

**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SUPERSEDED NUMBER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>
JOJJO	FOUR	JOJJO4.JOJJO	THREE	08/17/2017	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 WAYDS, THENCE...
TAKEOFF RWY 18C: CLIMB HEADING 182.96 TO 1260, THEN ON HEADING 182.96 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO WAYDS, THENCE...
TAKEOFF RWY 18L: CLIMB HEADING 182.97 TO 1260, THEN ON HEADING 182.97 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO WAYDS, THENCE...
TAKEOFF RWY 18R: CLIMB HEADING 182.96 TO 1260, THEN ON HEADING 200.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO WAYDS, THENCE...
TAKEOFF RWY 23: CLIMB HEADING 235.48 TO 1260, THEN ON HEADING 235.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO WAYDS, THENCE...
TAKEOFF RWY 36C: CLIMB HEADING 002.96 TO 1260, THEN ON HEADING 330.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO WAYDS, THENCE...
TAKEOFF RWY 36L: CLIMB HEADING 002.96 TO 1260, THEN ON HEADING 315.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO WAYDS, THENCE...
TAKEOFF RWY 36R: CLIMB HEADING 002.97 TO 1260, THEN ON HEADING 025.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO WAYDS, THENCE...

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

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 WAYDS, THEN ON DEPICTED ROUTE TO JOJJO. 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 WAYDS, THEN ON DEPICTED ROUTE TO JOJJO. 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.

QUALITY
23
CHECKED

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JOJJO	FOUR	JOJJO4.JOJJO	THREE	08/17/2017	03 JAN 2019

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>
CUBIM	JOJJO4.CUBIM	JOJJO	WLLGO	TRACK 304.55	7.46	7800	4500	
		WLLGO	BENBY	TRACK 304.92	17.49	11300	5200	
		BENBY	TIELR	TRACK 329.37	75.63	FL180		
		TIELR	CUBIM	TRACK 329.44	10.03	FL180		
DOOGE	JOJJO4.DOOGE	JOJJO	MTCHL	TRACK 330.98	6.32	7500	4000	
		MTCHL	DOOGE	TRACK 331.52	86.47	FL180		
NOONN	JOJJO4.NOONN	JOJJO	WLLGO	TRACK 304.55	7.46	7800	4500	
		WLLGO	BENBY	TRACK 304.92	17.49	11300	5200	
		BENBY	SLEPP	TRACK 304.75	55.13	FL180		
		SLEPP	BFORE	TRACK 272.36	37.69	FL180		
		BFORE	NOONN	TRACK 271.93	68.27	FL180		

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: 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.

NOTE: NOONN TRANSITION ATC ASSIGNED ONLY.

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.



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JOJJO	FOUR	JOJJO4.JOJJO	THREE	08/17/2017	03 JAN 2019

CHARLOTTE-MONROE EXECUTIVE
RWY 5, 23, STANDARD.

LINCOLN-TON-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).



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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

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

LINCOLN-TON-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.

LINCOLN-TON-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.



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

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

PILOT NAVIGATION AREA:

7 NM ARC CENTERED ON WAYDS (IF), CW

FROM: POINT A (BEARING 267 DEGREES TO WAYDS)

TO: POINT B (BEARING 357 DEGREES TO WAYDS)

MINIMUM CROSSING ALTITUDE AT WAYDS - 4000.

CHART: MEA/MOCA FROM WAYDS TO LONEE, 5500/3800; MEA/MOCA FROM LONEE TO JOJJO, 6300/3600.

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
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 VHF.

GASTONIA MUNI: ASOS, CLNC DEL, UNICOM, DEP CON.

CHARLOTTE-MONROE EXECUTIVE: ASOS, CLNC DEL, UNICOM, DEP CON.

LINCOLNTON-LINCOLN COUNTY RGNL: AWOS, CLNC DEL (GCO), UNICOM, DEP CON VHF.

LANCASTER COUNTY-MC WHIRTER FIELD: AWOS, GCO, UNICOM, DEP CON.

STANLY COUNTY: ATIS, CLNC DEL, GND CON, TOWER, UNICOM, DEP CON.

MID-CAROLINA RGNL: ATIS, CLNC DEL, UNICOM, DEP CON.

ROCK HILL/YORK CO/BRYANT FIELD: ASOS, CLNC DEL, UNICOM, DEP CON.



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FIXES AND/OR NAVAIDS:
LONEE

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 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 IPJ AND RUQ AIRPORTS NOT LOCATED WITHIN EXTENDED PNA REQUIRED AND ON FILE APPROVED BY AFS-400 8-3-15.

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

OFFICE SYMBOL:
DATE:

DEVELOPED BY:
RUSS ROSLEWSKI

Digitally signed by
RUSSELL ROSLEWSKI
Jul 30, 2018

OFFICE SYMBOL:
AJV-5421

DATE:
07/30/2018

APPROVED BY:
JULIE MORGAN

OFFICE SYMBOL:
AJV-5420

DATE:

REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<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 "LINCOLNTON-LINCOLN COUNTY RGNL".



DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
JOJJO		FOUR		JOJJO4.JOJJO			THREE		08/17/2017	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	-				
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-				
RW18C (AER)	351338.63N/0805711.41W	N	-	-	-	-			CG 500 FT/NM TO 1260	
1260 MSL		-	-	VA	175.96	-				
		-	-	VM	175.96	-				
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-				
RW18L (AER)	351329.05N/0805610.17W	N	-	-	-	-			CG 500 FT/NM TO 1260	
1260 MSL		-	-	VA	175.97	-				
		-	-	VM	175.97	-				
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-				
RW18R (AER)	351331.02N/0805802.71W	N	-	-	-	-			CG 500 FT/NM TO 1260	
1260 MSL		-	-	VA	175.96	-				
		-	-	VM	193.00	-				
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-				
RW23 (AER)	351321.42N/0805552.12W	N	-	-	-	-			CG 500 FT/NM TO 1260	
1260 MSL		-	-	VA	228.48	-				
		-	-	VM	228.00	-				
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-				
RW36C (AER)	351159.97N/0805702.92W	N	-	-	-	-			CG 500 FT/NM TO 1260	
1260 MSL		-	-	VA	355.96	-				
		-	-	VM	323.00	-				
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-				

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JOJJO		FOUR		JOJJO4.JOJJO			THREE		08/17/2017	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	-	-	-	-				
1260 MSL		-	-	VA	355.96	-			CG 500 FT/NM TO 1400	
		-	-	VM	308.00	-				
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-				
RW36R (AER)	351203.45N/0805602.82W	N	-	-	-	-				
1260 MSL		-	-	VA	355.97	-			CG 500 FT/NM TO 1260	
		-	-	VM	018.00	-				
WAYDS	352635.52N/0811632.64W	Y	FB	DF	-	-				
WAYDS	352635.52N/0811632.64W	Y	-	IF	-	-				
LONEE	353047.32N/0812349.25W	Y	FB	TF	305.22	7.27				
JOJJO	353316.96N/0812810.93W	Y	FB	TF	305.00	4.34				
JOJJO	353316.96N/0812810.93W	Y	-	IF	-	-			JOJJO4.CUBIM	
WLLGO	353643.94N/0813617.44W	Y	FB	TF	297.55	7.46				
BENBY	354454.69N/0815516.68W	Y	FB	TF	297.92	17.49				
TIELR	364440.11N/0825244.00W	Y	FB	TF	322.37	75.63				
CUBIM	365237.35N/0830020.97W	Y	FB	TF	322.44	10.03				
JOJJO	353316.96N/0812810.93W	Y	-	IF	-	-			JOJJO4.DOOGE	
MTCHL	353824.20N/0813244.70W	Y	FB	TF	323.98	6.32				
DOOGE	364838.93N/0823514.37W	Y	FB	TF	324.52	86.47				
JOJJO	353316.96N/0812810.93W	Y	-	IF	-	-			JOJJO4.NOONN	
WLLGO	353643.94N/0813617.44W	Y	FB	TF	297.55	7.46				
BENBY	354454.69N/0815516.68W	Y	FB	TF	297.92	17.49				
SLEPP	361022.06N/0825532.16W	Y	FB	TF	297.75	55.13				
BFORE	360710.06N/0834154.49W	Y	FB	TF	265.36	37.69				
NOONN	360038.37N/0850543.68W	Y	FB	TF	264.93	68.27				

QUALITY