

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

**PREVIOUSLY PUBLISHED IN  
NFDD 205**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
BARMY	FOUR	BARMY4.BARMY	THREE	8/17/2017	03 JAN 2019
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**DP ROUTE DESCRIPTION:**

**CHARLOTTE/DOUGLAS INTL:**

**TAKEOFF RWY 5:** CLIMB HEADING 055.47 TO 1260, THEN ON HEADING 055.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MESHY, THENCE...

**TAKEOFF RWY 18C:** CLIMB HEADING 182.96 TO 1260, THEN ON HEADING 182.96 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MESHY, THENCE...

**TAKEOFF RWY 18L:** CLIMB HEADING 182.97 TO 1260, THEN ON HEADING 182.97 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MESHY, THENCE...

**TAKEOFF RWY 18R:** CLIMB HEADING 182.96 TO 1260, THEN ON HEADING 200.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MESHY, THENCE...

**TAKEOFF RWY 23:** CLIMB HEADING 235.48 TO 1260, THEN ON HEADING 235.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MESHY, THENCE...

**TAKEOFF RWY 36C:** CLIMB HEADING 002.96 TO 1260, THEN ON HEADING 330.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MESHY, THENCE...

**TAKEOFF RWY 36L:** CLIMB HEADING 002.96 TO 1260, THEN ON HEADING 315.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MESHY, THENCE...

**TAKEOFF RWY 36R:** CLIMB HEADING 002.97 TO 1260, THEN ON HEADING 025.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MESHY, THENCE...

...ON DEPICTED ROUTE TO BARMY, THEN ON ASSIGNED TRANSITION. MAINTAIN 8000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

**CONCORD-PADGETT RGNL**

**TAKEOFF RWY 2:** CLIMB HEADING 016.46 TO 2200, THENCE...

**TAKEOFF RWY 20:** CLIMBING LEFT TURN HEADING 150.00 TO 2400, THENCE...

... ON HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MESHY, THEN ON DEPICTED ROUTE TO BARMY. THEN ON ASSIGNED TRANSITION. MAINTAIN 3000, EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

**DEPARTING GASTONIA MUNI, CHARLOTTE-MONROE EXECUTIVE, LINCOLNTON-LINCOLN COUNTY RGNL, LANCASTER COUNTY-MC WHIRTER FIELD, STANLY COUNTY, MID-CAROLINA RGNL, AND ROCK HILL/YORK CO/BRYANT FIELD:** CLIMB ON HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MESHY, THEN ON DEPICTED ROUTE TO BARMY. THEN ON ASSIGNED TRANSITION.

MAINTAIN 3000, EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

**GASTONIA MUNI**

**TAKEOFF RWY 3:** CLIMB HEADING 049.34 TO 2700 BEFORE TURNING LEFT.

**TAKEOFF RWY 21:** CLIMB HEADING 214.33 TO 1600 BEFORE PROCEEDING NORTH.

**LINCOLNTON-LINCOLN COUNTY RGNL**

**TAKEOFF RWY 5:** CLIMB HEADING 063.15 TO 2000 BEFORE PROCEEDING ON COURSE.

**TAKEOFF RWY 23:** CLIMB HEADING 243.16 TO 2800 BEFORE TURNING LEFT.

**MID-CAROLINA RGNL**

**TAKEOFF RWY 20:** CLIMB HEADING 201.99 TO 1700 BEFORE TURNING RIGHT.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
NUTZE	BARMY4.NUTZE	BARMY	BATTA	TRACK 077.42	39.21	FL 180		
		BATTA	NUTZE	TRACK 084.16	70.31	FL 180		
RALEIGH/DURHAM	BARMY4.RDU	BARMY	BATTA	TRACK 077.42	39.21	FL 180		
		BATTA	RDU VORTAC	TRACK 048.41	22.45	FL 180		
TAR RIVER	BARMY4.TYI	BARMY	BATTA	TRACK 077.42	39.21	FL 180		

QUALITY  
23  
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BARMY	FOUR	BARMY4.BARMY	THREE	8/17/2017	03 JAN 2019
BATTA	TYI VORTAC	TRACK 077.75	71.39	FL 180	

**PROCEDURAL DATA NOTES:****NOTE:** FOR TURBOJETS ONLY.**NOTE:** DME/DME/IRU OR GPS REQUIRED.**NOTE:** RNAV 1.**NOTE:** RADAR REQUIRED.**NOTE:** IF UNABLE TO ACCEPT CLIMB RATES, ADVISE ATC ON INITIAL CONTACT.**NOTE:** TRANSPONDER CODE WILL BE ISSUED VIA PDC OR CHARLOTTE CLNC DEL.**NOTE:** CHARLOTTE/DOUGLAS INTL ONLY: ACCELERATE TO 250 KIAS, IF UNABLE ADVISE ATC. UPON REACHING 10000 MSL, ACCELERATE TO AND MAINTAIN 280 KIAS, IF UNABLE ADVISE ATC**NOTE:** ALL OTHER AIRPORTS: UPON REACHING 10000 MSL, ACCELERATE TO AND MAINTAIN 280 KIAS, IF UNABLE ADVISE ATC.**TAKEOFF MINIMUMS:****CHARLOTTE/DOUGLAS INTL****RWY 18C, 18L, 18R, 23, 36C, 36R,** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1260.**RWY 5,** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1300.**RWY 36L,** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1400.**CONCORD-PADGETT RGNL****RWY 2,** STANDARD.**RWY 20,** STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 2400.**GASTONIA MUNI****RWY 3, 21,** STANDARD.**CHARLOTTE-MONROE EXECUTIVE****RWY 5, 23,** STANDARD.**LINCOLNTON-LINCOLN COUNTY RGNL****RWY 5, 23,** STANDARD.**LANCASTER COUNTY-MC WHIRTER FIELD****RWY 6, 24,** STANDARD.**STANLY COUNTY****RWY 4L, 22R,** NA**RWY 22L,** STANDARD**RWY 4R,** 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 276 FT PER NM TO 1000.**MID-CAROLINA RGNL****RWY 2,** STANDARD.**RWY 20,** 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 1300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.**ROCK HILL/YORK CO/BRYANT FIELD****RWY 2, 20,** STANDARD.**TAKEOFF OBSTACLES NOTES:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

**CONTROLLING OBSTACLES:****CHARLOTTE/DOUGLAS INTL****RWY 5:** 1633 FT MSL BUILDING 351339.00N/0805032.00W (CLIMB TO ALTITUDE).**RWY 36L:** 2754 FT MSL TOWER 352049.00N/081014.00W (CLIMB TO ALTITUDE).**CONCORD-PADGETT RGNL****RWY 2:** 2348 FT MSL TOWER 353157.00N/0804746.00W (ROUTE DEVELOPMENT).**RWY 20:** 1950 FT MSL TOWER 351715.00N/0804144.00W (CLIMB GRADIENT). 2041 FT MSL TOWER 392504.00N/0763320.00W (ROUTE DEVELOPMENT).**GASTONIA MUNI**

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**RWY 3, 21:** 2754 FT MSL TOWER 352049.00N/0811014.00W (ROUTE DEVELOPMENT).

**LINCOLNTON-LINCOLN COUNTY RGNL**

**RWY 5:** 2754 FT MSL TOWER 352049.00N/0811014.00W (ROUTE DEVELOPMENT).

**RWY 23:** 2719 FT MSL TOWER 352151.00N/0811112.00W (ROUTE DEVELOPMENT).

**STANLY COUNTY**

**RWY 4R:** 837 FT MSL TREE 352627.34N/0800808.17W (CLIMB GRADIENT).

**MID-CAROLINA RGNL**

**RWY 20:** 1121 FT MSL TOWER 353613.00N/0803234.12W (CLIMB GRADIENT). 1848 FT MSL TOWER 353531.99N/0803743.98W (ROUTE DEVELOPMENT).

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

**REFERENCE MAG VAR:** KCLT 7W EPOCH YEAR: 2000. DME/DME ASSESSMENT: SAT (RNP 2.0)

**CHARLOTTE/DOUGLAS INTL - CHART:** TOP ALTITUDE 8000

**CONCORD-PADGETT RGNL - CHART:** TOP ALTITUDE 3000.

**GASTONIA MUNI - CHART:** TOP ALTITUDE 3000.

**CHARLOTTE-MONROE EXECUTIVE - CHART:** TOP ALTITUDE 3000.

**LINCOLNTON-LINCOLN COUNTY RGNL - CHART:** TOP ALTITUDE 3000.

**LANCASTER COUNTY-MC WHIRTER FIELD - CHART:** TOP ALTITUDE 3000.

**STANLY COUNTY - CHART:** TOP ALTITUDE 3000.

**MID-CAROLINA RGNL - CHART:** TOP ALTITUDE 3000.

**ROCK HILL/YORK CO/BRYANT FIELD - CHART:** TOP ALTITUDE 3000.

**CHART NOTE: (CHARLOTTE/DOUGLAS INTL ONLY)** SEE ADDITIONAL REQUIREMENTS ON AAUP.

**CHART:** MEA/MOCA FROM GULFY TO BARMY, 10,400/2100.

**PILOT NAVIGATION AREA:**

7 NM ARC CENTERED ON MESHY (IF), CW

FROM: POINT A (BEARING 043 DEGREES TO MESHY)

TO: POINT B (BEARING 133 DEGREES TO MESHY)

MINIMUM IF CROSSING ALTITUDE 4000.

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
CHARLOTTE/DOUGLAS INTL (KCLT)	CHARLOTTE	NC
CONCORD-PADGETT RGNL (KJQF)	CONCORD	NC
GASTONIA MUNI (KAKH)	GASTONIA	NC
CHARLOTTE - MONROE EXECUTIVE (KEQY)	MONROE	NC
LINCOLNTON - LINCOLN COUNTY RGNL (KIPJ)	LINCOLNTON	NC
LANCASTER COUNTY - MC WHIRTER FIELD (KLKR)	LANCASTER	SC

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BARMY	FOUR	BARMY4.BARMY	THREE	8/17/2017	03 JAN 2019
STANLY COUNTY (KVUJ)	ALBEMARLE				NC
MID-CAROLINA RGNL (KRUQ)	SALISBURY				NC
ROCK HILL/YORK CO/BRYANT FIELD (KUZA)	ROCK HILL				SC

**COMMUNICATIONS:**

**CHARLOTTE/DOUGLAS INTL:** ATIS, CLNC DEL, GND CON, TOWER, DEP CON.  
**CONCORD-PADGETT RGNL:** ATIS, CLNC DEL, GND CON, TOWER, UNICOM, DEP CON.  
**GASTONIA MUNI:** ASOS, CLNC DEL, UNICOM, DEP CON.  
**CHARLOTTE-MONROE EXECUTIVE:** ASOS, CLNC DEL, UNICOM, DEP CON.  
**LINCOLN-TON-LINCOLN COUNTY RGNL:** AWOS, CLNC DEL (GCO), UNICOM, DEP CON.  
**LANCASTER COUNTY-MC WHIRTER FIELD:** AWOS, GCO, UNICOM, DEP CON.  
**STANLY COUNTY:** ATIS, CLNC DEL, GND CON, TOWER, UNICOM, DEP CON.  
**MID-CAROLINA RGNL:** AWOS, CLNC DEL, UNICOM, DEP CON.  
**ROCK HILL/YORK CO/BRYANT FIELD:** ASOS, CLNC DEL, UNICOM, DEP CON.

**FIXES AND/OR NAVAIDS:**

CHART AS STANDALONE FIX: EBOOK, DATTO, OLUBE.

**REMARKS:**

1. CONCORD-PADGETT RGNL RWY 20 CLIMB GRADIENT ROUNDED TO 320 FT PER NM FOR PUBLICATION (COMPUTED VALUE 317 FT PER NM).
2. MID-CAROLINA RGNL COUNTY RWY 20 CLIMB GRADIENT ROUNDED TO 205 FT PER NM FOR PUBLICATION (COMPUTED VALUE 202 FT PER NM).
3. ABBREVIATED AMENDMENT.
4. LETTER OF APPROVAL FOR VUJ, RUQ, EQY, LKR AND RWY 2 AT JQF AIRPORTS NOT LOCATED WITHIN EXTENDED PNA REQUIRED AND ON FILE APPROVED BY AFS-400 5-4-16.

**FLIGHT INSPECTED BY:**

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, DEC 22, 2017.

**OFFICE SYMBOL:** **DATE:**

*Digitally signed by*

**DAVID DANNER**

Oct 30, 2018

**DEVELOPED BY:**

RUSS ROSLEWSKI

*Digitally signed by*

**RUSSELL ROSLEWSKI**

Jul 30, 2018

**OFFICE SYMBOL:** **DATE:**

AJV-5421

07/24/2018

**APPROVED BY:**

JULIE MORGAN

*Digitally signed by*

**DAVID DANNER**

Oct 30, 2018

**OFFICE SYMBOL:** **DATE:**

AJV-5420

**REQUIRED EFFECTIVE DATE:**

ROUTINE

QUALITY  
23  
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**COORDINATED WITH:**

<b>A4A</b>	<b>ALPA</b>	<b>AOPA</b>	<b>APA</b>	<b>HAI</b>	<b>NBAA</b>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

ZTL, CLT APP CON, CLT ATCT, JQF ATCT, VUJ ATCT, AMGR(S).

**CHANGES - REASONS:**

1. CHANGED AIRPORT NAME FROM CONCORD RGNL TO CONCORD-PADGETT RGNL - IDENTIFIED DURING 28-DAY REVIEW.
2. REMOVED TAKEOFF OBSTACLE NOTES AND REPLACED WITH NOTE TO SEE FORM 8260-15A - NO LONGER CHARTED ON SIDS.

10/25/2018: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 9/27/2018:

1. ADDITIONAL FLIGHT DATA, CORRECTED SPELLING OF "CHARLOTTE/DOUGLAS INTL" AND "LINCOLNTON-LINCOLN COUNTY RGNL".

QUALITY  
23  
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**DEPARTURE (DATA RECORD)**

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
BARMY		FOUR		BARMY4.BARMY			THREE		8/17/2017	03 JAN 2019
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW05 (AER)	351232.23N/0805659.80W	N	-	-	-	-			CG 500 FT/NM TO 1300	
1260 MSL		-	-	VA	048.47	-				
		-	-	VM	048.00	-				
MESHY	351507.33N/0802756.77W	Y	FB	DF	-	-				
RW18C (AER)	351338.63N/0805711.41W	N	-	-	-	-			CG 500 FT/NM TO 1260	
1260 MSL		-	-	VA	175.96	-				
		-	-	VM	175.96	-				
MESHY	351507.33N/0802756.77W	Y	FB	DF	-	-				
RW18L (AER)	351329.05N/0805610.17W	N	-	-	-	-			CG 500 FT/NM TO 1260	
1260 MSL		-	-	VA	175.97	-				
		-	-	VM	175.97	-				
MESHY	351507.33N/0802756.77W	Y	FB	DF	-	-				
RW18R (AER)	351331.02N/0805802.71W	N	-	-	-	-			CG 500 FT/NM TO 1260	
1260 MSL		-	-	VA	175.96	-				
		-	-	VM	193.00	-				
MESHY	351507.33N/0802756.77W	Y	FB	DF	-	-				
RW23 (AER)	351321.42N/0805552.12W	N	-	-	-	-			CG 500 FT/NM TO 1260	
1260 MSL		-	-	VA	228.48	-				
		-	-	VM	228.00	-				
MESHY	351507.33N/0802756.77W	Y	FB	DF	-	-				
RW36C (AER)	351159.97N/0805702.92W	N	-	-	-	-			CG 500 FT/NM TO 1260	
1260 MSL		-	-	VA	355.96	-				
		-	-	VM	323.00	-				
MESHY	351507.33N/0802756.77W	Y	FB	DF	-	-				

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DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
BARMY		FOUR		BARMY4.BARMY			THREE		8/17/2017	03 JAN 2019
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW36L (AER)	351202.23N/0805755.07W	N	-	-	-	-			CG 500 FT/NM TO 1400	
1260 MSL		-	-	VA	355.96	-				
		-	-	VM	308.00	-				
MESHY	351507.33N/0802756.77W	Y	FB	DF	-	-				
RW36R (AER)	351203.45N/0805602.82W	N	-	-	-	-			CG 500 FT/NM TO 1260	
1260 MSL		-	-	VA	355.97	-				
		-	-	VM	018.00	-				
MESHY	351507.33N/0802756.77W	Y	FB	DF	-	-				
MESHY	351507.33N/0802756.77W	Y	-	IF	-	-				
GULFY	351800.77N/0800553.10W	Y	FB	TF	080.82	18.29				
BARMY	352229.38N/0795033.89W	Y	FB	TF	070.30	13.31				
BARMY	352229.38N/0795033.89W	Y	-	IF	-	-			BARMY4.NUTZE	
BATTA	353530.67N/0790516.19W	Y	FB	TF	070.42	39.21				
NUTZE	355040.43N/0774056.72W	Y	FB	TF	077.16	70.31				
BARMY	352229.38N/0795033.89W	Y	-	IF	-	-			BARMY4.RDU	
BATTA	353530.67N/0790516.19W	Y	FB	TF	070.42	39.21				
RDU VORTAC	355221.08N/0784700.03W	Y	FB	TF	041.41	22.45				
BARMY	352229.38N/0795033.89W	Y	-	IF	-	-			BARMY4.TYI	
BATTA	353530.67N/0790516.19W	Y	FB	TF	070.42	39.21				
TYI VORTAC	355836.20N/0774213.43W	Y	FB	TF	070.75	71.39				