

**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SUPERSEDED NUMBER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>
KNIGHTS	FOUR	KN14.KNI	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 type="checkbox"/>

DP ROUTE DESCRIPTION:

CLT:

RWY 18C: CLIMB ON HEADING 182.96 TO 1200 BEFORE TURNING LEFT, THENCE...

RWY 18L: CLIMB ON HEADING 182.97 OR AS ASSIGNED BY ATC, THENCE...

RWY 19R: CLIMB ON HEADING 182.96 OR AS ASSIGNED BY ATC, THENCE...

RWY 36C: CLIMB ON HEADING 002.96 TO 1400 BEFORE TURNING LEFT, THENCE...

RWY 1L: CLIMB ON HEADING 002.96 TO 1800 BEFORE TURNING LEFT, THENCE...

RWY 36R: CLIMB ON HEADING 002.97 OR AS ASSIGNED BY ATC, THENCE...

... ON RADAR VECTORS TO INTERCEPT FILED/ASSIGNED TRANSITION OR ENROUTE FIX/NAVAID. MAINTAIN 4000, EXPECT FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

JQF:

RWY 2: CLIMB ON HEADING 016.46 TO 2200, THENCE...

RWY 20: CLIMBING LEFT TURN HEADING 150 TO 2400, THENCE...

... ON RADAR VECTORS TO INTERCEPT FILED/ASSIGNED TRANSITION OR ENROUTE FIX/NAVAID. MAINTAIN 3000, EXPECT FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

AKH:

RWY 3: CLIMB ON HEADING 049.34 TO 2700, THENCE...

RWY 21: CLIMB ON HEADING 214.33 TO 1600 BEFORE PROCEEDING NORTH, THENCE...

... ON RADAR VECTORS TO INTERCEPT FILED/ASSIGNED TRANSITION OR ENROUTE FIX/NAVAID. MAINTAIN 3000, EXPECT FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

EQY:

RWY 5: CLIMB ON HEADING 052.98, THENCE...

RWY 23: CLIMB ON HEADING 232.99, THENCE...

... ON RADAR VECTORS TO INTERCEPT FILED/ASSIGNED TRANSITION OR ENROUTE FIX/NAVAID. MAINTAIN 3000, EXPECT FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

UZA:

RWY 2: CLIMB ON HEADING 016.23, THENCE...

RWY 20: CLIMB ON HEADING 196.23, THENCE...

... ON RADAR VECTORS TO INTERCEPT FILED/ASSIGNED TRANSITION OR ENROUTE FIX/NAVAID. MAINTAIN 3000, EXPECT FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

IPJ:

RWY 5: CLIMB ON HEADING 063.15 TO 2000 BEFORE PROCEEDING ON COURSE. THENCE...

RWY 23: CLIMB ON HEADING 243.16 TO 2800 BEFORE TURNING LEFT, THENCE...

... ON RADAR VECTORS TO INTERCEPT FILED/ASSIGNED TRANSITION OR ENROUTE FIX/NAVAID. MAINTAIN 3000, EXPECT FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

LKR:

RWY 6: CLIMB ON HEADING 065.51, THENCE...

RWY 24: CLIMB ON HEADING 245.52. THENCE...

... ON RADAR VECTORS TO INTERCEPT FILED/ASSIGNED TRANSITION OR ENROUTE FIX/NAVAID. MAINTAIN 3000, EXPECT FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

VUJ:

RWY 4R: CLIMB ON HEADING 043.18, THENCE...

RWY22L: CLIMB ON HEADING 223.19, THENCE...

... ON RADAR VECTORS TO INTERCEPT FILED/ASSIGNED TRANSITION OR ENROUTE FIX/NAVAID. MAINTAIN 3000, EXPECT FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.



DP NAME KNIGHTS	NUMBER FOUR	DP COMPUTER CODE KNI4.KNI	SUPERSEDED NUMBER THREE	DATED 03/21/2024	ACTUAL EFFECTIVE DATE
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RUQ:

RWY 2: CLIMB ON HEADING 021.99, THENCE...

RWY 20: CLIMB ON HEADING 201.99 TO 1700 BEFORE TURNING WEST, THENCE...

... ON RADAR VECTORS TO INTERCEPT FILED/ASSIGNED TRANSITION OR ENROUTE FIX/NAVAID. MAINTAIN 3000, EXPECT FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
PEKNN	KNI4.PEKNN	CLT VOR/DME	GIPPR	93.32 (CLT R-093)	47.52	4000	3100	
		GIPPR	PEKNN	92.10 (SDZ R-272)	5.55	4000	1900	
LILLS	KNI4.LILLS	CLT VOR/DME	LILLS	111.58 (CLT R-112)	52.58	9000	2700	
HAMLN	KNI4.HAMLN	CLT VOR/DME	WALUT	175.19 (CLT R-175)	31.83	5000	2200	
		WALUT	HAMLN	175.19 (CLT R-175)	18.70	5000	2000	
DEBIE	KNI4.DEBIE	CLT VOR/DME	DEBIE	255.00 (CLT R-255)	45.00	11000	2700	
NEANO	KNI4.NEANO	CLT VOR/DME	BOBZY	274.71 (CLT R-275)	33.56	8000	2900	
		BOBZY	NEANO	249.85 (ODF R-070)	18.89	8000	3600	
FLYYN	KNI4.FLYYN	CLT VOR/DME	FLYYN	360.00 (CLT R-360)	55.00	5000	4700	
CEGAL	KNI4.CEGAL	CLT VOR/DME	FLYYN	360.00 (CLT R-360)	55.00	5000	4700	
		FLYYN	CEGAL	360.00 (CLT R-360)	40.00	9000	6800	

PBN REQUIREMENT NOTES:

EQUIPMENT REQUIREMENT NOTES:

RADAR AND DME REQUIRED.

PROCEDURAL DATA NOTES:

NOTE: PROPS ONLY.

NOTE: TURBOPROPS: OPERATE IN A MANNER THAT WILL RESULT IN BEST FORWARD SPEED AND CLIMB RATE.

NOTE CLT ONLY: TRANSPONDER CODE WILL BE ISSUED VIA PDC OR CHARLOTTE CLEARANCE DELIVERY.

NOTE JQF ONLY: TRANSPONDER CODE WILL BE ISSUED VIA CONCORD ATCT OR CHARLOTTE CLEARANCE DELIVERY.

NOTE AKH, EQY, UZA, IPJ, LKR, VUJ, RUQ ONLY: TRANSPONDER CODE WILL BE ISSUED VIA CHARLOTTE CLEARANCE DELIVERY.

TAKEOFF MINIMUMS:

CLT:

RWY 18C, 18L, 19R, 36C, 1L, 36R: STANDARD.

JQF:

RWY 2: STANDARD.

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



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KNIGHTS	FOUR	KNI4.KNI	THREE	03/21/2024	

AKH:
RWY 3, 21: STANDARD.

EQY:
RWY 5, 23: STANDARD.

IPJ:
RWY 5, 23: STANDARD.

LKW:
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:
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: BZM VOR/DME, 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.
CHART: V54-409, CLT VOR/DME R-093 GIPPR TO PEKNN.



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CHART: ODF DME AT NEANO.

CLT - CHART: TOP ALTITUDE 4000

CHART: SOUTHEAST AND NORTHWEST DEPARTURE SECTORS WITH DASHED LINE EXTENDED THROUGH CLT VOR/DME FROM 055 DEGREES TO 235 DEGREES.

JQF - CHART: TOP ALTITUDE 3000.

AKH - CHART: TOP ALTITUDE 3000.

EQY - CHART: TOP ALTITUDE 3000.

IPJ - CHART: TOP ALTITUDE 3000.

LKR - CHART: TOP ALTITUDE 3000.

VUJ - CHART: TOP ALTITUDE 3000.

RUQ - CHART: TOP ALTITUDE 3000.

UZA - CHART: TOP ALTITUDE 3000.

AIRPORTS SERVED:

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

COMMUNICATIONS:

CLT: CHART: ATIS, CLNC DEL, GND CON, TOWER.

JQF: CHART: ATIS, CLNC DEL, GND CON, TOWER, UNICOM.

AKH: CHART: ASOS, CLNC DEL, UNICOM.

EQY: CHART: ASOS, CLNC DEL, UNICOM.

UZA: CHART: ASOS, CLNC DEL, UNICOM

IPJ: CHART: AWOS, CLNC DEL (GCO), UNICOM.

LKR: CHART: AWOS, GCO, UNICOM.

RUQ: CHART: AWOS, CLNC DEL, UNICOM.

VUJ: CHART: ATIS, CLNC DEL, GND CON, TOWER.

FIXES AND/OR NAVAIDS:

REMARKS:

ABBREVIATED AMENDMENT



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KNIGHTS	FOUR	KNI4.KNI	THREE	03/21/2024	

<u>FLIGHT INSPECTED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>
PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION VALIDATION.	<i>Digitally signed by</i> CASIMIR L TABAKA Dec 05, 2025		

<u>DEVELOPED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>
CHARLES HIRST	<i>Digitally signed by</i> CHARLES HIRST Dec 03, 2025	AJV-A431	12/03/2025

<u>APPROVED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CASIMIR TABAKA	<i>Digitally signed by</i> CASIMIR L TABAKA Dec 05, 2025	AJV-A431		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).

CHANGES - REASONS:

1. ALL INSTANCES OF AIRPORT NAMES AND ICAO ID CHANGED TO NASR ID - IAW 8260.46K 2-1-1.J.
2. DP ROUTE DESCRIPTION CHANGED FROM "EXPECT FILED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE" TO "EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE" FOR ALL AIRPORTS - PER AFS CLARIFICATION AND GUIDANCE.
3. TRANSITION ROUTES REMOVED ANDYS TRANSITION - PER ATC AND FPT REQUEST DUE TO CLT VOR/DME NAVAID RESTRICTIONS TRANSITION IS NO LONGER USEABLE.
4. ALL INSTANCES OF CLT RWY NUMBERS CHANGED FROM 36L/18R TO 1L/19R - RUNWAY RENUMBERED DUE TO PREVIOUS MAGVAR UPDATE.
5. TAKEOFF MINIMUMS ALL INSTANCES OF "FT PER NM" CHANGED TO "FT/NM" - IAW 8260.46K APPENDIX D SECTION 2 PARA 2.H.
6. MSA UPDATED FORMATTING TO CURRENT CRITERIA STANDARDS - IAW 8260.46K 3-1-2.B.
7. FIXES AND/OR NAVAIDS REMOVED "ODF VOR/DME, SUG VORTAC, SDZ VORTAC, FLO VORTAC" - NO LONGER REQUIRED, ATC COORDINATED.
8. PROCEDURAL DATA NOTES: CHANGED "NOTE: FOR PROPELLER AIRCRAFT ONLY." TO "NOTE: PROPS ONLY" - IAW WITH CURRENT AFS GUIDANCE.

