

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

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SUPERSEDED NUMBER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>
KILNS	FOUR	KILNS4.KILNS	THREE	08/17/2017	

<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 MUNBE, THENCE...
TAKEOFF RWY 18C: CLIMB HEADING 182.96 TO 1260, THEN ON HEADING 182.96 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MUNBE, THENCE...
TAKEOFF RWY 18L: CLIMB HEADING 182.97 TO 1260, THEN ON HEADING 182.97 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MUNBE, THENCE...
TAKEOFF RWY 18R: CLIMB HEADING 182.96 TO 1260, THEN ON HEADING 200.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MUNBE, THENCE...
TAKEOFF RWY 23: CLIMB HEADING 235.48 TO 1260, THEN ON HEADING 235.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MUNBE, THENCE...
TAKEOFF RWY 36C: CLIMB HEADING 002.96 TO 1260, THEN ON HEADING 330.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MUNBE, THENCE...
TAKEOFF RWY 36L: CLIMB HEADING 002.96 TO 1260, THEN ON HEADING 315.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MUNBE, THENCE...
TAKEOFF RWY 36R: CLIMB HEADING 002.97 TO 1260, THEN ON HEADING 025.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MUNBE, THENCE...

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

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 MUNBE, THEN ON DEPICTED ROUTE TO KILNS, THEN ON AUDII 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 FILED, STANLY COUNTY, MID-CAROLINA RGNL, AND ROCK HILL/YORK CO/BRYANT FIELD: CLIMB ON HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO MUNBE, THEN ON DEPICTED ROUTE TO KILNS, THEN ON AUDII 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>
AUDII	KILNS4.AUDII	KILNS	DURST	TRACK 076.01	28.96	17000	2200	
		DURST	AUDII	TRACK 043.67	37.26	FL 180		



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KILNS	FOUR	KILNS4.KILNS	THREE	08/17/2017	

PROCEDURAL DATA NOTES:

NOTE: FOR TURBOJET'S ONLY.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: RADAR REQUIRED.

NOTE: TRANSPONDER CODE WILL BE ISSUED VIA PDC OR CHARLOTTE CLNC DEL.

NOTE: 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: IF UNABLE TO ACCEPT CLIMB RATES, ADVISE ATC ON INITIAL CONTACT.

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.

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.



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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

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.

PILOT NAVIGATION AREA:

7 NM ARC CENTERED ON MUNBE (IF), CW

FROM: POINT A (BEARING 032 DEGREES TO MUNBE)

TO: POINT B (BEARING 122 DEGREES TO MUNBE)

MINIMUM CROSSING ALTITUDE AT MUNBE - 4000.

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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.
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.
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:

DATTO, EBOOK, OLUBE, LILIC

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 EQY, RUQ, AND VUJ AIRPORTS NOT LOCATED WITHIN EXTENDED PNA REQUIRED AND ON FILE APPROVED BY AFS-400 4-27-16.



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KILNS	FOUR	KILNS4.KILNS	THREE	08/17/2017	

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

07/30/2018

APPROVED BY:

JULIE MORGAN

Digitally signed by

DAVID DANNER

Oct 30, 2018

OFFICE SYMBOL: **DATE:**

AJV-5420

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA**

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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".
2. DP ROUTE DESCRIPTION, DEPARTING GASTONIA MUNI ... CORRECTED SPELLING OF "EXPECT".

QUALITY
23
CHECKED

DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code			Superseded Number		Dated	Effective Date
KILNS		FOUR		KILNS4.KILNS			THREE		08/17/2017	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW05 (AER)	351232.23N/0805659.80W	N	-	-	-	-				
1260 MSL		-	-	VA	048.47	-			CG 500 FT/NM TO 1300	
		-	-	VM	048.00	-				
MUNBE	351945.50N/0802921.60W	Y	FB	DF	-	-				
RW18C (AER)	351338.63N/0805711.41W	N	-	-	-	-				
1260 MSL		-	-	VA	175.96	-			CG 500 FT/NM TO 1260	
		-	-	VM	175.96	-				
MUNBE	351945.50N/0802921.60W	Y	FB	DF	-	-				
RW18L (AER)	351329.05N/0805610.17W	N	-	-	-	-				
1260 MSL		-	-	VA	175.97	-			CG 500 FT/NM TO 1260	
		-	-	VM	175.97	-				
MUNBE	351945.50N/0802921.60W	Y	FB	DF	-	-				
RW18R (AER)	351331.02N/0805802.71W	N	-	-	-	-				
1260 MSL		-	-	VA	175.96	-			CG 500 FT/NM TO 1260	
		-	-	VM	193.00	-				
MUNBE	351945.50N/0802921.60W	Y	FB	DF	-	-				
RW23 (AER)	351321.42N/0805552.12W	N	-	-	-	-				
1260 MSL		-	-	VA	228.48	-			CG 500 FT/NM TO 1260	
		-	-	VM	228.00	-				
MUNBE	351945.50N/0802921.60W	Y	FB	DF	-	-				
RW36C (AER)	351159.97N/0805702.92W	N	-	-	-	-				
1260 MSL		-	-	VA	355.96	-			CG 500 FT/NM TO 1260	
		-	-	VM	323.00	-				
MUNBE	351945.50N/0802921.60W	Y	FB	DF	-	-				

DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number	Dated	Effective Date
KILNS		FOUR	KILNS4.KILNS				THREE	08/17/2017	
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	-			
MUNBE	351945.50N/0802921.60W	Y	FB	DF	-	-			
RW36R (AER)	351203.45N/0805602.82W	N	-	-	-	-			
1260 MSL		-	-	VA	355.97	-			CG 500 FT/NM TO 1260
		-	-	VM	018.00	-			
MUNBE	351945.50N/0802921.60W	Y	FB	DF	-	-			
MUNBE	351945.50N/0802921.60W	Y	-	IF	-	-			
LILIC	352547.11N/0800929.20W	Y	FB	TF	069.59	17.33			
KILNS	353156.47N/0794917.41W	Y	FB	TF	069.46	17.60			
KILNS	353156.47N/0794917.41W	Y	-	IF	-	-			KILNS4.AUDII
DURST	354215.20N/0791605.58W	Y	FB	TF	069.01	28.96			
AUDII	361207.71N/0784836.26W	Y	FB	TF	036.67	37.26			