

**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SUPERSEDED NUMBER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>
READE	FIVE	READE5.READE	FOUR	05/26/2016	19 JUL 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 type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 2: CLIMB HEADING 023.46 TO 687, THEN CLIMBING LEFT TURN HEADING 241.00, THENCE...
TAKEOFF RWY 7: CLIMB HEADING 067.47 TO 687, THEN CLIMBING LEFT TURN HEADING 241.00, THENCE...
TAKEOFF RWY 16: CLIMB HEADING 157.46 TO 687, THEN CLIMBING RIGHT TURN HEADING 291.00, THENCE...
TAKEOFF RWY 20: CLIMB HEADING 203.47 TO 687, THEN CLIMBING RIGHT TURN HEADING 291.00, THENCE...
TAKEOFF RWY 25: CLIMB HEADING 247.48 TO 687, THEN CLIMBING RIGHT TURN HEADING 291.00, THENCE...
TAKEOFF RWY 34: CLIMB HEADING 337.47 TO 687, THEN CLIMBING LEFT TURN HEADING 241.00, THENCE...

...INTERCEPT RIC VORTAC R-264 TO CARML INT/RIC 32.13 DME, THEN ON RIC VORTAC R-264 TO READE INT/RIC 50.00 DME, THEN ON ASSIGNED TRANSITION, MAINTAIN 5000 OR ASSIGNED ALTITUDE. EXPECT 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>
DRAIK	READE5.DRAIK	READE INT/RIC 50 DME	DRAIK INT/RIC 82.58 DME	264.00 (RIC R-264)	32.58	16000	3100	
LYNCHBURG	READE5.LYH	READE INT/RIC 50 DME	LYH VORTAC	272.55 (LYH R-093)	43.50	6000	3700	
MONTEBELLO	READE5.MOL	READE INT/RIC 50 DME	MOL VOR/DME	319.73 (MOL R-140)	52.44	FL180	6300	
SANNY	READE5.SANNY	READE INT/RIC 50 DME	DRAIK INT/RIC 82.58 DME	264.00 (RIC R-264)	32.58	16000	3100	
		DRAIK INT/RIC 82.58 DME	SANNY/RIC 111.23 DME	264.00 (RIC R-264)	28.65	FL180	4300	

PROCEDURAL DATA NOTES:

NOTE: DME REQUIRED.

TAKEOFF MINIMUMS:

TAKEOFF RWY 2, 7, 16, 20, 25, 34 STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 687.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 2, BUSHES 104 FT FROM DER, 223 FT LEFT OF CENTERLINE, UP TO 4 FT AGL/169 FT MSL. TREES BEGINNING 2363 FT FROM DER, 235 FT LEFT OF CENTERLINE, UP TO 82 FT AGL/251 FT MSL. TREES BEGINNING 2918 FT FROM DER, 367 FT RIGHT OF CENTERLINE, UP TO 91 FT AGL/260 FT MSL. TOWER 5423 FT FROM DER, 1709 FT LEFT OF CENTERLINE, 157 FT AGL/321 FT MSL.

NOTE: RWY 7, TREES BEGINNING 1892 FT FROM DER, 283 FT LEFT OF CENTERLINE, UP TO 67 FT AGL/226 FT MSL. TREES 2346 FT FROM DER, 190 FT RIGHT OF CENTERLINE, UP TO 69 FT AGL/218 FT MSL.

NOTE: RWY 20, BUILDING 817 FT FROM DER, 665 FT RIGHT OF CENTERLINE, 53 FT AGL/212 FT MSL. TREES 2307 FT FROM DER, 1065 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/235 FT MSL. POLE AND TREES BEGINNING 2645 FT FROM DER, 424 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL/255 FT MSL.



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NOTE: RWY 25, RAILROAD AND TOWER BEGINNING 779 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 26 FT AGL/187 FT MSL. TREES BEGINNING 2414 FT FROM DER, 285 FT RIGHT OF CENTERLINE, UP TO 86 FT AGL/255 FT MSL. POLE AND TREES BEGINNING 3056 FT FROM DER, 357 FT LEFT OF CENTERLINE, UP TO 90 FT AGL/252 FT MSL.

NOTE: RWY 34, POLE 1262 FT FROM DER, 732 FT LEFT OF CENTERLINE, 41 FT AGL/200 FT MSL. TREES BEGINNING 2202 FT FROM DER, 1052 FT RIGHT OF CENTERLINE, UP TO 63 FT AGL/232 FT MSL. TREES BEGINNING 2689 FT FROM DER, 998 FT LEFT OF CENTERLINE, UP TO 78 FT AGL/237 FT MSL.

CONTROLLING OBSTACLES:

RWY 2: 321 FT MSL TOWER 373155.55N/0771932.65W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: J37 FROM GVE TO LYH; J75 FROM GVE TO GSO; GSO R-039 AND GVE R-223 AT DRAIK; FAK R-220 AT CARML.

CHART: TOP ALTITUDE: 5000.

REFERENCE MAG VAR: KRIC 10W EPOCH YEAR: 2020.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
RICHMOND INTL	RICHMOND	VA

COMMUNICATIONS:

CLNC DEL, ATIS, GND CON, TOWER, POTOMAC DEP CON 126.75/307.2

FIXES AND/OR NAVAIDS:

REMARKS:

CLIMB TO 687 MSL REQUEST BY ATC TO STANDARDIZE TAKEOFF INSTRUCTIONS WITH KALLI AND LUCYL SIDS.
ABBREVIATED AMENDMENT IAW 8260.46F, APPENDIX E, PARA 14D.

FLIGHT INSPECTED BY:

OFFICE SYMBOL:

DATE:

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

DEVELOPED BY: *Digitally signed by*

MIKE MELSSEN **MIKE MELSSEN**
Oct 12, 2017

Digitally signed by
JACOB POWERS
Feb 16, 2018

OFFICE SYMBOL:

DATE:

AJV-5412

09/03/2017

APPROVED BY:

Digitally signed by
JACOB POWERS
Feb 16, 2018

OFFICE SYMBOL:

DATE:

AJV-5410

REQUIRED EFFECTIVE DATE:

ROUTINE

QUALITY
13
CHECKED

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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, POTOMAC APP CON, RIC ATCT, AMGR

CHANGES - REASONS:

1. ADDED REFERENCE MAG VAR FOR KRIC 10W/EPOCH YEAR 2020 TO ADDITIONAL FLIGHT DATA - MATCH PENDING AIRNAV DATA FOR AIRPORT PER 8260.46F DOCUMENTATION CRITERIA.
2. INCREASED MAGNETIC HEADINGS BY 1 DEGREE - COMPUTED USING UPDATED KRIC REFERENCE MAG VAR.
3. REMARKS: ADDED ABBREVIATED AMENDMENT - PER 8260.46F DOCUMENTATION CRITERIA FOR ABBREVIATED AMEMDMENT.
4. ADDED RWY 2 CONTROLLING OBSTACLE: 321 FT MSL TOWER 373155.55N/0771932.65W - MATCH THE READE DP.

QUALITY
13
CHECKED