

**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SUPERSEDED NUMBER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>
SCRAM	FIVE	SCRAM5.SCRAM	FOUR	03/29/2018	26 MAR 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 006.49 TO INTERCEPT COURSE 334.00 TO ADAXE, THEN ON DEPICTED ROUTE TO SCRAM, THENCE...**TAKEOFF RWY 15:** CLIMB ON HEADING 153.64 TO 515, THEN RIGHT TURN DIRECT CAPVC, THEN ON DEPICTED ROUTE TO SCRAM, THENCE...**TAKEOFF RWY 19:** CLIMB ON HEADING 186.50 TO 515, THEN DIRECT CAPVC, THEN ON DEPICTED ROUTE TO SCRAM, THENCE...**TAKEOFF RWY 33:** CLIMB ON HEADING 333.65 TO 515, THEN RIGHT TURN DIRECT ADAXE, THEN ON DEPICTED ROUTE TO SCRAM, THENCE...

...ON GLANC TRANSITION. MAINTAIN 5000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN (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 POOCH, THEN ON TRACK 240.11 TO SCRAM, THENCE...

...ON GLANC 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 POOCH, THEN ON TRACK 240.11 TO SCRAM, THENCE...

...ON GLANC 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>
GLANC	SCRAM5.GLANC	SCRAM	DANOO	TRACK 241.48	27.88	15600	4000	
		DANOO	WALCE	TRACK 242.00	33.42	FL180		
		WALCE	GLANC	TRACK 227.67	20.99	FL180		

PROCEDURAL DATA NOTES:**NOTE:** RNAV 1.**NOTE:** RADAR REQUIRED.**NOTE:** DME/DME/IRU OR GPS REQUIRED.**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 HEADING 006.49, TURN LEFT AS SOON AS PRACTICAL TO INTERCEPT COURSE 334.00 TO ADAXE.**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 1300 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.

QUALITY
18
CHECKED

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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.

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).

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.



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

CHART (KIAD, KDAA, KJYO, KOKV, AND KRMB ONLY): MEA/MOCA FROM POOCH TO SCRAM, 10100/1800.

PILOT NAVIGATION AREA:

10 NM ARC CENTERED ON POOCH (IF), CW

FROM: POINT A (BEARING 195 TO POOCH)

TO: POINT B (BEARING 285 TO POOCH)

MINIMUM ALTITUDE - 8500

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 WEST VIRGINIA/SHEPHERD FIELD	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:

BEBLE, COVTO, FERGI, CUKLI, GAITE, DMKRT.

REMARKS:

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

2. APPROVAL LETTER REQUESTED FOR KOKV AND KMRB NOT BEING WITHIN MAX 45 DEGREE PNA SPLAY.

3. KDCA RWY 1 MAGNETIC HEADING IN AIRNAV WAS UPDATED FROM 006.49 TO 006.50. WILL RETAIN FLIGHT INSPECTED AND AFS APPROVED VALUE OF 006.49 FOR THIS PROCEDURE.

4. KDAA RWY 32 CLIMB GRADIENT ROUNDED TO 300 FT PER NM FOR PUBLICATION (COMPUTED VALUE 295 FT PER NM).

5. KOKV RWY 32 CLIMB GRADIENT ROUNDED TO 240 FT PER NM FOR PUBLICATION (COMPUTED VALUE 234 FT PER NM).

6. KMRB RWY 26 CLIMB GRADIENT ROUNDED TO 225 FT PER NM FOR PUBLICATION (COMPUTED VALUE 222 FT PER NM).



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SCRAM	FIVE	SCRAM5.SCRAM	FOUR	03/29/2018	26 MAR 2020

FLIGHT INSPECTED BY

Processed IAW Aircraft Operations Group (AJW-33) Memo, October 3, 2018,
Subject: Flight Inspection Review Not Required.

Digitally signed by
WARDELL HENNING
Nov 26, 2019

OFFICE**DATE****DEVELOPED BY**

ANDREW HENNING (TYLER MITCHELL)

Digitally signed by
WARDELL HENNING
Nov 26, 2019

OFFICE**DATE**

AJV-A432

10/16/2019

APPROVED BY

GEORGE DAVIS

Digitally signed by
WARDELL HENNING
Nov 26, 2019

OFFICE**DATE****TITLE**

AJV-A430

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. LAST LEG OF THE LYH TRANSITION REMOVED AND TRANSITION NAME CHANGED FROM LYH TO GLANC - NEC ACR OPTIMIZATION PROJECT.
2. TAKEOFF OBSTACLE NOTES REMOVED AND REPLACED WITH A STATEMENT TO REFER TO THE 15A - IAW 8260.46G, APPDX E, SECTION 1, #7.
3. CHANGED DAVISON AAF, LEESBURG EXECUTIVE, WINCHESTER RGNL, AND EASTERN WEST VIRGINIA REGIONAL/SHEPHERD FIELD DP ROUTE DESCRIPTION ALTITUDE TO MAINTAIN FROM "ALTITUDE ASSIGNED BY ATC" TO "MAINTAIN 3000" - DP ROUTE DESCRIPTION MUST MATCH THE TOP ALTITUDE.
4. CHANGED RONALD REAGAN WASHINGTON NATIONAL DP ROUTE DESCRIPTION FROM "CLIMB HEADING..." TO "CLIMB ON HEADING" - 8260.46G, 1-1-5 A (3).
5. REMOVED BRUTL FIX FROM FIXES AND/OR NAVAIDS BLOCK - FIX NOT USED IN THE PROCEDURE.

11/25/19: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 11/12/19.

1. IN DP ROUTE DESCRIPTION, CHANGED ALL OCCURRENCES OF LYNCHBURG TRANSITION TO GLANC TRANSITION.



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

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SCRAM		FIVE		SCRAM5.SCRAM		FOUR		03/29/2018	26 MAR 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>
RW1 (AER)	385029.65N/0770212.29W	N	-	-	-	-			
	385216.70N/0770223.06W	-	-	VI	355.49	1.79			CG 825 FT/NM TO 600
ADAXE	385402.61N/0770405.22W	Y	FB	CF	323.00	2.21		AT/BELOW 220K	
BEBLE	385455.81N/0770626.92W	Y	FB	TF	295.68	2.05			
COVTO	385649.58N/0770802.23W	Y	FB	TF	326.81	2.26			
FERGI	385912.16N/0771050.18W	Y	FB	TF	317.41	3.23			
CUKLI	385910.33N/0771634.81W	Y	FB	TF	269.64	4.48			
POOCH	382718.56N/0774031.56W	Y	FB	TF	210.61	36.94			
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			
POOCH	382718.56N/0774031.56W	Y	FB	TF	234.50	26.16			
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			
POOCH	382718.56N/0774031.56W	Y	FB	TF	234.50	26.16			

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SCRAM		FIVE		SCRAM5.SCRAM		FOUR		03/29/2018	26 MAR 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
ADAXE	385402.61N/0770405.22W	Y	FB	DF	-	-		AT/BELOW 220K	RIGHT TURN
BEBLE	385455.81N/0770626.92W	Y	FB	TF	295.68	2.05			
COVTO	385649.58N/0770802.23W	Y	FB	TF	326.81	2.26			
FERGI	385912.16N/0771050.18W	Y	FB	TF	317.41	3.23			
CUKLI	385910.33N/0771634.81W	Y	FB	TF	269.64	4.48			
POOCH	382718.56N/0774031.56W	Y	FB	TF	210.61	36.94			
POOCH	382718.56N/0774031.56W	Y	-	IF	-	-			
SCRAM	382216.20N/0774754.77W	Y	FB	TF	229.11	7.68			
SCRAM	382216.20N/0774754.77W	Y	-	IF	-	-			SCRAM5.GLANC
DANOO	380427.24N/0781508.96W	Y	FB	TF	230.48	27.88			
WALCE	374319.43N/0784753.20W	Y	FB	TF	231.00	33.42			
GLANC	372627.01N/0790337.65W	Y	FB	TF	216.67	20.99			

