

**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 statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
LILLS	FOUR	LILLS4.LILLS	THREE	03/21/2024	

<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:

CLT:

TAKEOFF RWY 18C: CLIMB ON HEADING 182.96 TO 1260, THEN ON HEADING 182.96 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO LAMDE, THENCE...
 TAKEOFF RWY 18L: CLIMB ON HEADING 182.97 TO 1260, THEN ON HEADING 182.97 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO LAMDE, THENCE...
 TAKEOFF RWY 19R: CLIMB ON HEADING 182.96 TO 1260, THEN ON HEADING 200.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO LAMDE, THENCE...
 TAKEOFF RWY 36C: CLIMB ON HEADING 002.96 TO 1260, THEN ON HEADING 330.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO LAMDE, THENCE...
 TAKEOFF RWY 1L: CLIMB ON HEADING 002.96 TO 1260, THEN ON HEADING 315.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO LAMDE, THENCE...
 TAKEOFF RWY 36R: CLIMB ON HEADING 002.97 TO 1260, THEN ON HEADING 025.00 OR AS ASSIGNED BY ATC FOR RADAR VECTORS TO LAMDE, THENCE...

.....ON DEPICTED ROUTE TO LILLS. MAINTAIN 8000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE

JQF:

TAKEOFF RWY 2: CLIMB ON HEADING 016.46 TO 2200, THEN ON HEADING ASSIGNED BY ATC, THENCE...
 TAKEOFF RWY 20: CLIMBING LEFT TURN HEADING 150.00 TO 2400, THEN ON HEADING ASSIGNED BY ATC, THENCE...

AKH:

TAKEOFF RWY 3: CLIMB ON HEADING 049.34 TO 2700 BEFORE TURNING LEFT, THEN ON HEADING ASSIGNED BY ATC, THENCE...
 TAKEOFF RWY 21: CLIMB ON HEADING 214.33 TO 1600 BEFORE PROCEEDING NORTH, THEN ON HEADING ASSIGNED BY ATC, THENCE...

IPJ:

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...

RUQ:

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....

...FOR RADAR VECTORS TO LAMDE, THEN ON DEPICTED ROUTE TO LILLS. MAINTAIN 3000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

DEPARTING EQY, LKR, VUJ, AND UZA: CLIMB ON HEADING ASSIGNED BY ATC FOR RADAR VECTORS TO LAMDE, THEN ON DEPICTED ROUTE TO LILLS. MAINTAIN 3000. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

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>

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.



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LILLS	FOUR	LILLS4.LILLS	THREE	03/21/2024	

PROCEDURAL DATA NOTES:

NOTE: TURBOJET ONLY.

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

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

NOTE: CLT 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:

CLT:

RWY 18C, 18L, 19R, 36C, 36R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1260.

RWY 1L: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1400.

JQF:

RWY 2: STANDARD.

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

AKH:

RWY 3, 21: STANDARD.

EQY:

RWY 5, 23: STANDARD.

IPJ:

RWY 5, 23: STANDARD.

LKR:

RWY 6, 24: STANDARD.

VUJ:

RWY 4L, 22R: NA - ENVIRONMENTAL.

RWY 22L: STANDARD

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

RUQ:

RWY 2: STANDARD.

RWY 20: 400-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 205 FT/NM TO 1300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT/NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.

UZA:

RWY 2, 20: STANDARD.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

CLT:

RWY 1L: 2748 FT MSL TOWER 352145.00N/0810918.00W.

JQF:

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

VUJ:

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



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LILLS	FOUR	LILLS4.LILLS	THREE	03/21/2024	

RUQ:
RWY 20: 1121 FT MSL TOWER 353613.00N/0803234.12W (CLIMB GRADIENT).

MSA:
CLT, 3800
JQF, 3800
AKH, 3800
EQY, 3100
IPJ, 3800
LKR, 2300
VUJ, 3100
RUQ, 3400
UZA, 3800

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

AIRPORT MV: CLT (P) 7W/2000, JQF 6W/1995, AKH 6W/2000, EQY 6W/1990, IPJ 6W/1995, LKR 7W/2000, VUJ 6W/1985, RUQ 6W/1985, UZA 5W/1990.
DME/DME ASSESSMENT: SAT (RNP 2.0)
CLT - CHART: TOP ALTITUDE 8000
JQF, AKH, EQY, IPJ, LKR, VUJ, RUQ, UZA - CHART: TOP ALTITUDE 3000.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
CLT	CHARLOTTE	NC
JQF	CONCORD	NC
AKH	GASTONIA	NC
EQY	MONROE	NC
IPJ	LINCOLN TON	NC
LKR	LANCASTER	SC
VUJ	ALBEMARLE	NC
RUQ	SALISBURY	NC
UZA	ROCK HILL	SC

COMMUNICATIONS:

CLT: CHART: ATIS, CLNC DEL, GND CON, TOWER, CPDLC.
JQF: CHART: ATIS, CLNC DEL, GND CON, TOWER, UNICOM.
AKH: CHART: ASOS, CLNC DEL, UNICOM.
EQY: CHART: ASOS, CLNC DEL, UNICOM.
IPJ: CHART: AWOS, CLNC DEL (GCO), UNICOM.
LKR: CHART: AWOS, GCO, UNICOM.
VUJ: CHART: ATIS, CLNC DEL, GND CON, TOWER.
RUQ: CHART: AWOS, CLNC DEL, UNICOM.
UZA: CHART: ASOS, CLNC DEL, UNICOM



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FIXES AND/OR NAVAIDS:

REMARKS:

CHART: NOTE: (CLT ONLY) SEE ADDITIONAL REQUIREMENTS ON AAUP.
 JQF RWY 20 CLIMB GRADIENT ROUNDED TO 320 FT PER NM FOR PUBLICATION (COMPUTED VALUE 317 FT PER NM).
 RUQ RWY 20 CLIMB GRADIENT ROUNDED TO 205 FT PER NM FOR PUBLICATION (COMPUTED VALUE 202 FT PER NM).
 ABBREVIATED AMENDMENT.

<u>FLIGHT INSPECTED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>
PROCESSED IAW TECHNICAL SUPPORT (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.			

<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>SIGNATURE</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>
JAMIE KUNKLER		CASIMIR L TABAKA	CASIMIR L TABAKA	AJV-A432	11/19/2025
		Dec 08, 2025	Dec 08, 2025		

<u>APPROVED BY</u>	<i>Digitally signed by</i>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CASIMIR L. TABAKA		CASIMIR L TABAKA	AJV-A432		MANAGER
		Dec 08, 2025			

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:**ZTL, CLT APP CON, CLT ATCT, JQF ATCT, VUJ ATCT, AMGR(S).

CHANGES - REASONS:

1. CLT RWYS 18R/36L CHANGED TO RWYS 1L/19R. - RUNWAY RENUMBERING.
2. ALL AIRPORT NAMES AND ICAO IDENTIFIERS CHANGED TO AIRPORT THREE-LETTER IDENTIFIERS - 8260.46K COMPLIANCE.
3. DP ROUTE DESCRIPTION: CHANGED "ON RADAR VECTORS" TO "FOR RADAR VECTORS" - IAW 8260.46K 2-1-5.K
4. DP ROUTE DESCRIPTION: CHANGED "EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE" TO "EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE" - AFS DIRECTED.
5. DP ROUTE DESCRIPTION: JQF RWY 20 CHANGED "TTHEN" TO "THEN" - CORRECTED TYPO.
6. PROCEDURAL DATA NOTES: CHANGED "NOTE: FOR TURBO JETS ONLY" TO "NOTE: TURBOJET ONLY" - IAW 8260.46K APPENDIX E SECTION 1 2.G.
7. TAKEOFF MINIMUMS: CHANGED ALL REFERENCE OF "FT PER NM" TO "FT/NM" - IAW 8260.46K 2-1-3.D(2)(A).
8. CONTROLLING OBSTACLES: RUQ RWY 20, REMOVED "1848 FT MSL TOWER 353531.99N/0803743.98W (ROUTE DEVELOPMENT)" - NOT REQUIRED FOR SIDS.
9. MSA: UPDATED FORMATTING TO CURRENT CRITERIA - IAW 8260.46K 3-1-2.C.
10. ADDITIONAL FLIGHT DATA: UPDATED FORMATTING FOR AIRPORTS WITH TOP ALTITUDE 3000 - IAW 8260.46K APPENDIX E SECTION 1 2.M.
11. AIRPORTS SERVED: UPDATED AIRPORT ID FORMATTING - IAW 8260.46K 2-1-1.J.
12. COMMUNICATIONS: ADDED CPDLC TO CLT - CURRENTLY CHARTED.
13. REMARKS: AAUP STATEMENT MOVED FROM ADDITIONAL FLIGHT DATA TO REMARKS - IAW 8260.46K APPENDIX E, SECTION 1, 2.Q.(3).



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>				
LILLS	FOUR	LILLS4.LILLS	THREE	03/21/2024					
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RW18C (AER)	351338.63N/0805711.41W	N	-	-	-	-			
1260 MSL		-	-	VA	175.96	-	AT/ABOVE 1260		CG 500 FT/NM TO 1260
		-	-	VM	175.96	-			
RW18L (AER)	351329.04N/0805610.17W	N	-	-	-	-			
1260 MSL		-	-	VA	175.97	-	AT/ABOVE 1260		CG 500 FT/NM TO 1260
		-	-	VM	175.97	-			
RW19R (AER)	351331.02N/0805802.71W	N	-	-	-	-			
1260 MSL		-	-	VA	175.96	-	AT/ABOVE 1260		CG 500 FT/NM TO 1260
		-	-	VM	193.00	-			
RW36C (AER)	351159.97N/0805702.92W	N	-	-	-	-			
1260 MSL		-	-	VA	355.96	-	AT/ABOVE 1260		CG 500 FT/NM TO 1260
		-	-	VM	323.00	-			
RW01L (AER)	351202.23N/0805755.07W	N	-	-	-	-			
1260 MSL		-	-	VA	355.96	-	AT/ABOVE 1260		CG 500 FT/NM TO 1400
		-	-	VM	308.00	-			
RW36R (AER)	351203.44N/0805602.82W	N	-	-	-	-			
1260 MSL		-	-	VA	355.97	-	AT/ABOVE 1260		CG 500 FT/NM TO 1260



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LILLS	FOUR	LILLS4.LILLS	THREE	03/21/2024					
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
		-	-	VM	018.00	-			
LAMDE	345926.51N/0800907.34W	Y	-	IF	-	-			
LILLS	345607.59N/0795548.73W	Y	FB	TF	106.77	11.43			