

**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SUPERSEDED NUMBER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>
PACKK	NINE	PACK9.RDU	EIGHT	05/24/18	25 FEB 2021
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
☐	☐	☒	☐	☐	☐

DP ROUTE DESCRIPTION:

RWY 5L/R: CLIMB ON HEADING 054.14, OR AS ASSIGNED BY ATC, THENCE...

RWY 23L/R: CLIMB ON HEADING 234.15, OR AS ASSIGNED BY ATC, THENCE..

...FOR RADAR VECTORS TO ASSIGNED/FILED TRANSITION/FIX/NAVAID/AIRWAY, MAINTAIN 6000, EXPECT FILED ALTITUDE TEN 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>
FAYETTEVILLE	PACK9.FAY	RDU VORTAC	EVIGY	214.98 (RDU R-215)	16.36	3200		
		EVIGY	FAY VOR/DME	180.01 (FAY R-360)	38.52	3200		
ROZBO	PACK9.ROZBO	RDU VORTAC	ROZBO	181.00 (RDU R-181)	55.40	5000	3100	
SHPRD	PACK9.SHPRD	RDU VORTAC	LIB VORTAC	274.09 & 087.60 (RDU R-274 & LIB R-088)	40.62	3100		
		LIB VORTAC	SHPRD	260.67 (LIB R-261)	43.25	3700	3100	

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED.

NOTE: TURBOJETS ONLY.

SPECIAL INSTRUCTIONS: FOR APPROPRIATE DEPARTURE CONTROL FREQUENCY USE FREQUENCY DEPICTED WITHIN SECTOR FOR ROUTE OF FLIGHT AFTER RDU VORTAC.

TAKEOFF MINIMUMS:

RWY 14, 32: NA - ATC

RWY 5L, 5R: STANDARD.

RWY 23L: STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 2300.

RWY 23R: STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 2100.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 23L/R: 2048 MSL TOWER 354251.00N/0784903.00W.

LOST COMMUNICATIONS PROCEDURES:

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
PACKK	NINE	PACK9.RDU	EIGHT	05/24/18	25 FEB 2021

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: 6000
 CHART: V194-409
 CHART: GSO R-229 AT SHPRD
 REFERENCE MAG VAR: KRDU 9W EPOCH YEAR: 2020.
 CHART: NORTH DEPARTURE (230-024): 132.35, 256.9, SOUTH DEPARTURE (025-229): 125.3, 353.675.
 DIVIDE SECTORS WITH A DASHED LINE PARALLEL TO AND IN BETWEEN RALEIGH-DURHAM RWYS 5L/23R AND 5R/23L.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
RALEIGH/DURHAM INTL	KRDU	RALEIGH/DURHAM	NC

COMMUNICATIONS:

ATIS, ASOS, CLEARANCE DELIVERY, DEPARTURE CONTROL

FIXES AND/OR NAVAIDS:

FLAT ROCK (FAK) VORTAC, TAR RIVER (TYI) VORTAC, WILMINGTON (ILM) VORTAC, CHARLESTON (CHS) VORTAC.

REMARKS:**FLIGHT INSPECTED BY**

JOHN KEARBY

Digitally signed by
DONALD H LANIER
 Nov 10, 2020

OFFICE

FICO

DATE

03/20/2020

DEVELOPED BY

ROBERT GRIM

Digitally signed by
ROBERT GRIM
 Jun 17, 2020

OFFICE

AJV-A431

DATE

12/16/2019

APPROVED BY

GEORGE DAVIS

Digitally signed by
DONALD H LANIER

OFFICE

AJV-A430

DATE**TITLE**

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

Nov 10, 2020

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZDC, RDU DEP CON, APT MGR

CHANGES - REASONS:

DELETED ROANOKE TRANSITION AND ASSOCIATED DATA - PER FPT/ATC REQUEST.
 ADDED TOP ALTITUDE OF 6000 FT - IAW 8260.46G, APPENDIX D, 10 C AND FPT/ATC REQUEST.
 ADDED FAYETTEVILLE TRANSITION AND ASSOCIATED DATA - PER FPT/ATC REQUEST.
 ADDED ROZBO TRANSITION AND ASSOCIATED DATA - PER FPT/ATC REQUEST.
 RWY 23L TAKEOFF MINIMUMS CHANGED FROM STANDARD TO STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 2300 - TO MATCH PUBLISHED TAKEOFF MINIMUMS AND DIVERSE VECTOR AREA MINIMUMS.
 RWY 23R TAKEOFF MINIMUMS CHANGED FROM STANDARD TO STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 2100 - TO MATCH PUBLISHED TAKEOFF MINIMUMS AND DIVERSE VECTOR AREA MINIMUMS.
 ADDED RWY 23L/R CONTROLLING OBSTACLE OF 2048 MSL TOWER - IAW 8260.46G APPENDIX D, 11 A. B.
 ADDED FAK, TYI, ILM AND CHS VORTACS TO BE CHARTED - PER FPT/ATC REQUEST.
 ADDED CHART NOTE FOR DEPARTURE FREQUENCY SELECTION - PER FPT/ATC REQUEST.

QUALITY
18
CHECKED

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DELETED REMARK: ATC VERIFIED THAT LOCAL SOP RESTRICTS TURNING LEFT OFF OF RWY 23R DUE TO 2049 MSL TOWER (354251N/0784903W). AIRCRAFT TURN RIGHT OFF OF RWY 23R ONTO R-274 (V199-414). MVA OVER TOWER IS 3000. MVA IN VICINITY OF ARPT IS 2000 (WITHIN 25 NM RADIUS OF ARPT) - NO LONGER APPLICABLE. PROCEDURE AND ATC PROVIDE AIRCRAFT SEPARATION.

CHANGED DP ROUTE DESCRIPTION FROM RWY 5L/R: CLIMB HEADING 054.00, THENCE...RWY 23L/R: CLIMB HEADING 234.00, THENCE.....AS ASSIGNED TO JOIN FILED ROUTE/FIX, EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL TEN MINUTES AFTER DEPARTURE. TO RWY 5L/R: CLIMB ON HEADING 054.14, OR AS ASSIGNED BY ATC, THENCE... RWY 23L/R: CLIMB ON HEADING 234.15, OR AS ASSIGNED BY ATC, THENCE.. ...FOR RADAR VECTORS TO ASSIGNED/FILED TRANSITION/FIX/NAVAID/AIRWAY, MAINTAIN 6000, EXPECT FILED ALTITUDE TEN MINUTES AFTER DEPARTURE - IAW 8260.46G PARA 1-1-5A(3).

DELETED FAY VTAC CROSSING RADIAL FROM FAETTEVILLE TRANSITION - AIRCRAFT ARE NOT TRANSITIONING BETWEEN FACILITIES IAW 8260.46G SECTION 2, 4 E.

CHANGED EVIGY TO FAY VTAC COURSE FROM 179.98/(FAY R-180) TO 181.01/(FAY R-360) - RECIPRICAL OF RADIAL.

DELETED FAY VTAC CROSSING RADIAL FROM ROZBO TRANSITION - AIRCRAFT ARE NOT TRANSITIONING BETWEEN FACILITIES IAW 8260.46G SECTION 2, 4 E..

CHANGED MEA FROM 3200 TO 5000 ON ROZBO TRANSITION - RALEIGH-DURHAM (RDU) VORTAC IS NOT USABLE BELOW 5000 AT ROZBO BASED ON ESV AND AIRNAV DATA.

ADDED MOCA OF 3200 TO ROZBO TRANSITION - MEA IS BASED ON FACILITY RECEPTION NOT OBSTACLES.

CHANGED CHART: GSO R-229 TO SHPRD TO CHART: GSO R-229 AT SHPRD IN ADDITIONAL FLIGHT DATA - TO ENSURE CHARTING CLARITY..

DELETED GREENSBORO VTAC FROM FIXES AND/OR NAVAIDS - WILL BE CHARTED WITH THE GSO RADIAL AT SHPRD.

06/17/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/16/19.

1. INCORPORATED TWO PREVIOUS CORRECTED COPY INFORMATION.

2. CHANGED COMPUTER CODE FROM PACKK9.RDU TO PACK9.RDU. (03/11/20)

3. CHANGED ALL REFERENCES TO FAY VORTAC TO FAY VOR/DME. (03/19/20)

(PROJECT WAS AT CHARTING BEFORE IT WAS SLIPPED TO 11-05-20 PUBLICATION CYCLE.)

