



INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

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

NAME ALTERNATE MINIMUMS

ALBEMARLE, NC

STANLY COUNTY ILS Rwy 22L¹
NDB or GPS Rwy 22L²

NA when control tower closed.

¹ILS, Categories B,C, 800-2; Category D, 800-2½. LOC, Category D, 800-2½.

²Category D, 800-2½.

ANDERSON, SC

ANDERSON RGNL ILS or LOC Rwy 5
RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 17
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 35
VOR Rwy 5

NA when local weather not available.

ASHEVILLE, NC

ASHEVILLE RGNL ILS or LOC Rwy 16¹²
ILS or LOC Rwy 34¹²
RNAV (GPS) Rwy 16³⁴
RNAV (GPS) Rwy 34³⁵
RADAR-1, 900-2½¹

¹NA when control tower closed.

²ILS, Categories A,B,C, 800-2; Category D, 800-2½. LOC, Category D, 800-2½.

³NA when local weather not available.

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

⁵Categories A,B, 1000-2, Categories C, D, 1000-3.

BARNWELL, SC

BARNWELL RGNL RNAV (GPS) Rwy 17
NA when local weather not available.

BURLINGTON, NC

BURLINGTON-ALAMANCE
RGNL RNAV (GPS) Rwy 6
NA when local weather not available.
Category D, 800-2½.

NAME ALTERNATE MINIMUMS

CHARLESTON, SC

CHARLESTON AFB/INTL . ILS or LOC Rwy 15¹
ILS or LOC Rwy 33¹
RNAV (GPS) Rwy 32²
RNAV (GPS) Rwy 15²
RNAV (GPS) Rwy 21²
RNAV (GPS) Rwy 33²
VOR/DME or TACAN Rwy 3³
VOR/DME or TACAN Rwy 21³

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

²Category E, 800-2½.

³Category E, NA.

CHARLESTON

EXECUTIVE.. ILS or LOC Rwy 9
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27
VOR-A

NA when local weather not available.

CHARLOTTE, NC

CHARLOTTE/DOUGLAS
INTL ILS or LOC Rwy 23
ILS, Categories A,B,C,D, 700-2.

CLEMSON, SC

OCONEE COUNTY RGNL.. RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25
NA when local weather not available.

CLINTON, NC

SAMPSON COUNTY.. RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24
VOR/DME-A
NA when local weather not available.

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ALTERNATE MINS

E3



NAME ALTERNATE MINIMUMS

GREENVILLE, SC

DONALDSON CENTER ILS or LOC Rwy 5
NA when local weather not available.
NA when control tower closed.

GREENVILLE

DOWNTOWN ILS or LOC Rwy 1¹²³
RNAV (GPS) Rwy 1²⁴
RNAV (GPS) Rwy 10²⁴
RNAV (GPS) Rwy 19²⁴
RADAR-1¹⁴

¹NA when control tower closed.

²NA when local weather not available.

³ILS, Category D, 700-2. LOC, Category D, 800-2¼.

⁴Category D, 800-2¼.

GREENWOOD, SC

GREENWOOD

COUNTY NDB or GPS Rwy 27
VOR OR GPS Rwy 9
VOR Rwy 27

NA when local weather not available.

GREER, SC

GREENVILLE-SPARTANBURG

INTL-ROGER MILLIKEN ILS or LOC Rwy 4
RADAR-1
RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22

NA when local weather not available.

JACKSONVILLE, NC

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

NA when local weather not available.

JEFFERSON, NC

ASHE COUNTY RNAV (GPS) Rwy 28
Categories A, B, 1100-2; Category C, 1100-3;
Category D, 1500-3.
NA when local weather not available.

KINGSTREE, SC

WILLIAMSBURG RGNL RNAV (GPS) Rwy 32
NA when local weather not available.
Category D, 1000-3.

KINSTON, NC

KINSTON RGNL JETPORT AT
STALLINGS FIELD ILS Rwy 5¹²
RNAV (GPS) Rwy 5³
RNAV (GPS) Rwy 23³
VOR Rwy 23¹

¹NA when control tower closed.

²Category D, 700-2.

³NA when local weather not available.

NAME ALTERNATE MINIMUMS

LINCOLNTON, NC

LINCOLNTON-LINCOLN
COUNTY RGNL RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
NA when local weather not available.

LOUISBURG, NC

FRANKLIN COUNTY RNAV (GPS) Rwy 5
RNAV (GPS) Rwy 23
VOR/DME-A
NA when local weather not available.

MONROE, NC

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

MORGANTON, NC

FOOTHILLS RGNL RNAV (GPS) Rwy 3
RNAV (GPS) Rwy 21
NA when local weather not available.

MYRTLE BEACH, SC

MYRTLE BEACH INTL ILS or LOC Rwy 18¹
ILS or LOC Rwy 36
ILS, Category D, 700-2.
¹NA when local weather not available.

NEWBERN, NC

COASTAL CAROLINA
RGNL RNAV (GPS) Rwy 4
RNAV (GPS) Rwy 22
VOR Rwy 4
VOR Rwy 22
NA when local weather not available.

NEWBERRY, SC

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

NORTH MYRTLE BEACH, SC

GRAND STRAND ILS Rwy 23¹
VOR Rwy 5
VOR Rwy 23²
NA when control tower closed.
¹ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.
²Category D, 800-2¼.

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ALTERNATE MINS

SE-2



E3



ALTERNATE MINS

E5



NAME ALTERNATE MINIMUMS

WILMINGTON, NC

- WILMINGTON INTL .. ILS or LOC/DME Rwy 6¹²
- ILS or LOC/DME Rwy 24¹²
- ILS Rwy 35²³
- RADAR-1³
- RNAV (GPS) Rwy 6¹
- RNAV (GPS) Rwy 17¹
- RNAV (GPS) Rwy 24¹
- RNAV (GPS) Rwy 35¹

¹NA when local weather not available.

²Category D, 700-2.

³NA when control tower closed.

WINSTON-SALEM, NC

- SMITH REYNOLDS ILS or LOC Rwy 33¹²
- RNAV (GPS) Rwy 15³⁴
- RNAV (GPS) Rwy 33³⁵
- VOR/DME Rwy 15⁵

¹NA when control tower closed.

²ILS, Categories B,C, 700-2, Category D, 800-2½. LOC, Category D, 800-2½.

³NA when local weather not available.

⁴Category D, 800-2½.

⁵Category D, 800-2½.

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ALTERNATE MINS

E5

SE-2



RADAR MINS

N1

09295

RADAR INSTRUMENT APPROACH MINIMUMS

ASHEVILLE, NC

Amdt. 5A, NOV 18, 1998 (FAA)

ELEV 2165

ASHEVILLE RGNL

RADAR- 124.65 269.575 ▽ ▲

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS
ASR	34		AB	2800 /24	660 (700-½)	C	2800 /60	660 (700-1¼)
			D	2800 -1½	660 (700-1½)			
	16		A	3000 /50	835 (900-1)	B	3000 /60	835 (900-1¼)
			C	3000 -2½	835 (900-2¼)	D	3000 -2¼	835 (900-2¾)
CIRCLING			A	3000 -1	835 (900-1)	B	3000 -1¼	835 (900-1¼)
			C	3000 -2½	835 (900-2¼)	D	3000 -2¼	835 (900-2¾)

Circling not authorized west of Rwy 16-34. Night circling not authorized.

BEAUFORT, SC

Amdt. 3A, NOV 20, 2008 (FAA)

ELEV 10

BEAUFORT COUNTY

RADAR-1 118.45 292.125 ▲ NA

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS
ASR	25		ABC	440 -1¼	430 (500-1¼)			
CIRCLING			AB	500 -1¼	490 (500-1¼)	C	500 -1½	490 (500-1½)

Use Beaufort MCAS/Merritt Field altimeter setting.
When Beaufort Class D not in effect, procedure NA.

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RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS

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N1

RADAR MINS

N2

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RADAR INSTRUMENT APPROACH MINIMUMS

BEAUFORT MCAS (KNBC), (MERRITT FLD) SC (08325 USN)
 RADAR - (E) 123.7x 298.875x 317.775x 323.275x 372.0x 379.275x 383.6x

ELEV 37

	<u>RWY</u>	<u>GS/TCH/RPI</u>	<u>CAT</u>	<u>DH/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HATH/</u> <u>HAA</u>	<u>CEIL-VIS</u>	
PAR ¹	23 ²⁵	3.0°/44/821	ABCDE	116-¼	100	(100-¼)	
	32	3.0°/40/771	ABCDE	125-½	100	(100-½)	
	14	3.0°/40/768	ABCDE	132-½	100	(100-½)	
	5 ²⁵	3.0°/38/779	ABCDE	137-¼	100	(100-¼)	
PAR ¹ W/O GS	23 ⁴		ABCDE	320-¾	304	(300-¾)	
	5 ⁴		ABCDE	360-1	323	(400-1)	
	14		ABCDE	380-1¼	348	(400-1¼)	
32 ⁶			ABCDE	380-1¼	355	(400-1¼)	
	ASR	23 ³	AB	360-½	344	(400-½)	
5 ⁷			CDE	360-¾	344	(400-¾)	
			AB	440-¾	403	(500-¾)	
			CD	440-1	403	(500-1)	
			E	440-1¼	403	(500-1¼)	
	14		ABC	420-1	388	(400-1)	
			DE	420-1¼	388	(400-1¼)	
	32		AB	520-1	495	(500-1)	
C			C	520-1¼	495	(500-1¼)	
			D	520-1½	495	(500-1½)	
			E	520-1¾	495	(500-1¾)	
	CIR	5, 14, 23		AB	500-1¼	463	(500-1¼)
				C	500-1½	463	(500-1½)
				D	600-2	563	(600-2)
				E	720-2½	683	(700-2½)
32			AB	520-1¼	483	(500-1¼)	
	C	520-1½	483	(500-1½)			
	D	600-2	563	(600-2)			
	E	720-2½	683	(700-2½)			

¹No-NOTAM MP 1200-2000Z++ Sat. ²When ALS inop, increase vis CAT ABCDE to ½ mile.
³When ALS inop, increase vis CAT ABCDE to 1¼ miles. ⁴When ALS inop, increase vis CAT ABCDE to 1¼ miles. ⁵CAUTION: PAR and VGSI not coincident. ⁶Cross 2 NM from touchdown, 600 min alt. ⁷When ALS inop, increase vis CAT AB to 1 mile, CAT CD to 1¼ miles, CAT E to 1½ miles.

BOGUE MCALF (KNJM), NC (07270 USA)

ELEV 22

RADAR ¹ - (E) 328.4 119.5x 361.2x 341.3x 336.4x 336.5x 363.6x ▽

	<u>RWY</u>	<u>GS/TCH/RPI</u>	<u>CAT</u>	<u>DH/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HATH/</u> <u>HAA</u>	<u>CEIL-VIS</u>
PAR	23 ²	3.0°/37/706	ABCDE	271-1	250	(300-1)

¹RADAR svc avbl by PPR only, during sked field hrs, ctc ATC DSN 582-0697, C252-466-0697 for PPR. ²CAUTION: 20:1 visual area penetrated. Procedure NA at night.

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RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS

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N2

RADAR MINS

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RADAR INSTRUMENT APPROACH MINIMUMS

CHERRY POINT MCAS (KNKT), (CUNNINGHAM FLD) NC(09239 USN) ELEV 29

RADAR - (E) 118.35x 120.15x 275.6x 299.6x 305.2x 314.8x 320.4x 337.2x 348.0x ▾

	<u>RWY</u>	<u>GS/TCH/RPI</u>	<u>CAT</u>	<u>DH/ MDA-VIS</u>	<u>HAT/ HATH/ HAA</u>	<u>CEIL-VIS</u>
PAR	32L ^{1 3}	3.0°/36/668	ABCDE	126-¼	100	(100-¼)
	23R	3.0°/55/1051	AB	273-¾	250	(300-¾)
			CDE	273-1	250	(300-1)
			ABCDE	126-½	100	(100-½)
	5R ³	3.0°/39/733	ABCDE	127-½	100	(100-½)
ASR	32L ²		AB	340-½	314	(400-½)
			CDE	340-¾	314	(400-¾)
	23R ⁴		ABCDE	360-1	337	(400-1)
			AB	440-1	413	(500-1)
			CD	440-1¼	413	(500-1¼)
	5R		E	440-1½	413	(500-1½)
			AB	440-1	414	(500-1)
			C	440-1¼	414	(500-1¼)
			DE	440-1½	414	(500-1½)
			14L		AB	440-1
CIR	All Rwys		AB	520-1	491	(500-1)
			C	540-1½	511	(600-1½)
			DE	580-2	551	(600-2)

¹When ALS inop, increase vis CAT ABCDE to ½ mile. ²When ALS inop, increase vis CAT ABCDE to 1 mile. ³CAUTION: PAR RPI and PAPI RRP are not coincident. ⁴When ALS inop, increase vis CAT ABCD to 1 mile, CAT E to 1¼ miles.

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RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS

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N3

RADAR MINS

N4

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RADAR INSTRUMENT APPROACH MINIMUMS

COLUMBIA, SC

Amdt. 12, SEP 24, 2009 (FAA)

ELEV 236

COLUMBIA METROPOLITAN

RADAR- 133.4 285.6 124.15 338.2 ▽

ASR	RWY	GS/TCH/RPI	CAT	DA/	HAT/	CAT	DA/	HAT/
				MDA-VIS	HATH/ HAA CEIL-VIS		MDA-VIS	HATH/ HAA CEIL-VIS
	5		AB	700 /24	472 (500-½)	C	700 /40	472 (500-¾)
			D	700 /50	472 (500-1)			
	11		AB	680 /24	444 (500-½)	C	680 /40	444 (500-¾)
			D	680 /50	444 (500-1)			
	29		AB	720 /24	493 (500-½)	C	720 /40	493 (500-¾)
			D	720 /50	493 (500-1)			
	23		AB	680 /50	467 (500-1)	C	680 /60	467 (500-1¼)
			D	680 -1½	467 (600-1½)			
CIRCLING			AB	740 -1	504 (600-1)	C	840 -1¼	604 (700-1¼)
			D	880 -2	644 (700-2)			

LOST COMMUNICATIONS (ALL RWYS): As directed by ATC on initial contact.

COLUMBIA, SC

Amdt. 2, OCT 22, 2009 (FAA)

ELEV 193

JIM HAMILTON L.B. OWENS

RADAR-1 133.4 ▽ ▲ NA

ASR	RWY	GS/TCH/RPI	CAT	DA/	HAT/	CAT	DA/	HAT/
				MDA-VIS	HATH/ HAA CEIL-VIS		MDA-VIS	HATH/ HAA CEIL-VIS
	31		AB	720 -1¼	535 (600-1¼)	C	720 -1½	535 (600-1½)
			D	720 -1¼	535 (600-1¼)			
CIRCLING			NA					

Use Columbia Metropolitan altimeter setting. Visibility reduction by helicopters NA.
Lost Communications (All Rwsy): As directed by ATC on initial contact.

FLORENCE, SC

AMDT 1, MAR 12, 2009 (FAA)

ELEV 146

FLORENCE RGNL

RADAR-1 118.6 341.7 135.25 316.15 ▽ ▲ NA.

ASR	RWY	GS/TCH/RPI	CAT	DA/	HAT/	CAT	DA/	HAT/
				MDA-VIS	HATH/ HAA CEIL-VIS		MDA-VIS	HATH/ HAA CEIL-VIS
	1		ABC	480 -1	346 (400-1)	D	480 -1¼	346 (400-1¼)
			AB	680 -½	534 (600-½)			
	9*		D	680 -1¼	534 (600-1¼)	C	680 -1	534 (600-1)
			AB	860 -1	717 (800-1)			
	19**		D	860 -2¼	717 (800-2¼)	C	860 -2	717 (800-2)
			AB	560 -1	421 (500-1)			
	27		AB	560 -1	421 (500-1)	CD	560 -1¼	421 (500-1¼)
			D	740 -2	594 (600-2)			
CIRCLING			AB	640 -1	494 (500-1)	C	640 -1½	494 (500-1½)
CIRCLING*			AB	680 -1	534 (600-1)	C	680 -1½	534 (600-1½)
			D	740 -2	594 (600-2)			
CIRCLING**			AB	860 -1	714 (800-1)	C	860 -2	714 (800-2)
			D	860 -2¼	714 (800-2¼)			

When approach control closed, ASR NA.
LOST COMMUNICATIONS: As directed by ATC on initial contact.

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RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS

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RADAR MINS

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RADAR INSTRUMENT APPROACH MINIMUMS

GREENVILLE, SC

Amdt. 13A, SEP 25, 2008 (FAA)

ELEV 1048

GREENVILLE DOWNTOWN

RADAR- 118.8 385.4 ∇ Δ

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS
ASR	1		ABC	1480 -1¼	465 (500-1¼)	D	1480 -1¼	465 (500-1¼)
CIRCLING			AB	1620 -1¼	572 (600-1¼)	C	1620 -1¼	572 (600-1¼)
			D	1740 -2¼	692 (700-2¼)			

Alternate minimums: Standard, except CAT D 800-2¼, NA when control tower closed.

GREER, SC

Amdt. 6, SEP 1, 2005 (FAA)

ELEV 964

GREENVILLE-SPARTANBURG INTL - ROGER MILLIKEN

RADAR- 118.8 385.4 ∇ Δ

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA CEIL-VIS
ASR	22		ABC	1340 /40	376 (400-¾)	D	1340 /50	376 (400-1)
	4		ABC	1420 /40	471 (500-¾)	D	1420 /50	471 (500-1)
CIRCLING			AB	1420 -1¼	456 (500-1¼)	C	1420 -1¼	456 (500-1¼)
			D	1520 -2	556 (600-2)			

When APP CON closed, ASR NA.

For inoperative MALSR, increase S-22 Category D visibility to RVR 6000.

If local altimeter setting not received use Greenville Downtown altimeter setting and increase all MDAs 40 feet.

MC ENTIRE JNGB (MMT), SC (Eastover) (Orig 09295 USAF)

ELEV 252

RADAR¹² 125.4 385.6 143.55 281.525 316.4x 269.05x ∇

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATH/ HAA	CEIL-VIS
PAR ³	32	2.5°/52/1169	ABCDE	443/24	200	(200-½)
ASR ⁴	32		AB	640-½	397	(400-½)
			CD	640-¾	397	(400-¾)
			E	640-1	397	(400-1)
CIR	32		A	840-1	588	(600-1)
			B	860-1	608	(700-1)
			C	880-1¼	628	(700-1¼)
			D	880-2	628	(700-2)
			E	1020-2¾	768	(800-2¾)

¹If no transmissions are received for one minute in the pattern or five/fifteen seconds on final approach, attempt contact with McEntire Tower on 253.5 or 132.4 and proceed VFR. If unable, proceed with TACAN/ILS/VOR/NDB approach, maintain 2000 until established on/over fix/NAVAID/approach procedure. ²Remain within 4 NM of MMT VORTAC to avoid R-6001; if unable, expect 10 minute delay for activation. ³When ALS inop, increase RVR to 40 and vis to ¾ mile. ⁴When ALS inop, increase CAT ABC RVR to 50 and vis to 1 mile, CAT D RVR to 60 and vis to 1¼ miles, CAT E vis to 1½ miles.

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RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS

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RADAR MINS

N6

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RADAR INSTRUMENT APPROACH MINIMUMS

NEW BERN, NC

Amdt. 2B, JUL 2, 2009 (FAA)

ELEV 19

COASTAL CAROLINA RGNL

RADAR- 119.35 374.9 ▽

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATH/ HAA	CEIL-VIS
ASR	4		ABC	400-1	383	(400-1)	D	400-1½	383	(400-1½)
	22		AB	540-1	525	(600-1)	C	540-1½	525	(600-1½)
			D	540-1¾	525	(600-1¾)				
CIRCLING			AB	560-1	541	(600-1)	C	560-1½	541	(600-1½)
			D	580-2	561	(600-2)				

When Cherry Point MCAS control zone not in effect: 1. Procedure not authorized. 2. Alternate minimums not authorized.

NEW RIVER MCAS (KNCA), (MC CUTCHEON FLD) NC (Jacksonville) (08325 USN)

RADAR - (U) 118.575 132.2 279.575 289.4 308.4 346.325 350.225 353.875

ELEV 26

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATH/ HAA	CEIL-VIS
PAR	1 ¹	3.0°/45/877	ABCD	124-¾	100	(100-¾)
	5 ¹	3.0°/35/646	ABCD	126-¾	100	(100-¾)
	19	3.0°/41/750	ABCD	123-½	100	(100-½)
	23	3.0°/36/655	ABCD	125-½	100	(100-½)
PAR W/O GS	5 ²		ABCD	400-1	374	(400-1)
	1 ²		ABCD	400-1	376	(400-1)
	23		ABCD	420-1¼	395	(400-1¼)
	19		ABCD	420-1¼	397	(400-1¼)
ASR	5 ³		ABC	380-¾	354	(400-¾)
			D	380-1	354	(400-1)
	23		AB	440-1	415	(500-1)
			CD	440-1¼	415	(500-1¼)
			AB	440-1	417	(500-1)
			CD	440-1¼	417	(500-1¼)
CIR ASR	All Rwy		AB	500-1	474	(500-1)
			C	500-1½	474	(500-1½)
			D	580-2	554	(600-2)
CIR PAR W/O GS	All Rwy		AB	500-1¼	474	(500-1¼)
			C	500-1½	474	(500-1½)
			D	580-2	554	(600-2)

¹When ALS inop, increase vis to ½ mile. ²When ALS inop, increase vis CAT ABCD to 1¼ miles.

³When ALS inop, increase vis CAT ABC to 1 mile, CAT D to 1¼ miles.

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RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS

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RADAR MINS

N7

09295

RADAR INSTRUMENT APPROACH MINIMUMS

SIMMONS AAF (KFBG), NC (Fort Bragg) (08353 USA)

ELEV 244

RADAR¹ - (E) 120.8 124.2 257.65 284.675 ▾

	<u>RWY</u>	<u>GS/TCH/RPI</u>	<u>CAT</u>	<u>DH/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HATH/</u> <u>HAA</u>	<u>CEIL-VIS</u>
PAR	27	3.0°/36/628	ABC	428-½	200	(200-½)
			D	NA	NA	NA

¹Opr 1200-0400Z++ Mon-Fri, clsd hol. No-NOTAM preventive maint 1800-1900Z++ Fri.

WILMINGTON, NC

Amdt. 6C, NOV 20, 2008 (FAA)

ELEV 32

WILMINGTON INTL

RADAR- 118.25 135.75 284.65 346.35 ▾ ▲

	<u>RWY</u>	<u>GS/TCH/RPI</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HATH/</u> <u>HAA</u>	<u>CEIL-VIS</u>	<u>CAT</u>	<u>DA/</u> <u>MDA-VIS</u>	<u>HAT/</u> <u>HATH/</u> <u>HAA</u>	<u>CEIL-VIS</u>
ASR	17		ABC	460-1¼	428	(500-1¼)	D	460-1¼	428	(500-1¼)
	24		ABC	460-1¼	433	(500-1¼)	D	460-1¼	433	(500-1¼)
			ABC	480-1¼	451	(500-1¼)	D	480-1¼	451	(500-1¼)
	35		AB	540/40	509	(600-¾)	CD	540/50	509	(600-1)
CIRCLING			AB	540-1¼	508	(600-1¼)	C	540-1¼	508	(600-1½)
			D	640-2	608	(700-2)				

When control tower closed procedure not authorized.

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RADAR INSTRUMENT APPROACH MINIMUMS

RADAR MINS

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

09323

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKE-OFF 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 take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

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 take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

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

NAME	TAKE-OFF MINIMUMS
AIKEN, SC	
AIKEN MUNI (AIK)	
AMDT 1 08045 (FAA)	
	TAKE-OFF MINIMUMS: Rwy 1 , 200-1¼ or std. w/ min. climb of 220' per NM to 800, or alternatively, with std. takeoff min. and a normal 200' NM climb gradient, takeoff must occur no later than 1400' prior to departure end of runway.
	DEPARTURE PROCEDURE: Rwy 19 , climb heading 186° to 1100' before turning west.
	NOTE: Rwy 1 , terrain 74' from departure end of runway, 9' left of centerline, 496' MSL. Numerous trees beginning 169' from departure end of runway, 35' left of centerline, up to 100' AGL/659' MSL. Tree 6,023' from departure end of runway, 1,609' left of centerline, up to 100' AGL/649' MSL. Terrain beginning 75' from departure end of runway, 246' right of centerline up to 496' MSL. Numerous trees beginning 1322' from departure end of runway, 24' right of centerline, up to 100' AGL/609' MSL. Rwy 7 , terrain beginning 51' from departure end of runway, 207' right of centerline up to 499' MSL. Numerous trees beginning 1230' from departure end of runway, 550' right of centerline, up to 100' AGL/609' MSL. Numerous trees beginning 1601' from departure end of runway, 731' left of centerline, up to 56' AGL/563' MSL.

NAME	TAKE-OFF MINIMUMS
AIKEN MUNI (CON'T)	
	Rwy 19 , numerous trees beginning at departure end of runway, 110' right of centerline, up to 100' AGL/629' MSL. numerous trees beginning 6' from departure end of runway, 82' left of centerline, up to 100' AGL/639' MSL. Rwy 25 , tree 1244' from departure end of runway, 766' right of centerline, 73' AGL/572' MSL. Tree 1506' from departure end of runway, 661' left of centerline, 72' AGL/561' MSL.

ALBEMARLE, NC	
STANLY COUNTY (VUU)	
ORIG 09071 (FAA)	
	TAKE-OFF MINIMUMS: Rwys 4L, 22R , NA-VFR runway. Rwy 4R , 300-1¼ or std. w/ min. climb of 297' per NM to 1000.
	NOTE: Rwy 4R , trees 1.25 NM from DER, 2078' left of centerline, 100' AGL/859' MSL. Powerlines 1.1 NM from DER left to right of centerline 78' AGL/799' MSL. Rwy 22L , multiple trees beginning 196' from DER, 249' right of centerline, 100' AGL/709' MSL. Multiple trees beginning 847' from DER, 648' left of centerline, 100' AGL/699' MSL.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

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ANDERSON, SC

ANDERSON RGNL

NOTES: **Rwy 5**, multiple trees beginning 1282' from departure end of runway, 172' right of centerline, up to 93' AGL/879' MSL. Multiple trees beginning 85' from departure end of runway, 299' left of centerline, up to 89' AGL/878' MSL. **Rwy 17**, multiple trees beginning 1017' from departure end of runway, 25' right of centerline, up to 73' AGL/800' MSL. Multiple trees beginning 3' from departure end of runway, 47' left of centerline, up to 77' AGL/820' MSL. **Rwy 23**, transmission line tower and multiple trees beginning 1186' from departure end of runway, 552' left of centerline, up to 100' AGL/890' MSL. **Rwy 35**, multiple trees beginning 131' from departure end of runway, 279' right of centerline, up to 87' AGL/854' MSL. Ceilometer and tree beginning 257' from departure end of runway, 319' left of centerline, up to 73' AGL/820' MSL.

ANDREWS, NC

WESTERN CAROLINA RGNL

TAKE-OFF MINIMUMS: **Rwys 8, 26**, max. 180 KIAS 3400-2, max. 210 KIAS 3400-2½, max. 250 KIAS 3400-3. DEPARTURE PROCEDURE: **Rwys 8, 26**, procedure NA at night. Remain within 3 NM of Andrews-Murphy Airport while climbing in visual conditions to cross airport westbound at or above 4900. Then climb to 7000 via heading 251° and HARRIS (HRS) VORTAC R-356 to HRS VORTAC before proceeding on course.

ANDREWS, SC

ROBERT F. SWINNE

TAKE-OFF MINIMUMS: **Rwy 18**, 300-1. **Rwy 36**, 400-1. DEPARTURE PROCEDURE: **Rwys 18, 36**, climb runway heading to 500 before turning left. NOTE: **Rwy 18**, tower 165' from departure end of runway, 500' right of centerline, 118' AGL/145' MSL. Tree 630' from departure end of runway, 350' left of centerline, 87' AGL/114' MSL. Water tank 340' from departure end of runway, 1040' right of centerline, 129' AGL/156' MSL. **Rwy 36**, tree 60' from departure end of runway, 500' left of centerline, 67' AGL/85' MSL. Tree 10' from departure end of runway, 210' right of centerline, 55' AGL/73' MSL. Tree 10' from departure end of runway, 190' left of centerline, 32' AGL/50' MSL. Tree 720' from departure end of runway, 265' right of centerline, 34' AGL/61' MSL.

ASHEBORO, NC

ASHEBORO RGNL

TAKE-OFF MINIMUMS: **Rwy 3**, std. with a min. climb of 230' per NM to 1200. **Rwy 21**, 400-2 or std. with a min. climb of 340' per NM to 1200. DEPARTURE PROCEDURE: **Rwy 21**, climb runway heading to 1500 before turning southeast.

ASHEVILLE, NC

ASHEVILLE RGNL (AVL)

AMDT 8 09127 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16**, std. with a min. climb of 360' per NM to 6100, or 3300-3 for climb in visual conditions. **Rwy 34**, std. with a min. climb of 380' per NM to 5700, or 3300-3 for climb in visual conditions. DEPARTURE PROCEDURE: **Rwy 16**, climb direct BRA NDB, climb in holding pattern; hold South, right turns, 344° inbound to cross BRANDB at or above 6100 before proceeding on course or for climb in visual conditions; cross Asheville Rgnl Airport southbound at or above 5300 MSL direct BRA NDB before proceeding on course. NOTE: climb in visual NA at night. **Rwy 34**, climb direct KEANS (IM) LOM, climb in holding pattern; hold North, left turns, 164° inbound to cross KEANS LOM at or above 7000 before proceeding on course or for climb in visual conditions; cross Asheville Rgnl Airport northbound at or above 5300 MSL direct KEANS LOM before proceeding on course. Note: climb in visual NA at night.

NOTE: **Rwy 16**, tree 207' from DER, 529' left of centerline, 100' AGL/2148' MSL. **Rwy 34**, tree 543' from DER, 614' left of centerline, 100' AGL/2194' MSL. Tree 81' from DER, 41' left of centerline, 100' AGL/2172' MSL.

BARNWELL, SC

BARNWELL RGNL

TAKE-OFF MINIMUMS: **Rwy 17**, 300-2½ or std. w/ min. climb of 241' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 17**, climb heading 165° to 1100 before turning. **Rwy 23**, climb heading 230° to 1100 before turning south.

NOTE: **Rwy 5**, trees beginning 1959' from departure end of runway, 506' right of centerline, up to 100' AGL/329' MSL. Trees beginning 2458' from departure end of runway, 440' left of centerline, up to 100' AGL/359' MSL. **Rwy 17**, trees beginning 3225' from departure end of runway, 1092' right of centerline, up to 100' AGL/339' MSL. Tower 1.9 NM from departure end of runway, 3064' left of centerline, 366' AGL/544' MSL. **Rwy 23**, trees beginning 717' from departure end of runway, 237' right of centerline, up to 100' AGL/339' MSL. Trees beginning 971' from departure end of runway, 254' left of centerline, 100' AGL/349' MSL. Tree 2933' from departure end of runway, 559' left of centerline, 100' AGL/319' MSL. **Rwy 35**, trees beginning 948' from departure end of runway, 570' left of centerline, up to 100' AGL/349' MSL. Trees beginning 2805' from departure end of runway, 440' right of centerline, up to 100' AGL/359' MSL.

BEAUFORT, NC

MICHAEL J. SMITH FIELD

TAKE-OFF MINIMUMS: **Rwy 21**, 300-1 or std. with a min. climb of 500' per NM to 500.

NOTE: **Rwy 21**, tower 2831' from departure end of runway, 926' left of centerline, 162' AGL/172' MSL.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



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BEAUFORT, SC

BEAUFORT COUNTY

DEPARTURE PROCEDURE: **Rwy 7**, climb runway heading to 1700 before turning right. **Rwy 25**, climb runway heading to 300 before turning right.
NOTE: **Rwy 25**, tree 1100' from departure end of runway, 70' left of centerline, 40' AGL/50' MSL. Powerline 1000' from departure end of runway, on centerline, 30' AGL/35' MSL.

BENNETTSVILLE, SC

MARLBORO COUNTY JETPORT-H.E. AVENT FIELD (BBP)

ORIG 09155 (FAA)

NOTE: **Rwy 6**, trees beginning 383' from DER, 425' left of centerline, up to 100' AGL/249' MSL. Trees beginning 667' from DER, 420' right of centerline, up to 100' AGL/249' MSL. **Rwy 24**, trees beginning 653' from DER, 570' left of centerline, up to 100' AGL/239' MSL. Trees beginning 866' from DER, 422' right of centerline, up to 100' AGL/239' MSL.

BOGUE MCALF (KNJM)

SWANSBORO, NC 07270

TAKE-OFF OBSTACLES: **Rwy 05**, Trees, 82' MSL (60' AGL) 1253' from DER, 257' left of centerline. **Rwy 23**, Trees, 90' MSL (70' AGL), 540' from DER, 439' right of centerline. Trees, 90' MSL (70' AGL), 540' from DER, 439' right of centerline. Trees, 90' MSL (70' AGL), 608' from DER, 54' right of centerline.

BURLINGTON, NC

BURLINGTON-ALAMANCE RGNL

DEPARTURE PROCEDURE: **Rwy 6**, climb runway heading to 1200 before turning left.

CAMDEN, SC

WOODWARD FIELD

TAKE-OFF MINIMUMS: **Rwy 6**, 200-1¼ or std. w/ min. climb of 362' per NM to 700.
NOTE: **Rwy 6**, light 184' from departure end of runway, 500' right of centerline, 27' AGL/316' MSL. Trees beginning 867' from departure end of runway, 113' right of centerline, up to 83' AGL/373' MSL. Trees beginning 736' from departure end of runway, 256' left of centerline, up to 100' AGL/419' MSL. Water tank 5407' from departure end of runway, 1852' left of centerline, 168' AGL/487' MSL. **Rwy 14**, trees and terrain beginning 90' from departure end of runway, 68' left of centerline, up to 100' AGL/409' MSL. Trees and terrain beginning 159' from departure end of runway, 148' right of centerline, up to 100' AGL/399' MSL. **Rwy 24**, trees beginning 137' from departure end of runway, 413' right of centerline, up to 100' AGL/338' MSL. Trees beginning 234' from departure end of runway, 389' left of centerline, up to 100' AGL/347' MSL. **Rwy 32**, trees beginning 3059' from departure end of runway, 455' right of centerline, up to 100' AGL/449' MSL. Tree 5066' from departure end of runway, 858' left of centerline, 100' AGL/429' MSL.

CHAPEL HILL, NC

HORACE WILLIAMS

DEPARTURE PROCEDURE: **Rwy 9**, climb heading 090° to 1400 before turning southwest. **Rwy 27**, climb heading 270° to 2400 before turning south.
NOTE: **Rwy 9**, trees 1084' from departure end of runway, 250' left of centerline, 82' AGL/551' MSL. Trees 785' from departure end of runway, 401' right of centerline, 56' AGL/520' MSL. **Rwy 27**, trees 200' from departure end of runway, 240' left of centerline, 43' AGL/542' MSL.

CHARLESTON, SC

CHARLESTON AFB/INTL (CHS)

AMDT 6 08045 (FAA)

NOTE: **Rwy 3**, multiple trees beginning 1157' from departure end of runway, 184' left of centerline, up to 77' AGL/111' MSL. Electrical equipment, microwave tower, and multiple trees beginning 102' from departure end of runway, 58' right of centerline, up to 104' AGL/136' MSL. **Rwy 15**, multiple trees beginning 213' from departure end of runway, 413' left of centerline, up to 93' AGL/107' MSL. Multiple trees beginning 200' from departure end of runway, 378' right of centerline, up to 42' AGL/66' MSL. **Rwy 21**, multiple trees beginning 42' from departure end of runway, 142' left of centerline, up to 92' AGL/111' MSL. Multiple trees beginning 1057' from departure end of runway, 199' right of centerline, up to 95' AGL/114' MSL. **Rwy 33**, trees 1797' from departure end of runway, 953' right of centerline, 84' AGL/128' MSL.

CHARLESTON EXECUTIVE

DEPARTURE PROCEDURE: **Rwy 22**, climb to 700 before turning west.

CHARLOTTE, NC

CHARLOTTE/DOUGLAS INTL (CLT)

AMDT 4 08325 (FAA)

DEPARTURE PROCEDURE: **Rwy 5**, climb heading 055° to 1700 before turning right. **Rwy 36C**, climb heading 003° to 1400 before turning left.
NOTE: **Rwy 5**, multiple trees beginning 1031' from departure end of runway, 480' left of centerline, up to 127' AGL/856' MSL. **Rwy 18L**, tower and pole beginning 981' from departure end of runway, 708' left of centerline, up to 160' AGL/850' MSL. Multiple trees beginning 1235' from departure end of runway, 707' right of centerline, up to 48' AGL/767' MSL. **Rwy 18C**, multiple trees beginning 1688' from departure end of runway, 735' left of centerline, up to 108' AGL/787' MSL. Multiple trees beginning 3251' from departure end of runway, 995' right of centerline, up to 102' AGL/841' MSL. **Rwy 23**, multiple trees beginning 3493' from departure end of runway, 198' left of centerline, up to 99' AGL/818' MSL. Multiple trees beginning 1491' from departure end of runway, 603' right of centerline, up to 74' AGL/823' MSL. **Rwy 36C**, multiple trees beginning 1937' from departure end of runway, 725' left of centerline, up to 54' AGL/823' MSL. Multiple trees beginning 1420' from departure end of runway, 309' right of centerline, up to 104' AGL/823' MSL. **Rwy 36R**, pole and multiple trees beginning 921' from departure end of runway, 416' left of centerline, up to 94' AGL/853' MSL. Railroad, antenna, multiple poles and trees beginning 471' from departure end of runway, 93' right of centerline, up to 96' AGL/855' MSL.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES





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CHERAW, SC

CHERAW MUNI/LYNCH BELLINGER FIELD

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

CHERRY POINT MCAS (CUNNINGHAM FLD) (KNKT)

CHERRY POINT, NC 08073

Rwy 5R, 14L, 23R, 32L: Diverse departures not authorized.
TAKE-OFF OBSTACLES: **Rwy 5L:** Tree, 2765' from DER, 985' left of centerline, 91' MSL; Tree, 2414' from DER, 974' left of centerline, 87' MSL; Tree, 1470' from DER, 838' left of centerline, 85' MSL; Tree, 686' from DER, 678' left of centerline, 62' MSL; Tree, 1074' from DER, 497' left of centerline, 54' MSL; Tree, 780' from DER, 566' left of centerline, 50' MSL. **Rwy 14R:** Tree, 960' from DER, 727' left of centerline, 47' MSL.

CHESTER, SC

CHESTER CATAWBA RGNL (DCM)

ORIG 09015 (FAA)

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

CLEMSON, SC

OCONEE COUNTY RGNL

DEPARTURE PROCEDURE: **Rwy 25**, climb heading 252° to 1900 before turning right.
NOTE: **Rwy 7**, multiple trees beginning 25' from departure end of runway, 185' right of centerline, up to 100' AGL/923' MSL. Multiple trees beginning 35' from departure end of runway, 184' left of centerline, up to 100' AGL/912' MSL. **Rwy 25**, multiple trees and poles beginning 109' from departure end of runway, 2' right of centerline, up to 100' AGL/960' MSL. Multiple trees and poles beginning 123' from departure end of runway, 8' left of centerline, up to 100' AGL/973' MSL.

CLINTON, NC

SAMPSON COUNTY (CTZ)

AMDT 1 09267 (FAA)

NOTE: **Rwy 6**, trees beginning 9' from DER, 404' right of centerline, up to 65' AGL/215' MSL. Trees beginning 384' from DER, left and right of centerline, up to 125' AGL/245' MSL. **Rwy 24**, trees beginning 13' from DER, left and right of centerline, up to 100' AGL/219' MSL.

COLUMBIA, SC

COLUMBIA METROPOLITAN (CAE)

AMDT 1 09239 (FAA)

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

JIM HAMILTON L.B. OWENS (CUB)

AMDT 3 09323 (FAA)

TAKE-OFF MINIMUMS: **Rwy 31**, 600-2½ or std. with min. climb of 345' per NM to 1000.
DEPARTURE PROCEDURE: **Rwy 31**, climb heading 311° to 1500 before turning Northbound.
NOTE: **Rwy 13**, trains beginning at DER, 138' right of centerline, up to 23' AGL/202' MSL. Trees beginning 3' from DER, 88' right of centerline, up to 106' AGL/255' MSL. Trees beginning 131' from DER, 84' left of centerline, up to 97' AGL/256' MSL. **Rwy 31**, trains beginning at DER, 437' left of centerline, up to 23' AGL/222' MSL. Buildings beginning 632' from DER, 260' right of centerline, up to 372' AGL/681' MSL. Buildings beginning 1050' from DER, 20' left of centerline, up to 50' AGL/252' MSL. Tower 2.1 NM from DER, 3510' right of centerline, 422' AGL/747' MSL.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

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CONCORD, NC

CONCORD RGNL (JQF)

AMDT 2 08101 (FAA)

TAKE-OFF MINIMUMS: **Rwy 2**, 300-1½ or std. w/min. climb of 210' per NM to 1000, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1400' prior to departure end of runway. **Rwy 20**, 200-1¾ or std. w/min. climb of 204' per NM to 1000, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1200' prior to departure end of runway.

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 2000 before proceeding on course.

NOTE: **Rwy 2**, multiple poles and trees beginning 2444' from departure end of runway, 6' left of centerline, up to 43' AGL/792' MSL. Multiple poles and trees beginning 2104' from departure end of runway, 242' right of centerline, up to 27' AGL/786' MSL. Powerline 1.3 NM from departure end of runway, 2049' left of centerline, 164' AGL/908' MSL. **Rwy 20**, multiple street lights beginning 3047' from departure end of runway, 196' right of centerline, up to 105' AGL/744' MSL. Trees 1.3 NM from departure end of runway, 1581' right of centerline, up to 100' AGL/849' MSL.

CONWAY, SC

CONWAY-HORRY COUNTY

NOTE: **Rwy 4**, multiple trees 2307' from departure end of runway, 193' left of centerline, up to 100' AGL/134' MSL.

Rwy 22, multiple trees 963' from departure end of runway, 97' right of centerline, up to 40' AGL/75' MSL.

CURRITUCK, NC

CURRITUCK COUNTY RGNL (ONX)

AMDT 1 09127 (FAA)

DEPARTURE PROCEDURE: **Rwy 5**, climb heading 045° to 1300 before proceeding on course. **Rwy 23**, climb heading 240° to 4000 before turning southbound.

NOTE: **Rwy 5**, trees beginning 41' from DER, 166' left of centerline, up to 100' AGL/122' MSL. Tree 4058' from DER, 388' right of centerline, 100' AGL/124' MSL.

Rwy 23, trees beginning 60' from DER, 384' left of centerline, up to 100' AGL/115' MSL. Trees beginning 201' from DER, 427' right of centerline, up to 100' AGL/121' MSL.

DARLINGTON, SC

DARLINGTON COUNTY JETPORT

DEPARTURE PROCEDURE: **Rwy 34**, climb heading 343° to 900' before proceeding on course.

NOTE: **Rwy 5**, multiple trees beginning 11' from departure end of runway, 241' left of centerline, up to 97' AGL/246' MSL. Multiple trees beginning 72' from departure end of runway, 29' right of centerline, up to 97' AGL/236' MSL. **Rwy 10**, multiple trees beginning 20' from departure end of runway, 358' left of centerline, up to 74' AGL/243' MSL. Multiple trees beginning 1526' from departure end of runway, 46' right of centerline, up to 100' AGL/289' MSL. **Rwy 16**, multiple trees beginning 70' from departure end of runway, 258' right of centerline, up to 113' AGL/292' MSL. Tree 1295' from departure end of runway, 135' left of centerline, 70' AGL/256' MSL. **Rwy 23**, antenna 18' from departure end of runway, 263' left of centerline, 9' AGL/194' MSL. Trees beginning 241' from departure end of runway, 394' left of centerline, up to 70' AGL/249' MSL. Tree 732' from departure end of runway, 427' right of centerline, 33' AGL/212' MSL. **Rwy 28**, multiple trees beginning 405' from departure end of runway, 214' left of centerline, up to 100' AGL/299' MSL. Tree 2840' from departure end of runway, 46' right of centerline, 100' AGL/309' MSL.

Rwy 34, tree 2008' from departure end of runway, 273' right of centerline, 87' AGL/277' MSL.

DILLON, SC

DILLON COUNTY

DEPARTURE PROCEDURE: **Rwys 7, 25**, climb to 2200 on runway heading before turning south.

EDENTON, NC

NORTHEASTERN RGNL (EDE)

ORIG 09211 (FAA)

NOTE: **Rwy 1**, trees beginning 23' from DER, left and right of centerline, up to 100' AGL/117' MSL. **Rwy 19**, poles beginning 1038' from DER, 567' left of centerline, 37' AGL/47' MSL. Trees beginning 1258' from DER, left and right of centerline, up to 100' AGL/114' MSL.

ELIZABETH CITY, NC

ELIZABETH CITY COAST GUARD AIR

STATION/RGNL

NOTE: When tethered balloon located approximately 2 NM southeast of airport is flying: **Rwys 1, 10**, climb runway heading to 4000 before turning south. **Rwy 19**, climb to 4000 via ECG R-160 before turning east.

Rwy 28, climb runway heading to 4000 before turning east.

ELIZABETHTOWN, NC

CURTIS L BROWN JR FIELD (EYF)

ORIG 09183 (FAA)

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

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

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES


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ELKIN, NC**ELKIN MUNI**

TAKE-OFF MINIMUMS: **Rwy 7**, 300-1 or std. with a min. climb of 270' per NM to 1300. **Rwy 25**, 300-1 or std. with a min. climb of 290' per NM to 1300.

DEPARTURE PROCEDURE: **Rwys 7, 25**, climb to 3900 before turning north.

ERWINE, NC**HARNETT RGNL JETPORT**

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

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

FAYETTEVILLE, NC**FAYETTEVILLE RGNL/GRANNIS FIELD (FAY)
ORIG 08213 (FAA)**

NOTE: **Rwy 4**, trees beginning 154' from departure end of runway, 117' right of centerline, up to 79' AGL/189' MSL. Trees beginning 344' from departure end of runway, 240' left of centerline, up to 63' AGL/173' MSL. **Rwy 10**, trees beginning 182' from departure end of runway, 295' right of centerline, up to 43' AGL/223' MSL. Trees beginning 451' from departure end of runway, 383' left of centerline, up to 62' AGL/242' MSL. **Rwy 22**, vehicle on road 98' from departure end of runway, left and right of centerline, up to 15' AGL/186' MSL. Trees beginning 1059' from departure end of runway, 551' right of centerline, up to 94' AGL/264' MSL.

FLORENCE, SC**FLORENCE RGNL (FLO)
AMDT 5 09071 (FAA)**

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

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

FRANKLIN, NC**MACON COUNTY (1A5)
ORIG 09071 (FAA)**

TAKE-OFF 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 3NM of Macon County airport to cross airport south bound at or above 7600 via ODF R-349 to ODF VORTAC.

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

GASTONIA, NC**GASTONIA MUNI (AKH)
AMDT 4 08101 (FAA)**

DEPARTURE PROCEDURE: **Rwy 3**, climb heading 049° to 2600 before proceeding West or North. **Rwy 21**, climb heading 214° to 1500 before proceeding North.

NOTE: **Rwy 3**, multiple trees beginning 1200' from departure end of runway, 433' left of centerline, up to 80' AGL/859' MSL. Multiple trees beginning 162' from departure end of runway, 371' right of centerline, up to 136' AGL/885' MSL. **Rwy 21**, antenna and multiple trees beginning 269' from departure end of runway, 210' left of centerline, up to 101' AGL/880' MSL. Multiple trees beginning 252' from departure end of runway, 264' right of centerline, up to 136' AGL/885' MSL.

GEORGETOWN, SC**GEORGETOWN COUNTY**

DEPARTURE PROCEDURE: **Rwys 5, 23, 29, 34**, climb runway heading to 500 before turning.

GOLDSBORO, NC**GOLDSBORO-WAYNE MUNI**

NOTE: **Rwy 5**, tree 445' from departure end of runway, 498' right of centerline, 23' AGL/158' MSL. **Rwy 23**, tree 158' from departure end of runway, 311' right of centerline, 11' AGL/143' MSL. Tree 1788' from departure end of runway, 281' right of centerline, 52' AGL/184' MSL. Tree 2770' from departure end of runway, 354' right of centerline, 111' AGL/239' MSL.

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GREENSBORO, NC

PIEDMONT TRIAD INTL (GSO)

AMDT 1 09295 (FAA)

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

GREENVILLE, NC

PITT-GREENVILLE

TAKE-OFF MINIMUMS: **Rwy 15**, 300-1 ½ or std. with a min. climb of 220' per NM to 300. **Rwy 20**, 200-1 or std. with a min. climb of 425' per NM to 300.

NOTE: **Rwy 2**, tree 1633' from departure end of runway, 741' right of centerline, -115' MSL. Tree 3303' from departure end of runway, 575' left of centerline, -123' MSL. **Rwy 8**, tree 181' from departure end of runway, 517' left of centerline, -108' MSL. Tree 3434' from departure end of runway, 724' right of centerline, -134' MSL. **Rwy 15**, tower 1.2NM from departure end of runway, 1808' right of centerline, 191' AGL/231' MSL. Rod 1744' from departure end of runway, 966' left of centerline, -86' MSL. **Rwy 20**, tree 2834' from departure end of runway, 986' left of centerline, -171' MSL. Antenna 4857' from departure end of runway, 1798' right of centerline, -165' MSL. **Rwy 26**, tree 1026' from departure end of runway, 546' left of centerline, -108' MSL. Tree 2611' from departure end of runway, 512' right of centerline, -81' MSL. **Rwy 33**, tree 199' from departure end of runway, 372' left of centerline, -92' MSL. Tree 489' from departure end of runway, 473' right of centerline, -91' MSL.

GREENVILLE, SC

DONALDSON CENTER

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

NOTE: **Rwy 5**, antenna on obstruction light tower 1.7 NM from departure end of runway, 2183' left of centerline, 250' AGL/1167' MSL. Multiple trees beginning 1103' from departure end of runway, 151' right of centerline, up to 50' AGL/985' MSL. **Rwy 23**, stack 2761' from departure end of runway, 1152' left of centerline, 100' AGL/1026' MSL. Multiple trees beginning 2339' from departure end of runway, 231' right of centerline, up to 90' AGL/1001' MSL. Multiple trees beginning 2419' from departure end of runway, 52' left of centerline, up to 95' AGL/1020' MSL.

GREENVILLE, SC (CON'T)

GREENVILLE DOWNTOWN

TAKE-OFF MINIMUMS: **Rwy 10**, 400-2¼ or std. with a min. climb of 250' per NM to 1600.

DEPARTURE PROCEDURE: **Rwy 1**, climb heading 006° to 2400 before turning left. **Rwy 28**, climb heading 276° to 1900 before turning right.

NOTE: **Rwy 1**, numerous trees 200' from departure end of runway, 400' right of centerline, 20' AGL/1087' MSL. Numerous trees 400' from departure end of runway, 575' left of centerline, 80' AGL/1123' MSL. Pole 860' from departure end of runway, 500' right of centerline, 30' AGL/1106' MSL. Numerous trees 1100' from departure end of runway, 750' right of centerline, 63' AGL/1179' MSL. Tree 1487' from departure end of runway, 657' right of centerline, 51' AGL/1157' MSL. **Rwy 10**, tree 311' from departure end of runway, 190' right of centerline, 36' AGL/1031' MSL. Tree 43' from departure end of runway, 370' right of centerline, 59' AGL/1050' MSL. Tree 429' from departure end of runway, 150' left of centerline, 45' AGL/1030' MSL. Tree 691' from departure end of runway, 390' left of centerline, 60' AGL/1051' MSL. Antenna 5221' from departure end of runway, 843' left of centerline, 152' AGL/1173' MSL. Building on hill 1.86 NM from departure end of runway, 500' right of centerline, 186' AGL/1374' MSL. **Rwy 19**, pole 432' from departure end of runway, 500' left of centerline, 25' AGL/1003' MSL. Tree 2905' from departure end of runway, 900' right of centerline, 66' AGL/1070' MSL. Tower 9.55 NM from departure end of runway, 4.2 NM left of centerline, 798' AGL/1849' MSL. **Rwy 28**, tree 364' from departure end of runway, 248' left of centerline, 46' AGL/1014' MSL. Tree 1042' from departure end of runway, 233' right of centerline, 88' AGL/1040' MSL. Stack 2846' from departure end of runway, 482' left of centerline, 69' AGL/1064' MSL. Building 1.93 NM from departure end of runway, 2045' right of centerline, 314' AGL/1315' MSL.

GREENWOOD, SC

GREENWOOD COUNTY (GRD)

ORIG 08017 (FAA)

NOTE: **Rwy 9**, tree 1859' from departure end of runway, 990' left of centerline, 100' AGL/719' MSL.

GREER, SC

GREENVILLE-SPARTANBURG INTL-ROGER MILLIKEN

DEPARTURE PROCEDURE: **Rwy 4**, climb via heading 038° to 2800 before turning left.

NOTE: **Rwy 4**, tree 1454' from departure end of runway, 146' left of centerline, 78' AGL/1023' MSL.

HARTSVILLE, SC

HARTSVILLE REGIONAL (HSV)

ORIG 08045 (FAA)

NOTE: **Rwy 3**, trees beginning 2478' from departure end of runway, 684' right of centerline, up to 100' AGL/489' MSL. trees beginning 405' from departure end of runway, 363' left of centerline, up to 100' AGL/479' MSL. Road and vehicle 59' from departure end of runway, 418' right of centerline, up to 15' AGL/374' MSL. **Rwy 21**, trees beginning 128' from departure end of runway, 255' right of centerline, up to 100' AGL/439' MSL. Trees beginning 216' from departure end of runway, 325' left of centerline, up to 100' AGL/429' MSL. Road and vehicle 11' from departure end of runway, 335' right of centerline, up to 15' AGL/364' MSL.

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HATTERAS, NC

BILLY MITCHELL (HSE)
ORIG 09267 (FAA)

NOTE: **Rwy 7**, trees beginning 388' from DER, left of centerline, up to 100' AGL/169' MSL. **Rwy 25**, trees 512' from DER, 103' right of centerline, 100' AGL/110' MSL. Boat mast 2107' from DER, 664' left of centerline, 100' AGL/100' MSL.

HICKORY, NC

HICKORY RGNL

TAKE-OFF MINIMUMS: **Rwys 19, 24**, std. with a min. climb of 300' per NM to 3000.

DEPARTURE PROCEDURE: Use HICKORY ONE DEPARTURE.

NOTE: **Rwy 1**, tree 50' from departure end of runway, 382' right of centerline, 79' AGL/1228' MSL. **Rwy 19**, tree 1253' from departure end of runway, 661' right of centerline, 92' AGL/1211' MSL. **Rwy 24**, tree 315' from departure end of runway, 584' left of centerline, 99' AGL/1218' MSL.

HILTON HEAD ISLAND, SC

HILTON HEAD

NOTE: **Rwy 3**, numerous trees 328' from departure end of runway, 428' left of departure end of runway, 86' AGL/106' MSL. Numerous trees 319' from departure end of runway, 390' right of departure end of runway, 83' AGL/97' MSL. **Rwy 21**, numerous trees 39' from departure end of runway, 357' right of departure end of runway, 94' AGL/111' MSL. Numerous trees 368' from departure end of runway, 332' left of departure end of runway, 73' AGL/87' MSL. Numerous trees 1421' from departure end of runway, 221' right of departure end of runway, 74' AGL/91' MSL. Numerous trees 1207' from departure end of runway, 329' left of departure end of runway, 85' AGL/99' MSL.

JACKSONVILLE, NC

ALBERT J. ELLIS

DEPARTURE PROCEDURE: **Rwy 23**, climb on runway heading to 500 before turning right.

JEFFERSON, NC

ASHE COUNTY

TAKE-OFF MINIMUMS: **Rwys 10, 28**, 1900-3.

DEPARTURE PROCEDURE: **Rwys 10, 28**, climb visually over the airport to 5000 before proceeding on course.

KENANSVILLE, NC

DUPLIN COUNTY (DPL)

ORIG 09015 (FAA)

NOTE: **Rwy 5**, trees beginning 30' from departure end of runway, 156' right of centerline, up to 100' AGL/238' MSL. Trees beginning 1915' from departure end of runway, 126' left of centerline, up to 100' AGL/231' MSL. Vehicles on road 641' from departure end of runway, left and right of centerline, up to 17' AGL/156' MSL. **Rwy 23**, trees beginning 12' from departure end of runway, 329' left of centerline, up to 100' AGL/218' MSL. Trees beginning 16' from departure end of runway, 59' right of centerline, up to 100' AGL/225' MSL.

KINGSTREE, SC

WILLIAMSBURG RGNL

TAKE-OFF MINIMUMS: **Rwy 32**, 200-1 or std. w/ min. climb of 353' per NM to 300.

DEPARTURE PROCEDURE: **Rwy 14**, climb heading 132° to 800 before turning north.

NOTE: **Rwy 32**, multiple trees beginning 165' from departure end of runway, 360' right of centerline, up to 71' AGL/175' MSL.

KINSTON, NC

KINSTON RGNL JETPORT AT STALLINGS
FIELD

DEPARTURE PROCEDURE: **Rwy 5**, climb heading 050° to 1800 before turning east.

NOTE: **Rwy 5**, multiple poles 1521' from departure end of runway, 237' right of centerline, up to 64' AGL/137' MSL. Pole 1625' from departure end of runway, 53' left of centerline, 52' AGL/128' MSL. Multiple trees 1873' from departure end of runway, 110' right of centerline, up to 73' AGL/173' MSL. **Rwy 23**, multiple trees 770' from departure end of runway, 598' left of centerline, up to 87' AGL/186' MSL, multiple trees 1092' from departure end of runway, 109' right of centerline, up to 49' AGL/148' MSL.

LAKE CITY, SC

LAKE CITY MUNI CJ EVANS FIELD

TAKE-OFF MINIMUMS: **Rwy 1**, 500-2½ or std. w/ min. climb of 375' per NM to 700. **Rwy 19**, 300-1 or std. w/ min. climb of 404' per NM to 400.

NOTE: **Rwy 1**, tree 1474' from departure end of runway, 189' right of centerline, 62' AGL/143' MSL. Multiple towers beginning 1.6 NM from departure end of runway, 1285' left of centerline, up to 411' AGL/491' MSL. **Rwy 19**, tree 1428' from departure end of runway, 225' right of centerline, 53' AGL/134' MSL. Tank 4906' from departure end of runway, 1349' left of centerline, 180' AGL/254' MSL.

LANCASTER, SC

LANCASTER COUNTY- MCWHIRTER FIELD

TAKE-OFF MINIMUMS: **Rwy 6**, 300-1.

LEXINGTON, NC

DAVIDSON COUNTY

TAKE-OFF MINIMUMS: **Rwy 6**, 300-1 or std. with a min. climb of 290' per NM to 900.

LIBERTY, NC

CAUSEY

TAKE-OFF MINIMUMS: **Rwys 2, 20**, 300-1.

DEPARTURE PROCEDURE: **Rwy 20**, for departures 245° CW 020°; climbing left turn direct LIB VORTAC, then proceed outbound via LIB R-256 to 3000 before proceeding on course.

LINCOLNTON, NC

LINCOLNTON-LINCOLN COUNTY RGNL

DEPARTURE PROCEDURE: **Rwy 5**, climb runway heading to 3200 before turning right. **Rwy 23**, climb runway heading to 3200 before turning left. Departure procedure not required for aircraft with a min. climb of 300' per NM to 3200.

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LUMBERTON, NC

LUMBERTON MUNI

TAKE-OFF MINIMUMS: Rwy 31, 400-1. DEPARTURE PROCEDURE: Rwy 31, climb 270° heading to 600 before turning.

MANNING, SC

SANTEE COOPER RGNL (MNI) ORIG 09043 (FAA)

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

MANTEO, NC

DARE COUNTY RGNL

TAKE-OFF MINIMUMS: Rwys 5, 17, 35, 300-1.

MARION, SC

MARION COUNTY

TAKE-OFF MINIMUMS: Rwy 4, 400-1 or std. with a min. climb of 330' per NM to 600. DEPARTURE PROCEDURE: Rwy 4, climb runway heading to 1000 before turning.

MAXTON, NC

LAURINBURG-MAXTON

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

MC ENTIRE JNGB (MMT)

EASTOVER, SC. 08353

..... Rwy 5*
..... Rwy 23**
..... Rwy 32***

* Standard with CG of 310'/NM to 2700.
** Standard with CG of 210'/NM to 1100.
*** Standard with CG of 230'/NM to 2700.
DEPARTURE PROCEDURE: Rwy 5, For climb in visual conditions: Ceiling 1400', Visibility 2.0 SM, remain within 4.8 NM of KMMT airport, cross KMMT airport at or above 1500' MSL before proceeding on course. Max airspeed 180 KIAS. Rwy 23, For climb in visual conditions: Ceiling 1300', Visibility 1.5 SM, remain within 4.2 NM of KMMT airport, cross KMMT airport at or above 1400' MSL before proceeding on course. Max airspeed 180 KIAS. Rwy 32, Departing eastbound, complete turn within 4 NM to avoid R-6001, if unable, advise Control Tower prior to taxi. For climb in visual conditions: Ceiling 1600', Visibility 2.5 SM, remain within 5.5 NM of KMMT airport, cross KMMT airport at or above 1700' MSL before proceeding on course. Max airspeed 250 KIAS.

TAKE-OFF OBSTACLES: Rwy 5: Helicopter parked 134' from DER, 323' left of centerline, NDB 1573' from DER, 591' left of centerline. Multiple trees left of centerline beginning 2319' out to 2915' from DER, 338' to 875' left of centerline, 70' AGL/309' MSL up to 319' MSL. Multiple trees right of centerline beginning 2190' out to 3838' from DER, 257' to 767' right of centerline, from 70' to 110' AGL/309' MSL up to 379' MSL. Rwy 14: Multiple trees beginning from 2328' from DER, 942' right of centerline, 110' AGL/329' MSL. Multiple trees left of centerline beginning 2400' out to 3781' from DER, 682' to 1199' left of centerline, from 90' to 91' AGL/289' to 319' MSL. Aircraft 120' from DER, 400' right of centerline, 39' AGL/255' MSL. Pylon 2665' from DER 1713' right of centerline, 109' AGL/320' MSL. Pylon 3279' from DER 1554' left of centerline, 109' AGL/322' MSL. Rwy 23: Multiple trees right of centerline beginning from 2444' out to 4131' from DER, 45' to 1297' right of centerline, from 90' to 120' AGL/319' to 359' MSL. Aircraft 1921' from DER, 402' right of centerline, 39' AGL/288' MSL. Tower 2885' from DER 98' right of centerline, 120' AGL/370' MSL. Building 907' from DER 157' right of centerline 12' AGL/259' MSL. Wind Sensors 490' from DER, 531' left of centerline, 33' AGL/274' MSL. Power lines 2990' from DER, 1057' right of centerline, 35' AGL/294' MSL. Building 1356' from DER, 154' right of centerline, 18' AGL/266' MSL. Rwy 32: Multiple trees right of centerline beginning 3240' out to 3290' from DER, 499' to 998' right of centerline, up to 130' AGL/349' MSL. Multiple trees left of centerline beginning 684' out to 4871' from DER, 1' to 1651' left of centerline up to 130' AGL/329' to 379' MSL. Localizer array 1116' from DER, 2' left of centerline, up to 5' AGL/284' MSL. Windscock 103' from DER, 417' left of centerline, up to 23' AGL/293' MSL.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

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MOCKSVILLE, NC

TWIN LAKES

TAKE-OFF MINIMUMS: **Rwy 27**, 300-1

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

MONCK'S CORNER, SC

BERKELEY COUNTY (MKS)

ORIG 09015 (FAA)

TAKE-OFF MINIMUMS: **Rwy 5**, 300-1½ or std. w/min. climb of 215' per NM to 400.

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

MONROE, NC

CHARLOTTE-MONROE EXECUTIVE

NOTES: **Rwy 5**, multiple trees beginning 57' from departure end of runway, 379' right of centerline, up to 80' AGL/759' MSL. Multiple trees beginning 2130' from departure end of runway, 998' left of centerline, up to 100' AGL/759' MSL. **Rwy 23**, tree 3637' from departure end of runway, 733' right of centerline, 100' AGL/769' MSL. Tree 7880' from departure end of runway, 1254' left of centerline, 100' AGL/757' MSL.

MOORESVILLE, NC

LAKE NORMAN AIRPARK

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

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

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

MORGANTON, NC

FOOTHILLS RGNL

DEPARTURE PROCEDURE: **Rwy 3**, climbing left turn direct FIQ NDB, continue climbing in holding pattern (southwest, left turns, 031° inbound) to 5000 before proceeding on course. **Rwy 21**, climb direct FIQ NDB, continue climbing in holding pattern (southwest, left turns, 031° inbound) to 5000 before proceeding on course.

MOUNT AIRY, NC

MOUNT AIRY/SURRY COUNTY

DEPARTURE PROCEDURE: **Rwy 18**, climb direct AZW NDB, climb in AZW NDB holding pattern (N, right turns, 179° inbound) to 5000 before proceeding on course. **Rwy 36**, climbing left turn direct AZW NDB, climb in AZW NDB holding pattern (N, right turns, 179° inbound) to 5000 before proceeding on course.

NOTE: **Rwy 36**, 70' AGL powerline 500' right of departure end of runway.

MOUNT OLIVE, NC

MOUNT OLIVE MUNI

TAKE-OFF MINIMUMS: **Rwy 23**, 300-1 or std. with a min. climb of 300' per NM to 500.

MOUNT PLEASANT, SC

MT PLEASANT RGNL-FAISON FIELD

DEPARTURE PROCEDURE: **Rwys 17, 35**, climb runway heading to 2100 before turning east.

MYRTLE BEACH, SC

MYRTLE BEACH INTL

DEPARTURE PROCEDURE: **Rwy 18**, climb runway heading to 400 before turning left.

NEWBERN, NC

COASTAL CAROLINA RGNL (EWN)

AMDT 3B 09183 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1. DEPARTURE PROCEDURE: **Rwys 4, 32**, climb runway heading to 900' before turning north.

NOTES: **Rwy 22**, 75' AGL trees 958' from departure end of runway, 705' right of centerline. **Rwy 14**, 79' AGL trees 1297' from departure end of runway, 531' right of centerline. **Rwy 32**, 91' AGL trees 743' from departure end of runway, 626' left of centerline.

NEWBERRY, SC

NEWBERRY COUNTY (EOE)

AMDT 1 08325 (FAA)

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

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



09323

NORTH AF AUX (KXNO)

NORTH, SC. 08157

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

TAKEOFF OBSTACLES: **Rwy 5**, Terrain 1' to 40' from DER 41' to 309' left of centerline, 328' MSL. Possible vehicle on road extending across extended runway centerline 473' from DER 336' left to 711' right of centerline, 15' AGL/349' MSL. Possible C5 on taxiway 12' inward of DER 484' left of centerline, 65' AGL/387' MSL. Possible C5 on taxiway 31' inward of DER 235' left of centerline, 66' AGL/387' MSL. Building 917' from DER 641' right of centerline, 30' AGL/364' MSL. Trees 1215' to 1419' from DER 376' to 570' right of centerline, 92' AGL/398' MSL. Pylon 3627' from DER 1029' left of centerline, 79' AGL/366' MSL. **Rwy 6**, Terrain 1' to 237' from DER 85' to 563' left of centerline, 329' MSL; Possible C5 on taxiway 627' from DER 597' right of centerline, 65' AGL/387' MSL; Possible C5 on taxiway 833' from DER 374' right of centerline, 65' AGL/388' MSL. Trees 2412' to 2812' from DER 749' to 1197' left of centerline, 103' AGL/407' MSL; Trees 1722' to 2044' from DER 844' to 899' left of centerline, 72' AGL/381' MSL; Pylon 2363' from DER 1572' left of centerline, 79' AGL/403' MSL. **Rwy 24**, Pylon 1729' from DER, 1456' right of centerline, 79' AGL/325' MSL.

NORTH WILKESBORO, NC

WILKES COUNTY

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

OAK ISLAND, NC

BRUNSWICK COUNTY (SUT)

ORIG 09183 (FAA)

NOTE: **Rwy 5**, trees beginning 323' from DER, 255' left of centerline, up to 80' AGL/99' MSL. Trees beginning 528' from DER, 456' right of centerline, up to 100' AGL/119' MSL. **Rwy 23**, trees beginning 233' from DER, 521' left of centerline, up to 64' AGL/73' MSL. Trees beginning 70' from DER, 319' right of centerline, up to 93' AGL/102' MSL. Boat masts beginning 589' from DER, left and right of centerline, up to 50' AGL/50' MSL.

ORANGEBURG, SC

ORANGEBURG MUNI

DEPARTURE PROCEDURE: **Rwy 5**, climb heading 049° to 1000 before proceeding on course. **Rwy 35**, climb heading 354° to 900 before proceeding on course.

NOTE: **Rwy 5**, tree 1415' from departure end of runway, 260' left of centerline, 58' AGL/254' MSL. **Rwy 23**, tree 2096' from departure end of runway, 371' right of centerline, 89' AGL/260' MSL. **Rwy 35**, tree 2316' from departure end of runway, 228' right of centerline, 76' AGL/248' MSL. Terrain 13' from departure end of runway, 34' right of centerline, 174' MSL.

OXFORD, NC

HENDERSON-OXFORD (HNZ)

ORIG 08269 (FAA)

TAKE-OFF MINIMUMS: **Rwy 24**, std. w/ min. climb of 245' per NM to 1900 or 700-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 24**, for climb in visual conditions: cross Henderson-Oxford airport at or above 1100 MSL before proceeding on course.

NOTE: **Rwy 6**, trees beginning 7' from departure end of runway, 367' left of centerline, up to 100' AGL/629' MSL.

Rwy 24, trees beginning 804' from departure end of runway, 393' left of centerline, up to 100' AGL/629' MSL.

PAGELAND, SC

PAGELAND (PYG)

ORIG 09071 (FAA)

NOTE: **Rwy 5**, trees beginning 365' from DER, 353' right of centerline, up to 100' AGL/689' MSL. Powerlines 593' from DER, 93' right to 109' left of centerline, 100' AGL/679' MSL. Vehicle on road 12' from DER, 377' right of centerline, 15' AGL/582' MSL. Trees beginning 19' from DER, 455' left of centerline, up to 100' AGL/689' MSL. Vehicle on road 612' from DER, 329' left to right of centerline, 15' AGL/594' MSL. **Rwy 23**, trees beginning 29' from DER, 243' right of centerline, up to 100' AGL/679' MSL. Trees beginning 294' from DER, 290' left of centerline, up to 100' AGL/669' MSL. Vehicle on road 34' from DER, 413' left of centerline, 15' AGL/574' MSL. Powerline, 1863' from DER, 987' left of centerline, 79' AGL/609' MSL.

PELION, SC

LEXINGTON COUNTY AT PELION (6J0)

ORIG 09155 (FAA)

NOTE: **Rwy 17**, 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 35**, trees beginning 2016' from DER, 301' right of centerline, up to 59' AGL/511' MSL.

PINEHURST/SOUTHERN PINES, NC

MOORE COUNTY (SOP)

ORIG 09183 (FAA)

NOTE: **Rwy 5**, terrain 448' from DER, 343' right of centerline, 443' MSL. Trees beginning 663' from DER, 137' right of centerline, up to 100' AGL/475' MSL. Terrain 141' from DER, 329' left of centerline, 435' MSL. Trees beginning 176' from DER, 220' left of centerline, up to 100' AGL/529' MSL. **Rwy 23**, pipe 228' from DER, 431' right of centerline, 13' AGL/463' MSL. Antenna 657' from DER, 415' right of centerline, 32' AGL/482' MSL. Trees beginning 701' from DER, 422' right of centerline, up to 100' AGL/579' MSL. Trees beginning 364' from DER, 353' left of centerline, up to 100' AGL/569' MSL.

PLYMOUTH, NC

PLYMOUTH MUNI

TAKE-OFF MINIMUMS: **Rwy 3**, 400-1 or std. with a min. climb of 210' per NM to 500.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES





TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



09323

POPE AFB (KPOB)

FAYETTEVILLE, NC. 08213

Rwys 5, 23: expect radar vectors from Fayetteville Approach. **Rwy 23**, standard with minimum climb of 220'/NM to 1000', or 1100'-3 for climb in visual conditions to 1200' MSL within 5.49 NM of KPOB airport, then proceed on course, max airspeed of 250 KIAS.

TAKE-OFF OBSTACLES: Rwy 5, multiple trees 1352' to 1545' from DER, 779' right of centerline, up to 34' AGL/242' MSL; Multiple trees 1889' to 3436' from DER, 412' right of centerline, up to 99' AGL/297' MSL; Multiple trees 2004' to 2746' from DER, 997' left of centerline, up to 100' AGL/294' MSL; Multiple trees 2887' to 3743' from DER, 511' left of centerline, up to 119' AGL/311' MSL; Powerline Tower 4181' from DER, 1464' right of centerline, 115' AGL/315' MSL. C-130 18' from DER 263' left of centerline, 35' AGL/215' MSL. **Rwy 23**, fence 1201' from DER, 71' left of centerline, 247' MSL; Terrain 1901' from DER, 1010' right of centerline, 269' MSL; Multiple trees 3002' to 3349' from DER, 506' right of centerline, up to 70' AGL/328' MSL; Forestry Tower 2.2 NM from DER, 3399' right of centerline, 140' AGL 559' MSL; Tower 3.0 NM from DER, 1.4 NM right of centerline, 220' AGL/746' MSL; Tree 1.0 NM from DER, 502' left of centerline, 61' AGL/375' MSL. C-130 55' from DER 302' right of centerline, 35' AGL/238' MSL; C-130 944' from DER 286' left of centerline, 35' AGL/215' MSL.

RAEFORD, NC

P K AIRPARK

TAKE-OFF MINIMUMS: **Rwy 22**, 200, K1A.

RALEIGH-DURHAM, NC

RALEIGH-DURHAM INTL

TAKE-OFF MINIMUMS: Rwy 32, 300-1.
DEPARTURE PROCEDURE: Rwy 14, climb heading 142° to 1400 before turning right. **Rwy 23L**, climb heading 232° to 1900 before turning left. **Rwy 23R**, climb heading 232° to 1800 before turning left.
NOTE: Rwy 5L, tree 2011' from departure end of runway, 949' right of centerline, 80' AGL/469' MSL. Tree 3802' from departure end of runway, 1238' left of centerline, 77' AGL/506' MSL. Tank 4046' from departure end of runway, 1578' right of centerline, 138' AGL/547' MSL. **Rwy 5R**, tree 1437' from departure end of runway, 803' right of centerline, 80' AGL/469' MSL. **Rwy 14**, multiple trees beginning 2021' from departure end of runway, 510' left of centerline, up to 122' AGL/571' MSL. Multiple trees beginning 2468' from departure end of runway, 1' right of centerline, up to 110' AGL/559' MSL. **Rwy 23L**, tree 1496' from departure end of runway, 797' left of centerline, 58' AGL/447' MSL. Light pole 1458' from departure end of runway, 878' right of centerline, 93' AGL/452' MSL. **Rwy 32**, multiple poles 1170' from departure end of runway, 634' left of centerline, up to 47' AGL/486' MSL. Antenna 1243' from departure end of runway, 754' right of centerline, 34' AGL/473' MSL. Control tower and antenna 2207' from departure end of runway, 911' right of centerline, 221' AGL/660' MSL.

REIDSVILLE, NC

ROCKINGHAM COUNTY NC SHILOH (SIF)
AMDT 2 09295 (FAA)

TAKE-OFF MINIMUMS: Rwy 31, 400-2 or std. w/ a min. climb of 535' per NM to 1200.
NOTE: Rwy 13, trees beginning 40' from DER, 63' left of centerline, up to 100' AGL/768' MSL. Power pole 1192' from DER, 430' right of centerline, 30' AGL/702' MSL. Tree beginning 1539' from DER, 30' right of centerline, up to 100' AGL/755' MSL. **Rwy 31**, power pole 2054' from DER, 243' right of centerline, 30' AGL/763' MSL. Vehicle on road 31' from DER, 485' left of centerline, 15' AGL/714' MSL. Trees beginning 1164' from DER, 187' right of centerline, up to 100' AGL/1019' MSL. Trees beginning 152' from DER, 317' left of centerline, up to 100' AGL/979' MSL. Rising terrain beginning 123' from DER, 27' left of centerline, up to 939' MSL. Rising terrain beginning 64' from DER, 27' right of centerline, up to 939' MSL.

ROCK HILL, SC

ROCK HILL/YORK COUNTY/BRYANT FIELD (UZA)
ORIG 08101 (FAA)

TAKE-OFF MINIMUMS: Rwy 2, 200-1½ or std. w/ min. climb of 231' per NM to 900, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1700' prior to departure end of runway.
NOTE: Rwy 20, trees beginning 984' from departure end of runway, 704' left of centerline, up to 100' AGL/779' MSL. Trees beginning 2342' from departure end of runway, 64' left of centerline, up to 100' AGL/788' MSL. Terrain beginning 208' from departure end of runway, 275' right of centerline, up to 0' AGL/688' MSL. Trees beginning 1520' from departure end of runway, 747' right of centerline, up to 100' AGL/788' MSL. Trees beginning 2708' from departure end of runway, 3' right of centerline, up to 100' AGL/763' MSL. **Rwy 2**, trees beginning 1380' from departure end of runway, 166' left of centerline, up to 100' AGL/729' MSL. Powerline tower 5476' from departure end of runway, 780' left of centerline, 180' AGL/819' MSL. Vehicle on road and trees beginning 12' from departure end of runway, 448' right of centerline, up to 100' AGL/759' MSL. Trees beginning 1856' from departure end of runway, 26' right of centerline, up to 100' AGL/739' MSL. Powerline tower 4535' from departure end of runway, 1712' right of centerline, 180' AGL/789' MSL.

ROCKINGHAM, NC

RICHMOND COUNTY
DEPARTURE PROCEDURE: Rwys 13, 22, 31, climb runway heading to 900 before turning north. **Rwy 4**, right turn climb to 900 on 090° heading before turning north.

ROCKY MOUNT, NC

ROCKY MOUNT-WILSON RGNL
DEPARTURE PROCEDURE: Rwy 22, climb via heading 222° to 1200 before proceeding on course.
NOTE: Rwy 4, tree 1459' from departure end of runway, 791' left of centerline, 207' MSL. Tree 2454' from departure end of runway, 752' right of centerline, 231' MSL. **Rwy 22**, tree 1199' from departure end of runway, 665' right of centerline, 204' MSL. Tree 1215' from departure end of runway, 676' left of centerline, 224' MSL. Tree 1464' from departure end of runway, 616' left of centerline, 222' MSL.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES





TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



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ROXBORO, NC

PERSON COUNTY

NOTE: **Rwy 6**, trees 1600' from departure end of runway, 200' right of centerline, 100' AGL/729' MSL. **Rwy 24**, trees 562' from departure end of runway, 577' left of centerline, 100' AGL/699' MSL.

RUTHERFORDTON, NC

RUTHERFORD COUNTY-MARCHMAN FIELD (FQD)

AMDT 2 07354 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1**, std. w/ min. climb of 434' per NM to 5400, or 2800-3 for climb in visual conditions. **Rwy 19**, std. w/ min. climb of 255' per NM to 3600, or 2800-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 1**, climb heading 009° to 5400 before proceeding on course, or for climb in visual conditions cross Rutherford County/Marchman Field at or above 3700 before proceeding on course.

Rwy 19, climb heading 189° to 3600 before proceeding on course, or for climb in visual conditions cross Rutherford County/Marchman Field at or above 3700 before proceeding on course.

NOTE: **Rwy 1**, trees abeam departure end of runway, 310' left of centerline, 100' AGL/1159' MSL. Vehicles on roadway 421' from departure end of runway, on centerline 15' AGL/1094' MSL. Trees beginning 480' from departure end of runway, on centerline, up to 100' AGL/1159' MSL. Powerlines left and right of centerline, beginning 581' from departure end of runway, up to 78' AGL/1167' MSL. **Rwy 19**, trees abeam departure end of runway, 239' left of centerline, 100' AGL/1129' MSL. Trees 255' from departure end of runway, 500' right of centerline, 100' AGL/1129' MSL. Trees 1937' from departure end of runway, on centerline, 100' AGL/1119' MSL.

ST. GEORGE

ST. GEORGE (6J2)

ORIG 08101 (FAA)

NOTE: **Rwy 5**, tree 3021' from departure end of runway, 186' left of centerline, 100' AGL/175' MSL. **Rwy 23**, tree 1401' from departure end of runway, 259' right of centerline, 100' AGL/178' MSL.

SALISBURY, NC

ROWAN COUNTY

TAKE-OFF MINIMUMS: **Rwy 2**, 300-1.
DEPARTURE PROCEDURE: **Rwy 20**, climb on heading 160° to 1200 before turning west.

SANFORD, NC

SANFORD-LEE COUNTY RGNL

DEPARTURE PROCEDURE: **Rwy 3**, climb runway heading to 1400 before turning right. **Rwy 21**, climb runway heading to 1400 before turning left.

SHAW AFB (KSSC)

SUMTER, SC 07214

TAKE-OFF OBSTACLES: **Rwy 4R**, Terrain 500' left of centerline at the threshold, 235' MSL. **Rwy 22L**, Radio Tower 5137' from DER, 1701' left of centerline, 140' AGL/370' MSL; Glideslope Antenna 563' from DER, 500' right of centerline, 40' AGL/293' MSL. **Rwy 22R**, Terrain 253' from DER, 568' right of centerline, 244' MSL.

SHELBY, NC

SHELBY-CLEVELAND COUNTY RGNL (EHO)
ORIG 09015 (FAA)

NOTE: **Rwy 5**, trees beginning 74' from departure end of runway, 394' left of centerline, up to 99' AGL/899' MSL. Trees beginning 2018' from departure end of runway, 804' right of centerline, up to 100' AGL/919' MSL. **Rwy 23**, trees beginning 186' from departure end of runway, 148' left of centerline, up to 93' AGL/903' MSL.

SILER CITY, NC

SILER CITY MUNI

DEPARTURE PROCEDURE: **Rwy 4**, climb runway heading to 1000 before turning right.

SIMMONS AAF (KFBG)

FORT BRAGG, NCAMDT 1, 07354

Rwy 27, 400-2½*
* Or standard with minimum climb of 350 ft/NM to 1200.
DEPARTURE PROCEDURE: **Rwy 9**, climb heading 093 to 1200 before proceeding on course. **Rwy 27**, climb heading 273 to 1200 before proceeding on course.
TAKE-OFF OBSTACLES: **Rwy 27**, antenna 1.9 NM from DER, 3602' right of centerline, 292' AGL/584' MSL.

SMITHFIELD, NC

JOHNSTON COUNTY

TAKE-OFF MINIMUMS: **Rwy 21**, 500-1.
DEPARTURE PROCEDURE: **Rwy 3**, climb to 1300 before turning left. **Rwy 21**, climb to 1000 before turning right.

SPARTANBURG, SC

SPARTANBURG DOWNTOWN MEMORIAL (SPA)

ORIG 09295 (FAA)

NOTE: **Rwy 5**, trees beginning 230' from DER, left and right of centerline, up to 100' AGL/871' MSL. **Rwy 23**, trees beginning 580' from DER, left and right of centerline, up to 100' AGL/930' MSL.

STATESVILLE, NC

STATESVILLE RGNL

TAKE-OFF MINIMUMS: **Rwy 28**, 300-1½ or std. with a min. climb of 220' per NM to 1300.
NOTE: **Rwy 28**, powerline tower 8880' from departure end of runway, 858' right of centerline, 180' AGL/1199' MSL.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES


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SUMMERVILLE, SC

SUMMERVILLE (DYB)

ORIG-A 08157 (FAA)

DEPARTURE PROCEDURE: **Rwy 6**, climb heading 054° to 600 before proceeding on course. **Rwy 24**, climb heading 234° to 600 before turning north.

NOTE: **Rwy 6**, tree 842' from departure end of runway, 413' right of centerline, 413' right of centerline, 84' AGL/114' MSL. Tree 647' from departure end of runway, 6' left of centerline, 62' AGL/92' MSL. Tree 642' from departure end of runway, 31' left of centerline, 58' AGL/88' MSL. **Rwy 24**, tree 1169' from departure end of runway, 96' left of centerline, 72' AGL/99' MSL. Tree 1183' from departure end of runway, 159' right of centerline, 70' AGL/97' MSL. Tree 1176' from departure end of runway, 59' left of centerline, 69' AGL/96' MSL. Tree 846' from departure end of runway, 227' left of centerline, 65' AGL/92' MSL.

SUMTER, SC

SUMTER (SMS)

AMDT 1 09295 (FAA)

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

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

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

TARBORO, NC

TARBORO-EDGECOMBE

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

UNION, SC

UNION COUNTY, TROY SHELTON FIELD

NOTE: **Rwy 5**, tree 1315' from departure end of runway, 400' left of centerline, 80' AGL/675' MSL. Tree 1340' from departure end of runway, 280' right of centerline, 51' AGL/678' MSL. **Rwy 23**, tree 38' from departure end of runway, 115' right of centerline, 10' AGL/583' MSL. Tree 58' from departure end of runway, 80' left of centerline, 28' AGL/584' MSL. Tree 1890' from departure end of runway, 400' right of centerline, 85' AGL/657' MSL. Tree 2005' from departure end of runway, 425' left of centerline, 95' AGL/667' MSL.

WADESBORO, NC

ANSON COUNTY

TAKE-OFF MINIMUMS: **Rwy 16**, 300-2 or std. with a min. climb of 220' per NM to 700, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, take-off must occur no later than 1800' prior to departure end of runway.

DEPARTURE PROCEDURE: **Rwy 16**, climb via heading 162° to 900 before proceeding on course.

NOTE: **Rwy 16**, terrain 31' from departure end of runway, 345' right of centerline, 0' AGL/319' MSL. Terrain 139' from departure end of runway, 120' right of centerline, 0' AGL/309' MSL. Terrain 305' from departure end of runway, 475' right of centerline, 0' AGL/309' MSL. Tree 1263' from departure end of runway, 425' left of centerline, 58' AGL/353' MSL. Tree 1381' from departure end of runway, 427' left of centerline, 61' AGL/356' MSL. Tree 1329' from departure end of runway, 262' right of centerline, 45' AGL/340' MSL. Tree 1337' from departure end of runway, 300' right of centerline, 48' AGL/343' MSL. Tree 1651' from departure end of runway, 282' left of centerline, 60' AGL/355' MSL. Tree 1875' from departure end of runway, 142' left of centerline, 59' AGL/354' MSL. Tree 1897' from departure end of runway, 71' left of centerline, 53' AGL/347' MSL. Tree 2658' from departure end of runway, 55' left of centerline, 68' AGL/363' MSL. Tree 2734' from departure end of runway, 78' right of centerline, 77' AGL/372' MSL. Tree 3031' from departure end of runway, 156' right of centerline, 80' AGL/375' MSL. Tree 3080' from departure end of runway, 383' right of centerline, 82' AGL/377' MSL. Tree 1.62 NM from departure end of runway, 2363' left of centerline, 100' AGL/569' MSL. **Rwy 34**, tree 3117' from departure end of runway, 1064' right of centerline, 87' AGL/384' MSL. Building 2841' from departure end of runway, 657' right of centerline, 80' AGL/377' MSL. Silo 2712' from departure end of runway, 604' right of centerline, 88' AGL/385' MSL. Tree 2531' from departure end of runway, 276' right of centerline, 92' AGL/389' MSL. Tree 2890' from departure end of runway, 740' left of centerline, 100' AGL/439' MSL. Tree 2267' from departure end of runway, 381' right of centerline, 84' AGL/381' MSL. Tree 1947' from departure end of runway, 785' right of centerline, 82' AGL/379' MSL. Tree 1830' from departure end of runway, 699' right of centerline, 71' AGL/368' MSL. Tree 1997' from departure end of runway, 17' right of centerline, 84' AGL/381' MSL. Tree 1972' from departure end of runway, 57' right of centerline, 82' AGL/379' MSL. Tree 1879' from departure end of runway, 51' left of centerline, 85' AGL/382' MSL. Railroad and train 1618' from departure end of runway, on centerline, 23' AGL/354' MSL. Tree 1651' from departure end of runway, 133' left of centerline, 75' AGL/372' MSL. Tree 1540' from departure end of runway, 230' left of centerline, 71' AGL/369' MSL. Tree 1503' from departure end of runway, 367' left of centerline, 75' AGL/372' MSL.

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TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES


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WALLACE, NC

HENDERSON FIELD (ACZ)

ORIG 09071 (FAA)

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

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

WALNUT COVE, NC

MEADOW BROOK FIELD

TAKE-OFF MINIMUMS: **Rwys 16, 34**, 800-2 or std. with a min. climb of 270' per NM to 3000.

WALTERBORO, SC

LOW COUNTRY RGNL

TAKE-OFF MINIMUMS: **Rwy 5**, 300-1 or std. with a min. climb of 280' per NM to 300.

NOTE: **Rwy 5**, 93' AGL tree 960' from departure end of runway, 710' right of centerline. **Rwy 9**, 75' AGL tree 365' from departure end of runway, 575' right of centerline. **Rwy 17**, 74' AGL tree 508' from departure end of runway, 635' right of centerline. **Rwy 23**, 84' AGL tree 710' from departure end of runway, 675' left of centerline. **Rwy 35**, 69' AGL tree 1062' from departure end of runway, 690' right of centerline.

WASHINGTON, NC

WARREN FIELD

TAKE-OFF MINIMUMS: **Rwy 23**, 300-1 or std. with a min. climb of 250' per NM to 300.

DEPARTURE PROCEDURE: **Rwys 17, 29, 35**, climb runway heading to 400 before turning.

WAXHAW, NC

JAARS-TOWNSEND (N52)

ORIG 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1 or std. w/min. climb of 255' per NM to 900, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 2200' prior to DER.

NOTE: **Rwy 4**, trees beginning 3' from DER, left and right of centerline, up to 100' AGL/759' MSL. **Rwy 22**, trees beginning 2' from DER, left and right of centerline, up to 100' AGL/709' MSL.

WHITEVILLE, NC

COLUMBUS COUNTY MUNI (CPC)

ORIG 09183 (FAA)

NOTE: **Rwy 6**, trees beginning 2145' from DER, 553' right of centerline, up to 100' AGL/189' MSL. Trees beginning 2690' from DER, 838' left of centerline, up to 100' AGL/169' MSL. **Rwy 24**, trees beginning 1706' from DER, 831' right of centerline, up to 100' AGL/209' MSL. Trees beginning 732' from DER, 396' left of centerline, up to 100' AGL/209' MSL.

WILLIAMSTON, NC

MARTIN COUNTY

NOTE: **Rwy 3**, trees beginning 158' from departure end of runway, 98' right of centerline, up to 100' AGL/172' MSL. Trees beginning 3041' from departure end of runway, 168' left of centerline up to 100' AGL/172' MSL. **Rwy 21**, trees beginning 130' from departure end of runway, 57' right of centerline up to 100' AGL/168' MSL. Trees beginning 1393' from departure end of runway, 411' left of centerline up to 100' AGL/168' MSL. Vehicle on road 428' from departure end of runway, 15' AGL/80' MSL.

WILMINGTON, NC

WILMINGTON INTL

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

WILSON, NC

WILSON INDUSTRIAL AIR CENTER

DEPARTURE PROCEDURE: For departures 260° CW 320° **Rwy 27**, climbing left turn to 2500 on heading 260° before proceeding on course. **Rwys 15, 21**, climbing right turn to 2500 on heading 260° before proceeding on course. **Rwys 3, 9, 33**, climbing left turn to 2500 on heading 320° before proceeding on course.

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WINSTON-SALEM, NC

SMITH REYNOLDS (INT)

AMDT 6 09015 (FAA)

TAKE-OFF MINIMUMS: **Rwy 22**, 500-2¼ or std. with a min. climb of 330' per NM to 1600.

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

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