

**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SUPERSEDED NUMBER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>
SHPRD	FOUR	SHPRD4.SHPRD	THREE	05/24/2018	25 FEB 2021

<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:

TAKEOFF RWY 5L/R, 23L/R: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO CROSS CATAR AT OR ABOVE 2500, THENCE...

...ON DEPICTED ROUTE TO SHPRD, THEN AS ASSIGNED. MAINTAIN 6000, EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 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>
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PROCEDURAL DATA NOTES:

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

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RADAR REQUIRED.

NOTE: FOR TURBOJET AIRCRAFT ONLY

TAKEOFF MINIMUMS:

RWY 14, 32: NA – ATC.

RWY 5L/R: 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, 23R: 2048 FT MSL TOWER (37-001064) 354251.00N/0784903.00W.

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE: 6000

CHART: MINIMUM CROSSING ALTITUDE AT CATAR 2500.

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

DME/DME ASSESSMENT: SAT (RNP 2.0).

AIRPORTS SERVED:

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

QUALITY
3
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SUPERSEDED NUMBER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>
SHPRD	FOUR	SHPRD4.SHPRD	THREE	05/24/2018	25 FEB 2021

COMMUNICATIONS:

ATIS, CLEARANCE DELIVERY, GROUND CONTROL, TOWER, DEPARTURE CONTROL, CPDLC

FIXES AND/OR NAVAIDS:

WLFFF

REMARKS:

THE ENVIRONMENTAL REVIEW UNDER ORDER 1050.1F AND THE NOISE SCREENING HAVE BEEN ACCOMPLISHED.

FLIGHT INSPECTED BY

THOMAS CONKLIN

Digitally signed by **OFFICE** **DATE**
WARDELL HENNING FICO 3/2/2020
 Mar 11, 2020

DEVELOPED BY

WARDELL HENNING (LORRI DOWNEY)

Digitally signed by **OFFICE** **DATE**
WARDELL HENNING AJV-A432 12/19/2019
 Mar 11, 2020

APPROVED BY

GEORGE DAVIS

Digitally signed by
WARDELL HENNING
 Mar 11, 2020

OFFICE **DATE** **TITLE**
 AJV-A430

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZDC, RDU ATCT, RDU APP CON, RDU AMGR.

CHANGES - REASONS:

1. JET TOP ALTITUDE CHANGED FROM 7000 TO 6000 - FACILITATE RNP APPROACHES
2. DEPARTURE ROUTE DESCRIPTION REVISED - 8260.46G, APP E. 3.E.
3. DELETED TAKEOFF OBSTACLE NOTES AND ADDED STATEMENT "SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)" - 8260.46G, APPENDIX D.
4. NOTE REGARDING TRANSPONDER CODE ASSIGNMENT DELETED - PER ATC TO REDUCE CHART CLUTTER.
5. PNA REMOVED - NO LONGER APPLICABLE.
6. MCA ADDED AT CATAR - 8260.46G, APPENDIX E, PARA 10, D.

QUALITY
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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>
SHPRD		FOUR		SHPRD4.SHPRD		THREE		05/24/2018	25 FEB 2021
<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>
CATAR	355007.45N/0791800.65W	Y	FB	IF			AT/ABOVE 2500		
WLFFF	354903.42N/0793205.51W	Y	FB	TF	264.75	11.50			
SHPRD	353915.56N/0802836.36W	Y	FB	TF	258.27	47.04			

QUALITY
3
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