

**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SUPERSEDED NUMBER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>EFFECTIVE DATE</u> |
|----------------|--------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|
| HURIC | THREE | HURIC3.HURIC | TWO | 01/08/2015 | 24 MAY 2018 |
| <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 05L, 05R: CLIMB HEADING 054.14 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO STRMY THENCE...
TAKEOFF RWY 14: CLIMB HEADING 144.15 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO STRMY THENCE...
TAKEOFF RWY 23L: CLIMB HEADING 234.15 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO STRMY THENCE...
TAKEOFF RWY 23R: CLIMB HEADING 234.16 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO STRMY THENCE...
TAKEOFF RWY 32: CLIMB HEADING 324.15 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO STRMY THENCE...

...ON TRACK 092.25 TO HURIC (MEA 6000/MOCA 1800), TURBOJETS MAINTAIN 7000, PROPELLERS MAINTAIN 2000. 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> |
|------------------------|-------------------------------------|----------------------------|--------------------------|---------------|-----------------|------------|-------------|------------------------------------|
| TAR RIVER | HURIC3.TYI | HURIC | TYI VORTAC | TRACK 092.33 | 20.21 | 10100 | 1800 | |

PROCEDURAL DATA NOTES:

NOTE: TRANSPONDER CODE WILL BE ASSIGNED VIA PDC OR RALEIGH CLEARANCE DELIVERY.
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.

TAKEOFF MINIMUMS:

RWY 05L, 05R, 14, 23R: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 940.
RWY 23L: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 1100.
RWY 32: 300-1 WITH MINIMUM CLIMB OF 500 FT PER NM TO 940.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 05L: TREES BEGINNING 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 05R: TREES BEGINNING 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 BEGINNING 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.
NOTE: 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 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, 23L, 23R: 2049 FT MSL TOWER (37-001064) 354251.00N/0784903.00W.
RWY 32: 660 FT MSL CONTROL TOWER (37-001244) 355252.00N/0784709.00W.



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|----------------|---------------|-------------------------|--------------------------|--------------|-----------------------|
| HURIC | THREE | HURIC3.HURIC | TWO | 01/08/2015 | 24 MAY 2018 |

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: (JETS) 7000/(PROPS) 2000.
REFERENCE MAG VAR: KRDU 9W EPOCH YEAR: 2020.
DME/DME ASSESSMENT: SAT (RNP 2.0).

PILOT NAVIGATION AREA:

7NM ARC CENTERED ON STRMY (IF), CW
FROM: POINT A (BEARING 047.25 TO STRMY)
TO: POINT B (BEARING 137.25 TO STRMY)
MINIMUM ALTITUDE - 4000

AIRPORTS SERVED:

| <u>AIRPORT NAME</u> | <u>CITY</u> | <u>STATE</u> |
|----------------------------|----------------|--------------|
| RALEIGH-DURHAM INTL (KRDU) | RALEIGH/DURHAM | NC |

COMMUNICATIONS:

ATIS CLEARANCE DELIVERY, GROUND CONTROL, TOWER, DEPARTURE CONTROL: 125.3/353.675

FIXES AND/OR NAVAIDS:

REMARKS:

ABBREVIATED AMENDMENT

FLIGHT INSPECTED BY:

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW FLIGHT INSPECTION TEAM (AJW-333) MEMO, MAY 30, 2017.

OFFICE SYMBOL:

DATE:

Digitally signed by

ALLAN WILL

Feb 02, 2018

DEVELOPED BY: *Digitally signed by*

MIKE MELSEN **MIKE MELSEN**

Dec 30, 2017

OFFICE SYMBOL:

DATE:

AJV-5412

12/06/2017

APPROVED BY:

GEORGE DAVIS

OFFICE SYMBOL:

DATE:

AJV-5410

Digitally signed by

ALLAN WILL

Feb 02, 2018

REQUIRED EFFECTIVE DATE:

ROUTINE

QUALITY
3
CHECKED

**FEDERAL AVIATION ADMINISTRATION
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| HURIC | THREE | HURIC3.HURIC | TWO | 01/08/2015 | 24 MAY 2018 |

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 ATCT, RDU APP CON, RDU AMGR.

CHANGES - REASONS:

1. AMENDED REFERENCE MAG VAR FROM KRDU 7W/1985 TO KRDU 9W/2020 - MATCH AIRNAV DATA FOR AIRPORT.
2. INCREASED MAGNETIC HEADINGS BY 2 DEGREES - COMPUTED USING UPDATED KRDU REFERENCE MAG VAR.
3. ADDITIONAL FLIGHT DATA: ADDED REFERENCE MAG VAR: KRDU 9W EPOCH YR: 2020 - PER 8260.46F DOCUMENTATION CRITERIA.
4. REMARKS: ADDED ABBREVIATED AMENDMENT - PER 8260.46F DOCUMENTATION CRITERIA.

QUALITY
3
CHECKED

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

| DP NAME | | NUMBER | | DP COMPUTER CODE | | SUPERSEDED NUMBER | | DATED | EFFECTIVE DATE |
|-------------------|------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|--------------|-----------------------|
| HURIC | | THREE | | HURIC3.HURIC | | TWO | | 01/08/2015 | 24 MAY 2018 |
| FIX/NAVAID | LAT/LONG | C | FO/FB | LEG TYPE | TC | DIST (NM) | ALTITUDE | SPEED | REMARKS |
| RW05L (AER) | 355228.02N/0784807.07W | N | - | - | - | - | | | CG 500 FT/NM TO 940 |
| | | - | - | VM | 045.14 | - | | | |
| STRMY | 355507.67N/0781911.10W | Y | FB | DF | - | - | | | |
| | | | | | | | | | |
| RW05R (AER) | 355152.67N/0784750.42W | N | - | - | - | - | | | CG 500 FT/NM TO 940 |
| | | - | - | VM | 045.14 | - | | | |
| STRMY | 355507.67N/0781911.10W | Y | FB | DF | - | - | | | |
| | | | | | | | | | |
| RW14 (AER) | 355230.11N/0784657.64W | N | - | - | - | - | | | CG 500 FT/NM TO 940 |
| | | - | - | VM | 135.15 | - | | | |
| STRMY | 355507.67N/0781911.10W | Y | FB | DF | - | - | | | |
| | | | | | | | | | |
| RW23L (AER) | 355244.98N/0784645.82W | N | - | - | - | - | | | CG 500 FT/NM TO 1100 |
| | | - | - | VM | 225.15 | - | | | |
| STRMY | 355507.67N/0781911.10W | Y | FB | DF | - | - | | | |
| | | | | | | | | | |
| RW23R (AER) | 355337.76N/0784640.92W | N | - | - | - | - | | | CG 500 FT/NM TO 940 |
| | | - | - | VM | 225.16 | - | | | |
| STRMY | 355507.67N/0781911.10W | Y | FB | DF | - | - | | | |
| | | | | | | | | | |
| RW32 (AER) | 355205.08N/0784627.05W | N | - | - | - | - | | | CG 500 FT/NM TO 940 |
| | | - | - | VM | 315.15 | | | | |

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|-------------------|------------------------|---------------|--------------|-------------------------|-----------|--------------------------|-----------------|--------------|-----------------------|
| HURIC | | THREE | | HURIC3.HURIC | | TWO | | 01/08/2015 | 24 MAY 2018 |
| <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> |
| STRMY | 355507.67N/0781911.10W | Y | FB | DF | - | - | | | |
| STRMY | 355507.67N/0781911.10W | Y | FB | IF | - | - | | | |
| HURIC | 355617.69N/0780657.34W | Y | FB | TF | 083.25 | 10.00 | | | |
| HURIC | 355617.69N/0780657.34W | Y | - | IF | - | - | | HURIC3.TYI | |
| TYI VORTAC | 355836.20N/0774213.43W | Y | FB | TF | 083.33 | 20.21 | | | |

QUALITY
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