

**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SUPERSEDED NUMBER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>
CLTCH	THREE	CLTCH3.CLTCH	TWO	03/29/2018	

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
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DP ROUTE DESCRIPTION:

RONALD REAGAN WASHINGTON NATIONAL

TAKEOFF RWY 1: CLIMB ON HEADING 006.50 TO INTERCEPT COURSE 330.75 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 226.37 TO BRUTL, THEN ON TRACK 238.77 TO BUTRZ, CROSS BUTRZ AT OR ABOVE 3000, THEN ON TRACK 238.91 TO CLTCH, 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 258.97 TO BUTRZ, CROSS BUTRZ AT OR ABOVE 3000, THEN ON TRACK 238.91 TO CLTCH, 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 258.97 TO BUTRZ, CROSS BUTRZ AT OR ABOVE 3000, THEN ON TRACK 238.91 TO CLTCH, 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 226.37 TO BRUTL, THEN ON TRACK 238.77 TO BUTRZ, CROSS BUTRZ AT OR ABOVE 3000, THEN ON TRACK 238.91 TO CLTCH, THENCE...

...ON ASSIGNED TRANSITION. MAINTAIN 5000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN (10) MINUTES AFTER DEPARTURE.

WASHINGTON DULLES INTL

TAKEOFF RWY 1C, 1L, 1R, 19C, 19L, 19R, 30: CLIMB ON HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO BUTRZ, THEN ON TRACK 238.91 TO CLTCH, THENCE...

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

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

CLIMB ON HEADING ASSIGNED BY ATC, EXPECT RADAR VECTORS TO BUTRZ, THEN ON TRACK 238.91 TO CLTCH, THENCE...

...ON ASSIGNED TRANSITION, MAINTAIN ALTITUDE ASSIGNED BY ATC, 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>
FLASK	CLTCH3.FLASK	CLTCH	KERRK	TRACK 245.90	28.20	16100	3300	
			TEEMS	TRACK 243.94	48.01	FL180		
			FLASK	TRACK 244.34	67.00	FL180		
MAULS	CLTCH3.MAULS	CLTCH	KERRK	TRACK 245.90	28.20	16100	3300	
			MAULS	TRACK 259.54	47.83	FL180		

PROCEDURAL DATA NOTES:

NOTE: RNAV 1.

NOTE: RADAR REQUIRED.

NOTE: DME/DME/IRU OR GPS REQUIRED.



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CLTCH	THREE	CLTCH3.CLTCH	TWO	03/29/2018	

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 PROCEDURES (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).

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



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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: CROSS REVGE AT OR ABOVE 1500.

CHART: CROSS BUTRZ AT OR ABOVE 3000.

CHART: (KIAD, KDAA, KJYO, KOKV, KMRB ONLY): MEA/MOCA FROM BUTRZ TO CLTCH, 10500/3800.

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 RGNL/SHEPHERD FLD	KMRB	MARTINSBURG	WV

COMMUNICATIONS:

RONALD REAGAN WASHINGTON NATIONAL: ATIS, CLNC DEL, GND CON, TOWER, DEP CON.

WASHINGTON DULLES INTL: ATIS, CLNC DEL, GND CON, TOWER, DEP CON.

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

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

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

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

FIXES AND/OR NAVAIDS:

REMARKS:

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

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



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3. ATC RESTRICTS VECTORED AIRCRAFT TO AT OR BELOW 17,000 UNTIL TURNED ONTO THE ROUTE AT IF.
4. APPROVAL LETTER REQUESTED FOR TURN ON WITHIN 45 DEGREES OF COMMON ROUTE COURSE.
5. KDAA RWY 32 CLIMB GRADIENT ROUNDED TO 300 FT PER NM FOR PUBLICATION (COMPUTED VALUE 295 FT PER NM).
6. KOKV RWY 32 CLIMB GRADIENT ROUNDED TO 240 FT PER NM FOR PUBLICATION (COMPUTED VALUE 234 FT PER NM).
7. 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

Digitally signed by
DAVID TEFFETELLER
 Oct 28, 2020

OFFICE
 FICO
DATE
 10/27/2020

DEVELOPED BY

ANDREA CHANEY

Digitally signed by
DAVID TEFFETELLER
 Oct 22, 2020

OFFICE
 AJV-A433
DATE
 02/10/2020

APPROVED BY

GEORGE DAVIS

Digitally signed by
DAVID TEFFETELLER
 Oct 22, 2020

OFFICE
 AJV-A430

DATE

TITLE
 MANAGER

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 - REQUEST OF USSS, FACILITATED TRACK CHANGE FURTHER FROM P56.
2. ADDED REVGE - REQUEST OF USSS, FACILITATED TRACK CHANGE FURTHER FROM P56.
3. REMOVED COVTO, FERGI AND ADDED RGIII - REQUEST OF COMMUNITY GROUPS, FACILITATED MORE SOUTHERLY TRACK TO CULKI.
4. ADDED ALTITUDE TO BUTRZ - COMPLY WITH CRITERIA.
5. PROCEDURAL DATA NOTE: 'RWY 1 DEPARTURES REMAIN CLEAR OF P-56, CLIMB HEADING 006.49, TURN LEFT AS SOON AS PRACTICAL TO INTERCEPT COURSE 334.00 TO ADAXE' CHANGED TO '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' - KDCA TAKEOFF ROUTES REVISED, ADAXE REPLACED BY REVGE.
6. CHANGED RWY 1 MAGNETIC HEADING FROM 006.49 TO 006.50 - NEW SURVEY.
7. THE WORD 'ON' INSERTED BETWEEN 'CLIMB' AND 'HEADING' IN RUNWAY DEPARTURE ROUTE DESCRIPTIONS - IAW 8260.46G, APPENDIX E.3.E.
8. TAKEOFF OBSTACLES NOTES REMOVED AND NOTE ADDED: SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP) - IAW 8260.46G.
9. FIXES AND/OR NAVAIDS: BEBLE, COVTO, FERGI, CUKLI, BRUTL, GAITE, DMKRT DELETED - IAW 8260.46G INSTRUCTIONS.
10. REMOVED PILOT NAVIGATION AREA - NO LONGER REQUIRED BY CRITERIA.
11. RONALD REAGAN WASHINGTON NATIONAL TAKEOFF MINIMUMS: ADDED IF UNABLE TO ACCEPT CLIMB RATE, ADVISE ATC ON INITIAL CONTACT.

05/19/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 03/17/20.

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

10/22/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/17/20.

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>
CLTCH		THREE		CLTCH3.CLTCH		TWO		03/29/2018	
<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>
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	6.17			
BRUTL	384358.66N/0773020.26W	Y	FB	TF	215.37	18.60			
BUTRZ	383135.70N/0774740.45W	Y	FB	TF	227.77	18.37	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			
BUTRZ	383135.70N/0774740.45W	Y	FB	TF	247.97	29.01	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			
BUTRZ	383135.70N/0774740.45W	Y	FB	TF	247.97	29.01	AT/ABOVE 3000		



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CLTCH		THREE		CLTCH3.CLTCH		TWO		03/29/2018	
<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>
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	
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			
BRUTL	384358.66N/0773020.26W	Y	FB	TF	215.37	18.60			
BUTRZ	383135.70N/0774740.45W	Y	FB	TF	227.77	18.37	AT/ABOVE 3000		
BUTRZ	383135.70N/0774740.45W	Y	-	IF	-	-	AT/ABOVE 3000		
CLTCH	382651.62N/0775420.14W	Y	FB	TF	227.91	7.05			
CLTCH	382651.62N/0775420.14W	Y	-	IF	-	-			CLTCH3.FLASK
KERRK	381033.77N/0782335.86W	Y	FB	TF	234.90	28.20			
TEEMS	374125.90N/0791151.85W	Y	FB	TF	232.94	48.01			
FLASK	370103.92N/0801858.62W	Y	FB	TF	233.34	67.00			
CLTCH	382651.62N/0775420.14W	Y	-	IF	-	-			CLTCH3.MAULS
KERRK	381033.77N/0782335.86W	Y	FB	TF	234.90	28.20			
MAULS	375249.36N/0791949.19W	Y	FB	TF	248.54	47.83			

