

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
GRAPHIC DEPARTURE PROCEDURES (DP)**

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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
TAR HEEL	ONE	TARL1.RDU	NINE	04/30/2015	

<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:

RWY 5L/5R: CLIMB HEADING 054.14 OR AS ASSIGNED BY ATC, THENCE...
RWY 14: CLIMB HEADING 144.15 OR AS ASSIGNED BY ATC, THENCE...
RWY 23L: CLIMB HEADING 234.15 OR AS ASSIGNED BY ATC, THENCE...
RWY 23R: CLIMB HEADING 234.16 OR AS ASSIGNED BY ATC, THENCE...
RWY 32: CLIMB HEADING 324.15 OR AS ASSIGNED BY ATC, THENCE...

... ON VECTORS TO JOIN FILED ROUTE/FIX. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL 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>
CAROLINA BEACH	TARL1.CLB	RDU VORTAC	ROZBO INT	181.00 (RDU R-181)	55.40	5000	3100	
		ROZBO INT	CLB NDB	156.25 (CLB 156 BRG)	60.69	FL180		
CHARLESTON	TARL1.CHS	RDU VORTAC	ROZBO INT	181.00 (RDU R-181)	55.40	5000	3100	
		ROZBO INT	CHS VORTAC	214.30 (CHS R-034)	142.18	FL180		

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED.
NOTE: CAROLINA BEACH TRANSITION: ADF REQUIRED.
NOTE: SPECIAL INSTRUCTIONS/CHS TRANSITION: IF NOT RECEIVING CHS AT ROZBO, FLY HEADING 215 UNTIL RECEIVING CHS SUITABLE FOR NAVIGATION.

TAKEOFF MINIMUMS:

RWY 5L, 5R: STANDARD.
RWY 14: STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 2700.
RWY 23L: STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 2700.
RWY 23R: STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 2700.
RWY 32: 300-1.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 5L: TREES 3802 FT FROM DER, 1237 FT LEFT OF CENTERLINE, UP TO 77 FT AGL/506 FT MSL. TANK AND TREES BEGINNING 2011 FT FROM DER, 948 FT RIGHT OF CENTERLINE, UP TO 138 FT AGL/547 FT MSL.
NOTE: RWY 5R: TREES 1436 FT FROM DER, 803 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/469 FT MSL.
NOTE: RWY 14: TREES BEGINNING 2021 FT FROM DER, 510 FT LEFT OF CENTERLINE, UP TO 116 FT AGL/545 FT MSL. TREES BEGINNING 2467 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 122 FT AGL/571 FT MSL.
NOTE: RWY 23L: TREES 1495 FT FROM DER, 797 FT LEFT OF CENTERLINE, UP TO 58 FT AGL/447 FT MSL. LIGHT POLE 1457 FT FROM DER, 878 FT RIGHT OF CENTERLINE, 93 FT AGL/452 FT MSL.
RWY 32: LIGHT POLES BEGINNING 1170 FT FROM DER, 618 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/486 FT MSL. HANGAR 1242 FT FROM DER, 753 FT RIGHT OF

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CENTERLINE, 34 FT AGL/473 FT MSL. CONTROL TOWER 2207 FT FROM DER, 910 FT RIGHT OF CENTERLINE, 231 FT AGL/660 FT MSL.

CONTROLLING OBSTACLES:

RWY 14: 2048 FT MSL TOWER, 354251.00N/0784903.00W
RWY 23L: 2048 FT MSL TOWER, 354251.00N/0784903.00W
RWY 23R: 2048 FT MSL TOWER, 354251.00N/0784903.00W
RWY 32: 660 FT MSL CONTROL TOWER, 355252.00N/0784709.00W

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KRDU 9W EPOCH YR: 2020.

AIRPORTS SERVED:

<u>AIRPORT NAME</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:

CHART FAY VORTAC

REMARKS:

ABBREVIATED AMENDMENT

FLIGHT INSPECTED BY:

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017.

OFFICE SYMBOL:

DATE: *Digitally signed by*

ALLAN WILL

Mar 27, 2018

DEVELOPED BY: *Digitally signed by*

MIKE MELSEN **MIKE MELSEN**

Mar 23, 2018

OFFICE SYMBOL:

DATE:

AJV-5412

12/11/2017

APPROVED BY:

GEORGE DAVIS

OFFICE SYMBOL:

DATE:

AJV-5410

Digitally signed by

ALLAN WILL

Mar 27, 2018

REQUIRED EFFECTIVE DATE:

ROUTINE



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COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

ZDC, RDU DEP CON, AIRPORT MANAGER

CHANGES - REASONS:

1. ADDED 2 DEGREES TO ALL MAGNETIC COURSES - AIRPORT MAG VAR UPDATED FROM 7W/1985 TO 9W/2020.
2. REMARKS: ADDED ABBREVIATED AMENDMENT - PER 8260.46F DOCUMENTATION CRITERIA FOR ABBREVIATED AMENDMENT.
3. ADDITIONAL FLIGHT DATA: ADDED REFERENCE MAG VAR: KRDU 9W EPOCH YR: 2020.
4. CHANGED COURSE FROM RDU VORTAC TO ROZBO FROM 176 TO 181 - RDU VORTAC MAG VAR UPDATED FROM 4W/1965 TO 9W/2020.

03/23/2018: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 02/02/2018.

1. TRANSITION NAME CAROLINA BEACH - CHANGED FROM CLB 336 BRG TO CLB 156 BRG.

