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 Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated.

DP COMPUTER CODE

SUPERSEDED NUMBER

DATED

ACTUAL EFFECTIVE DATE

NUMBER

LILLS						THREE	LILLS3.LILLS	TW	' O	01/03	3/19	
TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV							
CHARLO TAKEOF TAKEOF TAKEOF TAKEOF	F RWY 18L: CLI F RWY 18R: CLI F RWY 36C: CLI F RWY 36L: CLI	INTL (KCLT): IMB ON HEADII	NG 182.97 TO NG 182.96 TO NG 002.96 TO NG 002.96 TO	1260, THEN ON 1260, THEN ON 1260, THEN ON 1260, THEN ON	HEADING 1 HEADING 2 HEADING 3 HEADING 3	82.97 OR AS ASSIG 200.00 OR AS ASSIG 330.00 OR AS ASSIG 315.00 OR AS ASSIG	GNED BY ATC ON RA GNED BY ATC ON RA	DAR VECTORS TO DAR VECTORS TO DAR VECTORS TO DAR VECTORS TO	O LAMDE, THENCE O LAMDE, THENCE O LAMDE, THENCE O LAMDE, THENCE	 !		
ON [DEPICTED ROU	TE TO LILLS. M	MAINTAIN 8000	. EXPECT CLEA	RANCE TO	FILED ALTITUDE V	VITHIN 10 MINUTES A	FTER DEPARTUR	RE			
TAKEOF		B ON HEADÍNG		,		SIGNED BY ATC, TI N HEADING ASSIGN	HENCE NED BY ATC, THENCE	I				
TAKEOF		ON HEADING				*	NG ASSIGNED BY ATO I HEADING ASSIGNED	*	E			
TAKEOF	LINCOLNTON-LINCOLN COUNTY RGNL (KIPJ): TAKEOFF RWY 5: CLIMB ON HEADING 063.15 TO 2000 BEFORE PROCEEDING ON COURSE, THEN ON HEADING ASSIGNED BY ATC, THENCE TAKEOFF RWY 23: CLIMB ON HEADING 243.16 TO 2800 BEFORE TURNING LEFT, THEN ON HEADING ASSIGNED BY ATC, THENCE											
TAKEOF	MID-CAROLINA RGNL (KRUQ): TAKEOFF RWY 2: CLIMB ON HEADING ASSIGNED BY ATC, THENCE TAKEOFF RWY 20: CLIMB ON HEADING 201.99 TO 1700 BEFORE TURNING RIGHT, THEN ON HEADING ASSIGNED BY ATC, THENCE											
ON RA	DAR VECTORS	TO LAMDE, TH	HEN ON DEPIC	TED ROUTE TO	LILLS. MAI	INTAIN 3000. EXPE	CT CLEARANCE TO F	FILED ALTITUDE V	WITHIN 10 MINUTES	S AFTEI	R DEPARTUF	RE.
	S ASSIGNED BY						ELD (KLKR), STANLY LILLS. MAINTAIN 3000					IELD (KIZA): CLIMB ON MINUTES AFTER
TRANSIT	ION ROUTES (G	RAPHIC DEPI	CTION ONLY):	-								
TRANSIT	ION NAME	TRANSITI		FROM FIX/NAVAID		<u>TO</u> <u>FIX/NAVA</u>	<u>ID</u>	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
												QUALITY
NOTE: F	URAL DATA NO OR TURBO JETS RANSPONDER	S ONLY.	SISSUED VIA I	PDC OR CHARLO	OTTE CLNC	DEL.						CHECKE

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

DP NAME

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LILLS

L

NOTE: ALL OTHER AIRPORTS: UPON REACHING 10000 MSL, ACCELERATE TO AND MAINTAIN 280 KIAS, IF UNABLE ADVISE ATC.

PBN REQUIREMENTS NOTES:

RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

TAKEOFF MINIMUMS:

CHARLOTTE/DOUGLAS INTL (KCLT):

RWY 18C, 18L, 18R, 36C, 36R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1260.

RWY 36L: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1400.

CONCORD-PADGETT RGNL (KJQF):

RWY 2: STANDARD.

RWY 20: STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 2400.

GASTONIA MUNI (KAKH);

RWY 3, 21: STANDARD.

CHARLOTTE-MONROE EXECUTIVE (KEQY):

RWY 5. 23: STANDARD.

LINCOLNTON-LINCOLN COUNTY RGNL (KIPJ):

RWY 5. 23: STANDARD.

LANCASTER COUNTY-MC WHIRTER FIELD (KLKR):

RWY 6, 24: STANDARD.

STANLY COUNTY (KVUJ):

RWY 4L. 22R: NA - ENVIRONMENTAL.

RWY 22L: STANDARD

RWY 4R: 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 315 FT PER NM TO 1000.

MID-CAROLINA RGNL (KRUQ):

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 (KUZA):

RWY 2, 20: STANDARD.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

CHARLOTTE/DOUGLAS INTL (KCLT):

RWY 36L: 2748 FT MSL TOWER 352145.00N/0810918.00W.

CONCORD-PADGETT RGNL (KJQF):

RWY 20: 1950 FT MSL TOWER 351715.00N/0804144.00W.

STANLY COUNTY (KVUJ):

RWY 4R: 732 FT MSL TREE (37-111225) 352557.53N/0800829.12W (CLIMB GRADIENT), 803 FT MSL TREE (37-112801) 352620.07N/0800816.77W (CLIMB TO ALTITUDE), 820 FT MSL TREE (37-116182)



<u>DP NAME</u>

NUMBER <u>DP COMPUTER CODE</u> <u>SUPERSEDED NUMBER</u> <u>DATED</u> <u>ACTUAL EFFECTIVE DATE</u>

LILLS

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352627.52N/0800810.70W (CEILING), 790 FT MSL (37-114938) 352637.40N/0800804.59N (VISIBILITY).

MID-CAROLINA RGNL (KRUQ):

RWY 20: 1121 FT MSL TOWER 353613.00N/0803234.12W.

MSA:

KCLT MSA FROM KCLT 3800.
KJQF MSA FROM KJQF 3800.
KAKH MSA FROM KAKH 3800.
KEQY MSA FROM KEQY 3100.
KIPJ MSA FROM KIPJ 3800.
KLKR MSA FROM KLKR 2300.
KVUJ MSA FROM KVUJ 3100.
KRUQ MSA FROM KRUQ 3400.

KUZA MSA FROM KUZA 3800.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

AIRPORT MV: KCLT (P) 7W/2000, KJQF 6W/1995, KAKH 6W/2000, KEQY 6W/1990, KIPJ 6W/1995, KLKR 7W/2000, KVUJ 6W/1985, KRUQ 6W/1985, KUZA 5W/1990.

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

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
KCLT	CHARLOTTE	NC
KJQF	CONCORD	NC
KAKH	GASTONIA	NC
KEQY	MONROE	NC
KIPJ	LINCOLNTON	NC
KLKR	LANCASTER	SC
KVUJ	ALBEMARLE	NC NC
KRUQ	SALISBURY	24 NC
		CHECKER

DP NAME NUMBER **DP COMPUTER CODE** SUPERSEDED NUMBER **DATED ACTUAL EFFECTIVE DATE** LILLS THREE LILLS3.LILLS TWO 01/03/19 **KUZA ROCK HILL** SC

COMMUNICATIONS:

CHARLOTTE/DOUGLAS INTL: CHART: ATIS, CLNC DEL, GND CON, TOWER.

CONCORD-PADGETT RGNL: CHART: ATIS. CLNC DEL. GND CON. TOWER. UNICOM.

GASTONIA MUNI: CHART: ASOS. CLNC DEL. UNICOM.

CHARLOTTE-MONROE EXECUTIVE: CHART: ASOS, CLNC DEL, UNICOM.

LINCOLNTON-LINCOLN COUNTY RGNL: CHART: AWOS, CLNC DEL (GCO), UNICOM.

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

STANLY COUNTY: CHART: ATIS. CLNC DEL. GND CON. TOWER. MID-CAROLINA RGNL: CHART: AWOS. CLNC DEL. UNICOM.

May 12, 2023

ROCK HILL/YORK CO/BRYANT FIELD: CHART: ASOS, CLNC DEL, UNICOM

FIXES AND/OR NAVAIDS:

REMARKS:

- 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

FLIGHT INSPECTE JEFFREY ECKMAI	CASEY D HILL	OFFICE FPO	DATE 09/15/2023	
<u>DEVELOPED BY</u> ANA VEGA	<i>Digitally signed by</i> ANA Y VEGA Apr 18, 2023	OFFICE AJV-A412	DATE 01/06/2023	
APPROVED BY JULIE MORGAN	Digitally signed by MARK D ADAMS	OFFICE AJV-A410	<u>DATE</u>	<u>TITLE</u> MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

 $A4A \times$ ALPA X $AOPA \times$ APA X HAI 🗌 $NBAA \times$ OTHER: ZTL, CLT APP CON, CLT ATCT, JQF ATCT, VUJ ATCT, AMGR(S).

CHANGES - REASONS:

- 1. REMOVED ALL REFERENCES TO KCLT RWY 5/23 INCORPORATE NOTAM CLT 05/427.
- 2. TAKEOFF MINIMUMS: STANLY COUNTY (KVUJ) AMENDED RWY 4R FROM "300 1 ½ OR STANDARD WITH MINIMUM CLIMB OF 276 FT PER NM TO 1000" TO "300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 315 FT PER NM TO 1000" - INCORPORATE FDC 3/0577.
- 3. TAKEOFF MINIMUMS: STANLY COUNTY (KVUJ) RWY 4L. 22R UPDATED TO READ "NA ENVIRONMENTAL" PER AIRNAV USED AS ASSAULT STRIP BY MILITARY. IT IS NOT USED FOR IFR OPERATIONS.
- 4. CONTROLLING OBSTACLES: STANLY COUNTY (KVUJ) RWY 4R UPDATED FROM "837 FT MSL TREE 352627.34N/0800808.17W" TO "732 FT MSL TREE (37-111225) 352557.53N/0800829.12W (CLIMB GRADIENT) AND ADDED "803 FT MSL TREE (37-112801) 352620.07N/0800816.77W (CLIMB TO ALTITUDE), 820 FT MSL TREE (37-116182) 352627.52N/0800810.70W (CEILING), 790 FT MSL (37-114938) 352637.40N/0800804.59N (VISIBILITY)."AND CHARLOTTE/DOUGLAS INTL (KCLT) UPDATED RWY 36L TO "2748 FT MSL TOWER 352145.00N/0810918.00W - NEW PENETRATING OBSTACLES.
- 5. CONTROLLING OBSTACLES: REMOVED ALL "ROUTE DEVELOPMENT" OBSTACLES ROUTE ISN'T BASED ON OBSTACLES.
- 6. COMBINED NOTES "RNAV 1" AND "DME/DME/IRU OR GPS REQUIRED" TO READ "RNAV 1 DME/DME/IRU OR GPS REQUIRED" AND MOVED TO PBN REQUIREMENTS NOTES IAW 8260.46J 2-1-1F (6) WALITL AND APPENDIX E. SECTION 1 PARA 5 MEMO.
- 7. PROCEDURAL DATA NOTES: MOVED RADAR REQUIRED NOTE TO EQUIPMENT REQUIREMENT NOTES IAW 8260.46J 2-1-1 F (5).
- 8. PROCEDURAL DATA NOTES: REPLACED "TURBOJETS ONLY" WITH "TURBO JETS ONLY" IAW 8260.46J APP E, SEC 1, PARA 2G.

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<u>DP NAME</u>
LILLS

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THREE
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01/03/19

- 9. ADDITIONAL FLIGHT DATA: REMOVED "REFERENCE PILOT NAVIGATION AREA" NO LONGER REQUIRED PER 8260.46J.
- 10. COMMUNICATIONS: REMOVED DEPARTURE CONTROL (DEP CON) CHARTING DEPARTURE CONTROL FREQUENCY OCCURS AUTOMATICALLY PER IAW 8260.46J APPENDIX E.
- 11. AIRPORTS SERVED: UPDATED TO "AIRPORT ID" ONLY IAW 8260.46J.
- 12. CHANGED DP ROUTE DESCRIPTION FOR ALL RUNWAYS FROM "CLIMB HEADING" TO "CLIMB ON HEADING" IAW 8260.46J APPENDIX E.
- 13. ADDED "APT. ID" FOLLOWING THE AIRPORT NAME ON DP ROUTE DESCRIPTION. TAKEOFF MINIMUMS AND CONTROLLING OBSTACLES IAW 8260.46J.
- 14. MSA: ADDED "KCLT MSA FROM KCLT 3800; KJQF MSA FROM KJQF 3800; KAKH MSA FROM KAKH 3800; KEQY MSA FROM KEQY 3100; KIPJ MSA FROM KIPJ 3800; KLKR MSA FROM KLKR 2300; KVUJ MSA FROM KVUJ 3100; KRUQ MSA FROM KRUQ 3400; KUZA MSA FROM KUZA 3800" IAW 8260.46J APP E, SEC 1, PARA 2K AW 8260.46J, APPENDIX E (2) (K).
- 15. ADDITIONAL FLIGHT DATA: ADDED " AIRPORT MV: KCLT (P) 7W/2000, KJQF 6W/1995, KAKH 6W/2000, KEQY 6W/1990, KIPJ 6W/1995, KLKR 7W/2000, KVUJ 6W/1985, KRUQ 6W/1985, KUZA 5W/1990" CRITERIA CLARIFICATION MEMO (7/15/2022) TO MEMO 283 (6/2/2022).
- 16. COMMUNICATIONS: ADDED "CHART:" TO THE FREQUENCIES FOR EACH AIRPORT IAW 8260.46J APP. E, SEC 1, PARA 20.
- 17. REMARKS: REMOVED "LETTER OF APPROVAL FOR EQY, LKR, AND VUJ AIRPORTS NOT LOCATED WITHIN EXTENDED PNA REQUIRED AND ON FILE APPROVED BY AFS-400 5-20-16" NO LONGER REQUIRED.
- 18. COMMUNICATIONS: STANLY COUNTY (KVUJ) REMOVED "UNICOM" PER NFDD 42 REMOVED FROM ARP.
- 19. DP ROUTE DESCRIPTION: REPLACE ALL INSTANCES OF "EXPECT RADAR" TO "ON RADAR" IAW 8260.46J 2-1-1.G (2).
- 20. DP ROUTE DESCRIPTION: MID-CAROLINA RGNL (KRUQ) ADDED "TAKEOFF RWY 2: CLIMB ON HEADING ASSIGNED BY ATC, THENCE..." FORM UPDATED.

FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE DEPARTURE (DATA RECORD)

<u>DP NAME</u> LILLS						NUMBER THREE	DP COMPUTER CODE LILLS3.LILLS	SUPERSEDED NUMBER TWO	DATED 01/03/19	ACTUAL EFFECTIVE DATE
				LEG						
FIX/NAVAID	<u>LAT/LONG</u>	<u>C</u>	FO/FB	TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW18C (AER)	351338.63N/0805711.41W	N	-	-	-	-				
1260 MSL		-	-	VA	175.96	-			CG 500 FT/NM T	O 1260
		-	-	VM	175.96	-				
LAMDE	345926.51N/0800907.34W	Υ	FB	DF	-	-				
RW18L (AER)	351329.05N/0805610.17W	N	-	-	-	-				
1260 MSL		-	-	VA	175.97	-			CG 500 FT/NM	ГО 1260
		-	-	VM	175.97	-				
LAMDE	345926.51N/0800907.34W	Y	FB	DF	-	-				
RW18R (AER)	351331.02N/0805802.71W	N	-	-	-	-				
1260 MSL		-	-	VA	175.96	-			CG 500 FT/NM	ГО 1260
		-	-	VM	193.00	-				
LAMDE	345926.51N/0800907.34W	Y	FB	DF	-	-				
RW36C (AER)	351159.97N/0805702.92W	N	-		_	-				
1260 MSL		-	-	VA	355.96	-			CG 500 FT/NM TO	1260
		-	-	VM	323.00	-				
LAMDE	345926.51N/0800907.34W	Υ	FB	DF	-	-				
RW36L (AER)	351202.23N/0805755.07W	N	-	-	-	-				, M/s
1260 MSL		-	-	VA	355.96	-			CG 500 FT/NM TO) 1400 24
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DP NAME LILLS						NUMBER THREE	DP COMPUTER CODE LILLS3.LILLS	SUPERSEDED TWO		ATED //03/19	ACTUAL EFFECTIVE DATE
FIX/NAVAID	LAT/LONG	<u>C</u>	FO/FB	LEG TYPE	<u>TC</u>	DIST (NM)	ALTITUDE	SPEED		REMARKS	
		-	-	VM	308.00	-					
LAMDE	345926.51N/0800907.34W	Υ	FB	DF	-	-					
RW36R (AER)	351203.45N/0805602.82W	N	-	-	-	-					
1260 MSL		-	-	VA	355.97	-			CG	500 FT/NM TO	1260
		-	-	VM	018.00	-					
LAMDE	345926.51N/0800907.34W	Υ	FB	DF	-	-					
LAMDE	345926.51N/0800907.34W	Υ	-	IF	-	-					
LILLS	345607.59N/0795548.73W	Υ	FB	TF	106.77	11.43					