

**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SUPERSEDED NUMBER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>
JOJJO	SIX	JOJJO6.JOJJO	FIVE	03/21/2024	14 MAY 2026

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

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 WAYDS, 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 WAYDS, 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 WAYDS, 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 WAYDS, 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 WAYDS, 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 WAYDS, THENCE...

...ON DEPICTED ROUTE TO JOJJO, THEN ON ASSIGNED TRANSITION. 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 WAYDS, THEN ON DEPICTED ROUTE TO JOJJO. THEN ON ASSIGNED TRANSITION. 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 WAYDS, THEN ON DEPICTED ROUTE TO JOJJO. THEN ON ASSIGNED TRANSITION. 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>
CUBIM	JOJJO6.CUBIM	JOJJO	WLLGO	TRACK 304.55	7.46	7800	5100	
		WLLGO	BENBY	TRACK 304.92	17.49	11300	5200	
		BENBY	TIELR	TRACK 329.37	75.63	FL180	8500	

QUALITY
20
CHECKED

NFDD No. 048			03/12/2026		77		
DP NAME		NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE	
JOJJO		SIX	JOJJO6.JOJJO	FIVE	03/21/2024	14 MAY 2026	
		TIELR	CUBIM	TRACK 329.44	10.03	FL180	6200
DOOGE	JOJJO6.DOOGE	JOJJO	MTCHL	TRACK 330.98	6.32	7500	4300
		MTCHL	DOOGE	TRACK 331.52	86.47	FL180	7800
NOONN	JOJJO6.NOONN	JOJJO	WLLGO	TRACK 304.55	7.46	7800	5100
		WLLGO	BENBY	TRACK 304.92	17.49	11300	5200
		BENBY	SLEPP	TRACK 304.75	55.13	FL180	8500
		SLEPP	BFORE	TRACK 272.36	37.69	FL180	5100
		BFORE	NOONN	TRACK 271.93	68.27	FL180	6100
PBN REQUIREMENT NOTES: RNAV 1 - DME/DME/IRU OR GPS.							
EQUIPMENT REQUIREMENT NOTES: RADAR REQUIRED.							
PROCEDURAL DATA NOTES: NOTE: TURBOJET ONLY. NOTE: IF UNABLE TO ACCEPT CLIMB RATES, ADVISE ATC ON INITIAL CONTACT. NOTE: TRANSPONDER CODE WILL BE ISSUED VIA PDC OR CLT CLNC DEL. 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							



NFDD No. 048

03/12/2026

78

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
JOJJO	SIX	JOJJO6.JOJJO	FIVE	03/21/2024	14 MAY 2026

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).

RUQ:

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

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 7W/2000 (P), 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:

AIRPORT ID	CITY	STATE
CLT	CHARLOTTE	NC
JQF	CONCORD	NC
AKH	GASTONIA	NC

FAA Form 8260-15B (03/23) Supersedes Previous Edition

Electronic Version

Page 3 of 5

QUALITY

20

CHECKED

NFDD No. 048

03/12/2026

79

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
JOJJO	SIX	JOJJO6.JOJJO	FIVE	03/21/2024	14 MAY 2026
EQY		MONROE			NC
IPJ		LINCOLNTON			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

FIXES AND/OR NAVAIDS:

LONEE

REMARKS:

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.
CHART NOTE: (CLT ONLY) SEE ADDITIONAL REQUIREMENTS ON AAUP.

FLIGHT INSPECTED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17)
MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR
PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/
VALIDATION.

SIGNATURE

Digitally signed by
CASIMIR L TABAKA
Jan 26, 2026

OFFICE

DATE

DEVELOPED BY

Digitally signed by
JACOB H CLARK
Dec 03, 2025

SIGNATURE

OFFICE

AJV-A432

DATE

11/14/2025

APPROVED BY

CASIMIR TABAKA

SIGNATURE

Digitally signed by
CASIMIR L TABAKA
Jan 26, 2026

OFFICE

AJV-A432

DATE

TITLE

MANAGER

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).

FAA Form 8260-15B (03/23) Supersedes Previous Edition

Electronic Version

Page 4 of 5

QUALITY
20
CHECKED

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
JOJJO	SIX	JOJJO6.JOJJO	FIVE	03/21/2024	14 MAY 2026

CHANGES - REASONS:

1. CLT RWYS 18R/36L CHANGED TO RWYS 19R/1L. - 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. PROCEDURAL DATA NOTES: NOTE CHANGED FROM "FOR TURBO JETS ONLY" TO "TURBOJET ONLY" - ATC/FPT REQUEST.
6. TAKEOFF MINIMUMS: CHANGED ALL REFERENCE OF "FT PER NM" TO "FT/NM" - IAW 8260.46K 2-1-3.D(2)(A).
7. MSA: UPDATED FORMATTING TO CURRENT CRITERIA - IAW 8260.46K 3-1-2.C.
8. AIRPORTS SERVED: UPDATED AIRPORT ID FORMATTING - IAW 8260.46K 2-1-1.J.
9. COMMUNICATIONS: ADDED CPDLC TO CLT - CURRENTLY CHARTED.
10. 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)**

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
JOJJO				SIX		JOJJO6.JOJJO		FIVE		03/21/2024		14 MAY 2026	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
RW18C (AER)	351338.63N/0805711.41W	N	-	-	-	-							
		-	-	VA	175.96	-	AT/ABOVE 1260		CG 500 FT/NM TO 1260				
		-	-	VM	175.96	-							
RW18L (AER)	351329.04N/0805610.17W	N	-	-	-	-							
		-	-	VA	175.97	-	AT/ABOVE 1260		CG 500 FT/NM TO 1260				
		-	-	VM	175.97	-							
RW19R (AER)	351331.02N/0805802.71W	N	-	-	-	-							
		-	-	VA	175.96	-	AT/ABOVE 1260		CG 500 FT/NM TO 1260				
		-	-	VM	193.00	-							
RW36C (AER)	351159.97N/0805702.92W	N	-	-	-	-							
		-	-	VA	355.96	-	AT/ABOVE 1260		CG 500 FT/NM TO 1260				
		-	-	VM	323.00	-							
RW1L (AER)	351202.23N/0805755.07W	N	-	-	-	-							
		-	-	VA	355.96	-	AT/ABOVE 1260		CG 500 FT/NM TO 1400				
		-	-	VM	308.00	-							
RW36R (AER)	351203.44N/0805602.82W	N	-	-	-	-							
		-	-	VA	355.97	-	AT/ABOVE 1260		CG 500 FT/NM TO 1260				
		-	-	VM		-							

QUALITY

QUALITY
20
CHECKED

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
JOJJO							SIX	JOJJO6.JOJJO	FIVE	03/21/2024	14 MAY 2026
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
		-	-	VM	018.00	-					
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	-	-			JOJJO6.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	-	-			JOJJO6.DOOG		
MTCHL	353824.20N/0813244.70W	Y	FB	TF	323.98	6.32					
DOOG	364838.93N/0823514.37W	Y	FB	TF	324.52	86.47					
JOJJO	353316.96N/0812810.93W	Y	-	IF	-	-			JOJJO6.NOON		
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					
NOON	360038.37N/0850543.68W	Y	FB	TF	264.93	68.27					

