

**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SUPERSEDED NUMBER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>
JDUBB	FOUR	JDUBB4.JDUBB	THREE	03/26/2020	

<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:

RONALD REAGAN WASHINGTON NATIONAL

TAKEOFF RWY 1: CLIMB ON HEADING 006.50 TO INTERCEPT COURSE 330.75/2.24 TO REVGE, CROSS REVGE AT OR ABOVE 1500 AND AT OR BELOW 220 KIAS, THEN ON TRACK 309.54 TO BEBLE, THEN ON TRACK 340.13 TO RGIII, THEN ON TRACK 291.89 TO CUKLI, THEN ON TRACK 212.20 TO HAFNR, CROSS HAFNR AT OR ABOVE 3000, THENCE...

TAKEOFF RWY 15: : CLIMB ON HEADING 153.64 TO 515, THEN RIGHT TURN DIRECT CAPVC, THEN ON TRACK 277.02 TO GAITE, THEN ON TRACK 255.72 TO DMKRT, THEN ON TRACK 231.88 TO HAFNR, CROSS HAFNR AT OR ABOVE 3000, THENCE...

TAKEOFF RWY 19: : CLIMB ON HEADING 186.50 TO 515, THEN DIRECT CAPVC, THEN ON TRACK 277.02 TO GAITE, THEN ON TRACK 255.72 TO DMKRT, THEN ON TRACK 231.88 TO HAFNR, CROSS HAFNR AT OR ABOVE 3000, THENCE...

TAKEOFF RWY 33: CLIMB ON HEADING 333.65 TO 515, THEN DIRECT REVGE, CROSS REVGE AT OR ABOVE 1500 AND AT OR BELOW 220 KIAS, THEN ON TRACK 309.54 TO BEBLE, THEN ON TRACK 340.13 TO RGIII, THEN ON TRACK 291.89 TO CUKLI, THEN ON TRACK 212.20 TO HAFNR, CROSS HAFNR AT OR ABOVE 3000, THENCE...

...THENCE ON TRACK 225.04 TO JDUBB, THEN ON ASSIGNED TRANSITION. MAINTAIN 5000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

WASHINGTON DULLES INTL

TAKEOFF RWY 1L, 1C, 1R, 19C, 19L, 19R, 30: CLIMB ON HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO HAFNR, THEN ON TRACK 225.04 TO JDUBB, THENCE...

...ON ASSIGNED TRANSITION. MAINTAIN 3000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 10 MINUTES AFTER DEPARTURE.

WINCHESTER RGNL

TAKEOFF RWY 14: CLIMB ON HEADING 143.76 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO HAFNR, THEN ON TRACK 225.04 TO JDUBB, THENCE...

TAKEOFF RWY 32: CLIMB ON HEADING 323.77 OR AS ASSIGNED BY ATC. EXPECT RADAR VECTORS TO HAFNR, THEN ON TRACK 225.04 TO JDUBB, THENCE...

...ON ASSIGNED TRANSITION. MAINTAIN 3000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN (10) MINUTES AFTER DEPARTURE.

DAVISON AAF, LEESBURG EXECUTIVE, EASTERN WV RGNL/SHEPHERD FLD

CLIMB ON HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO HAFNR, THEN ON TRACK 225.04 TO JDUBB, THENCE...

...ON ASSIGNED TRANSITION, MAINTAIN 3000, EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN (10) 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>
RRSIN	JDUBB4.RRSIN	JDUBB	TYPNZ	TRACK 231.26	19.94	10300	1800	
		TYPNZ	SCORN	TRACK 231.09	45.24	FL180		
		SCORN	RRSIN	TRACK 230.50	39.87	FL180		
MELTN	JDUBB4.MELTN	JDUBB	CASLY	TRACK 225.20	17.80	9900	1800	



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JDUBB	FOUR	JDUBB4.JDUBB	THREE	03/26/2020	
	CASLY	MELTN	TRACK 225.07	61.44	FL180

PROCEDURAL DATA NOTES:

- NOTE:** RNAV 1.
- NOTE:** RADAR REQUIRED.
- NOTE:** DME/DME/IRU OR GPS REQUIRED.
- NOTE:** TURBO-JETS ONLY.
- NOTE (KDCA ONLY):** DEPARTING RWY 1 REQUIRES EXPEDITIOUS INTERCEPT OF OUTBOUND COURSE TO ENSURE AVOIDANCE OF P-56 BOUNDARY.
- NOTE (KDCA ONLY):** RWY 1 DEPARTURES REMAIN CLEAR OF P-56, CLIMB ON HEADING 006.50, TURN LEFT AS SOON AS PRACTICAL TO INTERCEPT COURSE 330.75 TO REVGE.
- NOTE (KDCA ONLY):** PILOTS SHALL COMPLY WITH RONALD REAGAN WASHINGTON NATIONAL AIRPORT NOISE ABATEMENT AND PROHIBITED AREA (P-56) AVOIDANCE PROCEDURES AS DEFINED IN THE CHART SUPPLEMENT SPECIAL NOTICES.
- NOTE (KJYO ONLY):** TAKEOFF RWY 35 REQUIRES A CLIMB TO 1200 ON HEADING 353.00 BEFORE PROCEEDING ON THE ATC ASSIGNED HEADING FOR OBSTACLE AVOIDANCE.
- NOTE (KOKV ONLY):** TAKEOFF RWY 32 REQUIRES A CLIMB TO 2500 ON HEADING 341.00 BEFORE PROCEEDING ON THE ATC ASSIGNED HEADING FOR OBSTACLE AVOIDANCE.
- NOTE (KMRB ONLY):** TAKEOFF RWY 8: IF ISSUED AN ATC HEADING THAT REQUIRES A WESTBOUND TURN, CLIMB HEADING 081.00 TO 1200 PRIOR TO TURNING FOR OBSTACLE AVOIDANCE.
- NOTE (KMRB ONLY):** TAKEOFF RWY 26: IF ISSUED AN ATC HEADING THAT REQUIRES A RIGHT TURN, CLIMB HEADING 261.00 TO 2400 PRIOR TO TURNING FOR OBSTACLE AVOIDANCE.

TAKEOFF MINIMUMS:

RONALD REAGAN WASHINGTON NATIONAL

- RWY 1,** STANDARD WITH MINIMUM CLIMB OF 825 FT PER NM TO 600.
- RWY 15, 19,** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 515.
- RWY 33,** STANDARD WITH MINIMUM CLIMB OF 540 FT PER NM TO 640.
- IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC ON INITIAL CONTACT.

WASHINGTON DULLES INTL

- RWY 1C, 1L, 1R, 19C, 19L, 19R, 30,** STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 820.

DAVISON AAF

- RWY 14,** STANDARD.
- RWY 32,** 400-2 OR STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 500.

LEESBURG EXECUTIVE

- RWY 17, 35,** STANDARD.

WINCHESTER RGNL

- RWY 14,** STANDARD
- RWY 32,** STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 1900.

EASTERN WV RGNL/SHEPHERD FLD

- RWY 8,** STANDARD.
- RWY 26,** STANDARD WITH A MINIMUM CLIMB OF 225 FT PER NM TO 2100.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RONALD REAGAN WASHINGTON NATIONAL

- RWY 1:** 595 FT MSL MONUMENT 385322.00N/0770207.00W (CLIMB-TO ALTITUDE).
- RWY 33:** 1049 FT MSL TOWER 385624.20N/0770452.42W (CLIMB-TO ALTITUDE).

DAVISON AAF

- RWY 32:** 307 FT MSL TREES 384346.49N/0771234.41W (CLIMB GRADIENT). 375 FT MSL TOWER 384426.02N/0771231.20W (CLIMB-TO ALTITUDE, CEILING, VISIBILITY).

LEESBURG EXECUTIVE

- RWY 17:** 976 FT MSL AAO 390830.64N/0773619.25W (DEPARTURE ROUTE).



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WINCHESTER RGNL

RWY 32: 1609 FT MSL AAO 391208.75N/0781357.55W (CLIMB GRADIENT, CLIMB-TO ALTITUDE). 2765 FT MSL TOWER 391057.22N/0782321.77W (DEPARTURE ROUTE).

EASTERN WV RGNL/SHEPHERD FLD

RWY 8, - 1899 FT MSL AAO 392511.60N/0780520.80W (DEPARTURE ROUTE).

RWY 26 - 1699 FT MSL AAO 392141.50N/0780804.10W (CLIMB GRADIENT, CLIMB-TO ALTITUDE). 2379 FT MSL AAO 392613.25N/0781139.30W (DEPARTURE ROUTE).

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KDCA 11W EPOCH YEAR: 2020. DME/DME ASSESSMENT: SAT (RNP 2.0)

RONALD REAGAN WASHINGTON NATIONAL - CHART: TOP ALTITUDE: 5000.

WASHINGTON DULLES INTL - CHART: TOP ALTITUDE: 3000.

DAVISON AAF - CHART: TOP ALTITUDE: 3000.

LEESBURG EXECUTIVE - CHART: TOP ALTITUDE: 3000.

WINCHESTER RGNL - CHART: TOP ALTITUDE: 3000.

EASTERN WV RGNL/SHEPHERD FLD - CHART: TOP ALTITUDE: 3000.

CHART: P56A, P-56B.

CHART SPEED ICON (KDCA ONLY): MAXIMUM SPEED 220 KIAS AT REVGE.

CHART (KIAD, KDAA, KJYO, KOKV, AND KMRB ONLY): MEA/MOCA FROM HAFNR TO JDUBB, 6400/1800.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
RONALD REAGAN WASHINGTON NATIONAL	KDCA	WASHINGTON	DC
WASHINGTON DULLES INTL	KIAD	WASHINGTON	DC
DAVISON AAF	KDAA	FORT BELVOIR	VA
LEESBURG EXECUTIVE	KJYO	LEESBURG	VA
WINCHESTER RGNL	KOKV	WINCHESTER	VA
EASTERN WV REGIONAL/SHEPHERD FLD	KMRB	MARTINSBURG	WV

COMMUNICATIONS:

RONALD REAGAN WASHINGTON NATIONAL: ATIS, CLNC DEL, GND CON, TOWER, DEP CON (118.95/257.2).

WASHINGTON DULLES INTL: ATIS, CLNC DEL, GND CON, TOWER, DEP CON (126.65/350.2).

DAVISON AAF: ATIS, CLNC DEL, GND CON, TOWER, DEP CON.

LEESBURG EXECUTIVE: AWOS, CLNC DEL, UNICOM, DEP CON, CTAF.

WINCHESTER RGNL: AWOS, CLNC DEL, UNICOM, DEP CON, CTAF.

EASTERN WV RGNL/SHEPHERD FLD: ASOS, CLNC DEL, GND CON, TOWER, DEP CON.

FIXES AND/OR NAVAIDS:

REMARKS:

1. WAIVER AND APPROVAL LETTER REQUESTED AT KDCA FOR LEG LENGTHS LESS THAN MINIMUM REQUIRED BY CRITERIA AND FOR CLIMB GRADIENTS EXCEEDING 500 FT



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JDUBB	FOUR	JDUBB4.JDUBB	THREE	03/26/2020	

- PER NM.
 2. APPROVAL LETTER REQUESTED FOR KOKV AND KMRB NOT BEING WITHIN MAX 45 DEGREE PNA SPLAY.
 3. KDAW RWY 32 CLIMB GRADIENT ROUNDED TO 300 FT PER NM FOR PUBLICATION (COMPUTED VALUE 295 FT PER NM).
 4. KOKV RWY 32 CLIMB GRADIENT ROUNDED TO 240 FT PER NM FOR PUBLICATION (COMPUTED VALUE 234 FT PER NM).
 5. KMRB RWY 26 CLIMB GRADIENT ROUNDED TO 225 FT PER NM FOR PUBLICATION (COMPUTED VALUE 222 FT PER NM).

FLIGHT INSPECTED BY

BOB S PRESSLER	<i>Digitally signed by</i> DAVID TEFFETELLER Oct 28, 2020	<u>OFFICE</u> FICO	<u>DATE</u> 10/27/2020
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DEVELOPED BY

FRANK MOORE	<i>Digitally signed by</i> DAVID TEFFETELLER Oct 22, 2020	<u>OFFICE</u> AJV-A433	<u>DATE</u> 02/18/2020
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APPROVED BY

GEORGE DAVIS	<i>Digitally signed by</i> DAVID TEFFETELLER Oct 22, 2020	<u>OFFICE</u> AJV-A430	<u>DATE</u>	<u>TITLE</u> MANAGER
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REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:**ZDC, POTOMAC APP CON, DCA ATCT, DAA ATCT, MRB ATCT, ARPT MGR(S)

CHANGES - REASONS:

1. REMOVED ADAXE FROM RWY 1 AND RYW 33 TRANSITIONS AND ADDED REVEGE - USSS REQUIREMENT TO MITIGATE P56 INTRUSIONS.
2. REMOVED COVTO, AND FERGI FROM RWY 1 AND RWY 33 TRANSITIONS AND ADDED RGIII - REQUEST FROM COMMUNITY.
3. ADDED ALTITUDE AT HAFNR - TO COMPLY WITH CRITERIA REQUIREMENT FOR ALTITUDE AT IF.
4. DELETED PILOT NAVIGATION AREA - NO LONGER REQUIRED IN CRITERIA.
5. UPDATED NOTE:RWY 1 DEPARTURES REMAIN CLEAR OF P-56, CLIMB ON HEADING 006.50, TURN LEFT AS SOON AS PRACTICAL TO INTERCEPT COURSE 334.00 TO ADAXE.- REFLECTS CHANGE FROM ADAXE TO REVEGE.
6. CHANGED RWY 1 MAGNETIC HEADING FROM 006.49 TO 006.50. - NEW SURVEY.
7. RONALD REAGAN WASHINGTON NATIONAL TAKEOFF MINIMUMS: ADDED IF UNABLE TO ACCEPT CLIMB RATE, ADVISE ATC ON INITIAL CONTACT.
8. REMOVED BEBLE, COVTO, FERGI, CUKLI, GAITE, DMKRT FROM FIXES AND/OR NAVAIDS -
9. ADDED DEP CON FREQUENCIES AT RONALD REAGAN WASHINGTON NATIONAL AND WASHINGTON DULLES INTL - ATC REQUEST.
10. REMOVED SPEED RESTRICTION AT CUKLI - ATC REQUEST.

05/19/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/23/20.

1. ADDED **NOTE:** TURBO-JETS ONLY.

10/22/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/23/20.

1. CHANGED RWY01 VI LEG DIST FROM 1.79 TO .61



**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>				
JDUBB	FOUR	JDUBB4.JDUBB	THREE	03/26/2020					
<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>
RW01 (AER)	385029.65N/0770212.29W	N	-	-	-	-			
	385216.80N/0770223.08W	-	-	VI	355.50	.61			CG 825 FT/NM TO 600
REVGE	385359.46N/0770414.24W	Y	FB	CF	319.75	2.24	AT/ABOVE 1500	AT/BELOW 220K	
BEBLE	385455.81N/0770626.92W	Y	FB	TF	298.54	1.96			
RGIII	385800.54N/0770848.38W	Y	FB	TF	329.13	3.58			
CUKLI	385910.33N/0771634.81W	Y	FB	TF	280.89	3.23			
HAFNR	382350.46N/0773358.95W	Y	FB	TF	201.20	37.83	AT/ABOVE 3000		
RW15 (AER)	385140.18N/0770235.87W	N	-	-	-	-			
515 MSL		-	-	VA	142.64	-	AT/ABOVE 515		CG 500 FT/NM TO 515
CAPVC	384458.80N/0770204.96W	Y	FB	DF	-	-			RIGHT TURN
GAITE	384440.12N/0770744.97W	Y	FB	TF	266.02	4.44			
DMKRT	384234.33N/0771324.61W	Y	FB	TF	244.72	4.90			
HAFNR	382350.46N/0773358.95W	Y	FB	TF	220.88	24.71	AT/ABOVE 3000		
RW19 (AER)	385140.29N/0770219.41W	N	-	-	-	-			
515 MSL		-	-	VA	175.50	-	AT/ABOVE 515		CG 500 FT/NM TO 515
CAPVC	384458.80N/0770204.96W	Y	FB	DF	-	-			
GAITE	384440.12N/0770744.97W	Y	FB	TF	266.02	4.44			
DMKRT	384234.33N/0771324.61W	Y	FB	TF	244.72	4.90			
HAFNR	382350.46N/0773358.95W	Y	FB	TF	220.88	24.71	AT/ABOVE 3000		



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JDUBB		FOUR	JDUBB4.JDUBB	THREE	03/26/2020				
<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>
RW33 (AER)	385059.29N/0770155.95W	N	-	-	-	-			
515 MSL		-	-	VA	322.65		AT/ABOVE 515		CG 540 FT/NM TO 640
REVGE	385359.46N/0770414.24W	Y	FB	DF	-	-	AT/ABOVE 1500	AT/BELOW 220K	RIGHT TURN
BEBLE	385455.81N/0770626.92W	Y	FB	TF	298.54	1.96			
RGIII	385800.54N/0770848.38W	Y	FB	TF	329.13	3.58			
CUKLI	385910.33N/0771634.81W	Y	FB	TF	280.89	6.17			
HAFNR	382350.46N/0773358.95W	Y	FB	TF	201.20	37.83	AT/ABOVE 3000		
HAFNR	382350.46N/0773358.95W	Y	-	IF	-	-	AT/ABOVE 3000		
JDUBB	381759.41N/0773859.76W	Y	FB	TF	214.04	7.05			
JDUBB	381759.41N/0773859.76W	Y	-	IF	-	-			JDUBB4.RRSIN
TYPNZ	380244.18N/0775518.72W	Y	FB	TF	220.26	19.94			
SCORN	372759.80N/0783154.33W	Y	FB	TF	220.09	45.24			
RRSIN	365707.34N/0790332.54W	Y	FB	TF	219.50	39.87			
JDUBB	381759.41N/0773859.76W	Y	-	IF	-	-			JDUBB4.MELTN
CASLY	380314.42N/0775139.73W	Y	FB	TF	214.20	17.80			
MELTN	371209.22N/0783444.33W	Y	FB	TF	214.07	61.44			

