weather not available.
¹Categories A, B, 900-2; Category C, 900-2¾;
Category D, 900-3.

LUMBERTON, NC

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

NA when local weather not available.

MANTEO, NC

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

NA when local weather not available.

MARION, SC

MARION
COUNTY (MAO).....**RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 22
VOR/DME-A

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

MAXTON, NC

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

¹LOC, Category D, 900-2½.
²Category D, 900-2½.
³NA when local weather not available.

MONCK'S CORNER, SC

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

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

MONROE, NC

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

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

MORGANTON, NC

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

NA when local weather not available.
¹Category D, 900-2¾.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

NAME ALTERNATE MINIMUMS

MOUNT AIRY, NC

MOUNT AIRY/SURRY

COUNTY (MWK).....RNAV (GPS) Rwy 18¹
RNAV (GPS) Rwy 36Category C, 1000-2 $\frac{1}{4}$; Category D, 1100-3.¹NA when local weather not available.**MOUNT OLIVE, NC**

MOUNT OLIVE

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

NA when local weather not available.

MOUNT PLEASANT, SC

MT PLEASANT RGNL-FAISON

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

NA when local weather not available.

MYRTLE BEACH, SC

MYRTLE BEACH

INTL (MYR).....ILS or LOC Rwy 18¹²
ILS or LOC Rwy 36¹²
RNAV (GPS) Rwy 18³
RNAV (GPS) Rwy 36³
RNAV (GPS)-A³
VOR-A⁴¹LOC, Category D, 800-2 $\frac{1}{4}$; Category E, 800-2 $\frac{1}{2}$.²NA when control tower closed.³Category D, 800-2 $\frac{1}{4}$; Category E, 800-2 $\frac{1}{2}$.⁴Category D, 800-2 $\frac{1}{4}$.**NEW BERN, NC**

COASTAL CAROLINA

RGNL (EWN).....ILS or LOC Rwy 4¹²
RNAV (GPS) Rwy 4¹³
RNAV (GPS) Rwy 22³
VOR Rwy 22³¹NA when local weather not available.²LOC, Category D, 900-2 $\frac{3}{4}$.³Category D, 900-2 $\frac{3}{4}$.**NEWBERRY, SC**NEWBERRY COUNTY (EOE).....NDB Rwy 22¹RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22

NA when local weather not available.

¹NA when airport closed.

NAME ALTERNATE MINIMUMS

NORTH MYRTLE BEACH, SC

GRAND STRAND

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

NA when local weather not available.

¹LOC, Category D, 800-2 $\frac{1}{4}$.²Category D, 800-2 $\frac{1}{4}$.³Categories A, B, 900-2; Category C, 900-2 $\frac{1}{2}$;Category D, 900-2 $\frac{1}{4}$.**NORTH WILKESBORO, NC**

WILKES

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

NA when local weather not available.

¹LOC, Category D, 1000-3.²Category D, 1000-3.**CAPE ISLAND, NC**

CAPE FEAR RGNL JETPORT/HOWIE

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

NA when local weather not available.

ORANGEBURG, SC

ORANGEBURG

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

NA when local weather not available.

¹Category C, 800-2 $\frac{1}{4}$; Category D, 800-2 $\frac{1}{2}$.²Category C, 900-2 $\frac{1}{2}$; Category D, 900-2 $\frac{3}{4}$.**OXFORD, NC**

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

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

NA when local weather not available.

Category D, 800-2 $\frac{1}{2}$.**PINEHURST/SOUTHERN PINES, NC**

MOORE

COUNTY (SOP).....ILS Y or LOC Y Rwy 5¹
ILS Z or LOC Z Rwy 5¹
RNAV (GPS) Rwy 5²³
RNAV (GPS) Rwy 23²³¹LOC, Category D, 1000-3.²Category D, 1000-3.³NA when local weather not available.

NAME ALTERNATE MINIMUMS

RALEIGH/DURHAM, NC

RALEIGH-DURHAM
INTL (RDU).....**ILS or LOC Rwy 5L¹**
ILS or LOC Rwy 5R¹
ILS or LOC Rwy 23L¹
ILS or LOC Rwy 23R¹
RNAV (GPS) Y Rwy 5L²
RNAV (GPS) Y Rwy 5R²
RNAV (GPS) Y Rwy 23L²
RNAV (GPS) Y Rwy 23R²

¹LOC, Category D, 800-2½.
²Category 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.
Category D, 800-2½.

ROANOKE RAPIDS, NC

HALIFAX/NORTHAMPTON
RGNL (IXA).....**RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20¹
VOR Rwy 2

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

ROCK HILL, SC

ROCK HILL/YORK COUNTY/
BRYANT FLD (UZA).....**RNAV (GPS) Rwy 2**
RNAV (GPS) Rwy 20

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

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 Rwy 22

NA when local weather not available.

ROXBORO, NC

RALEIGH RGNL AT PERSON
COUNTY (TDF).....**RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 24

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

RUTHERFORDTON, NC

RUTHERFORD COUNTY/MARCHMAN
FLD (FQD).....**RNAV (GPS) Rwy 1**

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

NAME ALTERNATE MINIMUMS

SALISBURY, NC

MID-CAROLINA
RGNL (RUQ).....**RNAV (GPS) Rwy 20**
NA when local weather not available.

SANFORD, NC

RALEIGH EXEC JETPORT AT SANFORD-
LEE COUNTY (TTA).....**RNAV (GPS) Rwy 3**
RNAV (GPS) Rwy 21

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

SHELBY, NC

SHELBY-CLEVELAND
COUNTY RGNL (EHO).....**NDB Rwy 23¹**
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23

NA when local weather not available.
¹Category C, 800-2¼; Category D, 800-2½.

SILER CITY, NC

SILER CITY
MUNI (SCR).....**RNAV (GPS) Rwy 4**
RNAV (GPS) Rwy 22

NA when local weather not available.

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 MEML/SIMPSON
FLD (SPA).....**ILS or LOC Rwy 5**
RNAV (GPS) Rwy 5

NA when local weather not available.

STATESVILLE, NC

STATESVILLE
RGNL (SVH).....**ILS Y or LOC Y Rwy 28¹**
ILS Z or LOC Z Rwy 28¹
RNAV (GPS) Rwy 10
RNAV (GPS) Rwy 28

NA when local weather not available.
¹NA when FBO closed.

SUMMERVILLE, SC

SUMMERVILLE (DYB).....**RNAV (GPS) Rwy 6¹**
RNAV (GPS) Rwy 24¹²

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

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

NAME ALTERNATE MINIMUMS

SUMTER, SC

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

NA when local weather not available.
¹LOC, Category C, 800-2½; Category D, 800-2½.
²Category C, 900-2½; Category D, 900-2½.

SYLVA, NC

JACKSON
COUNTY (24A).....RNAV (GPS) Rwy 33
NA when local weather not available.
Category A, 1600-2; Category B, 1700-2.

WADESBORO, NC

ANSON COUNTY/JEFF CLOUD
FLD (AFP).....ILS or LOC Rwy 34¹
RNAV (GPS) Rwy 16
RNAV (GPS) Rwy 34²

NA when local weather not available.
¹ILS, Category C, 700-1½; Category D, 700-2¼.
LOC, Category D, 800-2¼.
²Category C, 800-2¼; Category D, 800-2½.

WALTERBORO, SC

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

NA when local weather not available.

WASHINGTON, NC

WASHINGTON-
WARREN (OCW).....RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 35

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

WHITEVILLE, NC

COLUMBUS COUNTY
MUNI (CPC).....NDB Rwy 6
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24

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

WILLIAMSTON, NC

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

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

NAME ALTERNATE MINIMUMS

WILMINGTON, NC

WILMINGTON
INTL (ILM).....ILS Y or LOC Rwy 6¹
ILS Y or LOC Rwy 24¹
ILS Y or LOC Rwy 35²
RNAV (GPS) Rwy 6³
RNAV (GPS) Rwy 17³
RNAV (GPS) Rwy 24³
RNAV (GPS) Rwy 35³
TACAN-A³

¹ILS, Category C, 700-2; Category D, 900-3; LOC, Category D, 900-3.
²LOC, Category D, 900-3.
³Category D, 900-3.

WINNSBORO, SC

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

Category D, 800-2½.

WINSTON SALEM, NC

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

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

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

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. An entry may also be listed that contains only Takeoff Obstacle Notes. 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) For aircraft, other than helicopters, having two engines or less – one statute mile visibility. (2) For aircraft having more than two engines – one-half statute mile visibility. (3) For helicopters – one-half statute mile visibility. 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.

AHOSKIE, NC

TRI-COUNTY AT HENRY JOYNER FLD (ASJ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 05MAY11 (22195) (FAA)

TAKEOFF OBSTACLE NOTES:

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.

AIKEN, SC

AIKEN RGNL (AIK)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 29MAR18 (18088) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, 200-1¼ 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 1400 feet prior to DER.

DEPARTURE PROCEDURE:

Rwy 19, climb heading 186° to 1100 before turning west.

TAKEOFF OBSTACLE NOTES:

Rwy 1, terrain 74' from DER, 9' left of centerline, 496' MSL.

Trees beginning 169' from DER, 35' left of centerline, up to 100' AGL/659' MSL.

Tree 6023' from DER, 1609' left of centerline, up to 100' AGL/649' MSL.

Terrain beginning 75' from DER, 246' right of centerline up to 496' MSL.

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.

Trees beginning 1230' from DER, 550' right of centerline, up to 100' AGL/609' MSL.

Trees beginning 1601' from DER, 731' left of centerline, up to 56' AGL/563' MSL.

Rwy 19, trees beginning abeam DER, 110' right of centerline, up to 100' AGL/629' MSL.

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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

ALBEMARLE, NC

STANLY COUNTY (VUJ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 18MAY23 (23138) (FAA)

TAKEOFF MINIMUMS:

Rwys 4L, 22R, NA-VFR runway.

Rwy 4R, 300-1 $\frac{1}{4}$ or std. w/min. climb of 315' per NM to 1000.

TAKEOFF OBSTACLE NOTES:

Rwy 4R, light poles 10' from DER, 29' right of centerline, 1' AGL/578' MSL.

Trees beginning 441' from DER, 263' left of centerline, up to 19' AGL/594' MSL.

Vehicle on road 1162' from DER, 798' left of centerline, 15' AGL/619' MSL.

Tree 1252' from DER, 826' right of centerline, 622' MSL.

Vehicle on road 1323' from DER, 738' left of centerline, up to 617' MSL.

Vehicle on road 1495' from DER, 674' left of centerline, 15' AGL/626' MSL.

Tree 1542' from DER, 836' right of centerline, 630' MSL.

Vehicle on road beginning 1569' from DER, 627' left of centerline, 15' AGL/626' MSL.

Trees beginning 1666' from DER, 789' right of centerline, up to 633' MSL.

Vehicle on road beginning 1676' from DER, 596' left of centerline, 15' AGL/622' MSL.

Trees beginning 1797' from DER, 815' right of centerline, up to 641' MSL.

Tree 1863' from DER, 981' right of centerline, 642' MSL.

Tree 2699' from DER, 1121' right of centerline, 657' MSL.

Trees beginning 2778' from DER, 1105' right of centerline, up to 674' MSL.

Tree 2779' from DER, 1177' left of centerline, 657' MSL.

Tree, terrain beginning 3181' from DER, 1086' left of centerline, up to 16' AGL/665' MSL.

Trees beginning 3301' from DER, 892' right of centerline, up to 679' MSL.

Tree 3394' from DER, 983' left of centerline, 38' AGL/671' MSL.

Trees beginning 3408' from DER, 839' left of centerline, up to 688' MSL.

Tree 3446' from DER, 1372' right of centerline, 682' MSL.

Trees beginning 3446' from DER, on centerline, up to 95' AGL/685' MSL.

Trees beginning 3583' from DER, 655' left of centerline, up to 695' MSL.

Trees beginning 3736' from DER, 1054' left of centerline, up to 704' MSL.

Trees beginning 3888' from DER, 1126' left of centerline, up to 69' AGL/705' MSL.

Trees beginning 3917' from DER, 1095' left of centerline, up to 721' MSL.

Trees beginning 3981' from DER, 34' left of centerline, up to 732' MSL.

Trees beginning 4139' from DER, 360' right of centerline, up to 93' AGL/701' MSL.

Tree 5835' from DER, 2003' left of centerline, 743' MSL.

Tree 1 NM from DER, 2135' left of centerline, 794' MSL.

Trees beginning 1 NM from DER, 2063' left of centerline, up to 803' MSL.

Pole, trees beginning 1 NM from DER, 1763' left of centerline, up to 80' AGL/804' MSL.

Trees beginning 1.1 NM from DER, 1910' left of centerline, up to 808' MSL.

Trees beginning 1.2 NM from DER, 1809' left of centerline, up to 820' MSL.

Tree 1.3 NM from DER, 2379' left of centerline, 790' MSL.

Rwy 22L, tree 10' from DER, 471' right of centerline, 614' MSL.

Trees, vehicles on road beginning 155' from DER, 404' right of centerline, up to 47' AGL/647' MSL.

Trees beginning 557' from DER, 97' right of centerline, up to 93' AGL/684' MSL.

Tree 1007' from DER, 755' left of centerline, 643' MSL.

Trees beginning 1551' from DER, 801' left of centerline, up to 659' MSL.

Trees beginning 1742' from DER, 944' left of centerline, up to 660' MSL.

Tree 1931' from DER, 860' left of centerline, 669' MSL.

Trees beginning 2363' from DER, 50' right of centerline, up to 102' AGL/690' MSL.

ALLENDALE, SC

ALLENDALE COUNTY (AQX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 17OCT13 (13290) (FAA)

TAKEOFF OBSTACLE NOTES:

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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

ANDERSON, SC

ANDERSON RGNL (AND)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 18JAN07 (07018) (FAA)

TAKEOFF OBSTACLE NOTES:

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

AMD T 2 10AUG23 (23222) (FAA)

TAKEOFF MINIMUMS:

Rwys 8, 26, maximum 180K 3900-3, maximum 210K 4000-3, maximum 250K 4200-3 for VCOA.

VCOA:

All runways, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Western Carolina Rgnl airport at or above 5700 before proceeding on course.

NOTE: VCOA NA at night.

ANDREWS, SC

ROBERT F. SWINE (PHH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 03OCT02 (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.

TAKEOFF OBSTACLE NOTES:

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

AMD T 2 28NOV02 (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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

ASHEVILLE, NC

ASHEVILLE RGNL (AVL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 05NOV20 (20310) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, std. w/min. climb of 250' per NM to 4500 or 3600-3 for VCOA.**Rwy 35**, std. w/min. climb of 390' per NM to 5500 or 3600-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 17, climb heading 167° to 4500 before proceeding on course.**Rwy 35**, climb heading 347° to 5500 before proceeding on course.

VCOA:

Rwys 17, 35, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Asheville Regional airport at or above 5600 before proceeding on course.

NOTE, VCOA NA at night.

TAKEOFF OBSTACLE NOTES:

Rwy 17, lighting 1' from DER, 74' left of centerline, 2111' MSL.

Vehicle on road 141' from DER, 294' left of centerline, 2122' MSL.

Rwy 35, trees beginning 544' from DER, 539' left of centerline, up to 2194' MSL.

Trees beginning 954' from DER, 612' left of centerline, up to 2200' MSL.

Trees, antenna beginning 1199' from DER, 641' left of centerline, up to 2203' MSL.

BAMBERG, SC

BAMBERG COUNTY (99N)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 11AUG22 (22223) (FAA)

TAKEOFF MINIMUMS:

Rwy 5, 500-2½ or std. w/min. climb of 268' per NM to 800.

TAKEOFF OBSTACLE NOTES:

Rwy 5, trees beginning 50' from DER, 167' right of centerline, up to 100' AGL/327' MSL.

Trees beginning 94' from DER, 16' left of centerline, up to 100' AGL/327' MSL.

Trees beginning 445' from DER, 142' right of centerline, up to 100' AGL/330' MSL.

Trees beginning 489' from DER, 41' left of centerline, up to 100' AGL/330' MSL.

Trees beginning 1016' from DER, 17' right of centerline, up to 100' AGL/333' MSL.

Trees beginning 2069' from DER, 7' left of centerline, up to 100' AGL/333' MSL.

Power lines 2527' from DER, crossing centerline, up to 100' AGL/319' MSL.

Tower 1.9 NM from DER, 2682' right of centerline, 386' AGL/633' MSL.

Rwy 23, trees beginning 35' from DER, 14' left of centerline, up to 100' AGL/310' MSL.

Tree 211' from DER, 160' right of centerline, 100' AGL/310' MSL.

Trees beginning 387' from DER, 10' right of centerline, up to 100' AGL/314' MSL.

BARNWELL, SC

BARNWELL RGNL (BNL)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 02AUG07 (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.

TAKEOFF OBSTACLE NOTES:

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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

BEAUFORT, NC

MICHAEL J SMITH FLD (MRH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 02MAY13 (22167) (FAA)

TAKEOFF MINIMUMS:

Rwy 21, 300-1 or std. w/min. climb of 740' per NM to 300.

TAKEOFF OBSTACLE NOTES:

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 EXEC (ARW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 10JUL03 (22195) (FAA)

DEPARTURE PROCEDURE:

Rwy 7, climb runway heading to 1700 before turning right.

Rwy 25, climb runway heading to 300 before turning right.

TAKEOFF OBSTACLE NOTES:

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.

BEAUFORT MCAS (MERRITT FLD) (KNBC)

BEAUFORT, SC

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10SEP20 (20254)

TAKEOFF OBSTACLE NOTES:

Rwy 5, parked aircraft 1485' from DER, 679' left of cntrn, 38' AGL/51' MSL.

Rwy 14, bldg 1099' from DER, 842' right of cntrn, 13' AGL/25' MSL.

Rwy 23, pylon 3113' from DER, 1195' right of cntrn, 69' AGL/122' MSL.

Pylon 3370' from DER, 1050' right of cntrn, 69' AGL/114' MSL.

Pylon 4398' from DER, 1255' left of cntrn, 69' AGL/129' MSL.

Pylon 3514' from DER, 774' right of cntrn, 69' AGL/130' MSL.

Rwy 32, pylon 3700' from DER, 1455' left of cntrn, 69' AGL/121' MSL.

Pylon 3934' from DER, 1356' left of cntrn, 69' AGL/120' MSL.

Pylon 4209' from DER, 1230' left of cntrn, 69' AGL/124' MSL.

Pylon 5017' from DER, 607' left of cntrn, 69' AGL/122' MSL.

BENNETTSVILLE, SC

MARLBORO COUNTY JETPORT-H E AVENT FLD (BBP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 29JUL10 (22195) (FAA)

TAKEOFF OBSTACLE NOTES:

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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

BURLINGTON, NC

BURLINGTON/ALAMANCE RGNL (BUY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 06FEB14 (21336) (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.

TAKEOFF OBSTACLE NOTES:

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 FLD (CDN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 25OCT07 (21140) (FAA)

TAKEOFF MINIMUMS:

Rwy 6, 200-1¼ or std. w/min. climb of 362' per NM to 700.

TAKEOFF OBSTACLE NOTES:

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.

CHARLESTON, SC

CHARLESTON AFB/INTL (CHS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 7 25AUG11 (11237) (FAA)

TAKEOFF OBSTACLE NOTES:

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 EXEC (JZI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 07JAN16 (21168) (FAA)

DEPARTURE PROCEDURE:

Rwy 22, climb heading 217° to 600 before turning right.

TAKEOFF OBSTACLE NOTES:

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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

CHARLOTTE, NC**CHARLOTTE/DOUGLAS INTL (CLT)****TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

AMDT 8 03NOV22 (22307) (FAA)

DEPARTURE PROCEDURE:**Rwy 5**, climb on heading 055° to 1700 before turning right.**Rwy 18C**, climb on heading 183° to 1200 before turning left.**Rwy 23**, climb on heading 235° to 1200 before turning left.**Rwy 36C**, climb on heading 003° to 1400 before turning left.**Rwy 36L**, climb on heading 003° to 1800 before turning left.**TAKEOFF OBSTACLE NOTES:****Rwy 5**, tree 811' from DER, 677' right of centerline, 768' MSL.

Tree 1031' from DER, 665' left of centerline, 773' MSL.

Tree 1050' from DER, 755' left of centerline, 787' MSL.

Tree 1894' from DER, 855' left of centerline, 799' MSL.

Trees beginning 2089' from DER, 877' left of centerline, up to 821' MSL.

Trees beginning 2437' from DER, 972' left of centerline, up to 822' MSL.

Tree 2582' from DER, 1057' left of centerline, 843' MSL.

Trees beginning 2608' from DER, 1107' left of centerline, up to 848' MSL.

Rwy 18C, lighting 11' from DER, 85' left of centerline, 4' AGL/695' MSL.

Tree 556' from DER, 564' left of centerline, 711' MSL.

Tree 1059' from DER, 761' right of centerline, 729' MSL.

Trees beginning 1184' from DER, 609' left of centerline, up to 746' MSL.

Tree 1478' from DER, 828' right of centerline, 736' MSL.

Trees beginning 1478' from DER, 517' left of centerline, up to 757' MSL.

Tree 1721' from DER, 862' right of centerline, 748' MSL.

Tree 1811' from DER, 967' right of centerline, 751' MSL.

Tree 2035' from DER, 1025' left of centerline, 764' MSL.

Trees beginning 2058' from DER, 381' left of centerline, up to 771' MSL.

Trees beginning 2361' from DER, 732' right of centerline, up to 755' MSL.

Tree 2389' from DER, 612' right of centerline, 759' MSL.

Tree 2723' from DER, 971' left of centerline, 773' MSL.

Tree 2779' from DER, 861' right of centerline, 762' MSL.

Trees beginning 3246' from DER, 793' right of centerline, up to 792' MSL.

Trees beginning 3498' from DER, 1014' left of centerline, up to 791' MSL.

Tree 4181' from DER, 1430' right of centerline, 797' MSL.

Tree 4226' from DER, 1528' right of centerline, 798' MSL.

Tree 4249' from DER, 1038' right of centerline, 805' MSL.

Trees beginning 5354' from DER, 1792' right of centerline, up to 831' MSL.

Tree 5581' from DER, 1599' right of centerline, 837' MSL.

Tree 5749' from DER, 1490' right of centerline, 838' MSL.

Trees beginning 5851' from DER, 1412' right of centerline, up to 100' AGL/841' MSL.

Rwy 18L, lighting 9' from DER, 1' left of centerline, 3' AGL/726' MSL.

Pole 980' from DER, 709' left of centerline, 64' AGL/763' MSL.

Tower 980' from DER, 709' left of centerline, 765' MSL.

Trees beginning 1057' from DER, 689' right of centerline, up to 759' MSL.

Tree 1234' from DER, 795' right of centerline, 767' MSL.

Trees beginning 1457' from DER, 703' right of centerline, up to 777' MSL.

Tree 2248' from DER, 815' right of centerline, 783' MSL.

Tree 2844' from DER, 1171' right of centerline, 796' MSL.

Tower 4408' from DER, 1505' left of centerline, 160' AGL/849' MSL.

Rwy 18R, lighting 10' from DER, 4' left of centerline, 3' AGL/746' MSL.

Terrain 145' from DER, 521' left of centerline, 748' MSL.

Rwy 23, lighting 1' from DER, 0' of centerline, 706' MSL.

Tree 1270' from DER, 773' right of centerline, 742' MSL.

Tree 1310' from DER, 772' right of centerline, 753' MSL.

Tree 1477' from DER, 703' right of centerline, 757' MSL.

Trees beginning 1573' from DER, 655' right of centerline, up to 758' MSL.

Trees beginning 1728' from DER, 542' right of centerline, up to 762' MSL.

Trees beginning 1814' from DER, 598' right of centerline, up to 775' MSL.

Tree 1844' from DER, 806' right of centerline, 776' MSL.

Trees beginning 1944' from DER, 698' right of centerline, up to 792' MSL.

Trees beginning 2242' from DER, 621' right of centerline, up to 811' MSL.

Tree 3744' from DER, 503' left of centerline, 102' AGL/802' MSL.

Rwy 36C, lighting 5' from DER, 11' left of centerline, 1' AGL/743' MSL.

Trees beginning 1246' from DER, 404' right of centerline, up to 822' MSL.

Tree 1605' from DER, 833' left of centerline, 797' MSL.

Trees beginning 1937' from DER, 512' left of centerline, up to 823' MSL.

Trees beginning 2045' from DER, 553' left of centerline, up to 827' MSL.

Trees beginning 2794' from DER, 237' right of centerline, up to 825' MSL.

Rwy 36L, lighting 9' from DER, 3' left of centerline, 2' AGL/745' MSL.

Tree 1355' from DER, 544' left of centerline, 786' MSL.

CON'T

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

CHARLOTTE, NC (CON'T)

CHARLOTTE/DOUGLAS INTL (CLT) (CON'T)

Rwy 36R, sign 19' from DER, 288' right of centerline, 6' AGL/747' MSL.
 Trees beginning 470' from DER, 474' right of centerline, up to 767' MSL.
 Tree, traverse_way beginning 640' from DER, 93' right of centerline, up to 775' MSL.
 Pole, tree beginning 837' from DER, 500' right of centerline, up to 777' MSL.
 Tree 944' from DER, 650' left of centerline, 771' MSL.
 Pole 1005' from DER, 739' left of centerline, 774' MSL.
 Trees beginning 1058' from DER, 346' right of centerline, up to 779' MSL.
 Pole 1191' from DER, 769' left of centerline, 778' MSL.
 Tree 1279' from DER, 625' right of centerline, 780' MSL.
 Tree 1295' from DER, 586' left of centerline, 782' MSL.
 Tree 1397' from DER, 646' right of centerline, 784' MSL.
 Tree 1477' from DER, 851' left of centerline, 785' MSL.
 Tree 1613' from DER, 731' right of centerline, 787' MSL.
 Tree, pole beginning 1652' from DER, 718' right of centerline, up to 809' MSL.
 Trees beginning 1725' from DER, 557' right of centerline, up to 816' MSL.
 Trees beginning 1874' from DER, 0' of centerline, up to 820' MSL.
 Trees beginning 2021' from DER, 1' left of centerline, up to 55' AGL/804' MSL.
 Tree 2035' from DER, 59' left of centerline, 58' AGL/805' MSL.
 Tree 2054' from DER, 91' left of centerline, 59' AGL/807' MSL.
 Trees beginning 2070' from DER, 41' left of centerline, up to 72' AGL/815' MSL.
 Trees beginning 2132' from DER, 325' left of centerline, up to 823' MSL.
 Tree 2458' from DER, 920' left of centerline, 830' MSL.
 Tower 3686' from DER, 1159' right of centerline, 70' AGL/844' MSL.
 Tree 3737' from DER, 393' left of centerline, 91' AGL/843' MSL.
 Tree 3756' from DER, 530' right of centerline, 846' MSL.
 Trees beginning 3760' from DER, 433' left of centerline, up to 851' MSL.
 Trees beginning 3775' from DER, 577' right of centerline, up to 852' MSL.
 Trees beginning 3875' from DER, 394' left of centerline, up to 93' AGL/852' MSL.
 Trees beginning 3909' from DER, 355' left of centerline, up to 857' MSL.
 Trees beginning 4262' from DER, 439' left of centerline, up to 96' AGL/858' MSL.
 Trees beginning 4309' from DER, 171' left of centerline, up to 93' AGL/859' MSL.

CHERAW, SC

CHERAW MUNI/LYNCH BELLINGER FLD (CQW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 15MAR07 (22195) (FAA)

TAKEOFF OBSTACLE NOTES:

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

AMDT 1 02NOV23 (23306) (USN)

DEPARTURE PROCEDURE:

Rwys 5R, 14L, 23R, 32L, diverse departures NA.

TAKEOFF OBSTACLE NOTES:

Rwy 32R, terrain 0' from DER, 500' left of centerline, 22' MSL.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

CHESTER, SC

CHESTER CATAWBA RGNL (DCM)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15JAN09 (09015) (FAA)

TAKEOFF OBSTACLE NOTES:

- 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/774' 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 17NOV11 (11321) (FAA)

DEPARTURE PROCEDURE:

- Rwy 25**, climb heading 253° to 1900 before turning right.

TAKEOFF OBSTACLE NOTES:

- 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 05MAY11 (11125) (FAA)

TAKEOFF OBSTACLE NOTES:

- 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 METRO (CAE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 27AUG09 (21168) (FAA)

TAKEOFF OBSTACLE NOTES:

- 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 19NOV09 (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.

TAKEOFF OBSTACLE NOTES:

- 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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

CONCORD, NC

CONCORD-PADGETT RGNL (JQF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3A 03JAN19 (19003) (FAA)

TAKEOFF MINIMUMS:

Rwy 20, 300-1¼ or std. w/min. climb of 204' per NM to 1000, 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 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.

TAKEOFF OBSTACLE NOTES:

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 25AUG11 (11237) (FAA)

TAKEOFF OBSTACLE NOTES:

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 07MAY09 (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.

TAKEOFF OBSTACLE NOTES:

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 28APR16 (16119) (FAA)

TAKEOFF OBSTACLE NOTES:

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 26JUL12 (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.

TAKEOFF OBSTACLE NOTES:

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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

EDENTON, NC

NORTHEASTERN RGNL (EDE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 30JUL09 (09211) (FAA)

TAKEOFF OBSTACLE NOTES:

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 1A 24MAY18 (21168) (FAA)

DEPARTURE PROCEDURE:

When tethered balloon located 2.6 NM south east of airport is flying:

Rwy 1, climb on a heading between 194° CW 110° from DER.

Rwy 10, climb on a heading between 284° CW 110° from DER.

Rwy 19, climb on a heading between 160° CW 014° from DER.

Rwy 28, climb on a heading between 170° CW 103° from DER.

TAKEOFF OBSTACLE NOTES:

Rwy 1, pole 53' from DER, 314' right of centerline, 6' AGL/13' MSL.

Traverse way 515' from DER, 572' right of centerline, 23' MSL.

Tree 1030' from DER, 660' left of centerline, 48' MSL.

Trees beginning 1147' from DER, 641' left of centerline, up to 52' MSL.

Trees beginning 1265' from DER, 765' left of centerline, up to 63' MSL.

Rwy 10, building 7' from DER, 442' right of centerline, 16' MSL.

Tree 108' from DER, 474' right of centerline, 66' AGL/72' MSL.

Trees, traverse way beginning 201' from DER, 148' right of centerline, up to 80' MSL.

NAVAID, traverse way beginning 292' from DER, 330' left of centerline, up to 24' MSL.

Tree 939' from DER, 340' left of centerline, 35' MSL.

Tree 2091' from DER, 485' left of centerline, 71' MSL.

Tree 2139' from DER, 390' left of centerline, 79' MSL.

Trees beginning 2185' from DER, 367' left of centerline, up to 82' MSL.

Rwy 19, traverse way, vegetation, fence beginning 19' from DER, right of centerline, up to 25' MSL.

Terrain 20' from DER, 15' left of centerline, 10' MSL.

Sign 64' from DER, 144' left of centerline, 12' MSL.

Traverse way 478' from DER, 20' left of centerline, 24' MSL.

Pole 961' from DER, 708' left of centerline, 47' MSL.

Poles beginning 1031' from DER, 552' left of centerline, up to 50' MSL.

Poles beginning 1259' from DER, 513' left of centerline, up to 55' MSL.

Spire, tree beginning 1745' from DER, 931' left of centerline, up to 65' MSL.

Tree 1989' from DER, 897' left of centerline, 75' MSL.

Trees beginning 1997' from DER, 699' left of centerline, up to 84' MSL.

Tree 2542' from DER, 1147' left of centerline, 87' MSL.

Tree 2641' from DER, 1039' left of centerline, 91' MSL.

Tree 2642' from DER, 1160' left of centerline, 92' MSL.

Trees beginning 2676' from DER, 1077' left of centerline, up to 101' MSL.

Trees beginning 2747' from DER, 991' left of centerline, up to 106' MSL.

Trees beginning 3202' from DER, 1146' left of centerline, up to 107' MSL.

Rwy 28, lighting 25' from DER, 130' left and right of centerline, 3' AGL/12' MSL.

Traverse way beginning 394' from DER, 393' right of centerline, up to 23' MSL.

Tree 2902' from DER, 881' right of centerline, 87' MSL. x

Tree 2961' from DER, 1199' right of centerline, 88' MSL.

Tree 3124' from DER, 812' right of centerline, 91' MSL.

Tree 3475' from DER, 1339' right of centerline, 103' MSL.

Tree 3541' from DER, 1437' right of centerline, 105' MSL.

ELIZABETHTOWN, NC

CURTIS L BROWN JR FLD (EYF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 02JUL09 (22195) (FAA)

DEPARTURE PROCEDURE:

Rwy 15, climb heading 152° to 2100 before turning left.

Rwy 33, climb heading 332° to 1100 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

ELKIN, NC

ELKIN MUNI (ZEF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 13NOV14 (14317) (FAA)

DEPARTURE PROCEDURE:

Rwy 7, climb heading 074° to 2000 before turning north.

Rwy 25, climb heading 255° to 2600 before turning north.

TAKEOFF OBSTACLE NOTES:

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.

ENGELHARD, NC

HYDE COUNTY (7W6)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 25APR19 (19115) (FAA)

DEPARTURE PROCEDURE:

Rwy 11, obtain ATC approval when requesting IFR clearance.

Rwy 29, climb heading 289° to 500' before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 11, trees beginning 62' from DER, left and right of centerline, up to 100' AGL/107' MSL.

Rwy 29, trees beginning 1513' from DER, 807' right of centerline, up to 100' AGL/106' MSL.

Trees beginning 1923' from DER, 956' left of centerline, up to 100' AGL/106' MSL.

Trees beginning 2828' from DER, left and right of centerline, up to 100' AGL/106' MSL.

ERWIN, NC

HARNETT RGNL JETPORT (HRJ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 30AUG07 (07242) (FAA)

TAKEOFF OBSTACLE NOTES:

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.

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 FLD (FAY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 19MAY22 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 10, sign 45' from DER, 206' left of centerline, 4' AGL/186' MSL.

Rwy 22, vehicle on road 98' from DER, 474' right of centerline, 187' MSL.

Trees beginning 803' from DER, 489' right of centerline, up to 245' MSL.

Tree 2579' from DER, 1139' right of centerline, 262' MSL.

Trees beginning 2699' from DER, 891' right of centerline, up to 266' MSL.

Tree 2983' from DER, 1164' right of centerline, 268' MSL.

Rwy 28, poles, building, trees beginning 198' from DER, 191' left of centerline, up to 34' AGL/207' MSL.

Buildings, tree beginning 513' from DER, 361' right of centerline, up to 210' MSL.

Trees beginning 810' from DER, 341' right of centerline, up to 223' MSL.

Trees beginning 917' from DER, 482' right of centerline, up to 242' MSL.

Trees beginning 1102' from DER, 531' right of centerline, up to 244' MSL.

Trees beginning 1358' from DER, 508' right of centerline, up to 251' MSL.

Trees beginning 1424' from DER, 18' right of centerline, up to 252' MSL.

Tree 1429' from DER, 21' left of centerline, 64' AGL/226' MSL.

Trees beginning 1512' from DER, 144' right of centerline, up to 253' MSL.

Tree 1818' from DER, 87' left of centerline, 71' AGL/230' MSL.

Tree 1927' from DER, 197' left of centerline, 71' AGL/232' MSL.

Tree 2015' from DER, 108' left of centerline, 69' AGL/234' MSL.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

FLORENCE, SC

FLORENCE RGNL (FLO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 5A 12AUG21 (21224) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, std. w/min. climb of 225' per NM to 1300.

TAKEOFF OBSTACLE NOTES:

Rwy 1, sign 59' from DER, 242' left of centerline, 145' MSL.
Tower, trees beginning 341' from DER, 488' left of centerline, up to 47' AGL/190' MSL.
Tree, poles, sign beginning 1077' from DER, 256' left of centerline, up to 200' MSL.
Poles beginning 1539' from DER, 137' right of centerline, up to 187' MSL.
Tree 1771' from DER, 466' right of centerline, 189' MSL.
Tree 1772' from DER, 361' right of centerline, 221' MSL.
Trees beginning 1786' from DER, 375' right of centerline, up to 223' MSL.
Trees beginning 1876' from DER, 29' left of centerline, up to 220' MSL.
Trees beginning 1971' from DER, 289' right of centerline, up to 234' MSL.
Tree 2015' from DER, 890' left of centerline, 227' MSL.
Trees beginning 2034' from DER, 24' left of centerline, up to 230' MSL.
Trees beginning 2132' from DER, 239' right of centerline, up to 237' MSL.
Tree 2154' from DER, 492' right of centerline, 244' MSL.
Trees beginning 2178' from DER, 62' right of centerline, up to 250' MSL.
Trees beginning 2786' from DER, 182' left of centerline, up to 234' MSL.
Pole, trees beginning 3262' from DER, 140' left of centerline, up to 109' AGL/246' MSL.
Rwy 9, vegetation 32' from DER, 294' right of centerline, 138' MSL.
Tree 121' from DER, 255' right of centerline, 148' MSL.
Vegetation 161' from DER, 289' left of centerline, 126' MSL.
Tree 2247' from DER, 742' right of centerline, 184' MSL.
Trees beginning 3015' from DER, 636' left of centerline, up to 212' MSL.
Rwy 19, trees beginning 2' from DER, 132' left of centerline, up to 186' MSL.
Vegetation 21' from DER, 338' right of centerline, 125' MSL.
Tree 103' from DER, 449' right of centerline, 130' MSL.
Trees beginning 415' from DER, 319' right of centerline, up to 165' MSL.
Trees beginning 1093' from DER, 279' right of centerline, up to 181' MSL.
Trees beginning 1286' from DER, 23' right of centerline, up to 185' MSL.
Trees beginning 1693' from DER, 124' right of centerline, up to 191' MSL.
Tree 1898' from DER, 4' left of centerline, 188' MSL.
Trees beginning 1931' from DER, 208' left of centerline, up to 193' MSL.
Tree 2345' from DER, 821' left of centerline, 194' MSL.
Trees beginning 2438' from DER, 961' left of centerline, up to 202' MSL.
Tree 2763' from DER, 503' right of centerline, 194' MSL.
Tree 3532' from DER, 809' left of centerline, 205' MSL.
Rwy 27, tree 102' from DER, 389' left of centerline, 159' MSL.

FRANKLIN, NC

MACON COUNTY (1A5)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 12MAR09 (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.

TAKEOFF OBSTACLE NOTES:

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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

GASTONIA, NC

GASTONIA MUNI (AKH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6 20AUG15 (15232) (FAA)

DEPARTURE PROCEDURE:

Rwy 3, climb heading 049° to 2700 before turning left.

Rwy 21, climb heading 214° to 1600 before proceeding north.

TAKEOFF OBSTACLE NOTES:

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 18SEP14 (14261) (FAA)

DEPARTURE PROCEDURE:

Rwy 29, climb heading 289° to 600 before turning northbound.

TAKEOFF OBSTACLE NOTES:

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 EXEC JETPORT (GWW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 17NOV11 (21168) (FAA)

TAKEOFF OBSTACLE NOTES:

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 1A 25JAN24 (24025) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 5L, poles beginning 9' from DER, 14' right of centerline, up to 5' AGL/856' MSL.

Pole 9' from DER, 35' left of centerline, 9' AGL/856' MSL.

Tree 1098' from DER, 662' left of centerline, 41' AGL/884' MSL.

Tree 1267' from DER, 642' left of centerline, 68' AGL/890' MSL.

Tree 1327' from DER, 689' left of centerline, 72' AGL/898' MSL.

Trees beginning 1373' from DER, 543' left of centerline, up to 88' AGL/912' MSL.

Tree 2879' from DER, 1242' left of centerline, 54' AGL/927' MSL.

Tree 2901' from DER, 1122' left of centerline, 58' AGL/931' MSL.

Tree 2933' from DER, 1277' left of centerline, 81' AGL/950' MSL.

Tree 3081' from DER, 1314' left of centerline, 72' AGL/952' MSL.

Tree 3487' from DER, 1165' left of centerline, 82' AGL/958' MSL.

Tree 3554' from DER, 927' left of centerline, 122' AGL/972' MSL.

Trees beginning 3564' from DER, 831' left of centerline, up to 104' AGL/992' MSL.

Tree 4181' from DER, 1499' left of centerline, 113' AGL/993' MSL.

Trees beginning 4215' from DER, 1235' left of centerline, up to 124' AGL/996' MSL.

Tree 4240' from DER, 1102' right of centerline, 116' AGL/963' MSL.

Tree 4376' from DER, 1291' right of centerline, 119' AGL/975' MSL.

Tree 4482' from DER, 1505' right of centerline, 116' AGL/981' MSL.

Tree 4486' from DER, 1421' right of centerline, 121' AGL/982' MSL.

Trees beginning 4555' from DER, 838' right of centerline, up to 128' AGL/989' MSL.

CON'T

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

GREENSBORO, NC (CON'T) PIEDMONT TRIAD INTL (GSO) (CON'T)

Rwy 5R, terrain 3' from DER, 499' right of centerline, 891' MSL.
Poles beginning 6' from DER, 4' left of centerline, up to 1' AGL/887' MSL.
Terrain 261' from DER, 535' right of centerline, 894' MSL.
Pole 325' from DER, 546' right of centerline, 5' AGL/895' MSL.
Pole 386' from DER, 558' right of centerline, 5' AGL/898' MSL.
Tree 1125' from DER, 478' right of centerline, 68' AGL/915' MSL.
Tree 1366' from DER, 526' right of centerline, 57' AGL/923' MSL.
Tree 1889' from DER, 914' right of centerline, 69' AGL/950' MSL.
Tree 1957' from DER, 791' right of centerline, 68' AGL/951' MSL.
Trees beginning 2017' from DER, 754' right of centerline, up to 95' AGL/966' MSL.
Trees beginning 2256' from DER, 581' right of centerline, up to 109' AGL/988' MSL.
Tree 2638' from DER, 1088' left of centerline, 57' AGL/952' MSL.
Tree 2690' from DER, 1130' left of centerline, 65' AGL/962' MSL.
Trees beginning 2744' from DER, 1195' left of centerline, up to 69' AGL/967' MSL.
Rwy 14, trees beginning 182' from DER, 478' left of centerline, up to 29' AGL/908' MSL.
Trees beginning 212' from DER, 546' left of centerline, up to 42' AGL/909' MSL.
Tree, poles beginning 566' from DER, 550' right of centerline, up to 44' AGL/933' MSL.
Electrical system 1102' from DER, 715' right of centerline, 48' AGL/940' MSL.
Tank 2599' from DER, 1089' right of centerline, 67' AGL/968' MSL.
Tree 2890' from DER, 570' right of centerline, 83' AGL/978' MSL.
Tree 3035' from DER, 643' right of centerline, 88' AGL/988' MSL.
Trees beginning 3067' from DER, 362' right of centerline, up to 87' AGL/991' MSL.
Trees beginning 3120' from DER, 519' right of centerline, up to 91' AGL/996' MSL.
Trees beginning 4577' from DER, 1320' left of centerline, up to 108' AGL/1024' MSL.
Trees beginning 4647' from DER, 1312' left of centerline, up to 115' AGL/1028' MSL.
Rwy 23L, tree 475' from DER, 533' left of centerline, 33' AGL/914' MSL.
Trees beginning 775' from DER, 516' left of centerline, up to 70' AGL/938' MSL.
Trees beginning 828' from DER, 676' left of centerline, up to 72' AGL/940' MSL.
Tree 1032' from DER, 584' right of centerline, 48' AGL/928' MSL.
Tree 1269' from DER, 803' right of centerline, 58' AGL/943' MSL.
Tree 1646' from DER, 471' left of centerline, 79' AGL/945' MSL.
Tree 1917' from DER, 338' right of centerline, 89' AGL/949' MSL.
Rwy 23R, poles beginning 9' from DER, 4' right of centerline, up to 14' AGL/918' MSL.
Poles beginning 9' from DER, 24' left of centerline, up to 14' AGL/917' MSL.
Pole 171' from DER, 539' left of centerline, 33' AGL/936' MSL.
Tree 753' from DER, 620' right of centerline, 35' AGL/937' MSL.
Trees beginning 855' from DER, 484' right of centerline, up to 53' AGL/951' MSL.
Trees beginning 1196' from DER, 673' left of centerline, up to 90' AGL/960' MSL.
Tree 1312' from DER, 665' left of centerline, 95' AGL/964' MSL.
Trees beginning 1317' from DER, 616' left of centerline, up to 79' AGL/967' MSL.
Trees beginning 1346' from DER, 573' left of centerline, up to 82' AGL/970' MSL.
Tree 1669' from DER, 861' right of centerline, 61' AGL/961' MSL.
Rwy 32, tree 10' from DER, 318' left of centerline, 37' AGL/926' MSL.
Vegetation 32' from DER, 278' right of centerline, 13' AGL/926' MSL.
Tree 113' from DER, 291' left of centerline, 39' AGL/929' MSL.
Tree 2602' from DER, 862' right of centerline, 107' AGL/991' MSL.
Tree 2629' from DER, 941' right of centerline, 105' AGL/993' MSL.
Trees beginning 2701' from DER, 618' right of centerline, up to 98' AGL/995' MSL.
Trees beginning 2735' from DER, 701' right of centerline, up to 102' AGL/1000' MSL.
Trees beginning 2874' from DER, 638' right of centerline, up to 89' AGL/1002' MSL.
Trees beginning 3687' from DER, 290' right of centerline, up to 118' AGL/1024' MSL.

GREENVILLE, NC PITT-GREENVILLE (PGV)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMD T 5 04FEB16 (16035) (FAA)

TAKEOFF OBSTACLE NOTES:

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.
CON'T

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

GREENVILLE, NC (CON'T)

PITT-GREENVILLE (PGV) (CON'T)

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.

GREENVILLE, SC

DONALDSON FLD (GYH)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 15OCT15 (21168) (FAA)

TAKEOFF MINIMUMS:

Rwy 5, 300-1% or std. w/min. climb of 220' per NM to 1300, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1800' prior to DER.

TAKEOFF OBSTACLE NOTES:

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 15OCT15 (15288) (FAA)

TAKEOFF MINIMUMS:

Rwy 10, 300-1% or std. w/min. climb of 355' per NM to 1300.

Rwy 28, 300-2% or std. w/min. climb of 220' per NM to 1500, or alternatively, with std. 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.

TAKEOFF OBSTACLE NOTES:

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.

CON'T

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

GREENVILLE, SC (CON'T)

GREENVILLE DOWNTOWN (GMU) (CON'T)

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.

GREENWOOD, SC

GREENWOOD COUNTY (GRD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 10NOV16 (16315) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 5: Tree 387' from DER, 289' right of centerline, 100' AGL/629' MSL.
Rwy 9: trees beginning 215' from DER, 493' left of centerline, up to 643' MSL.
Tree 444' from DER, 554' left of centerline, 647' MSL.
Trees beginning 568' from DER, 253' left of centerline, up to 651' MSL.
Trees beginning 627' from DER, 545' right of centerline, up to 646' MSL.
Trees beginning 780' from DER, 265' left of centerline, up to 663' MSL.
Tree and pole beginning 899' from DER, 308' left of centerline, up to 668' MSL.
Tree 2090' from DER, 1000' right of centerline, 109' AGL/691' MSL.
Tree 2692' from DER, 1038' left of centerline, 86' AGL/699' MSL.
Trees beginning 2096' from DER, 512' left of centerline, up to 100' AGL/719' MSL.
Trees beginning 3359' from DER, 546' right of centerline, 100' AGL/709' MSL.
Trees beginning 3773' from DER, 550' right of centerline, up to 100' AGL/719' MSL.
Rwy 23: trees beginning 812' from DER, 571' left of centerline, up to 657' MSL.
Tree 963' from DER, 516' left of centerline, 670' MSL.
Trees, beginning 1037' from DER, 291' left of centerline, up to 61' AGL/681' MSL.
Trees, beginning 1323' from DER, 10' left of centerline, up to 100' AGL/719' MSL.
Tree 1761' from DER, 413' right of centerline, 673' MSL.
Tree 1933' from DER, 244' right of centerline, 86' AGL/677' MSL.
Trees, beginning 2581' from DER, 72' right of centerline, up to 100' AGL/719' MSL.
Trees, beginning 3865' from DER, 1179' right of centerline, up to 100' AGL/729' MSL.
Rwy 27: bush 11' from DER, 274' left of centerline, 3' AGL/634' MSL.
Tree 264' from DER, 550' left of centerline, 641' MSL.
Tree 300' from DER, 549' right of centerline, 652' MSL.
Trees beginning 424' from DER, 543' left of centerline, up to 649' MSL.
Tree 467' from DER, 587' right of centerline, 669' MSL.
Tree 562' from DER, 639' right of centerline, 680' MSL.
Trees beginning 670' from DER, 10' right of centerline, up to 85' AGL/716' MSL.
Trees beginning 725' from DER, 588' left of centerline, up to 653' MSL.
Trees beginning 966' from DER, 594' left of centerline, up to 686' MSL.
Trees beginning 1087' from DER, 657' left of centerline, up to 695' MSL.
Trees beginning 1681' from DER, 695' left of centerline, up to 707' MSL.
Trees beginning 1864' from DER, 34' left of centerline, up to 714' MSL.
Trees beginning 2764' from DER, 159' left of centerline, up to 718' MSL.
Trees beginning 2959' from DER, 119' right of centerline, up to 726' MSL.
Trees beginning 2965' from DER, 11' left of centerline, up to 727' MSL.
Trees beginning 3332' from DER, 561' right of centerline, up to 100' AGL/739' MSL.
Trees beginning 3477' from DER, 572' left of centerline, 100' AGL/729' MSL.
Trees beginning 3724' from DER, 550' left of centerline, 100' AGL/739' MSL.
Trees beginning 3746' from DER, 790' right of centerline, 100' AGL/749' MSL.

GREER, SC

GREENVILLE SPARTANBURG INTL(GSP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 15OCT15 (15288) (FAA)

DEPARTURE PROCEDURE:

Rwy 4, climb heading 038° to 2500 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 4, trees 1422' from DER, 832' right of centerline, up to 65' AGL/1001' MSL.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

HARTSVILLE, SC**HARTSVILLE RGNL (HVS)****TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

AMDT 1 17AUG17 (17229) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 3, buildings, tank beginning 5' from DER, 336' right of centerline, up to 368' MSL.
 Bushes, tree beginning 31' from DER, 127' left of centerline, up to 384' MSL.
 Pole, tank, building beginning 68' from DER, 380' right of centerline, up to 385' MSL.
 Bushes beginning 381' from DER, 501' left of centerline, up to 385' MSL.
 Trees beginning 410' from DER, 507' right of centerline, up to 430' MSL.
 Trees, poles, buildings beginning 541' from DER, 244' left of centerline, up to 444' MSL.
 Trees, poles beginning 541' from DER, 13' right of centerline, up to 432' MSL.
 Tree 786' from DER, 632' left of centerline, 462' MSL.
 Trees beginning 900' from DER, 11' left of centerline, up to 467' MSL.
 Trees, poles beginning 1042' from DER, 2' left of centerline, up to 471' MSL.
 Trees, poles beginning 1402' from DER, 3' right of centerline, up to 436' MSL.
 Trees beginning 2040' from DER, 616' right of centerline, up to 437' MSL.
 Trees beginning 2119' from DER, 6' right of centerline, up to 440' MSL.
 Trees beginning 2251' from DER, 103' right of centerline, up to 443' MSL.
 Trees beginning 2355' from DER, 105' right of centerline, up to 445' MSL.
 Trees beginning 2363' from DER, 47' right of centerline, up to 450' MSL.
 Trees beginning 2455' from DER, 97' right of centerline, up to 453' MSL.
 Trees beginning 2534' from DER, 13' right of centerline, up to 454' MSL.
 Trees, pole beginning 2662' from DER, 14' right of centerline, up to 460' MSL.
 Trees, poles beginning 2756' from DER, 78' left of centerline, up to 473' MSL.
 Trees beginning 3076' from DER, 655' left of centerline, up to 475' MSL.
 Trees, pole beginning 3102' from DER, 16' left of centerline, up to 478' MSL.
 Trees beginning 3200' from DER, 27' right of centerline, up to 465' MSL.
 Trees beginning 3456' from DER, 758' right of centerline, up to 466' MSL.
 Trees beginning 3505' from DER, 12' left of centerline, up to 480' MSL.
 Trees beginning 3532' from DER, 652' right of centerline, up to 469' MSL.
 Trees beginning 3580' from DER, 197' right of centerline, up to 471' MSL.
 Trees beginning 3619' from DER, 490' right of centerline, up to 473' MSL.
 Trees beginning 3625' from DER, 103' right of centerline, up to 480' MSL.
 Trees beginning 3720' from DER, 208' right of centerline, up to 487' MSL.
 Trees beginning 3809' from DER, 117' right of centerline, up to 489' MSL.
 Trees beginning 4023' from DER, 204' right of centerline, up to 493' MSL.
 Trees beginning 4139' from DER, 251' right of centerline, up to 495' MSL.
 Trees, transmission tower beginning 4249' from DER, 55' left of centerline, up to 485' MSL.
Rwy 21, trees beginning 21' from DER, 459' left of centerline, up to 402' MSL.
 Buildings beginning 95' from DER, 440' right of centerline, up to 360' MSL.
 Pole, building, tree beginning 263' from DER, 410' right of centerline, up to 365' MSL.

HATTERAS, NC**BILLY MITCHELL (HSE)****TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

ORIG 24SEP09 (09267) (FAA)

TAKEOFF OBSTACLE NOTES:

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 25AUG11 (11237) (FAA)

DEPARTURE PROCEDURE:

Use HICKORY DEPARTURE.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

HILTON HEAD ISLAND, SC

HILTON HEAD (HXD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 07DEC17 (17341) (FAA)

TAKEOFF OBSTACLE NOTES:

- Rwy 3**, electrical system 5' from DER, 103' left of centerline, 4' AGL/16' MSL.
- Tree, fence beginning 56' from DER, 294' left of centerline, up to 81' MSL.
- Tree, terrain, building, traverse way, pole beginning 93' from DER, 5' left of centerline, up to 101' AGL/116' MSL.
- Tree, fence beginning 177' from DER, 293' right of centerline, up to 87' MSL.
- Tree, fence, building beginning 352' from DER, 6' right of centerline, up to 87' AGL/98' MSL.
- Trees beginning 3082' from DER, 106' right of centerline, up to 82' AGL/99' MSL.
- Trees beginning 3239' from DER, 279' right of centerline, up to 85' AGL/102' MSL.
- Tree 3295' from DER, 288' right of centerline, 91' AGL/107' MSL.
- Trees beginning 3323' from DER, 299' right of centerline, up to 95' AGL/112' MSL.
- Trees beginning 3359' from DER, 318' right of centerline, up to 97' AGL/113' MSL.
- Rwy 21**, tree 4' from DER, 336' right of centerline, 103' MSL.
- Tree, fence, pole beginning 8' from DER, 297' left of centerline, up to 73' MSL.
- Tree, building, pole beginning 93' from DER, 1' right of centerline, up to 91' AGL/110' MSL.
- Tree 190' from DER, 468' left of centerline, 60' AGL/76' MSL.
- Tree, NAVAID, building beginning 312' from DER, 260' left of centerline, up to 69' AGL/85' MSL.
- Trees beginning 662' from DER, 455' left of centerline, up to 96' MSL.
- Trees beginning 771' from DER, 292' left of centerline, up to 101' MSL.
- Tree 1144' from DER, 675' left of centerline, 105' AGL/116' MSL.
- Tree, pole beginning 1222' from DER, 3' left of centerline, up to 109' AGL/120' MSL.
- Trees beginning 2489' from DER, 10' right of centerline, up to 111' MSL.
- Trees beginning 2695' from DER, 0' right of centerline, up to 113' MSL.
- Trees beginning 2859' from DER, 25' right of centerline, up to 117' MSL.
- Trees beginning 2942' from DER, 66' right of centerline, up to 118' MSL.
- Trees beginning 3027' from DER, 2' right of centerline, up to 106' AGL/119' MSL.

JACKSONVILLE, NC

ALBERT J ELLIS (OAJ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 20SEP12 (12264) (FAA)

TAKEOFF OBSTACLE NOTES:

- 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

AMDT 1 27APR17 (17117) (FAA)

TAKEOFF MINIMUMS:

- Rwy 28**, 700-3 w/min. climb of 425' per NM to 5500 or standard w/min. climb of 750' per NM to 4900 or 2200-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

- Rwy 10**, climb heading 096° to 4400 before proceeding on course.

- Rwy 28**, climb heading 276° to 6100 before proceeding on course.

VCOA:

- Rwy 28**, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Ashe County Airport at or above 5200 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

- Rwy 10**, NAVAID, runway light, and bush beginning 8' from DER, 17' right of centerline, up to 3' AGL/3088' MSL.
- NAVAID, runway light, and bush beginning 8' from DER, 17' left of centerline, up to 4' AGL/3089' MSL.
- Trees beginning 344' from DER, 231' right of centerline, up to 3109' MSL.
- Trees beginning 369' from DER, 236' right of centerline, up to 3114' MSL.
- Rwy 28**, terrain, antenna, runway light, and tree beginning 23' from DER, 6' left of centerline, up to 3250' MSL.
- Terrain 25' from DER, 176' right of centerline, 3183' MSL.
- Terrain, runway light, building, agricultural equipment, and tree beginning 100' from DER, 22' right of centerline, up to 3241' MSL.
- Trees beginning 1091' from DER, 6' right of centerline, up to 3306' MSL.
- Trees beginning 6071' from DER, 1669' right of centerline, up to 3422' MSL.
- Tree 1.0 NM from DER, 1990' right of centerline, 3490' MSL.
- Trees beginning 1.0 NM from DER, 1487' right of centerline, up to 3497' MSL.
- Trees beginning 1.0 NM from DER, 1330' right of centerline, up to 3564' MSL.
- Trees beginning 1.0 NM from DER, 1599' right of centerline, up to 3644' MSL.
- Trees beginning 1 NM from DER, 1185' right of centerline, up to 3731' MSL.
- Pole and trees beginning 1.1 NM from DER, 513' right of centerline, up to 3831' MSL.
- Tree 2.5 NM from DER, 1194' right of centerline, 3597' MSL.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

KENANSVILLE, NC**DUPLIN COUNTY (DPL)****TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

AMDT 1 08NOV18 (18312) (FAA)

TAKEOFF OBSTACLE NOTES:**Rwy 5**, trees beginning 134' from DER, 501' left of centerline, up to 180' MSL.

Tree 194' from DER, 516' right of centerline, 175' MSL.

Tree 408' from DER, 525' right of centerline, 187' MSL.

Trees beginning 1092' from DER, 579' right of centerline, up to 215' MSL.

Rwy 23, trees beginning 100' from DER, 491' left of centerline, up to 174' MSL.

Tree 115' from DER, 490' right of centerline, 169' MSL.

Tree 180' from DER, 504' right of centerline, 191' MSL.

Tree 387' from DER, 538' right of centerline, 208' MSL.

Trees beginning 588' from DER, 581' right of centerline, up to 210' MSL.

Trees beginning 684' from DER, 642' left of centerline, up to 197' MSL.

Trees beginning 1089' from DER, 633' right of centerline, up to 211' MSL.

Trees beginning 1314' from DER, 749' left of centerline, up to 198' MSL.

KILL DEVIL HILLS, NC**FIRST FLIGHT (FFA)****TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

ORIG 22JUN17 (17173) (FAA)

TAKEOFF OBSTACLE NOTES:**Rwy 21**, tree, 11' from DER, 481' right of centerline, 79' MSL.

Trees beginning 12' from DER, 277' right of centerline, up to 91' MSL.

Trees beginning 18' from DER, 149' right of centerline, up to 93' MSL.

Tree, 20' from DER, 318' left of centerline, 71' MSL.

Trees beginning 42' from DER, 213' left of centerline, up to 75' MSL.

Trees beginning 115' from DER, 150' left of centerline, up to 79' MSL.

Trees beginning 212' from DER, 142' left of centerline, up to 81' MSL.

Trees beginning 334' from DER, 155' left of centerline, up to 84' MSL.

Trees beginning 347' from DER, 162' left of centerline, up to 85' MSL.

Trees beginning 441' from DER, 167' left of centerline, up to 86' MSL.

Trees beginning 483' from DER, 340' right of centerline, up to 94' MSL.

Trees beginning 497' from DER, 205' right of centerline, up to 95' MSL.

Tree, pole beginning 616' from DER, 192' right of centerline, up to 97' MSL.

Tree, 2798' from DER, 876' left of centerline, 90' MSL.

Antenna 2852' from DER, 470' left of centerline, 110' MSL.

Rwy 3, trees beginning 2' from DER, 214' left of centerline, up to 71' MSL.

Tree, building beginning 88' from DER, 28' left of centerline, up to 75' MSL.

Pole, 339' from DER, 201' right of centerline, 21' MSL.

Trees beginning 365' from DER, 37' right of centerline, up to 25' MSL.

Tree, 454' from DER, 207' right of centerline, 30' MSL.

Trees beginning 467' from DER, 64' right of centerline, up to 34' MSL.

Tree, 731' from DER, 274' right of centerline, 35' MSL.

Tree, 909' from DER, 384' right of centerline, 44' MSL.

Pole beginning 1301' from DER, 236' right of centerline, up to 105' MSL.

Pole beginning 2109' from DER, 133' left of centerline, up to 105' MSL.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

KINGSTREE, SC

WILLIAMSBURG RGNL (CKI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 17AUG17 (17229) (FAA)

TAKEOFF MINIMUMS:

Rwy 14, 400-2¾ or std. w/ min. climb of 210'/NM to 500.

DEPARTURE PROCEDURE:

Rwy 14, climb heading 140° to 700 before turning north.

TAKEOFF OBSTACLE NOTES:

Rwy 14, tree 23' from DER, 159' right of centerline, 6' AGL/66' MSL.

Parking lot beginning 199' from DER, 478' left of centerline, up to 77' MSL.

Building 359' from DER, 578' left of centerline, 81' MSL.

Tree, pole beginning 880' from DER, 473' left of centerline, up to 142' MSL.

Trees beginning 1083' from DER, 548' right of centerline, up to 130' MSL.

Trees beginning 1181' from DER, 680' left of centerline, up to 145' MSL.

Trees beginning 1574' from DER, 631' left of centerline, up to 152' MSL.

Trees beginning 1918' from DER, 590' right of centerline, up to 138' MSL.

Trees beginning 2175' from DER, 633' right of centerline, up to 142' MSL.

Trees beginning 2701' from DER, 874' right of centerline, up to 151' MSL.

Trees beginning 2896' from DER, 551' left of centerline, up to 159' MSL.

Tree 3483' from DER, 1366' right of centerline, 160' MSL.

Trees beginning 3483' from DER, 597' right of centerline, up to 163' MSL.

Tree 3805' from DER, 596' right of centerline, 165' MSL.

Tower 2.2 NM from DER, 2801' right of centerline, 330' AGL/404' MSL.

Rwy 32, trees beginning 62' from DER, 325' left of centerline, up to 107' MSL.

Trees beginning 126' from DER, 507' right of centerline, up to 86' AGL/150' MSL.

Trees beginning 140' from DER, 427' left of centerline, up to 123' MSL.

Tree 1024' from DER, 733' left of centerline, 143' MSL.

Trees beginning 1138' from DER, 634' left of centerline, up to 147' MSL.

Trees beginning 1249' from DER, 723' right of centerline, up to 158' MSL.

Trees beginning 1472' from DER, 614' right of centerline, up to 162' MSL.

Trees beginning 1877' from DER, 621' left of centerline, up to 148' MSL.

Trees beginning 2328' from DER, 580' left of centerline, up to 153' MSL.

Trees beginning 2541' from DER, 572' left of centerline, up to 155' MSL.

Tree 3442' from DER, 1019' left of centerline, 157' MSL.

KINSTON, NC

KINSTON RGNL JETPORT AT STALLINGS FLD (ISO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 25OCT07 (21168) (FAA)

DEPARTURE PROCEDURE:

Rwy 5, climb heading 050° to 1800 before turning east.

TAKEOFF OBSTACLE NOTES:

Rwy 5, multiple poles 1,521' 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 FLD (51J)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 15MAR07 (21140) (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.

TAKEOFF OBSTACLE NOTES:

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-MC WHIRTER FLD (LKR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 20AUG15 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:

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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

LAURENS, SC

LAURENS COUNTY (LUX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 02MAY13 (13122) (FAA)

TAKEOFF OBSTACLE NOTES:

- 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 EXEC (EXX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 26JUL12 (23222) (FAA)

TAKEOFF MINIMUMS:

- Rwy 6**, 300-1 or std w/min climb of 384' per NM to 1000.

TAKEOFF OBSTACLE NOTES:

- 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.

LINCOLN, NC

LINCOLN COUNTY RGNL (IPJ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 20AUG15 (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.

TAKEOFF OBSTACLE NOTES:

- 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 06MAY10 (10126) (FAA)

TAKEOFF OBSTACLE NOTES:

- 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 EXEC (LHZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 20OCT11 (21280) (FAA)

DEPARTURE PROCEDURE:

- Rwy 5**, climb heading 046° to 1900 before turning right.

TAKEOFF OBSTACLE NOTES:

- 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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

LUMBERTON, NC

LUMBERTON RGNL (LBT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 16OCT14 (14289) (FAA)

TAKEOFF MINIMUMS:

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

TAKEOFF OBSTACLE NOTES:

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.

MACKALL AAF (KHFF)

CAMP MACKALL, NC

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 15JUN23 (23166) (USA)

TAKEOFF MINIMUMS:

Rwy 30, 300-1¼ or std. w/min. climb of 230' per NM to 800.

Rwys 4, 16, 22, 34, NA-non-IFR runways.

TAKEOFF OBSTACLE NOTES:

Rwy 12, tree 324' from DER, 536' left of centerline, 369' MSL.

Tree 1143' from DER, 641' left of centerline, 419' MSL.

Tree 1307' from DER, 683' left of centerline, 393' MSL.

Tree 1831' from DER, 274' right of centerline, 386' MSL.

Tree 1405' from DER, 604' right of centerline, 373' MSL.

Dirt road 148' from DER, 87' right of centerline, 340' MSL.

Rwy 30, tree 2189' from DER, 665' left of centerline, 480' MSL.

Tree 1325' from DER, 754' right of centerline, 454' MSL.

Tree 1341' from DER, 663' left of centerline, 449' MSL.

Tree 2370' from DER, 345' right of centerline, 436' MSL.

Tree 1412' from DER, 547' left of centerline, 421' MSL.

Tree 828' from DER, 444' right of centerline, 20' AGL/396' MSL.

Dirt road 175' from DER, 368' left of centerline, 382' MSL.

Tree 1324' from DER, 783' right of centerline, 435' MSL.

MANNING, SC

SANTEE COOPER RGNL (MNI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 12FEB09 (09043) (FAA)

TAKEOFF OBSTACLE NOTES:

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 15DEC11 (11349) (FAA)

TAKEOFF MINIMUMS:

Rwy 17, 300-1¼ or std. w/min. climb of 250' per NM to 300.

Rwy 35, 300-1¼ or std. w/min. climb of 260' per NM to 300.

TAKEOFF OBSTACLE NOTES:

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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

MARION, SC

MARION COUNTY (MAO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 13NOV14 (14317) (FAA)

DEPARTURE PROCEDURE:

Rwy 4, climb on heading 058° to 2000 before turning.

TAKEOFF OBSTACLE NOTES:

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 25OCT07 (22027) (FAA)

TAKEOFF OBSTACLE NOTES:

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 29MAY14 (14149)

TAKEOFF 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.

TAKEOFF OBSTACLE NOTES:

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' to 791' 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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

MOCKSVILLE, NC

TWIN LAKES (8A7)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 02AUG07 (07214) (FAA)

TAKEOFF MINIMUMS:

Rwy 27, 300-1

TAKEOFF OBSTACLE NOTES:

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 15JAN09 (09015) (FAA)

TAKEOFF MINIMUMS:

Rwy 5, 300-1½ or std. w/ min. climb of 215' per NM to 400.

TAKEOFF OBSTACLE NOTES:

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 EXEC (EQY)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 20AUG15 (22083) (FAA)

TAKEOFF OBSTACLE 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 23NOV06 (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.

TAKEOFF OBSTACLE NOTES:

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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

MORGANTON, NC

FOOTHILLS RGNL (MRN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 30JUN11 (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.

TAKEOFF OBSTACLE NOTES:

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 4 08NOV18 (18312) (FAA)

TAKEOFF MINIMUMS:

Rwy 36, std. w/min. climb of 250' per NM to 3900, or 1600-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 18, climb heading 180° to 2900 before turning left.

Rwy 36, climb heading 360° to 2200 before proceeding on course.

VCOA:

Rwy 36, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Mount Airy/Surry County Airport at or above 2700 MSL before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 18, vehicles on road beginning 50' from DER, 378' right of centerline, up to 1222' MSL.

Trees beginning 72' from DER, 365' left of centerline, up to 1254' MSL.

Tree 189' from DER, 498' right of centerline, 1231' MSL.

Tree 219' from DER, 528' right of centerline, 1249' MSL.

Trees beginning 318' from DER, 328' right of centerline, up to 1252' MSL.

Trees beginning 495' from DER, 354' left of centerline, up to 1259' MSL.

Trees beginning 593' from DER, 170' right of centerline, up to 1253' MSL.

Trees beginning 1365' from DER, 329' right of centerline, up to 1263' MSL.

Building, tree beginning 1841' from DER, 96' left of centerline, up to 47' AGL/1260' MSL.

Trees beginning 2091' from DER, 151' left of centerline, up to 73' AGL/1270' MSL.

Tree 2110' from DER, 166' left of centerline, up to 77' AGL/1271' MSL.

Trees beginning 2134' from DER, 95' left of centerline, up to 81' AGL/1272' MSL.

Tree 2668' from DER, 367' left of centerline, 56' AGL/1276' MSL.

Tree 2680' from DER, 140' left of centerline, 71' AGL/1278' MSL.

Tree 2683' from DER, 306' left of centerline, 61' AGL/1280' MSL.

Trees beginning 2684' from DER, 120' left of centerline, up to 1290' MSL.

Trees beginning 2716' from DER, 265' left of centerline, up to 1304' MSL.

Trees beginning 2849' from DER, 53' left of centerline, up to 89' AGL/1316' MSL.

Tree 3196' from DER, 40' right of centerline, 98' AGL/1289' MSL.

Rwy 36, terrain 34' from DER, 428' left of centerline, 1279' MSL.

Terrain 35' from DER, 325' right of centerline, 1277' MSL.

Terrain beginning 94' from DER, 312' right of centerline, up to 1285' MSL.

Terrain beginning 116' from DER, 390' left of centerline, up to 1287' MSL.

Fence beginning 170' from DER, 465' right of centerline, up to 4' AGL/1289' MSL.

Vehicles on road, pole, tree beginning 537' from DER, 451' left of centerline, up to 1332' MSL.

Tree 820' from DER, 580' left of centerline, 1344' MSL.

Building 941' from DER, 520' right of centerline, 1321' MSL.

Trees beginning 987' from DER, 455' left of centerline, up to 1345' MSL.

Tree 1151' from DER, 724' right of centerline, 1327' MSL.

Trees beginning 1157' from DER, 51' left of centerline, up to 1348' MSL.

Trees beginning 1193' from DER, 14' right of centerline, up to 1339' MSL.

Trees, pole beginning 2211' from DER, 69' right of centerline, up to 69' AGL/1340' MSL.

Tree 2251' from DER, 201' right of centerline, 74' AGL/1345' MSL.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

MOUNT OLIVE, NC

MOUNT OLIVE MUNI (W40)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 07MAR13 (13066) (FAA)

TAKEOFF MINIMUMS:

Rwy 23, 300-1 or std. w/ min. climb of 334' per NM to 500.

TAKEOFF OBSTACLE NOTES:

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 FLD (LRO)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 06MAY10 (21140) (FAA)

DEPARTURE PROCEDURE:

Rwy 17, climb heading 174° to 1400 before proceeding on course.

Rwy 35, climb heading 354° to 1900 before turning right.

TAKEOFF OBSTACLE NOTES:

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 11FEB10 (10042) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 18, trees beginning 1770' from DER, 664' left of centerline, up to 60' AGL/88' MSL.

NEW BERN, NC

COASTAL CAROLINA RGNL (EWN)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 15NOV12 (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.

TAKEOFF OBSTACLE NOTES:

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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

NEWBERRY, SC

NEWBERRY COUNTY (EOE)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 20NOV08 (08325) (FAA)

TAKEOFF OBSTACLE NOTES:

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

ORIG 02MAR17 (17061)

CAUTION:

Rwy 5/23 diverse departure procedures not authorized at night.

TAKEOFF OBSTACLE NOTES:

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 14JAN10 (10014) (FAA)

TAKEOFF OBSTACLE NOTES:

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

AMDT 1A 20JUN19 (19171) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, std. w/min. climb of 330' per NM to 5000 or 2000-3 for climb in visual conditions.

Rwy 19, std. w/min. climb of 230' per NM to 3200 or 2000-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 19, climb heading 187° to 3200 before proceeding on course.

VCOA:

All runways, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Wilkes

County airport at or above 3200 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 1, trees beginning 2' from DER, 309' right of centerline, up to 1344' MSL.

Tree 44' from DER, 447' left of centerline, 1351' MSL.

Tree 65' from DER, 501' left of centerline, 1352' MSL.

Trees beginning 171' from DER, 495' left of centerline, up to 1364' MSL.

Trees beginning 294' from DER, 468' left of centerline, up to 1367' MSL.

Trees, building beginning 324' from DER, 263' right of centerline, up to 1358' MSL.

Tree 425' from DER, 405' right of centerline, 1367' MSL.

Tree 484' from DER, 491' right of centerline, 1378' MSL.

Trees beginning 520' from DER, 263' right of centerline, up to 1379' MSL.

Trees, pole beginning 587' from DER, 188' left of centerline, up to 1370' MSL.

Trees beginning 760' from DER, 263' right of centerline, up to 1381' MSL.

Trees beginning 1014' from DER, 146' right of centerline, up to 1389' MSL.

Tree 1417' from DER, 537' left of centerline, 1374' MSL.

Tree 1452' from DER, 641' left of centerline, 1384' MSL.

Trees beginning 1528' from DER, 1' left of centerline, up to 1403' MSL.

Trees, poles beginning 2154' from DER, 423' left of centerline, up to 1421' MSL.

Trees, pole beginning 2369' from DER, 357' left of centerline, up to 1423' MSL.

Trees beginning 2784' from DER, 497' right of centerline, up to 1393' MSL.

CONT

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

NORTH WILKESBORO, NC (CON'T)

WILKES COUNTY (UKF) (CON'T)

Rwy 1 (CON'T), trees beginning 3436' from DER, 726' right of centerline, up to 1406' MSL.

Trees beginning 3646' from DER, 1115' right of centerline, up to 1413' MSL.

Tree 4982' from DER, 1807' left of centerline, 1428' MSL.

Trees beginning 5360' from DER, 187' right of centerline, up to 1443' MSL.

Tree 5510' from DER, 363' right of centerline, 1448' MSL.

Tree 5558' from DER, 430' right of centerline, 1451' MSL.

Trees beginning 5517' from DER, 290' right of centerline, up to 1460' MSL.

Rwy 19, trees beginning 33' from DER, 321' right of centerline, up to 1262' MSL.

Trees beginning 135' from DER, 475' left of centerline, up to 1298' MSL.

Trees beginning 173' from DER, 326' right of centerline, up to 1266' MSL.

Tree 990' from DER, 652' left of centerline, 1304' MSL.

Tree 1037' from DER, 469' right of centerline, 1274' MSL.

OAK ISLAND, NC

CAPE FEAR RGNL JETPORT / HOWIE FRANKLIN FLD (SUT)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 28JUN12 (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.

TAKEOFF OBSTACLE NOTES:

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 4 25APR19 (19115) (FAA)

TAKEOFF MINIMUMS:

Rwy 35, 300-2½ or std. w/min. climb of 240' per NM to 600.

DEPARTURE PROCEDURE:

Rwy 5, climb heading 049° to 1000 before turning left.

Rwy 35, climb heading 354° to 800 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 5, tree 190' from DER, 474' left of centerline, 279' MSL.

Tree 302' from DER, 384' left of centerline, 286' MSL.

Trees beginning 421' from DER, 386' left of centerline, up to 289' MSL.

Traverse way 769' from DER, 406' right of centerline, 220' MSL.

Rwy 23, tree 32' from DER, 477' left of centerline, 186' MSL.

Tree 870' from DER, 684' right of centerline, 253' MSL.

Pole 1260' from DER, 127' left of centerline, 52' AGL/202' MSL.

Trees beginning 1647' from DER, 420' right of centerline, up to 259' MSL.

Tree 2195' from DER, 45' left of centerline, 250' MSL.

Tree 2529' from DER, 118' left of centerline, 251' MSL.

Rwy 35, tree 798' from DER, 231' left of centerline, 277' MSL.

Trees beginning 1538' from DER, 241' right of centerline, up to 272' MSL.

Transmission line 3374' from DER, 663' right of centerline, 97' AGL/296' MSL.

Trees beginning 3663' from DER, 1239' right of centerline, up to 301' MSL.

Tower 1.9 NM from DER, 2830' right of centerline, 268' AGL/477' MSL.

OXFORD, NC

HENDERSON/OXFORD (HNZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 05MAR15 (21336) (FAA)

DEPARTURE PROCEDURE:

Rwy 24, climb heading 240° to 1300 before turning right.

TAKEOFF OBSTACLE NOTES:

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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

PAGELAND, SC

PAGELAND (PYG)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 02MAR17 (17061) (FAA)

TAKEOFF OBSTACLE NOTES:

- Rwy 6**, tree 10' from DER, 407' left of centerline, 601' MSL.
- Tree 38' from DER, 417' right of centerline, 582' MSL.
- Pole 67' from DER, 296' right of centerline, 595' MSL.
- Tree and pole beginning 73' from DER, 188' left of centerline, up to 607' MSL.
- Flag pole 81' from DER, 439' right of centerline, 596' MSL.
- Pole 114' from DER, 381' right of centerline, 597' MSL.
- Tree 199' from DER, 327' right of centerline, 602' MSL.
- Trees beginning 222' from DER, 372' left of centerline, up to 608' MSL.
- Trees and vehicles on road beginning 265' from DER, 401' right of centerline, up to 621' MSL.
- Airport beacon, trees, and pole beginning 323' from DER, 102' right of centerline, up to 627' MSL.
- Trees, bldg, and poles beginning 324' from DER, 345' left of centerline, up to 622' MSL.
- Trees beginning 1235' from DER, 698' left of centerline, up to 630' MSL.
- Trees beginning 1295' from DER, 40' left of centerline, up to 641' MSL.
- Trees beginning 1793' from DER, 167' right of centerline, up to 635' MSL.
- Tree 2177' from DER, 36' left of centerline, 642' MSL.
- Rwy 24**, tree 5' from DER, 287' right of centerline, 573' MSL.
- Tree 16' from DER, 378' right of centerline, 580' MSL.
- Tree and windsock beginning 20' from DER, 148' right of centerline, up to 581' MSL.
- Vehicle on road beginning 42' from DER, 406' left of centerline, up to 571' MSL.
- Tree and pole beginning 55' from DER, 390' left of centerline, up to 600' MSL.
- Trees beginning 111' from DER, 209' right of centerline, up to 587' MSL.
- Tree 138' from DER, 501' left of centerline, 604' MSL.
- Trees, fence, poles, bldg, and vehicles on road beginning 225' from DER, 417' left of centerline, up to 609' MSL.
- Trees beginning 1174' from DER, 364' left of centerline, up to 624' MSL.

PELION, SC

LEXINGTON COUNTY (6J0)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 08NOV18 (18312) (FAA)

TAKEOFF OBSTACLE NOTES:

- 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 17DEC09 (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.

TAKEOFF OBSTACLE NOTES:

- 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-A 18AUG16 (16231) (FAA)

DEPARTURE PROCEDURE:

- Rwy 23**, climb heading 234° to 1100 before turning left.

TAKEOFF OBSTACLE NOTES:

- 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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

PLYMOUTH, NC

PLYMOUTH MUNI (PMZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 15DEC11 (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.

TAKEOFF OBSTACLE NOTES:

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 LIBERTY, NC

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 10 24MAR22 (23278) (USAF)

DEPARTURE PROCEDURE:

Rwy 5, expect RADAR vectors from Fayetteville approach.

Rwy 23, expect RADAR vectors from Fayetteville approach. Std w/min climb of 232'/NM to 1000 or 300-1% w/min climb of 220'/NM to 1000.

Fence 1201' from DER, 71' left of centerline, 247' MSL.

TAKEOFF OBSTACLE NOTES:

Rwy 5, multiple trees 1682' to 2515' from DER, 703' right of centerline, 108' AGL/281' MSL.

Multiple trees 2578' to 2988' from DER, 996' right of centerline, 107' AGL/280' MSL.

Multiple trees 3026' to 3376' from DER, 921' right of centerline, 118' AGL/290' MSL.

Multiple trees 1473' to 1554' from DER, 776' left of centerline, 45' AGL/231' MSL.

Multiple trees 2187' to 3435' from DER, 418' left of centerline, 107' AGL/279' MSL.

Industrial plant 3878' from DER, 1124' left of centerline, 100' AGL/283' MSL.

Rwy 23, fence 1201' from DER, 71' left of centerline, 247' MSL.

Terrain 1896' from DER, 864' right of centerline, 282' MSL.

Multiple trees 2733' to 2971' from DER, 692' right of centerline, 59' AGL/303' MSL.

Multiple trees 3005' to 3499' from DER, 641' right of centerline, 95' AGL/343' MSL.

Multiple trees 3504' to 3991' from DER, 340' right of centerline, 93' AGL/339' MSL.

Multiple trees 4003' to 4488' from DER, 453' right of centerline, 66' AGL/329' MSL.

Multiple ballpark lights 5098' from DER, 466' right of centerline, 75' AGL/348' MSL.

Forestry twr 2.2 NM from DER, 3399' right of centerline, 140' AGL/559' MSL.

Multiple trees 1278' to 1761' from DER, 266' left of centerline, 64' AGL/292' MSL.

Multiple trees 2542' to 3644' from DER, 128' left of centerline, 65' AGL/322' MSL.

Multiple trees 3504' to 3887' from DER, 729' left of centerline, 65' AGL/322' MSL.

Multiple trees 4013' to 4908' from DER, 6' left of centerline, 68' AGL/344' MSL.

Multiple trees 5132' to 5713' from DER, 187' left of centerline, 78' AGL/368' MSL.

Pylon and trees 1.3 NM from DER, 1285' left of centerline, 120' AGL/473' MSL.

Twr 5900' from DER, 1750' right of centerline, 54' AGL/374' MSL.

Twr 3 NM from DER, 1.4 NM right of centerline, 220' AGL/746' MSL.

RAEFORD, NC

P K AIRPARK (5W4)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 18NOV10 (10322) (FAA)

TAKEOFF OBSTACLE NOTES:

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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

RALEIGH/DURHAM, NC

RALEIGH-DURHAM INTL (RDU)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 6B 06OCT22 (22279) (FAA)

TAKEOFF MINIMUMS:

Rwy 14, 300-1 or std. w/min. climb of 305' per NM to 700.

Rwy 32, 300-1.

DEPARTURE PROCEDURE:

Rwy 14, climb heading 144° to 1400 before turning right.

Rwy 23L, climb heading 234° to 1900 before turning left.

Rwy 23R, climb heading 234° to 1800 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 5L, lighting 10' from DER, 4' left of centerline, 2' AGL/410' MSL.

Tree 1903' from DER, 986' right of centerline, 467' MSL.

Tree 1926' from DER, 1003' left of centerline, 483' MSL.

Trees beginning 2010' from DER, 912' right of centerline, up to 476' MSL.

Tree 2126' from DER, 1051' left of centerline, 489' MSL.

Trees beginning 3507' from DER, 1269' left of centerline, up to 519' MSL.

Tree 3652' from DER, 1327' left of centerline, 524' MSL.

Trees beginning 3662' from DER, 1372' left of centerline, up to 536' MSL.

Water tower, tank beginning 4044' from DER, 1577' right of centerline, up to 144' AGL/547' MSL.

Tree 5171' from DER, 1748' left of centerline, 541' MSL.

Rwy 5R, lighting beginning 1' from DER, 5' left of centerline, up to 1' AGL/432' MSL.

Lighting beginning 1' from DER, 4' right of centerline, up to 1' AGL/432' MSL.

Tree 1215' from DER, 791' right of centerline, 466' MSL.

Tree 1350' from DER, 760' right of centerline, 471' MSL.

Trees beginning 1480' from DER, 846' right of centerline, up to 481' MSL.

Rwy 14, lighting 10' from DER, 29' right of centerline, 2' AGL/427' MSL.

Lighting 10' from DER, 29' left of centerline, 2' AGL/427' MSL.

Trees beginning 1160' from DER, 758' right of centerline, up to 499' MSL.

Trees beginning 1397' from DER, 856' left of centerline, up to 539' MSL.

Tree 1489' from DER, 772' right of centerline, 510' MSL.

Trees beginning 1602' from DER, 871' right of centerline, up to 528' MSL.

Tree 2033' from DER, 1044' left of centerline, 544' MSL.

Tree 2130' from DER, 968' right of centerline, 540' MSL.

Trees beginning 2271' from DER, 881' left of centerline, up to 546' MSL.

Tree 2328' from DER, 1013' right of centerline, 555' MSL.

Tree 2485' from DER, 876' right of centerline, 556' MSL.

Tree 2560' from DER, 1101' right of centerline, 563' MSL.

Tree 2751' from DER, 1132' right of centerline, 570' MSL.

Tree 3693' from DER, 391' right of centerline, 572' MSL.

Trees beginning 3913' from DER, 154' left of centerline, up to 568' MSL.

Tree 4055' from DER, 657' right of centerline, 578' MSL.

Rwy 23L, lighting 1' from DER, 5' left of centerline, 1' AGL/399' MSL.

Lighting 2' from DER, 5' right of centerline, 1' AGL/399' MSL.

Vegetation 18' from DER, 259' left of centerline, 400' MSL.

Tree 1029' from DER, 757' left of centerline, 431' MSL.

Tree 1361' from DER, 793' left of centerline, 433' MSL.

Tree 1372' from DER, 862' left of centerline, 439' MSL.

Pole 1457' from DER, 878' right of centerline, 105' AGL/452' MSL.

Trees beginning 1469' from DER, 817' left of centerline, up to 451' MSL.

Rwy 23R, lighting 10' from DER, 5' right of centerline, 1' AGL/368' MSL.

Rwy 32, lighting 9' from DER, 29' left of centerline, 2' AGL/433' MSL.

Lighting 9' from DER, 29' right of centerline, 2' AGL/433' MSL.

Pole 1170' from DER, 618' left of centerline, 55' AGL/485' MSL.

Poles beginning 1186' from DER, 626' left of centerline, up to 54' AGL/486' MSL.

Building 1242' from DER, 753' right of centerline, 38' AGL/473' MSL.

Control tower 2228' from DER, 898' right of centerline, 231' AGL/659' MSL.

DIVERSE VECTOR AREA (RADAR VECTORS)

AMDT 1 22JUN17 (17173) (FAA)

Rwy 14, heading as assigned by ATC; requires minimum climb of 310' per NM to 1000.

Rwy 23L, heading as assigned by ATC; requires minimum climb of 250' per NM to 2300.

Rwy 23R, heading as assigned by ATC; requires minimum climb of 240' per NM to 2100.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

REIDSVILLE, NC

ROCKINGHAM COUNTY NC SHILOH (SIF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 27JAN22 (22027) (FAA)

TAKEOFF MINIMUMS:

Rwy 31, 400-2¼ or std. w/min. climb of 558' per NM to 1000.

DEPARTURE PROCEDURE:

Rwy 31, climb on heading 312° to 1200 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 13, trees beginning 27' from DER, 284' left of centerline, up to 51' AGL/703' MSL.
Fence beginning 43' from DER, 490' right of centerline, up to 6' AGL/671' MSL.
Fence 180' from DER, 476' right of centerline, 8' AGL/674' MSL.
Trees beginning 194' from DER, 277' left of centerline, up to 43' AGL/704' MSL.
Trees beginning 295' from DER, 292' left of centerline, up to 60' AGL/727' MSL.
Tree, vehicles on road beginning 311' from DER, 484' right of centerline, up to 71' AGL/738' MSL.
Trees beginning 438' from DER, 1' left of centerline, up to 65' AGL/734' MSL.
Tree, vehicles on road beginning 530' from DER, 460' right of centerline, up to 81' AGL/750' MSL.
Tree, pole, building beginning 660' from DER, 7' right of centerline, up to 93' AGL/758' MSL.
Trees beginning 1465' from DER, 29' right of centerline, up to 93' AGL/759' MSL.
Trees beginning 1542' from DER, 2' right of centerline, up to 101' AGL/762' MSL.
Trees beginning 1768' from DER, 122' left of centerline, up to 79' AGL/741' MSL.
Tree 1913' from DER, 519' left of centerline, 76' AGL/744' MSL.
Trees beginning 1960' from DER, 76' left of centerline, up to 79' AGL/745' MSL.
Trees beginning 1981' from DER, 21' left of centerline, up to 105' AGL/771' MSL.
Rwy 31, tree 37' from DER, 454' right of centerline, 33' AGL/714' MSL.
Terrain 64' from DER, 282' left of centerline, 697' MSL.
Vehicles on road 84' from DER, 139' left of centerline, 711' MSL.
Pole, vehicles on road beginning 117' from DER, 266' left of centerline, up to 729' MSL.
Trees beginning 165' from DER, 346' right of centerline, up to 24' AGL/729' MSL.
Tree, fence, vehicles on road, terrain, building beginning 191' from DER, 21' left of centerline, up to 93' AGL/788' MSL.
Trees beginning 324' from DER, 370' right of centerline, up to 52' AGL/736' MSL.
Trees beginning 499' from DER, 217' right of centerline, up to 48' AGL/738' MSL.
Trees beginning 625' from DER, 15' right of centerline, up to 66' AGL/759' MSL.
Trees beginning 891' from DER, 84' right of centerline, up to 68' AGL/760' MSL.
Tree, vehicles on road beginning 1000' from DER, 8' right of centerline, up to 88' AGL/781' MSL.
Trees beginning 1151' from DER, 68' left of centerline, up to 108' AGL/791' MSL.
Tree, vehicles on road, pole, building beginning 1166' from DER, 1' right of centerline, up to 97' AGL/799' MSL.
Tree, pole beginning 1244' from DER, 25' left of centerline, up to 122' AGL/799' MSL.
Tree, building beginning 1834' from DER, 176' right of centerline, up to 80' AGL/803' MSL.
Tree, building, pole, antenna beginning 1920' from DER, 124' right of centerline, up to 89' AGL/815' MSL.
Tree, building, pole, antenna, terrain beginning 2013' from DER, 18' right of centerline, up to 103' AGL/835' MSL.
Trees beginning 2017' from DER, 16' left of centerline, up to 91' AGL/806' MSL.
Trees beginning 2113' from DER, 62' left of centerline, up to 90' AGL/809' MSL.
Tree, terrain beginning 2216' from DER, 10' right of centerline, up to 101' AGL/848' MSL.
Tree, terrain, vegetation beginning 2233' from DER, 2' left of centerline, up to 101' AGL/831' MSL.
trees beginning 2404' from DER, 4' right of centerline, up to 113' AGL/851' MSL.
Tree, terrain, pole, vegetation, vehicles on road, sign, building beginning 2447' from DER, 0' right of centerline, up to 105' AGL/863' MSL.
Tree, pole beginning 2620' from DER, 6' left of centerline, up to 99' AGL/835' MSL.
Tree, pole, vehicles on road, building beginning 2687' from DER, 1' left of centerline, up to 102' AGL/844' MSL.
Trees beginning 4097' from DER, 84' left of centerline, up to 97' AGL/846' MSL.
Trees beginning 4120' from DER, 193' left of centerline, up to 96' AGL/848' MSL.
Trees beginning 4130' from DER, 78' left of centerline, up to 104' AGL/849' MSL.
Trees beginning 4145' from DER, 134' left of centerline, up to 111' AGL/850' MSL.
Trees beginning 4151' from DER, 1' left of centerline, up to 101' AGL/851' MSL.
Tree, pole, building beginning 4253' from DER, 0' of centerline, up to 101' AGL/878' MSL.
Trees beginning 4437' from DER, 1' left of centerline, up to 112' AGL/852' MSL.
Trees beginning 5289' from DER, 45' left of centerline, up to 123' AGL/853' MSL.
Trees beginning 5376' from DER, 66' left of centerline, up to 107' AGL/857' MSL.
Trees beginning 5419' from DER, 32' left of centerline, up to 99' AGL/865' MSL.
Trees beginning 5548' from DER, 5' left of centerline, up to 92' AGL/877' MSL.
Trees beginning 5600' from DER, 0' left of centerline, up to 79' AGL/879' MSL.
Trees beginning 5626' from DER, 34' left of centerline, up to 85' AGL/888' MSL.
Trees beginning 5641' from DER, 5' left of centerline, up to 87' AGL/894' MSL.
Trees beginning 5654' from DER, 22' left of centerline, up to 91' AGL/900' MSL.
Trees beginning 5737' from DER, 29' left of centerline, up to 84' AGL/906' MSL.
Trees beginning 5826' from DER, 32' left of centerline, up to 89' AGL/910' MSL.
Trees beginning 5865' from DER, 155' left of centerline, up to 110' AGL/928' MSL.
Trees beginning 5966' from DER, 288' left of centerline, up to 90' AGL/941' MSL.
Tree 6066' from DER, 1939' left of centerline, 88' AGL/944' MSL.
Trees beginning 6068' from DER, 373' left of centerline, up to 88' AGL/950' MSL.
Trees beginning 1 NM from DER, 1095' left of centerline, up to 91' AGL/965' MSL.
Trees beginning 1 NM from DER, 11' left of centerline, up to 91' AGL/968' MSL.
Tree 1.1 NM from DER, 451' right of centerline, 98' AGL/879' MSL.

CON'T

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

REIDSVILLE, NC (CON'T)

ROCKINGHAM COUNTY NC SHILOH (SIF) (CON'T)

Rwy 31 (CON'T), trees beginning 1.1 NM from DER, 62' right of centerline, up to 106' AGL/889' MSL.

Trees beginning 1.1 NM from DER, 367' right of centerline, up to 100' AGL/892' MSL.

Trees beginning 1.1 NM from DER, 16' right of centerline, up to 97' AGL/895' MSL.

Trees beginning 1.1 NM from DER, 117' right of centerline, up to 101' AGL/903' MSL.

Trees beginning 1.1 NM from DER, 41' right of centerline, up to 106' AGL/914' MSL.

Tree 1.1 NM from DER, 3' right of centerline, 100' AGL/921' MSL.

Trees beginning 1.1 NM from DER, 60' right of centerline, up to 99' AGL/923' MSL.

Trees beginning 1.2 NM from DER, 85' right of centerline, up to 94' AGL/940' MSL.

Trees beginning 1.2 NM from DER, 4' right of centerline, up to 95' AGL/947' MSL.

Tree, pole, building, vehicles on road beginning 1.2 NM from DER, 112' left of centerline, up to 100' AGL/969' MSL.

Trees beginning 1.2 NM from DER, 28' right of centerline, up to 80' AGL/952' MSL.

Trees beginning 1.2 NM from DER, 6' right of centerline, up to 77' AGL/953' MSL.

Trees beginning 1.2 NM from DER, 269' right of centerline, up to 87' AGL/963' MSL.

Trees beginning 1.2 NM from DER, 28' right of centerline, up to 93' AGL/970' MSL.

Trees beginning 1.3 NM from DER, 100' right of centerline, up to 97' AGL/973' MSL.

Trees beginning 1.3 NM from DER, 1' left of centerline, up to 91' AGL/970' MSL.

Tree, pole beginning 1.3 NM from DER, 12' left of centerline, up to 95' AGL/973' MSL.

Tree, pole beginning 1.3 NM from DER, 7' right of centerline, up to 118' AGL/975' MSL.

Tree, pole beginning 1.4 NM from DER, 10' right of centerline, up to 94' AGL/1004' MSL.

Tree, pole, tank beginning 1.6 NM from DER, 10' right of centerline, up to 101' AGL/1013' MSL.

Tree 1.8 NM from DER, 2909' right of centerline, 102' AGL/977' MSL.

ROANOKE RAPIDS, NC

HALIFAX/NORTHAMPTON RGNL (IXA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 17AUG17 (22027) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 20, tree 100' from DER, 492' left of centerline, 178' MSL.

Tree 1363' from DER, 183' right of centerline, 182' MSL.

Trees beginning 1420' from DER, 27' right of centerline, up to 187' MSL.

Tree 1515' from DER, 29' left of centerline, 179' MSL.

Tree 1696' from DER, 56' left of centerline, 191' MSL.

Tree 1724' from DER, 127' left of centerline, 195' MSL.

Trees beginning 1780' from DER, 70' left of centerline, up to 199' MSL.

Trees beginning 2026' from DER, 151' left of centerline, up to 200' MSL.

Tree 2276' from DER, 77' right of centerline, 199' MSL.

Rwy 2, NAVAJD 39' from DER, 125' right of centerline, 20' AGL/140' MSL.

NAVAJD 40' from DER, 124' left of centerline, 18' AGL/141' MSL.

Tree 1298' from DER, 722' right of centerline, 183' MSL.

ROCK HILL, SC

ROCK HILL/YORK COUNTY/BRYANT FLD (UZA)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 20AUG15 (22139) (FAA)

TAKEOFF OBSTACLE NOTES:

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 30JUN10 (10154) (FAA)

TAKEOFF MINIMUMS:

Rwys 4, 22, NA-Environmental.

TAKEOFF OBSTACLE NOTES:

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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

ROCKY MOUNT, NC

ROCKY MOUNT/WILSON RGNL (RWI)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 05APR12 (21336) (FAA)

DEPARTURE PROCEDURE:

Rwy 22, climb heading 222° to 1200 before turning right.

TAKEOFF OBSTACLE NOTES:

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

RALEIGH RGNL AT PERSON COUNTY (TDF)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 10AUG23 (23222) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 6, light poles 9' from DER, 30' left of centerline, 2' AGL/606' MSL.

Tree 1474' from DER, 815' right of centerline, 645' MSL.

Tree 1606' from DER, 654' left of centerline, 652' MSL.

Trees beginning 1621' from DER, 215' right of centerline, up to 657' MSL.

Trees beginning 1623' from DER, 124' left of centerline, up to 654' MSL.

Trees beginning 2230' from DER, 114' left of centerline, up to 676' MSL.

Tree 2762' from DER, 313' right of centerline, 113' AGL/682' MSL.

Trees beginning 2816' from DER, 235' left of centerline, up to 105' AGL/681' MSL.

Tree 3270' from DER, 1110' right of centerline, 687' MSL.

Rwy 24, trees beginning 436' from DER, 580' right of centerline, up to 642' MSL.

Tree 1003' from DER, 733' right of centerline, 646' MSL.

Tree 1081' from DER, 645' right of centerline, 649' MSL.

Trees beginning 1182' from DER, 643' right of centerline, up to 655' MSL.

Trees beginning 1496' from DER, 886' left of centerline, up to 655' MSL.

Tree 2481' from DER, 1156' right of centerline, 657' MSL.

Trees beginning 2565' from DER, 969' left of centerline, up to 662' MSL.

Tree 2593' from DER, 1142' right of centerline, 673' MSL.

Trees beginning 2600' from DER, 894' right of centerline, up to 676' MSL.

Trees beginning 2702' from DER, 943' right of centerline, up to 677' MSL.

RUTHERFORDTON, NC

RUTHERFORD COUNTY/MARCHMAN FLD (FQD)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 28FEB19 (22195) (FAA)

TAKEOFF MINIMUMS:

Rwy 1, std. w/min. climb of 290' per NM to 2900 or 2900-3 for climb in visual conditions.

DEPARTURE PROCEDURE:

Rwy 1, climbing right turn heading 180° to 4000 before proceeding on course.

Rwy 19, climb heading 189° to 3600 before proceeding on course.

VCOA:

Obtain ATC approval for climb in visual conditions when requesting IFR clearance. Climb in visual conditions to cross Rutherford County/Marchman Fld at or above 3800 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 1, tree, NAVAID beginning 6' from DER, 250' left of centerline, up to 1139' MSL.

Tree 315' from DER, 478' right of centerline, 1151' MSL.

Tree 1985' from DER, 988' right of centerline, 1166' MSL.

Rwy 19, tree 28' from DER, 329' left of centerline, 1080' MSL.

Tree 489' from DER, 455' right of centerline, 26' AGL/1088' MSL.

ST. GEORGE, SC

ST. GEORGE (6J2)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 10APR08 (08101) (FAA)

TAKEOFF OBSTACLE NOTES:

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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SALISBURY, NC

MID-CAROLINA RGNL (RUQ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2A 17AUG17 (17229) (FAA)

TAKEOFF MINIMUMS:

Rwy 20, 400-234 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.

TAKEOFF OBSTACLE NOTES:

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 17DEC09 (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.

TAKEOFF OBSTACLE NOTES:

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 25AUG11 (22195) (FAA)

DEPARTURE PROCEDURE:

Rwy 3, climb heading 029° to 1100 before turning right.

Rwy 21, climb heading 209° to 1500 before turning left.

TAKEOFF OBSTACLE NOTES:

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 3 03NOV22 (22307) (USAF)

TAKEOFF OBSTACLE NOTES:

Rwy 8, trees 3015' from DER, 950' left of centerline, 80' AGL/194' MSL.

SHAW AFB (KSSC)

SUMTER, SC

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 16OCT14 (14289)

TAKEOFF OBSTACLE NOTES:

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 15JAN09 (09015) (FAA)

TAKEOFF OBSTACLE NOTES:

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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SILER CITY, NC

SILER CITY MUNI (SCR)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 08JAN15 (15008) (FAA)

TAKEOFF MINIMUMS:

Rwy 4, 300-1% 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.

TAKEOFF OBSTACLE NOTES:

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 LIBERTY, NC

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 15JUN23 (23222) (USA)

TAKOFF MINIMUMS:

Rwy 9, std w/min climb of 230'/NM to 1400.

Rwy 27, 400-2% or std w/min climb of 230'/NM to 700.

DEPARTURE PROCEDURE:

Rwy 27, climb hdg 273° to 800 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 9, tree 1059' from DER, 407' left of centerline, 268' MSL.

Tree 1436' from DER, 601' left of centerline, 295' MSL.

Tree 1842' from DER, 68' right of centerline, 288' MSL.

Tree 2073' from DER, 473' right of centerline, 300' MSL.

Tree 2134' from DER, 676' right of centerline, 300' MSL.

Rwy 27, twr 1.9 NM from DER, 3589' right of centerline, 313' AGL/584' MSL.

Tree 923' from DER, 208' left of centerline, 329' MSL.

Fence 229' from DER, 9' left of centerline, 251' MSL.

Fence 78' from DER, 3259' left of centerline, 247' MSL.

Military road 33' from DER, 359' left of centerline, 252' MSL.

Public road 545' from DER, 408' left of centerline, 259' MSL.

Railroad 372' from DER, 9' left of centerline, 270' MSL.

SMITHFIELD, NC

JOHNSTON RGNL (JNX)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 4 30APR15 (15120) (FAA)

TAKEOFF MINIMUMS:

Rwy 3, 300-1% or std. w/ min climb of 265' per NM to 500.

Rwy 21, 500-2% 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.

TAKEOFF OBSTACLE NOTES:

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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SPARTANBURG, SC

SPARTANBURG DOWNTOWN MEML/SIMPSON FLD (SPA)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
AMDT 2 28FEB19 (21168) (FAA)

TAKEOFF OBSTACLE NOTES:

Rwy 5, trees beginning 622' from DER, 608' left of centerline, up to 830' MSL.

Tree 2352' from DER, 996' left of centerline, 856' MSL.

Rwy 23, trees beginning 122' from DER, 444' left of centerline, up to 825' MSL.

Tree 3391' from DER, 1033' right of centerline, 897' MSL.

Tree 3478' from DER, 208' left of centerline, 884' MSL.

Trees beginning 3504' from DER, 360' right of centerline, up to 901' MSL.

STAR, NC

MONTGOMERY COUNTY (43A)
TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
ORIG 18SEP14 (14261) (FAA)

TAKEOFF MINIMUMS:

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

TAKEOFF OBSTACLE NOTES:

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
AMDT 1 30NOV23 (23334) (FAA)

TAKEOFF MINIMUMS:

Rwy 28, 300-1¼ or std w/min climb of 205'/NM to 1300.

TAKEOFF OBSTACLE NOTES:

Rwy 10, tree 409' from DER, 566' left of centerline, 982' MSL.

Trees beginning 498' from DER, 114' right of centerline, up to 988' MSL.

Trees beginning 668' from DER, 315' left of centerline, up to 985' MSL.

Tree 726' from DER, 662' left of centerline, 990' MSL.

Trees beginning 829' from DER, 72' left of centerline, up to 1005' MSL.

Trees beginning 1020' from DER, 583' right of centerline, up to 91' AGL/1023' MSL.

Trees beginning 1486' from DER, 197' left of centerline, up to 110' AGL/1006' MSL.

Tree 1529' from DER, 426' left of centerline, 1015' MSL.

Trees beginning 1541' from DER, 278' left of centerline, up to 1016' MSL.

Trees beginning 1591' from DER, 634' left of centerline, up to 103' AGL/1024' MSL.

Rwy 28, vehicle on roadway 17' from DER, 330' left of centerline, 964' MSL.

Building 257' from DER, 533' right of centerline, 971' MSL.

Trees beginning 455' from DER, 535' right of centerline, up to 1025' MSL.

Trees beginning 806' from DER, 408' left of centerline, up to 1009' MSL.

Tree 1763' from DER, 888' right of centerline, 1028' MSL.

Trees beginning 1779' from DER, 556' right of centerline, up to 1030' MSL.

Trees beginning 1871' from DER, 475' right of centerline, up to 1049' MSL.

Trees beginning 2036' from DER, 752' right of centerline, up to 1057' MSL.

Transmission line 1.3 NM from DER, 707' right of centerline, 147' AGL/1172' MSL.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SUMMERVILLE, SC

SUMMERVILLE (DYB)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 01FEB18 (18032) (FAA)

DEPARTURE PROCEDURE:

Rwy 6, climb heading 056° to 600 before turning left.

TAKEOFF OBSTACLE NOTES:

Rwy 6, lighting 10' from DER, 15' right of centerline, 1' AGL/54' MSL.

Tree, 22' from DER, 471' left of centerline, 66' MSL.

Vehicles on perimeter road crossing centerline, 500' from DER, 15' AGL/61' MSL.

Building 283' from DER, 563' left of centerline, 77' MSL.

Tree 481' from DER, 566' right of centerline, 109' MSL.

Tree 524' from DER, 433' left of centerline, 109' MSL.

Trees, beginning 552' from DER, 444' right of centerline, up to 115' MSL.

Trees, beginning 595' from DER, 1' left of centerline, up to 127' MSL.

Trees, beginning 663' from DER, 394' right of centerline, up to 130' MSL.

Trees, beginning 1040' from DER, on centerline, up to 137' MSL.

Trees, beginning 2360' from DER, 69' right of centerline, up to 139' MSL.

Rwy 24, trees, beginning 0' from DER, 357' right of centerline, up to 92' AGL/116' MSL.

Trees, beginning 82' from DER, 21' left of centerline, up to 17' AGL/41' MSL.

Tree 922' from DER, 667' left of centerline, 87' MSL.

Trees, beginning 1018' from DER, 627' left of centerline, up to 91' MSL.

Tree 1187' from DER, 813' left of centerline, 93' MSL.

Trees, beginning 1303' from DER, 622' left of centerline, up to 95' MSL.

Trees, beginning 1452' from DER, 627' left of centerline, up to 101' MSL.

Trees, beginning 1552' from DER, 578' left of centerline, up to 104' MSL.

Trees, beginning 1979' from DER, 938' left of centerline, up to 105' MSL.

Tree 2115' from DER, 822' left of centerline, 108' MSL.

Trees, beginning 2118' from DER, 507' left of centerline, up to 111' MSL.

SUMTER, SC

SUMTER (SMS)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1A 10AUG23 (23222) (FAA)

TAKEOFF MINIMUMS:

Rwys 14, 32, NA-VFR only.

Rwy 23, std w/min climb of 235'/NM to 800, or 1000-3 for VCOA.

VCOA:

Rwy 23, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Sumter airport at or above 1000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

Rwy 23, tree 117' from DER, 210' right of centerline, 188' MSL.

Trees beginning 1745' from DER, 580' right of centerline, up to 265' MSL.

Tree 2876' from DER, 560' left of centerline, 251' MSL.

SYLVA, NC

JACKSON COUNTY (24A)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG-A 03NOV22 (22307) (FAA)

TAKEOFF MINIMUMS:

Rwy 15, std. w/min. climb of 548 feet per NM to 5100 or 3300-3 for VCOA.

Rwy 33, std. w/min. climb of 355 feet per NM to 6400 or 3300-3 for VCOA.

DEPARTURE PROCEDURE:

Rwy 15, climb on heading 147° to 6100 before proceeding on course.

Rwy 33, climb on heading 327° to 6400 before proceeding on course.

VCOA:

Rwys 15, 33, obtain ATC approval for VCOA when requesting IFR clearance. Climb in visual conditions to cross Jackson County airport at or above 6000 before proceeding on course.

TAKEOFF OBSTACLE NOTES:

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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

TARBORO, NC

TARBORO-EDGEcombe (ETC)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 30DEC21 (21364) (FAA)

DEPARTURE PROCEDURE:

Rwy 9, climb on heading 092° to 500 before turning right

TAKEOFF OBSTACLE NOTES:

Rwy 9, lighting 10' from DER, 104' right of centerline, 46' MSL.

Fence 69' from DER, 255' right of centerline, 8' AGL/49' MSL.

Trees beginning 132' from DER, 35' left of centerline, up to 39' AGL/78' MSL.

Trees beginning 768' from DER, 152' right of centerline, up to 36' AGL/72' MSL.

Tree 835' from DER, 7' right of centerline, 40' AGL/75' MSL.

Trees beginning 835' from DER, 88' right of centerline, up to 45' AGL/80' MSL.

Trees beginning 891' from DER, 9' left of centerline, up to 80' MSL.

Trees beginning 919' from DER, 12' right of centerline, up to 48' AGL/90' MSL.

Trees beginning 1781' from DER, 696' right of centerline, up to 123' MSL.

Tree 1929' from DER, 1010' right of centerline, 135' MSL.

Trees beginning 1988' from DER, 593' right of centerline, up to 147' MSL.

Tree 2073' from DER, 821' right of centerline, 116' AGL/149' MSL.

Trees beginning 2101' from DER, 20' right of centerline, up to 152' MSL.

Trees beginning 2433' from DER, 54' left of centerline, up to 90' AGL/126' MSL.

Trees beginning 2856' from DER, 992' left of centerline, up to 133' MSL.

Rwy 27, trees, pole beginning 6' from DER, 266' left of centerline, up to 126' MSL.

Trees, buildings, poles, vehicles on road beginning 9' from DER, crossing extended centerline, up to 119' MSL.

Trees, poles, vehicles on road beginning 53' from DER, 19' left of centerline, up to 80' AGL/135' MSL.

Trees beginning 1599' from DER, 25' right of centerline, up to 65' AGL/121' MSL.

Trees beginning 1734' from DER, 176' right of centerline, up to 75' AGL/127' MSL.

Trees beginning 1801' from DER, 22' right of centerline, up to 144' MSL.

Trees beginning 1977' from DER, 8' right of centerline, up to 155' MSL.

Tree 3887' from DER, 1471' left of centerline, 157' MSL.

Tree 3962' from DER, 1217' left of centerline, 161' MSL.

Tree 3984' from DER, 976' left of centerline, 165' MSL.

Tree 4429' from DER, 1216' left of centerline, 171' MSL.

Trees beginning 4441' from DER, 1149' left of centerline, up to 172' MSL.

Trees beginning 4570' from DER, 1374' left of centerline, up to 184' MSL.

Trees beginning 4625' from DER, 1272' left of centerline, up to 187' MSL.

Trees beginning 4714' from DER, 1167' left of centerline, up to 188' MSL.

UNION, SC

UNION COUNTY, TROY SHELTON FLD (35A)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 1 22AUG13 (22195) (FAA)

TAKEOFF OBSTACLE NOTES:

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 FLD (AFP)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 3 03NOV22 (22307) (FAA)

TAKEOFF MINIMUMS:

Rwy 16, 300-1% or std. w/min. climb of 211' per NM to 700, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 1500' prior to DER.

DEPARTURE PROCEDURE:

Rwy 16, climb on heading 162° to 800 before turning right.

TAKEOFF OBSTACLE NOTES:

Rwy 16, trees beginning 3' from DER, 297' left of centerline, up to 26' AGL/321' MSL.

Tree 62' from DER, 270' right of centerline, 306' MSL.

Terrain 89' from DER, 477' right of centerline, 311' MSL.

Vegetation, terrain, tree beginning 103' from DER, 328' right of centerline, up to 315' MSL.

Trees beginning 331' from DER, 460' left of centerline, up to 350' MSL.

Trees beginning 443' from DER, 153' left of centerline, up to 372' MSL.

Traverse way 1321' from DER, 574' right of centerline, 330' MSL.

Traverse way 1338' from DER, 806' right of centerline, 331' MSL.

Tree 1740' from DER, 616' right of centerline, 350' MSL.

Tree 1804' from DER, 862' right of centerline, 359' MSL.

Tree 1828' from DER, 698' right of centerline, 364' MSL.

Pole 1848' from DER, 970' right of centerline, 366' MSL.

Trees beginning 1900' from DER, 773' right of centerline, up to 395' MSL.

Tree, electrical system, transmission line beginning 2033' from DER, 109' left of centerline, up to 389' MSL.

Tree, pole, electrical system, transmission line beginning 2212' from DER, 565' right of centerline, up to 409' MSL.

Trees beginning 2828' from DER, 673' left of centerline, up to 390' MSL.

Trees beginning 2932' from DER, 511' left of centerline, up to 399' MSL.

CON'T

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

WADESBORO, NC (CON'T)

ANSON COUNTY/JEFF CLOUD FLD (AFP) (CON'T)

Rwy 16 (CON'T), trees beginning 3356' from DER, 96' left of centerline, up to 406' MSL.
 Trees beginning 3666' from DER, 538' right of centerline, up to 410' MSL.
 Trees beginning 3944' from DER, 592' right of centerline, up to 418' MSL.
 Trees beginning 4159' from DER, 93' left of centerline, up to 85' AGL/412' MSL.
 Trees beginning 4208' from DER, 116' left of centerline, up to 92' AGL/413' MSL.
 Trees beginning 4377' from DER, 150' left of centerline, up to 89' AGL/419' MSL.
 Trees beginning 4576' from DER, 514' right of centerline, up to 421' MSL.
 Trees beginning 4799' from DER, 290' right of centerline, up to 89' AGL/423' MSL.
 Tree 4880' from DER, 527' right of centerline, 85' AGL/424' MSL.
 Tree 4887' from DER, 572' right of centerline, 428' MSL.
 Trees beginning 4893' from DER, 474' right of centerline, up to 91' AGL/429' MSL.
 Tree 4950' from DER, 533' right of centerline, 93' AGL/432' MSL.
 Trees beginning 4961' from DER, 88' right of centerline, up to 435' MSL.
 Tree 1.5 NM from DER, 1724' left of centerline, 91' AGL/543' MSL.
Rwy 34, trees beginning 15' from DER, 179' right of centerline, up to 13' AGL/305' MSL.
 Trees beginning 100' from DER, 311' left of centerline, up to 313' MSL.
 Trees beginning 117' from DER, 307' right of centerline, up to 52' AGL/331' MSL.
 Trees beginning 341' from DER, 232' right of centerline, up to 368' MSL.
 Trees beginning 428' from DER, 317' left of centerline, up to 321' MSL.
 Trees beginning 537' from DER, 313' left of centerline, up to 352' MSL.
 Tree, traverse way beginning 704' from DER, 7' left of centerline, up to 372' MSL.
 Trees beginning 1191' from DER, 343' right of centerline, up to 369' MSL.
 Trees beginning 1263' from DER, 12' right of centerline, up to 380' MSL.
 Trees beginning 1431' from DER, 9' left of centerline, up to 65' AGL/373' MSL.
 Trees beginning 1438' from DER, 4' left of centerline, up to 70' AGL/377' MSL.
 Trees beginning 1502' from DER, 7' left of centerline, up to 396' MSL.
 Trees beginning 1631' from DER, 9' left of centerline, up to 401' MSL.
 Trees beginning 1821' from DER, 12' left of centerline, up to 100' AGL/416' MSL.
 Trees beginning 2289' from DER, 89' right of centerline, up to 381' MSL.
 Tree, tank beginning 2517' from DER, 148' right of centerline, up to 384' MSL.
 Stack, tree, tank, building beginning 2616' from DER, 230' right of centerline, up to 385' MSL.
 Trees beginning 2901' from DER, 38' right of centerline, up to 394' MSL.
 Trees beginning 3243' from DER, 132' right of centerline, up to 409' MSL.
 Trees beginning 3334' from DER, 1216' right of centerline, up to 113' AGL/416' MSL.

WALLACE, NC

HENDERSON FLD (ACZ)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
 ORIG 12MAR09 (22195) (FAA)

TAKEOFF MINIMUMS:

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

TAKEOFF OBSTACLE NOTES:

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 FLD (N63)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES
 AMDT 2 15NOV12 (21252) (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 Fld airport at or above 2300 before proceeding on course. When executing VCOA, notify ATC prior to departure.

TAKEOFF OBSTACLE NOTES:

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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

WALTERBORO, SC

LOW COUNTRY RGNL (RBW)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 02MAY13 (13122) (FAA)

TAKEOFF OBSTACLE NOTES:

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.

Trees beginning 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 1B 20JUN19 (19171) (FAA)

TAKEOFF MINIMUMS:

Rwy 23, 300-1 or std. w/min. climb of 250' per NM to 300.

DEPARTURE PROCEDURE:

Rwys 17, 23, 35, climb runway heading to 400 before turning.

TAKEOFF OBSTACLE NOTES:

Rwy 5, vehicles on road 223' from DER, 397' left of centerline, 53' MSL.

Tree 650' from DER, 322' left of centerline, 136' MSL.

Trees beginning 954' from DER, 575' left of centerline, up to 146' MSL.

Tree 1825' from DER, 634' right of centerline, 155' MSL.

Rwy 17, trees beginning 19' from DER, 374' right of centerline, up to 108' MSL.

Tree 1774' from DER, 409' left of centerline, 103' MSL.

Tree 1885' from DER, 382' left of centerline, 112' MSL.

Tree 4174' from DER, 1230' left of centerline, 159' MSL.

Rwy 23, tree 32' from DER, 474' left of centerline, 63' MSL.

Tree 353' from DER, 391' right of centerline, 60' MSL.

Tree 529' from DER, 408' right of centerline, 61' MSL.

Trees beginning 1455' from DER, 88' left of centerline, up to 77' MSL.

Tree 1698' from DER, 625' left of centerline, 87' MSL.

Tree 1711' from DER, 853' right of centerline, 101' MSL.

Tower 5339' from DER, 580' left of centerline, 157' AGL/170' MSL.

Rwy 35, vehicles on road 287' from DER, 393' right of centerline, 51' MSL.

Tree 345' from DER, 437' right of centerline, 121' MSL.

Trees 799' from DER, 420' left of centerline, 106' MSL.

Trees beginning 1206' from DER, 161' left of centerline, up to 145' MSL.

Trees beginning 1622' from DER, 37' left of centerline, up to 148' MSL.

Tree 2134' from DER, 565' right of centerline, 137' MSL.

Tree 2839' from DER, 335' right of centerline, 143' MSL.

WAXHAW, NC

JAARS-TOWNSEND (N52)

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

ORIG 12MAR09 (09071) (FAA)

TAKEOFF MINIMUMS:

Rwy 4, 300-1 or std. w/ min. climb of 255' per NM to 900, or alternatively, with std. takeoff minimums and a normal 200' per NM climb gradient, takeoff must occur no later than 2200' prior to DER.

TAKEOFF OBSTACLE NOTES:

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 02JUL09 (09183) (FAA)

TAKEOFF OBSTACLE NOTES:

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.

TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

SE-2


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

WILLIAMSTON, NC**MARTIN COUNTY (MCZ)****TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

ORIG-A 10AUG23 (23222) (FAA)

TAKEOFF OBSTACLE NOTES:**Rwy 3**, trees beginning 5' from DER, 400' right of centerline, up to 118' MSL.

Tree 748' from DER, 640' left of centerline, 109' MSL.

Trees beginning 819' from DER, 519' left of centerline, up to 114' MSL.

Trees beginning 877' from DER, 384' left of centerline, up to 122' MSL.

Tree 1412' from DER, 530' left of centerline, 127' MSL.

Trees beginning 1600' from DER, 573' right of centerline, up to 127' MSL.

Tree 1940' from DER, 996' left of centerline, 147' MSL.

Tree 1994' from DER, 1017' right of centerline, 129' MSL.

Trees beginning 2017' from DER, 924' left of centerline, up to 149' MSL.

Trees beginning 2023' from DER, 492' right of centerline, up to 152' MSL.

Tree 3058' from DER, 123' left of centerline, 154' MSL.

Trees beginning 3075' from DER, 62' left of centerline, up to 158' MSL.

Trees beginning 3255' from DER, 23' left of centerline, up to 172' MSL.

Tree 3283' from DER, 15' right of centerline, 169' MSL.

Trees beginning 3443' from DER, 206' left of centerline, up to 174' MSL.

Tree 3787' from DER, 408' right of centerline, 172' MSL.

Trees beginning 3900' from DER, 427' right of centerline, up to 174' MSL.

Tree 4018' from DER, 396' right of centerline, 178' MSL.

Rwy 21, tree 3' from DER, 338' right of centerline, 86' MSL.

Tree 37' from DER, 374' left of centerline, 82' MSL.

Tree, traverse way beginning 88' from DER, 157' left of centerline, up to 132' MSL.

Trees beginning 92' from DER, 222' right of centerline, up to 109' MSL.

Tree 148' from DER, 367' right of centerline, 154' MSL.

Trees beginning 171' from DER, 311' right of centerline, up to 157' MSL.

Tree, building, pole beginning 357' from DER, 25' right of centerline, up to 165' MSL.

Trees beginning 1148' from DER, 4' left of centerline, up to 137' MSL.

Trees beginning 2478' from DER, 754' left of centerline, up to 147' MSL.

WILMINGTON, NC**WILMINGTON INTL(ILM)****TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

AMDT 1 10MAY07 (07130) (FAA)

TAKEOFF OBSTACLE NOTES:**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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

SE-2


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

WILSON, NC**WILSON INDUSTRIAL AIR CENTER (W03)****TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

AMDT 1 08NOV18 (18312) (FAA)

DEPARTURE PROCEDURE:**Rwys 3, 9**, climbing left turn on heading 330° to 2500 before proceeding on course.**Rwys 15, 21**, climbing right turn on heading 260° to 2500 before proceeding on course.**Rwy 27**, climbing left turn on heading 260° to 2500 before proceeding on course.**Rwy 33**, climb heading 338° to 2300 before turning left.**TAKEOFF OBSTACLE NOTES:****Rwy 3**, trees beginning 140' from DER, 425' right of centerline, up to 174' MSL.

Trees beginning 503' from DER, 487' right of centerline, up to 177' MSL.

Vegetation 575' from DER, 577' left of centerline, 176' MSL.

Trees beginning 600' from DER, 534' right of centerline, up to 178' MSL.

Trees beginning 808' from DER, 515' right of centerline, up to 189' MSL.

Tree 908' from DER, 724' left of centerline, 196' MSL.

Trees beginning 1031' from DER, 605' left of centerline, up to 199' MSL.

Trees beginning 1101' from DER, 658' left of centerline, up to 206' MSL.

Trees beginning 1182' from DER, 564' left of centerline, up to 209' MSL.

Tree 1699' from DER, 687' left of centerline, 211' MSL.

Trees beginning 1719' from DER, 568' left of centerline, up to 222' MSL.

Trees beginning 1856' from DER, 619' left of centerline, up to 233' MSL.

Tree 2194' from DER, 1073' right of centerline, 211' MSL.

Tree 2251' from DER, 884' left of centerline, 236' MSL.

Tree 2615' from DER, 1103' left of centerline, 243' MSL.

Tree 2615' from DER, 400' right of centerline, 222' MSL.

Trees beginning 2651' from DER, 549' left of centerline, up to 249' MSL.

Rwy 9, tree 9' from DER, 473' left of centerline, 169' MSL.

Tree 17' from DER, 265' left of centerline, 170' MSL.

Trees beginning 50' from DER, 257' left of centerline, up to 173' MSL.

Tree, pole beginning 69' from DER, 70' right of centerline, up to 197' MSL.

Tree 283' from DER, 291' left of centerline, 176' MSL.

Tree 318' from DER, 534' left of centerline, 177' MSL.

Trees beginning 328' from DER, 317' left of centerline, up to 178' MSL.

Trees beginning 414' from DER, 90' left of centerline, up to 182' MSL.

Trees beginning 418' from DER, 68' left of centerline, up to 184' MSL.

Trees beginning 490' from DER, 174' left of centerline, up to 185' MSL.

Trees beginning 533' from DER, 9' left of centerline, up to 188' MSL.

Trees beginning 611' from DER, 81' left of centerline, up to 189' MSL.

Trees beginning 670' from DER, 35' left of centerline, up to 195' MSL.

Trees beginning 679' from DER, 35' right of centerline, up to 208' MSL.

Trees beginning 720' from DER, 23' left of centerline, up to 199' MSL.

Tree 863' from DER, 422' left of centerline, 203' MSL.

Trees beginning 872' from DER, 22' left of centerline, up to 215' MSL.

Trees beginning 919' from DER, 126' left of centerline, up to 225' MSL.

Trees beginning 1004' from DER, 60' right of centerline, up to 231' MSL.

Trees beginning 1006' from DER, 30' left of centerline, up to 236' MSL.

Trees beginning 1104' from DER, 12' right of centerline, up to 239' MSL.

Trees beginning 1281' from DER, 113' right of centerline, up to 254' MSL.

Trees beginning 2121' from DER, 527' right of centerline, up to 258' MSL.

Rwy 15, trees beginning 4' from DER, 253' right of centerline, up to 178' MSL.

Trees beginning 126' from DER, 466' left of centerline, up to 179' MSL.

Trees beginning 150' from DER, 247' right of centerline, up to 190' MSL.

Trees beginning 179' from DER, 325' left of centerline, up to 188' MSL.

Trees beginning 287' from DER, 304' left of centerline, up to 190' MSL.

Trees beginning 317' from DER, 68' left of centerline, up to 197' MSL.

Trees beginning 463' from DER, 39' left of centerline, up to 200' MSL.

Trees beginning 513' from DER, 19' right of centerline, up to 192' MSL.

Trees beginning 516' from DER, 42' left of centerline, up to 203' MSL.

Trees beginning 552' from DER, 3' right of centerline, up to 202' MSL.

Trees beginning 555' from DER, 2' left of centerline, up to 205' MSL.

Tree 1115' from DER, 434' left of centerline, 206' MSL.

Tree 1310' from DER, 356' left of centerline, 211' MSL.

Tree 2460' from DER, 565' right of centerline, 245' MSL.

Tree 3075' from DER, 642' left of centerline, 258' MSL.

CON'T

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

WILSON, NC (CON'T)**WILSON INDUSTRIAL AIR CENTER (W03) (CON'T)****Rwy 21**, trees beginning 33' from DER, 422' right of centerline, up to 174' MSL.

Trees beginning 98' from DER, 355' right of centerline, up to 192' MSL.

Tree 204' from DER, 523' left of centerline, 178' MSL.

Trees beginning 371' from DER, 448' left of centerline, up to 190' MSL.

Trees beginning 705' from DER, 468' right of centerline, up to 199' MSL.

Trees beginning 924' from DER, 515' right of centerline, up to 207' MSL.

Trees beginning 1214' from DER, 378' left of centerline, up to 195' MSL.

Trees beginning 1269' from DER, 536' right of centerline, up to 213' MSL.

Trees beginning 1316' from DER, 574' left of centerline, up to 196' MSL.

Tree 1420' from DER, 613' left of centerline, 201' MSL.

Trees beginning 1537' from DER, 546' right of centerline, up to 239' MSL.

Trees beginning 1638' from DER, 483' right of centerline, up to 257' MSL.

WINNSBORO, SC**FAIRFIELD COUNTY (FDW)****TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

AMDT 1 07DEC17 (17341) (FAA)

TAKEOFF OBSTACLE NOTES:**Rwy 4**, tree 63' from DER, 468' right of centerline, 601' MSL.

Tree 883' from DER, 586' left of centerline, 605' MSL.

Tree 953' from DER, 644' right of centerline, 615' MSL.

Tree 1213' from DER, 709' right of centerline, 630' MSL.

Tree 1488' from DER, 636' right of centerline, 637' MSL.

Tree 1576' from DER, 909' left of centerline, 621' MSL.

Tree 1583' from DER, 738' left of centerline, 627' MSL.

Trees, beginning 1659' from DER, 767' right of centerline, up to 644' MSL.

Rwy 22, tree 452' from DER, 547' right of centerline, 601' MSL.

Trees, beginning 715' from DER, 536' right of centerline, up to 610' MSL.

Tree 921' from DER, 716' right of centerline, 617' MSL.

Trees, beginning 1185' from DER, 516' right of centerline, up to 619' MSL.

Tree 1447' from DER, 603' right of centerline, 622' MSL.

Trees, beginning 1607' from DER, 727' right of centerline, up to 626' MSL.

Trees, beginning 2102' from DER, 602' left of centerline, up to 650' MSL.

WINSTON SALEM, NC**SMITH REYNOLDS (INT)****TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES**

AMDT 6 15JAN09 (23166) (FAA)

TAKEOFF MINIMUMS:**Rwy 22**, 500-2% or std. with a min. climb of 330' per NM to 1600.**TAKEOFF OBSTACLE NOTES:****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.

22 FEB 2024 to 21 MAR 2024

22 FEB 2024 to 21 MAR 2024


**TAKEOFF MINIMUMS (OBSTACLE) DEPARTURE PROCEDURES, AND
DIVERSE VECTOR AREA (RADAR VECTORS)**


24025

SE-2

BANKR FOUR ARRIVAL (RNAV) AL-78 (FAA)

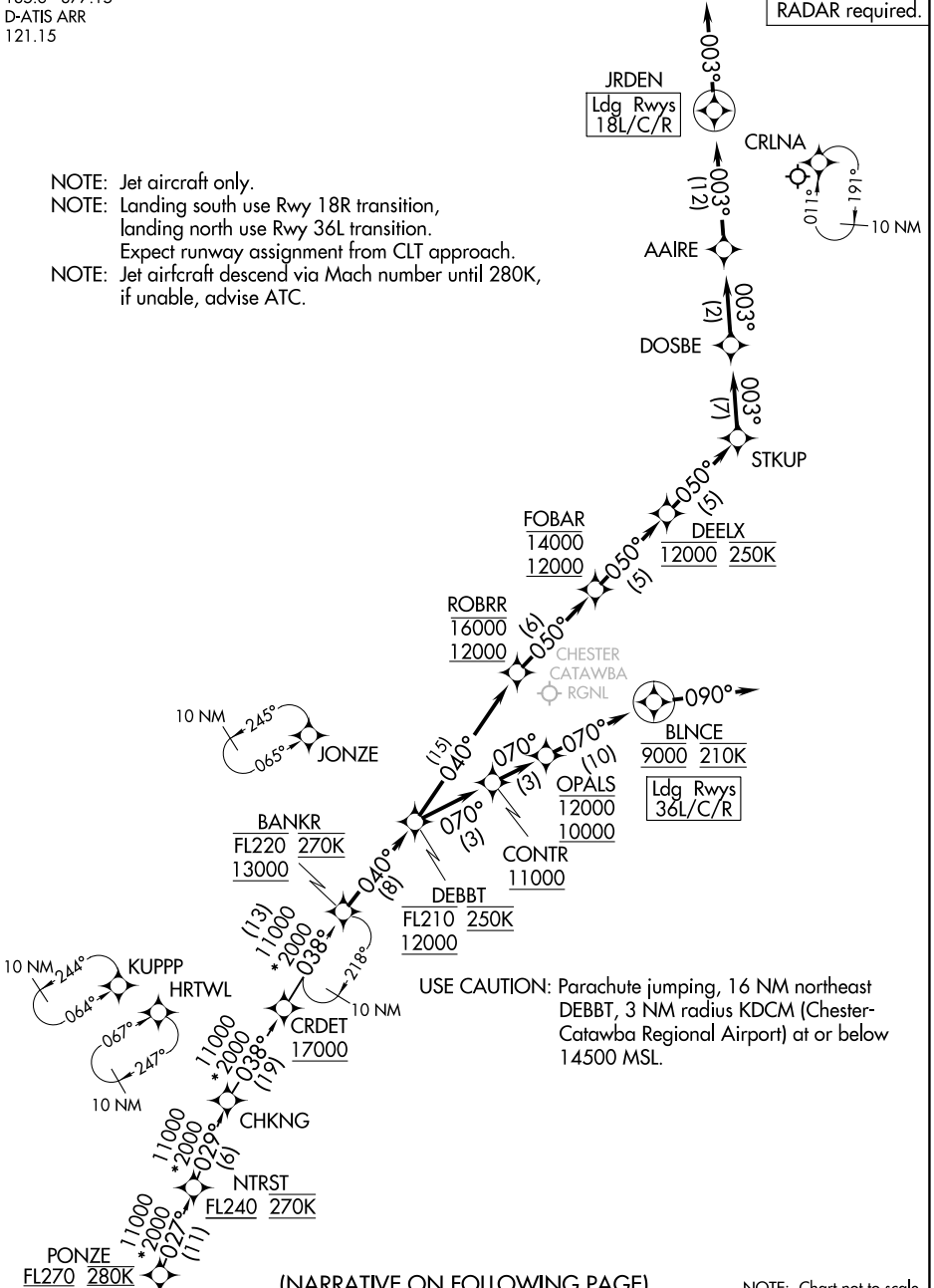
CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

CHARLOTTE APP CON
135.6 377.15
D-ATIS ARR
121.15

RNAV 1 - DME/DME/IRU or GPS.

RADAR required.

- NOTE: Jet aircraft only.
- NOTE: Landing south use Rwy 18R transition, landing north use Rwy 36L transition.
- NOTE: Expect runway assignment from CLT approach.
- NOTE: Jet aircraft descend via Mach number until 280K, if unable, advise ATC.



(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

BANKR FOUR ARRIVAL (RNAV)

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

ARRIVAL ROUTE DESCRIPTION

PONZE TRANSITION (PONZE.BANKR4)

From BANKR on track 040° to cross DEBBT between 12000 and FL210 and at 250K.

LANDING RUNWAYS 18L/C/R: From DEBBT on track 040° to cross ROBRR between 12000 and 16000, then on track 050° to cross FOBAR between 12000 and 14000, then on track 050° to cross DEELX at 12000 and at 250K, then on track 050° to STKUP, then on track 003° to DOSBE, then on track 003° to AAIRE, then on track 003° to JRDEN, then on track 003°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 36L/C/R: From DEBBT on track 070° to cross CONTR at or above 11000, then on track 070° to cross OPALS between 10000 and 12000, then on track 070° to cross BLNCE at 9000 and at 210K, then on heading 090°. Expect RADAR vectors to final approach course.

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

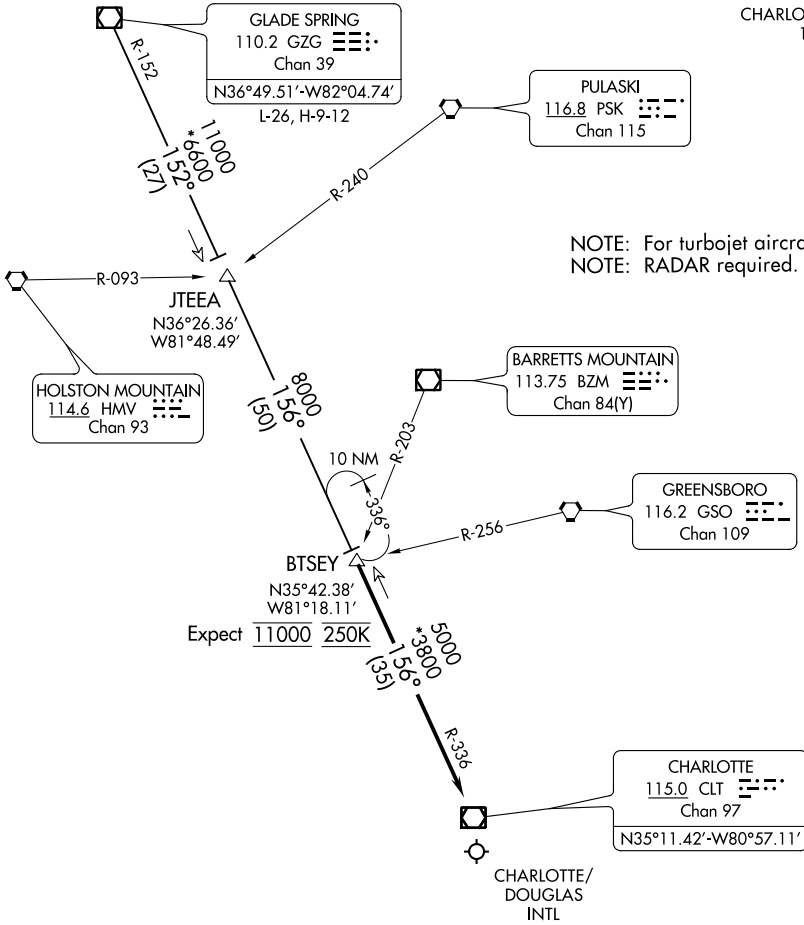
(BTSEY.BTSEY2) 22307

BTSEY TWO ARRIVAL

AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

CHARLOTTE APP CON
125.35 257.2
D-ATIS ARR
121.15



NOTE: For turbojet aircraft only.
NOTE: RADAR required.

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

GLADE SPRINGS TRANSITION (GZG.BTSEY2): From over GZG VOR/DME on GZG R-152 to JTEEA, then on CLT R-336 to BTSEY. Thence
. . . . from BTSEY on CLT R-336 to CLT VOR/DME. Expect RADAR vectors to final approach course prior to CLT VOR/DME.

BTSEY TWO ARRIVAL
(BTSEY.BTSEY2) 31MAR16

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

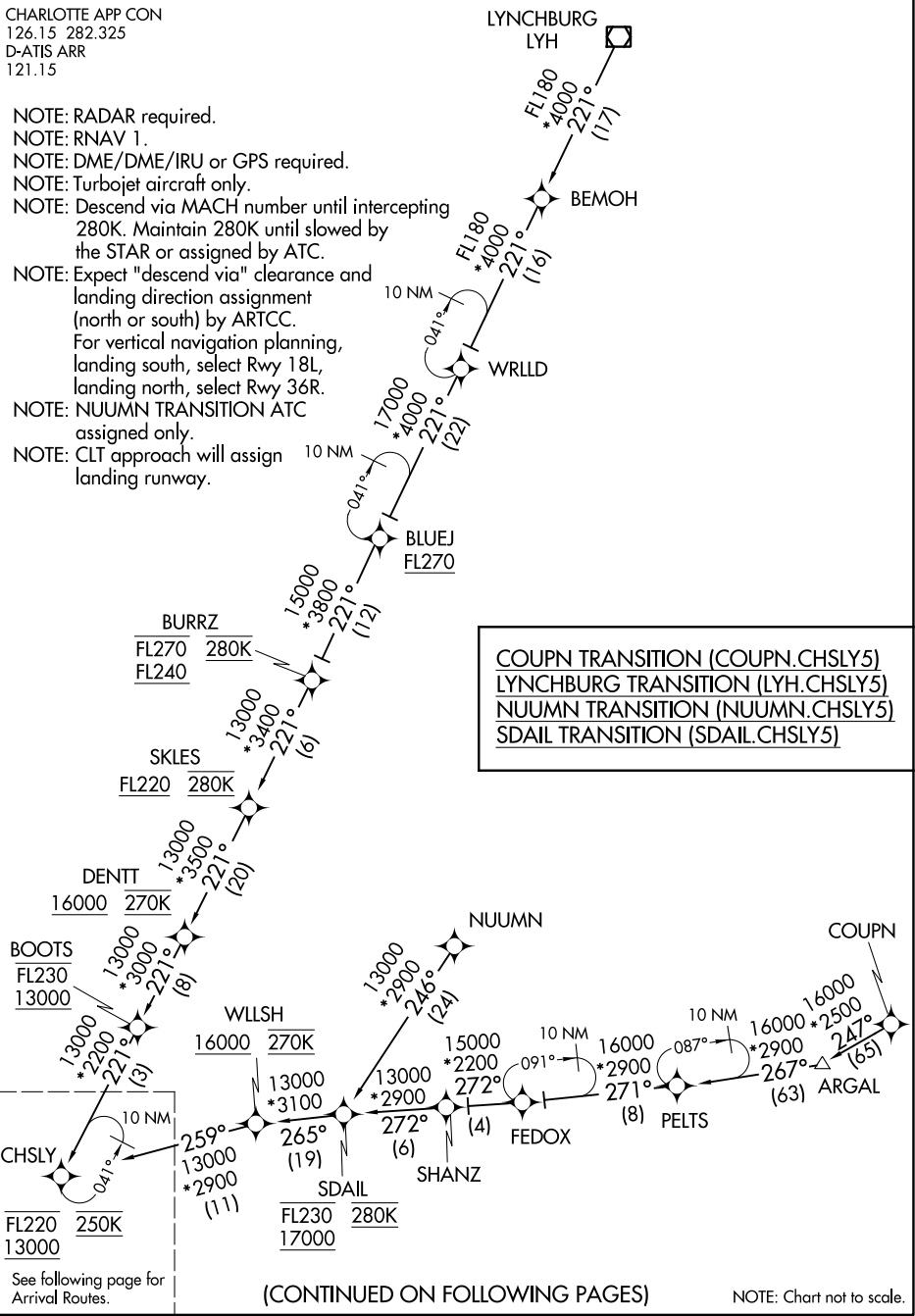
SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

CHSLY FIVE ARRIVAL (RNAV) Transition Routes

CHARLOTTE APP CON
126.15 282.325
D-ATIS ARR
121.15

- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet aircraft only.
- NOTE: Descend via MACH number until intercepting 280K. Maintain 280K until slowed by the STAR or assigned by ATC.
- NOTE: Expect "descend via" clearance and landing direction assignment (north or south) by ARTCC.
- NOTE: For vertical navigation planning, landing south, select Rwy 18L, landing north, select Rwy 36R.
- NOTE: NUUMN TRANSITION ATC assigned only.
- NOTE: CLT approach will assign landing runway.



See following page for Arrival Routes.

(CONTINUED ON FOLLOWING PAGES)

NOTE: Chart not to scale.

CHSLY FIVE ARRIVAL (RNAV) Transition Routes

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

(CHSLY.CHSLY5) 23166

CHSLY FIVE ARRIVAL (RNAV)

AL-78 (FAA)

Arrival Routes

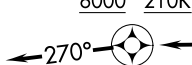
CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA

CHARLOTTE APP CON
126.15 282.325
D-ATIS ARR
121.15

CHSLY
FL220 250K
13000

Landing South
Rwys 18L/C/R:
Expect RADAR vectors
to final approach
course after HEELZ.

HEELZ
6000 210K



JAMGO
16000 250K
10000

WHIZE
12000 9000

CAATT
9000 210K



183°

(12)

EPAYE
6000 210K

183°

Landing North
Rwys 5, 36L/C/R:
Expect RADAR vectors
to final approach
course after EPAYE.

SLPOH
FL210
10000

219° (10)

NODEW
9000 230K
8000

201° (7)

BLNCO
7000

236° (4)

JEPHS
6000

- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet aircraft only.
- NOTE: Descend via MACH number until intercepting 280K. Maintain 280K until slowed by the STAR or assigned by ATC.
- NOTE: Expect "descend via" clearance and landing direction assignment (north or south) by ARTCC.
- NOTE: For vertical navigation planning, landing south, select Rwy 18L, landing north, select Rwy 36R.
- NOTE: CLT approach will assign landing runway.
- NOTE: CAUTION: Parachute jumping 3 NM south SLPOH, 5 NM radius KRUG (Mid-Carolina Rgnl), AOB 14,500 MSL (SR-SS).
- NOTE: Landing South Rwy 23: Intercept localizer or as assigned by ATC after JEPHS.

(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

CHSLY FIVE ARRIVAL (RNAV)

(CHSLY.CHSLY5) 02DEC21

Arrival Routes

CHARLOTTE, NORTH CAROLINA
CHARLOTTE/DOUGLAS INTL (CLT)

CHSLY FIVE ARRIVAL (RNAV)

ARRIVAL ROUTE DESCRIPTION

From CHSLY on track 225° to cross KRISS at or above 11000, then on track 211° to cross SLPOH between 10000 and FL210.

LANDING RUNWAYS 5, 36L/C/R: From SLPOH on track 219° to cross JAMGO between 10000 and 16000 and at 250K, then on track 218° to cross WHIZE between 9000 and 12000, then on track 218° to cross CAATT at 9000 and at 210K, then on track 183° to cross EPAYE at 6000 and at 210K, then on track 183°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 18L/C/R: From SLPOH on track 201° to cross NODEW between 8000 and 9000 and at 230K, then on track 276° to cross HEELZ at 6000 and at 210K, then on track 270°. Expect RADAR vectors to final approach course.

LANDING RUNWAY 23: From SLPOH on track 201° to cross NODEW between 8000 and 9000 and at 230K, then on track 201° to cross BLNCO at or above 7000, then on track 236° to cross JEPHS at or above 6000. Expect ILS or LOC Rwy 23 approach.

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

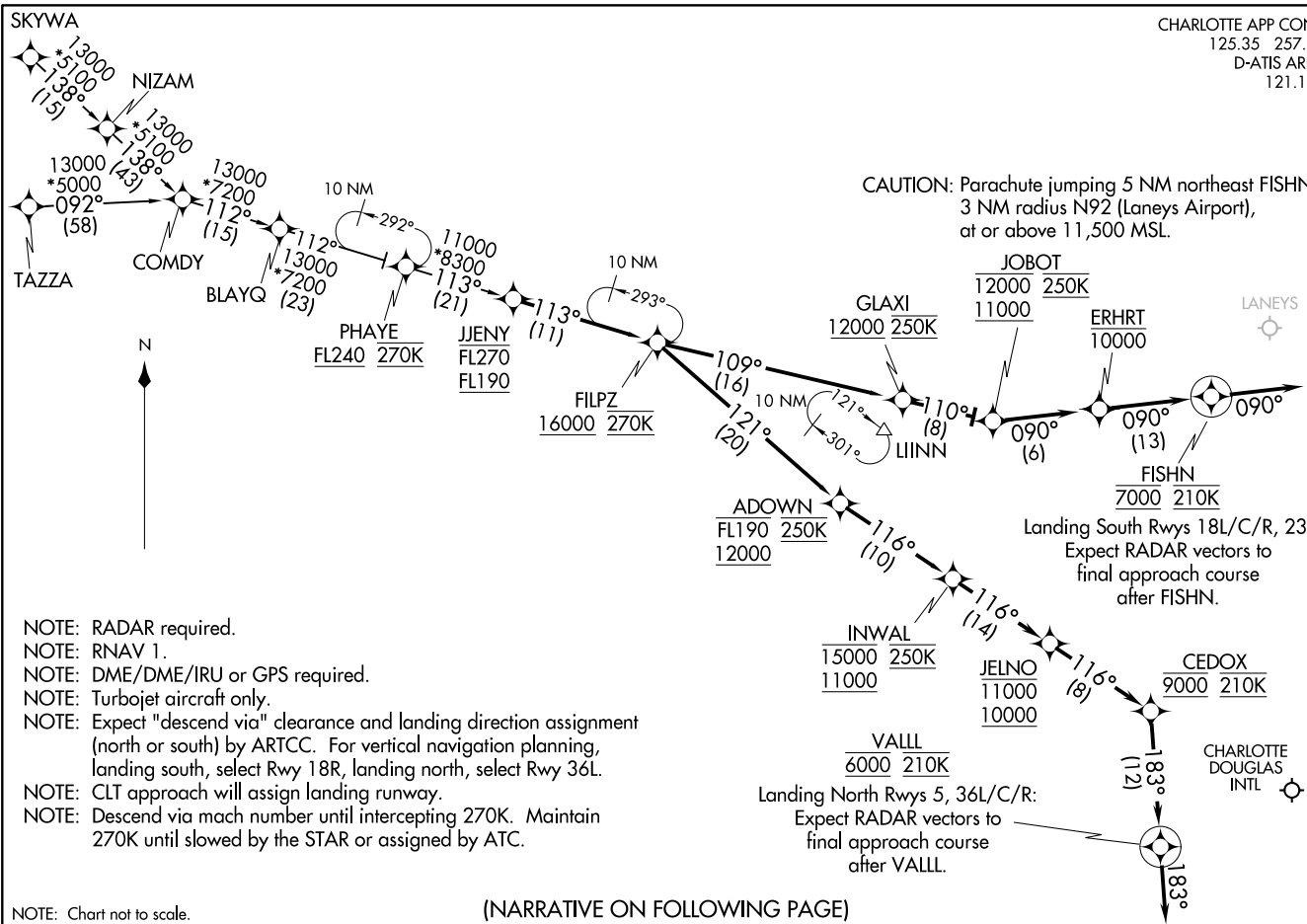
CHARLOTTE APP CON
125.35 257.2
D-ATIS ARR
121.15

FILPZ THREE ARRIVAL (RNAV)
(JENY.FILPZ3) 17AUG17

(JENY.FILPZ3) 20198
FILPZ THREE ARRIVAL (RNAV)

AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE, NORTH CAROLINA



CAUTION: Parachute jumping 5 NM northeast FISHN, 3 NM radius N92 (Laneys Airport), at or above 11,500 MSL.

Landing South Rwy 18L/C/R, 23:
Expect RADAR vectors to final approach course after FISHN.

Landing North Rwy 5, 36L/C/R:
Expect RADAR vectors to final approach course after VALL.

- NOTE: RADAR required.
- NOTE: RNAV 1.
- NOTE: DME/DME/IRU or GPS required.
- NOTE: Turbojet aircraft only.
- NOTE: Expect "descend via" clearance and landing direction assignment (north or south) by ARTCC. For vertical navigation planning, landing south, select Rwy 18R, landing north, select Rwy 36L.
- NOTE: CLT approach will assign landing runway.
- NOTE: Descend via mach number until intercepting 270K. Maintain 270K until slowed by the STAR or assigned by ATC.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

FILPZ THREE ARRIVAL (RNAV)

ARRIVAL ROUTE DESCRIPTION

COMDY TRANSITION (COMDY.FILPZ3):

SKYWA TRANSITION (SKYWA.FILPZ3):

TAZZA TRANSITION (TAZZA.FILPZ3):

From JJENY on track 113° to cross FILPZ at or above 16000 and at 270K.

LANDING RWYS 5, 36L/C/R: From FILPZ on track 121° to cross ADOWN between 12000 and FL190 and at 250K, then on track 116° to cross INWAL between 11000 and 15000 and at 250K, then on track 116° to cross JELNO between 10000 and 11000, then on track 116° to cross CEDOX at 9000 and at 210K, then on track 183° to cross VALLL at 6000 and at 210K, then on track 183°. Expect RADAR vectors to final approach course.

LANDING RWYS 18L/C/R, 23: From FILPZ on track 109° to cross GLAXI at or above 12000 and at 250K, then on track 110° to cross JOBOT between 11000 and 12000 and at 250K, then on track 090° to cross ERHRT at or below 10000, then on track 090° to cross FISHN at 7000 and at 210K, then on track 090°. Expect RADAR vectors to final approach course.

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

JONZE FOUR ARRIVAL (RNAV)
(JONZE.JONZE4) 05OCT23

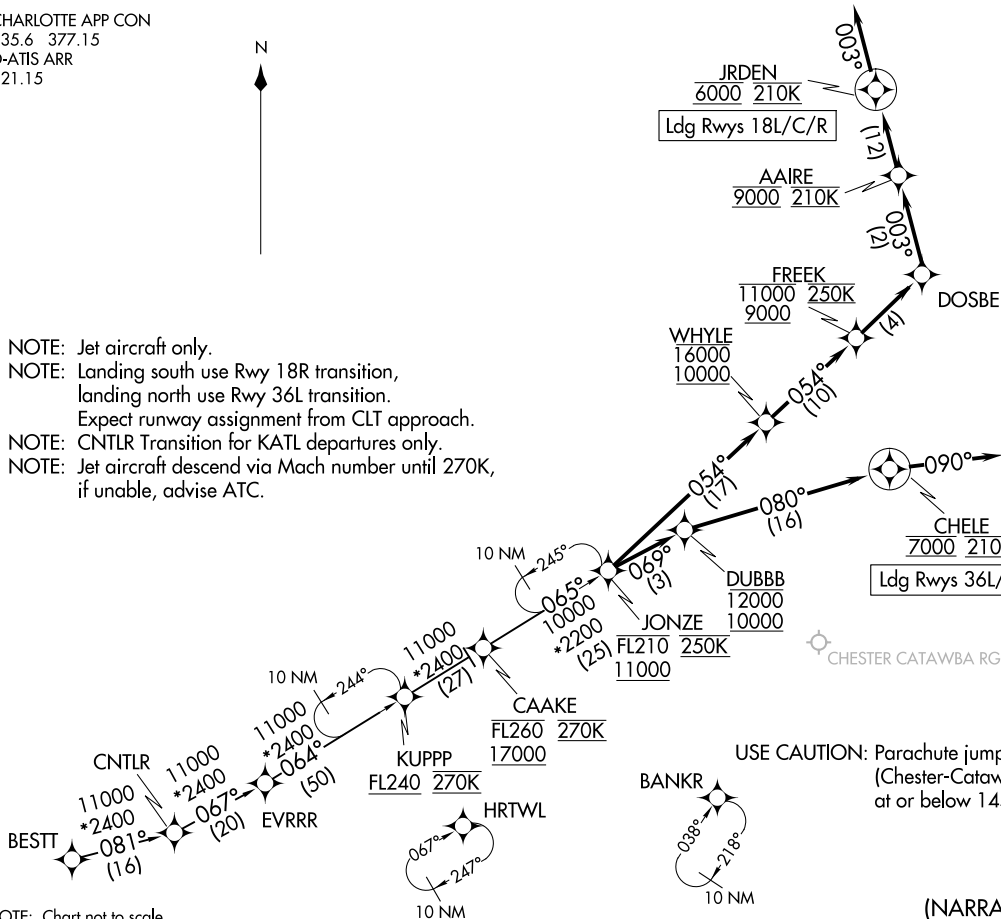
CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE NORTH CAROLINA

CHARLOTTE APP CON
135.6 377.15
D-ATIS ARR
121.15



RNAV 1 - DME/DME/IRU or GPS.
RADAR required.

- NOTE: Jet aircraft only.
- NOTE: Landing south use Rwy 18R transition, landing north use Rwy 36L transition. Expect runway assignment from CLT approach.
- NOTE: CNTLR Transition for KATL departures only.
- NOTE: Jet aircraft descend via Mach number until 270K, if unable, advise ATC.



NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

JONZE.JONZE4 23278
JONZE FOUR ARRIVAL (RNAV)

AL-78 (FAA)

CHARLOTTE/DOUGLAS INTL (CLT)
CHARLOTTE NORTH CAROLINA

JONZE FOUR ARRIVAL (RNAV)

ARRIVAL ROUTE DESCRIPTION

BESTT TRANSITION (BESTT.JONZE4)

CNTRLR TRANSITION (CNTRLR.JONZE4)

LANDING RUNWAYS 18L/C/R: From JONZE on track 054° left turn to cross WHYLE between 10000 and 16000, then on track 054° to cross FREEK between 9000 and 11000 and at 250K, then on track 054° to DOSBE, then on track 003° to cross AAIRE at 9000 and at 210K, then on track 003° to cross JRDEN at 6000 and at 210K, then on track 003°. Expect RADAR vectors to final approach course.

LANDING RUNWAYS 36L/C/R: From JONZE on track 069° left turn to cross DUBBB between 10000 and 12000, then on track 080° to cross CHELE at 7000 and at 210K, then on track 090°. Expect RADAR vectors to final approach course.

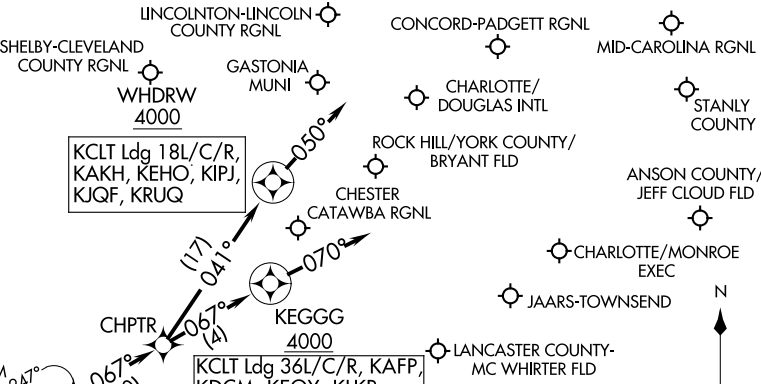
SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

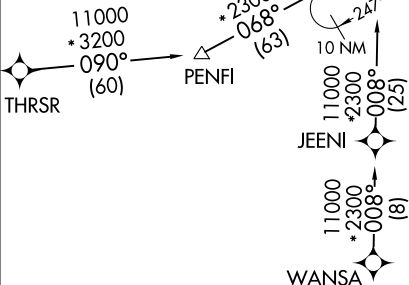
JOOLS ONE ARRIVAL (RNAV)
 (JOOLS.JOOLS1) 15JUN23

CHARLOTTE APP CON
 135.6 377.15
 CLT D-ATIS ARR
 121.15
 JQF ATIS *
 133.675

RNAV 1 - DME/DME/IRU or GPS.
 RADAR required.



Use CAUTION: Parachute jumping 17 NM NE of
 CHPTR, 3 NM radius KDCM (Chester-Catawba Rgnl),
 AOB 14,500 MSL.



ARRIVAL ROUTE DESCRIPTION

THRSR TRANSITION (THRSR.JOOLS1)
WANSAN TRANSITION (WANSAN.JOOLS1)

- KCLT: From JOOLS on track 067° to CHPTR.
- LANDING RUNWAYS 18L/C/R: From CHPTR on track 041° to cross WHDRW at or above 4000, then on track 050°. Expect RADAR vectors to final approach course.
- LANDING RUNWAYS 36L/C/R: From CHPTR on track 067° to cross KEGGG at or above 4000, then on track 070°. Expect RADAR vectors to final approach course.
- LANDING KAKH/KRUQ/KEHO/KJQF/KIPJ: From JOOLS on track 067° to CHPTR, then on track 041° to cross WHDRW at or above 4000, then on track 050°. Expect RADAR vectors to final approach course.
- LANDING KDCM/KEQY/KUZA/KAFP/N52/KVUJ/KKKR: From JOOLS on track 067° to CHPTR, then on track 067° to cross KEGGG at or above 4000, then on track 070°. Expect RADAR vectors to final approach course.

NOTE: Chart not to scale.

JOOLS ONE ARRIVAL (RNAV)
 23166

AL-78 (FAA)

CHARLOTTE, NORTH CAROLINA

CHARLOTTE, NORTH CAROLINA

CHARLOTTE APP CON
125.35 257.2
CLT D-ATIS ARR
121.15

NOTE: RADAR required.
NOTE: VXV transition for turbojet aircraft only.
NOTE: HMV and SOT transitions for turboprop/prop aircraft only.

(JALIT.LINN3) 22307
LINN THREE ARRIVAL

AL-78 (FAA)

CHARLOTTE, NORTH CAROLINA

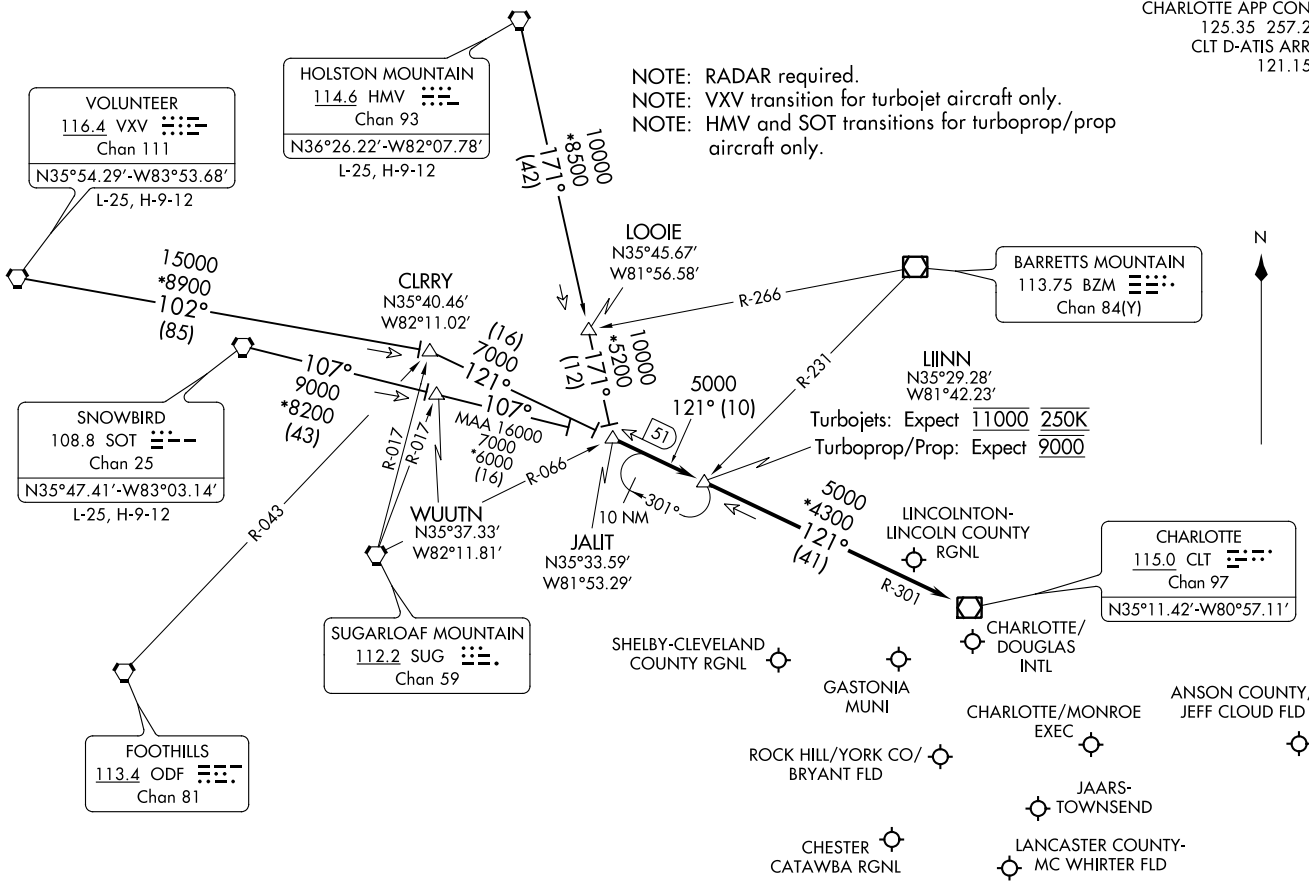


(NARRATIVE ON FOLLOWING PAGE)

NOTE: Chart not to scale.

LINN THREE ARRIVAL
(JALIT.LINN3) 08NOV18

CHARLOTTE, NORTH CAROLINA



VOLUNTEER
116.4 VXV
Chan 111
N35°54.29'-W83°53.68'
L-25, H-9-12

HOLSTON MOUNTAIN
114.6 HMV
Chan 93
N36°26.22'-W82°07.78'
L-25, H-9-12

SNOWBIRD
108.8 SOT
Chan 25
N35°47.41'-W83°03.14'
L-25, H-9-12

SUGARLOAF MOUNTAIN
112.2 SUG
Chan 59

FOOTHILLS
113.4 ODF
Chan 81

CLRRY
N35°40.46'
W82°11.02'

LOOIE
N35°45.67'
W81°56.58'

BARRETTS MOUNTAIN
113.75 BZM
Chan 84(Y)

LINN
N35°29.28'
W81°42.23'

CHARLOTTE
115.0 CLT
Chan 97
N35°11.42'-W80°57.11'

JALIT
N35°33.59'
W81°53.29'

LINCOLNTON-LINCOLN COUNTY
RGNL

CHARLOTTE/DOUGLAS
INTL

ANSON COUNTY/
JEFF CLOUD FLD

CHARLOTTE/MONROE
EXEC

JAARS-TOWNSEND

LANCASTER COUNTY-
MC WHIRTER FLD

ROCK HILL/YORK CO/
BRYANT FLD

CHESTER
CATAWBA RGNL

GASTONIA
MUNI

SHELBY-CLEVELAND
COUNTY RGNL

ARRIVAL ROUTE DESCRIPTION

HOLSTON MOUNTAIN TRANSITION (HMV.LIINN3): From over HMV VORTAC on HMV R-171 to JALIT. Thence

SNOWBIRD TRANSITION (SOT.LIINN3): From over SOT VORTAC on SOT R-107 to JALIT. Thence

VOLUNTEER TRANSITION (VXV.LIINN3): From over VXV VORTAC on VXV R-102 to CLRRY, then on CLT R-301 to JALIT. Thence

. . . . from JALIT on CLT R-301 to LIINN, then on CLT R-301 to CLT VOR/DME. Expect RADAR vectors to destination airport or final approach course prior to CLT VOR/DME.

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

MAJIC FOUR ARRIVAL

CHARLOTTE, NORTH CAROLINA

CHARLOTTE APP CON
126.15 282.325
CLT D-ATIS ARR
121.15

MAYOS
N36°19.59'-W79°59.79'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
Expect FL220

MAJIC
N35°48.71'-W80°26.17'
TURBOJET VERTICAL NAVIGATION
PLANNING INFORMATION
Expect 13000 250K

SUDSY
N35° 44.58'
W80° 29.63'

MID-CAROLINA
RGNL
GIZMO
N35° 32.99'
W80° 39.29'

CHARLOTTE
115.0 CLT
Chan 97
N35°11.42'-W80°57.11'

CHARLOTTE/MONROE
EXEC

JAARS-TOWNSEND

LANCASTER COUNTY-
MC WHIRTER FLD

CHESTER CATAWBA
RGNL

ROCK HILL/YORK
COUNTY/BRYANT
FLD

GASTONIA
MUNI

SHELBY-
CLEVELAND
COUNTY RGNL

LINCOLN-
LINCOLN COUNTY
RGNL

CHARLOTTE/
DOUGLAS
INTL

CAUTION: Parachute jumping 6 NM south-
southwest of SUDSY, 5 NM radius of (KRUC)
Mid-Carolina Rgnl, at or below 14500 MSL.

NOTE: DME required.
NOTE: RADAR required for LIB R-273.
NOTE: Landing other than Charlotte/
Douglas Intl; expect RADAR
vectors to destination airport
or final approach course prior
to CLT 10 DME fix.

RALEIGH/DURHAM
117.2 RDU
Chan 119
N35° 52.35'
W78° 47.00'
L-36, H-9-12

LIBERTY
113.0 LIB
Chan 77
N35°48.70'
W79°36.76'

LYNCHBURG
109.2 LYH
Chan 29
N37° 15.27'
W79° 14.18'
L-26-36, H-10-12

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

LIBERTY TRANSITION (LIB.MAJIC4): From over LIB VORTAC on LIB R-273 to MAJIC INT. Thence. . .

LYNCHBURG TRANSITION (LYH.MAJIC4): From over LYH VOR/DME on LYH R-219 and CLT R-039 to MAJIC INT. Thence. . .

. . . From over MAJIC on CLT R-039 to:

LANDING NORTH: CLT VOR/DME. Expect RADAR vectors to final approach course prior to the CLT 5 DME fix.

LANDING SOUTH: GIZMO. Expect RADAR vectors to final approach course.

MAJIC FOUR ARRIVAL

(MAJIC.MAJIC4) 26MAR20

CHARLOTTE, NORTH CAROLINA

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

ARRIVAL ROUTE DESCRIPTION

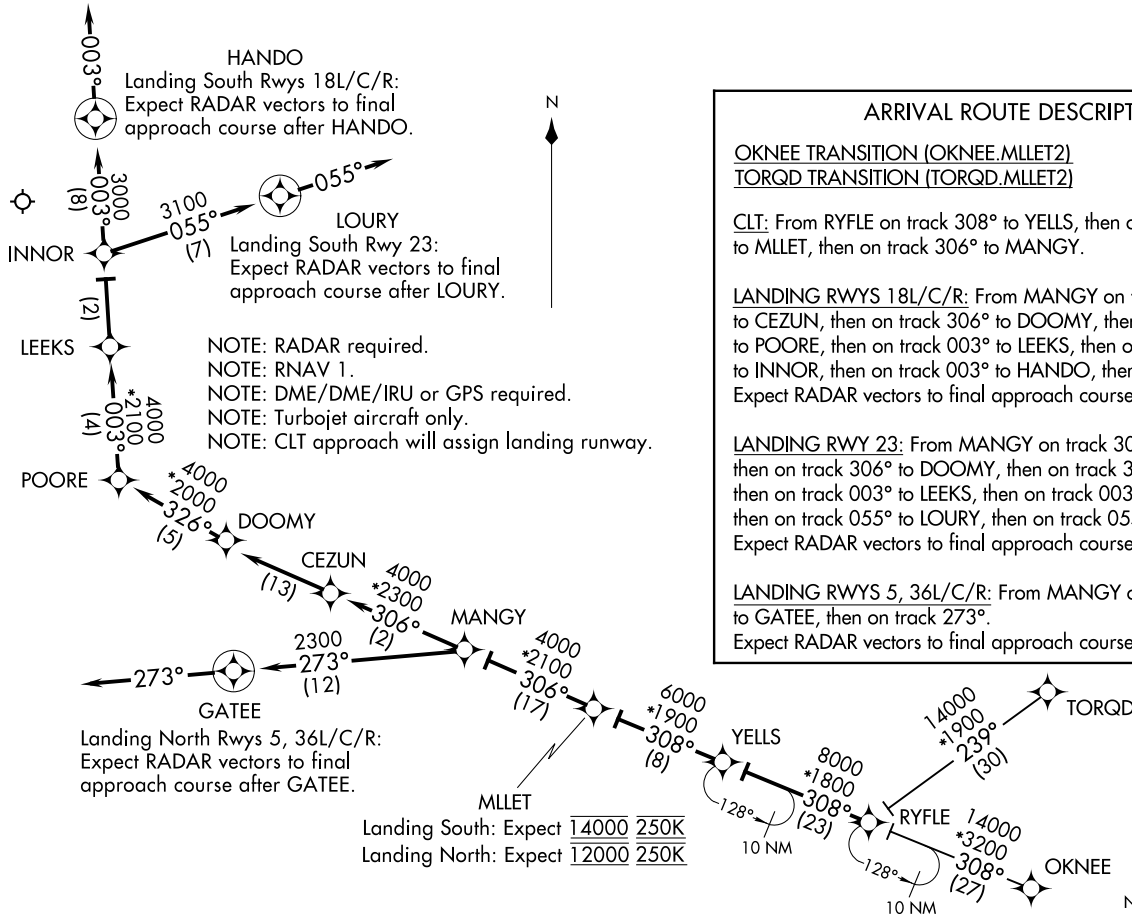
OKNEE TRANSITION (OKNEE.MLLET2)
TORQD TRANSITION (TORQD.MLLET2)

CLT: From RYFLE on track 308° to YELLS, then on track 308° to MLLET, then on track 306° to MANGY.

LANDING RWYS 18L/C/R: From MANGY on track 306° to CEZUN, then on track 306° to DOOMY, then on track 326° to POORE, then on track 003° to LEEKS, then on track 003° to INNOR, then on track 003° to HANDO, then on track 003°. Expect RADAR vectors to final approach course.

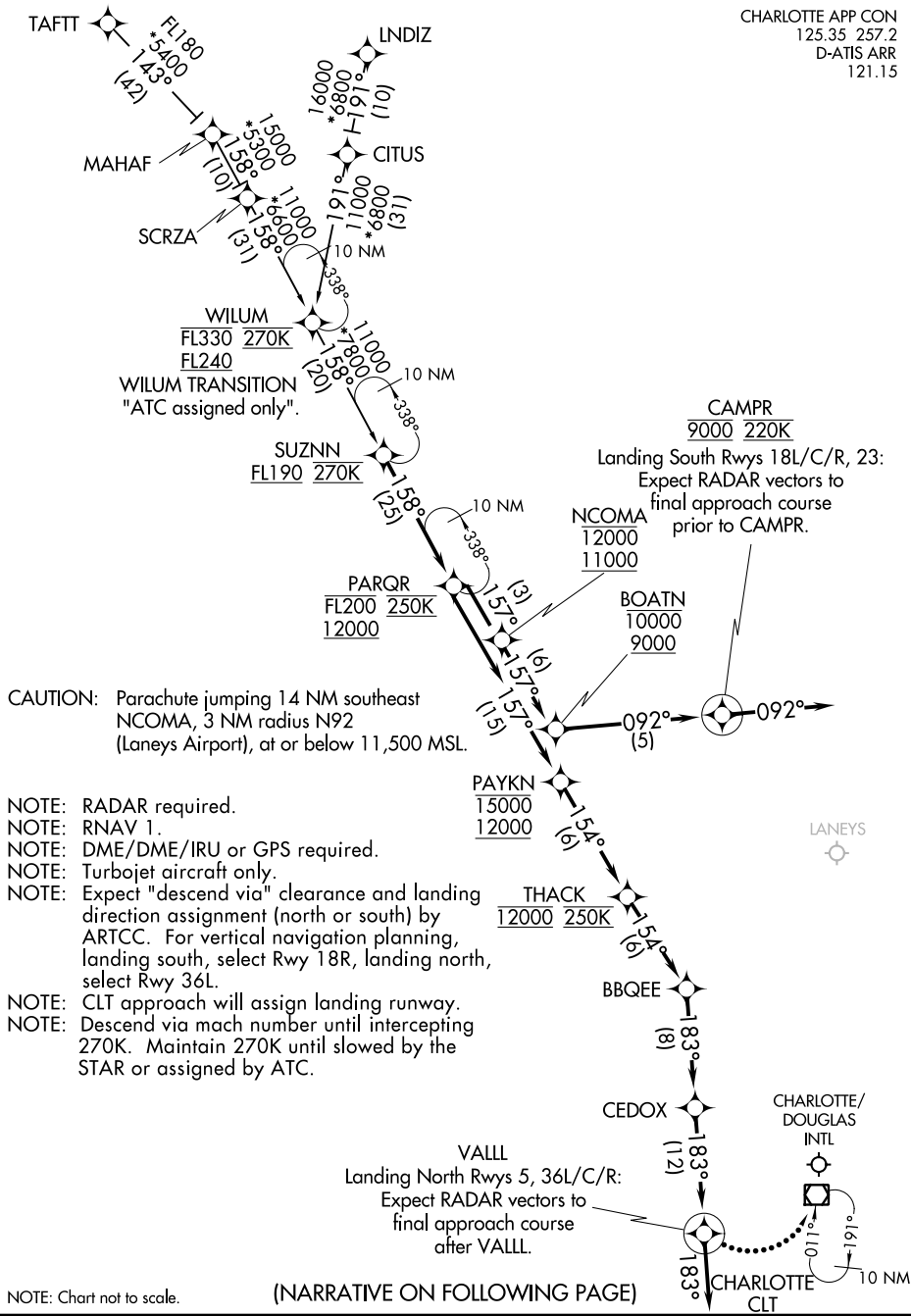
LANDING RWY 23: From MANGY on track 306° to CEZUN, then on track 306° to DOOMY, then on track 326° to POORE, then on track 003° to LEEKS, then on track 003° to INNOR, then on track 055° to LOURY, then on track 055°. Expect RADAR vectors to final approach course.

LANDING RWYS 5, 36L/C/R: From MANGY on track 273° to GATEE, then on track 273°. Expect RADAR vectors to final approach course.



PARQR THREE ARRIVAL (RNAV)

CHARLOTTE APP CON
125.35 257.2
D-ATIS ARR
121.15



SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

PARQR THREE ARRIVAL (RNAV)

PARQR THREE ARRIVAL (RNAV)

ARRIVAL ROUTE DESCRIPTION

LNDIZ TRANSITION (LNDIZ.PARQR3)

TAFTT TRANSITION (TAFTT.PARQR3)

WILUM TRANSITION (WILUM.PARQR3)

From SUZNN on track 158° to cross PARQR between 12000 and FL200 and at 250K.

LANDING: RWYS 5, 36L/C/R: From PARQR on track 157° to cross PAYKN between 12000 and 15000, then on track 154° to cross THACK at 12000 and at 250K, then on track 154° BBQEE, then on track 183° to CEDOX, then on track 183° to VALLL, then on track 183°. Expect RADAR vectors to final approach course.

LANDING: RWYS 18L/C/R, 23: From PARQR on track 157° to cross NCOMA between 11000 and 12000, then on track 157° to cross BOATN between 9000 and 10000, then on track 092° to cross CAMPR at 9000 and at 220K, then on track 092°. Expect RADAR vectors to final approach course.

LOST COMMUNICATION: After VALLL turn left direct CLT VOR/DME and hold maintain 12000.

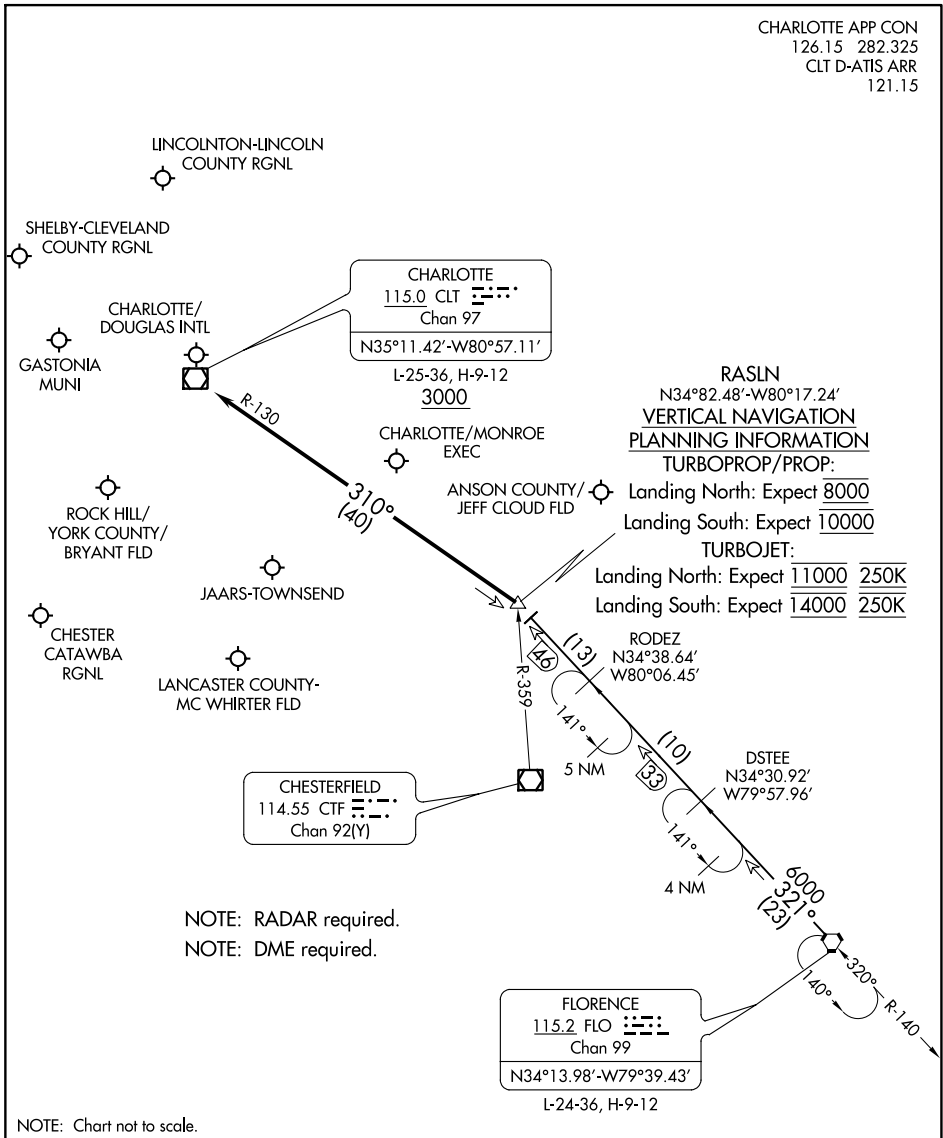
SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

RASLN THREE ARRIVAL

CHARLOTTE, NORTH CAROLINA

CHARLOTTE APP CON
126.15 282.325
CLT D-ATIS ARR
121.15



SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

ARRIVAL ROUTE DESCRIPTION

FLORENCE TRANSITION (FLO.RASLN3): From over FLO VORTAC on FLO R-321 to RASLN INT. Thence

. . . . from RASLN on CLT R-130 to cross CLT VOR/DME at or above 3000. Expect RADAR vectors to destination airport or final approach course prior to CLT VOR/DME.

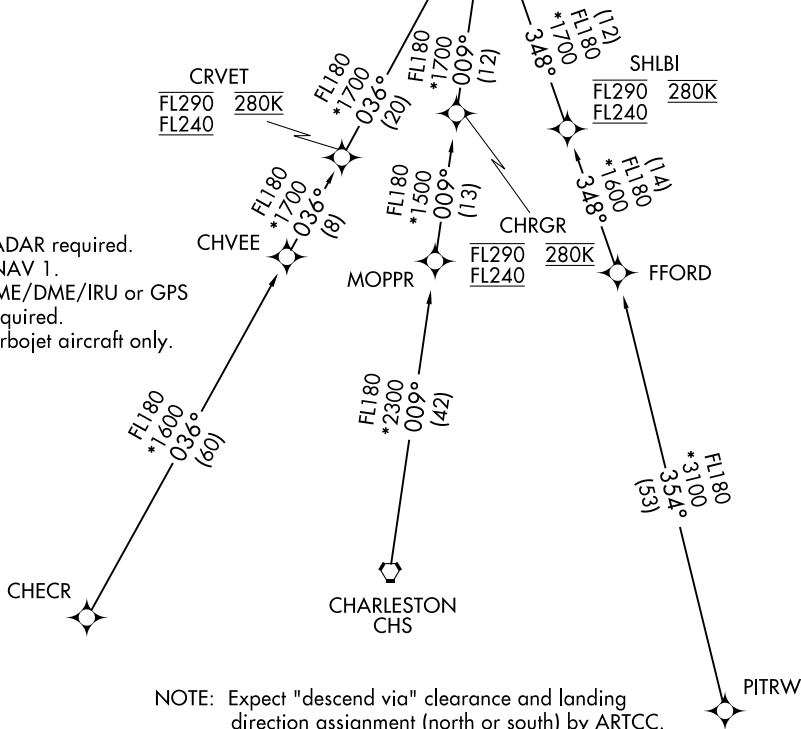
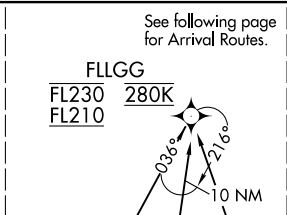
RASLN THREE ARRIVAL

(RASLN.RASLN3) 17AUG17

CHARLOTTE, NORTH CAROLINA

STOCR THREE ARRIVAL (RNAV) Transition Routes

CHARLOTTE APP CON
126.15 282.325
D-ATIS ARR
121.15



NOTE: RADAR required.
 NOTE: RNAV 1.
 NOTE: DME/DME/IRU or GPS required.
 NOTE: Turbojet aircraft only.

NOTE: Expect "descend via" clearance and landing direction assignment (north or south) by ARTCC. For vertical navigation planning, landing south, select Rwy 23, landing north, select Rwy 36R.
 NOTE: Descend via mach number until intercepting 280K. Maintain 280K until slowed by the STAR or assigned by ATC.
 NOTE: CLT approach will assign landing runway.

NOTE: Chart not to scale.

CHARLESTON TRANSITION (CHS.STOCR3)
CHECR TRANSITION (CHECR.STOCR3)
PITRW TRANSITION (PITRW.STOCR3)

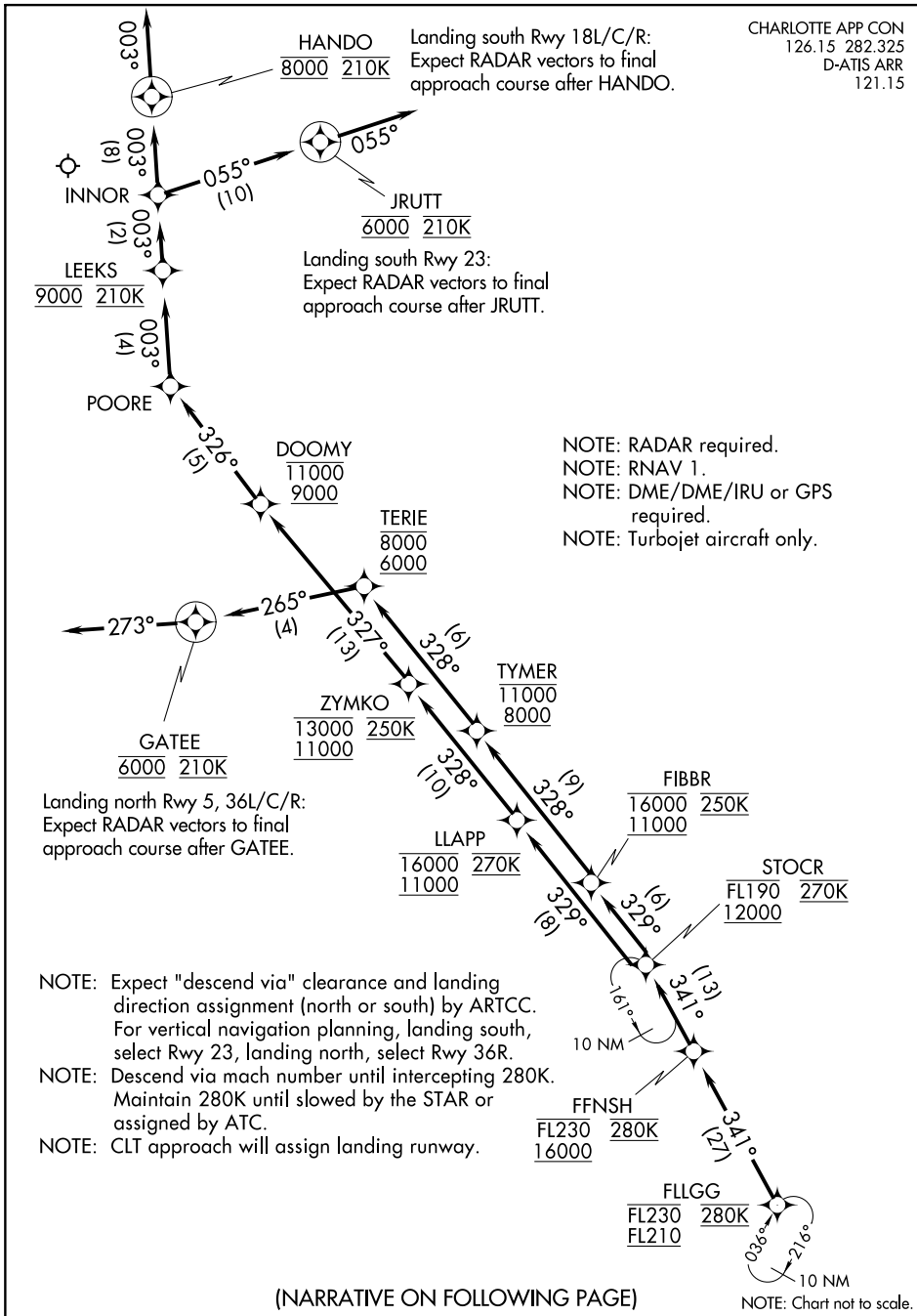
(CONTINUED ON FOLLOWING PAGES)

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

STOCR THREE ARRIVAL (RNAV) Arrival Routes

CHARLOTTE APP CON
126.15 282.325
D-ATIS ARR
121.15



SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024

STOCR THREE ARRIVAL (RNAV) Arrival Routes

STOCR THREE ARRIVAL (RNAV)

ARRIVAL ROUTE DESCRIPTION

From FLLGG on track 341° to cross FFNSH between 16000 and 23000 and at 280K, then on track 341° to cross STOCR between 12000 and FL190 and at 270K.

LANDING NORTH: RWY 5, 36L/C/R: From STOCR on track 329° to cross FIBBR between 11000 and 16000 and at 250K, then on track 328° to cross TYMER between 8000 and 11000, then on track 328° to cross TERIE between 6000 and 8000, then on track 265° to cross GATEE at 6000 and at 210K, then on track 273°. Expect RADAR vectors to final approach course.

LANDING SOUTH: RWY 18L/C/R: From STOCR on track 329° to cross LLAPP between 11000 and 16000 and at 270K, then on track 328° to cross ZYMKO between 11000 and 13000 and at 250K, then on track 327° to cross DOOMY between 9000 and 11000, then on track 326° to POORE, then on track 003° to cross LEEKS at 9000 and at 210K, then on track 003° to INNOR, then on track 003° to cross HANDO at 8000 and at 210K, then on track 003°. Expect RADAR vectors to final approach course.

LANDING SOUTH: RWY 23: From STOCR on track 329° to cross LLAPP between 11000 and 16000 and at 270K, then on track 328° to cross ZYMKO between 11000 and 13000 and at 250K, then on track 327° to cross DOOMY between 9000 and 11000, then on track 326° to POORE, then on track 003° to cross LEEKS at 9000 and at 210K, then on track 003° to INNOR, then on track 055° to cross JRUTT at 6000 and at 210K, then on track 055°. Expect RADAR vectors to final approach course.

SE-2, 22 FEB 2024 to 21 MAR 2024

SE-2, 22 FEB 2024 to 21 MAR 2024