

**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SUPERSEDED NUMBER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>
WOOLY	TWO	WOOLY2.WOOLY	ONE	02/04/2016	2 DEC 2021

<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 1C/1L: CLIMB HEADING 010.65 TO 820, THEN ON HEADING 010.65 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO RAZZA, THENCE...
TAKEOFF RWY 1R: CLIMB HEADING 010.67 TO 820, THEN ON HEADING 010.67 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO RAZZA, THENCE...
TAKEOFF RWY 19C/19R: CLIMB HEADING 190.65 TO 820, THEN RIGHT TURN ON HEADING 320.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO RAZZA, THENCE...
TAKEOFF RWY 19L: CLIMB HEADING 190.67 TO 820, THEN RIGHT TURN ON HEADING 320.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO RAZZA, THENCE...
TAKEOFF RWY 30: CLIMB HEADING 300.65 TO 820, THEN RIGHT TURN ON HEADING 320.00 OR AS ASSIGNED BY ATC, EXPECT RADAR VECTORS TO RAZZA, THENCE...

...ON TRACK 073.33 TO WOOLY, THEN 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>
AGARD	WOOLY2.AGARD	WOOLY	AGARD	TRACK 121.11	48.44	16400	2600	
BALTIMORE	WOOLY2.BAL	WOOLY	BAL VORTAC	TRACK 129.76	20.17	10700	2600	
SWANN	WOOLY2.SWANN	WOOLY	SWANN	TRACK 116.34	39.28	14500	2600	

PROCEDURAL DATA NOTES:

- NOTE:** RNAV 1.
- NOTE:** DME/DME/IRU OR GPS REQUIRED.
- NOTE:** RADAR REQUIRED.
- NOTE:** TURBOJETS ONLY.

TAKEOFF MINIMUMS:

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

TAKEOFF OBSTACLES NOTES:

- NOTE: RWY 1C,** TREES 2815 FT FROM DER, 1031 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/345 FT MSL. SIGN 64 FT FROM DER, 303 FT RIGHT OF CENTERLINE, 13 FT AGL/272 FT MSL.
- NOTE: RWY 1L,** TOWER 1917 FT FROM DER, 680 FT LEFT OF CENTERLINE, 51 FT AGL/330 FT MSL.
- NOTE: RWY 19C,** SIGN 100 FT FROM DER, 472 FT LEFT OF CENTERLINE, 4 FT AGL/289 FT MSL. VEHICLES ON ROAD 24 FT FROM DER, 274 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/293 FT MSL.
- NOTE: RWY 30,** TREES 2264 FT FROM DER, 1033 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/383 FT MSL.

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
WOOLY	TWO	WOOLY2.WOOLY	ONE	02/04/2016	2 DEC 2021

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KIAD 10W EPOCH YEAR: 2000. DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: MEA/MOCA FROM RAZZA TO WOOLY, 6700/2200.

CHART TOP ALTITUDE: 3000.

PILOT NAVIGATION AREA:

7 NM ARC CENTERED ON RAZZA (IF), CW
 FROM: POINT A (BEARING 028 TO RAZZA)
 TO: POINT B (BEARING 118 TO RAZZA)
 MINIMUM ALTITUDE - 4000

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
WASHINGTON DULLES INTL	KIAD	WASHINGTON	DC

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TOWER, DEP CON

FIXES AND/OR NAVAIDS:

REMARKS:

ABBREVIATED AMENDMENT.

FLIGHT INSPECTED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020, SUBJECT: *Digitally signed by*
 FLIGHT INSPECTION REVIEW NOT REQUIRED.

LONNIE EVERHART

Jul 27, 2021

OFFICE DATE

DEVELOPED BY

LONNIE EVERHART (THERON CYRUS)

Digitally signed by
LONNIE EVERHART

Jul 27, 2021

OFFICE DATE

AJV-A432 07/08/2021

APPROVED BY

LONNIE EVERHART

Digitally signed by
LONNIE EVERHART

Jul 27, 2021

OFFICE DATE

AJV-A430

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZDC, POTOMAC APP CON, IAD ATCT, ARPT MGR

CHANGES - REASONS:

1. DELETED WOOLY TO BROSS TRANSITION - PER FPT CHECKLIST/REQUEST.



**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>				
WOOLY	TWO	WOOLY2.WOOLY	ONE	02/04/2016	2 DEC 2021				
<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>
RW01C (AER)	385620.64N/0772735.20W	N	-	-	-	-			
820 MSL		-	-	VA	000.65	-			CG 500 FT/NM TO 820
		-	-	VM	000.65	-			
RAZZA	391416.08N/0771744.94W	Y	FB	DF	-	-			
WOOLY	392019.18N/0770211.17W	Y	FB	TF	063.33	13.51			
RW01L (AER)	385641.88N/0772829.32W	N	-	-	-	-			
820 MSL		-	-	VA	000.65	-			CG 500 FT/NM TO 820
		-	-	VM	000.65	-			
RAZZA	391416.08N/0771744.94W	Y	FB	DF	-	-			
WOOLY	392019.18N/0770211.17W	Y	FB	TF	063.33	13.51			
RW01R (AER)	385525.53N/0772611.22W	N	-	-	-	-			
820 MSL		-	-	VA	000.67	-			CG 500 FT/NM TO 820
		-	-	VM	000.67	-			
RAZZA	391416.08N/0771744.94W	Y	FB	DF	-	-			
WOOLY	392019.18N/0770211.17W	Y	FB	TF	063.33	13.51			
RW19C (AER)	385814.31N/0772733.55W	N	-	-	-	-			
820 MSL		-	-	VA	180.65	-			CG 500 FT/NM TO 820
		-	-	VM	310.00	-			RIGHT TURN
RAZZA	391416.08N/0771744.94W	Y	FB	DF	-	-			



<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>		<u>ACTUAL EFFECTIVE DATE</u>	
WOOLY		TWO		WOOLY2.WOOLY		ONE		02/04/2016		2 DEC 2021	
<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>		
WOOLY	392019.18N/0770211.17W	Y	FB	TF	063.33	13.51					
RW19L (AER)	385719.19N/0772609.53W	N	-	-	-	-					
820 MSL		-	-	VA	180.67	-			CG 500 FT/NM TO 820		
		-	-	VM	310.00	-			RIGHT TURN		
RAZZA	391416.08N/0771744.94W	Y	FB	DF	-	-					
WOOLY	392019.18N/0770211.17W	Y	FB	TF	063.33	13.51					
RW19R (AER)	385814.78N/0772827.98W	N	-	-	-	-					
820 MSL		-	-	VA	180.65	-			CG 500 FT/NM TO 820		
		-	-	VM	310.00	-			RIGHT TURN		
RAZZA	391416.08N/0771744.94W	Y	FB	DF	-	-					
WOOLY	392019.18N/0770211.17W	Y	FB	TF	063.33	13.51					
RW30 (AER)	385601.00N/0772721.23W	N	-	-	-	-					
820 MSL		-	-	VA	290.65	-			CG 500 FT/NM TO 820		
		-	-	VM	310.00	-			RIGHT TURN		
RAZZA	391416.08N/0771744.94W	Y	FB	DF	-	-					
WOOLY	392019.18N/0770211.17W	Y	FB	TF	063.33	13.51					
WOOLY	392019.18N/0770211.17W	Y	-	IF	-	-			WOOLY2.AGARD		
AGARD	390236.89N/0760411.14W	Y	FB	TF	111.11	48.44					
WOOLY	392019.18N/0770211.17W	Y	-	IF	-	-			WOOLY2.BAL		



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>				
WOOLY	TWO	WOOLY2.WOOLY	ONE	02/04/2016	2 DEC 2021				
<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>
BAL VORTAC	391015.83N/0763940.52W	Y	FB	TF	119.76	20.17			
WOOLY	392019.18N/0770211.17W	Y	-	IF	-	-			WOOLY2.SWANN
SWANN	390905.28N/0761343.94W	Y	FB	TF	106.34	39.28			

