

**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SUPERSEDED NUMBER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>
HORTO	FOUR	HORTO4.HORTO	THREE	03/29/2018	31 DEC 2020
<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:

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 292.35 TO MELOE, THEN ON TRACK 328.82 TO HORTO, CROSS HORTO AT OR ABOVE 5000, 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 276.52 TO LBOLT, THEN ON TRACK 349.86 TO RLIII, THEN ON TRACK 346.43 TO HORTO, CROSS HORTO AT OR ABOVE 5000, THENCE ...

TAKEOFF RWY 19: CLIMB ON HEADING 186.50 TO 515, THEN DIRECT CAPVC, THEN ON TRACK 277.02 TO GAITE, THEN ON TRACK 276.52 TO LBOLT, THEN ON TRACK 349.86 TO RLIII, THEN ON TRACK 346.43 TO HORTO, CROSS HORTO AT OR ABOVE 5000, 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 292.35 TO MELOE, THEN ON TRACK 328.82 TO CROSS HORTO AT OR ABOVE 5000, THENCE ...

...ON ASSIGNED TRANSITION. MAINTAIN 5000. 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>
BUFFR	HORTO4.BUFFR	HORTO	BUFFR	TRACK 354.01	21.41	11500	4000	
JERES	HORTO4.JERES	HORTO	JERES	TRACK 011.73	31.47	13500	4400	

PROCEDURAL DATA NOTES:

NOTE: RNAV 1.

NOTE: RADAR REQUIRED.

NOTE: TURBO-JETS ONLY

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: DEPARTING RWY 1 REQUIRES EXPEDITIOUS INTERCEPT OF OUTBOUND COURSE TO ENSURE AVOIDANCE OF P-56 BOUNDARY.

NOTE: RWY 1 DEPARTURES REMAIN CLEAR OF P56, CLIMB ON HEADING 006.50, TURN LEFT AS SOON AS PRACTICAL TO INTERCEPT COURSE 330.75 TO REVGE.

NOTE: 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: TURBO-JETS ONLY.

TAKEOFF MINIMUMS:

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.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

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).



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HORTO	FOUR	HORTO4.HORTO	THREE	03/29/2018	31 DEC 2020

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

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

CHART: TOP ALTITUDE: 5000.**CHART SPEED ICON:** MAXIMUM SPEED 220 KIAS AT REVGE.**CHART:** P56A, P-56B.**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
RONALD REAGAN WASHINGTON NATIONAL	WASHINGTON	DC

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TOWER, DEP CON 118.95/257.2

FIXES AND/OR NAVAIDS:**REMARKS:**

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAG VAR: KDCA 11W EPOC YR:2020

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



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HORTO	FOUR	HORTO4.HORTO	THREE	03/29/2018	31 DEC 2020

FLIGHT INSPECTED BY:

BOB S PRESSLER

Digitally signed by
DAVID TEFFETELLER
Oct 28, 2020

OFFICE SYMBOL: FICO
DATE: 10/27/2020

DEVELOPED BY:

FRANK MOORE

Digitally signed by
DAVID TEFFETELLER
Oct 28, 2020

OFFICE SYMBOL: AJV-A433
DATE: 02/13/2020

APPROVED BY:

GEORGE DAVIS

Digitally signed by
DAVID TEFFETELLER
Oct 28, 2020

OFFICE SYMBOL: AJV-A430
DATE:

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
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OTHER:

ZDC, POTOMAC APP CON, DCA ATCT, ARPT MGR

CHANGES - REASONS:

1. REMOVED ADAXE. - USSS REQUEST TO MOVE TRACK AWAY FROM P56.
2. REMOVED COVTO AND FERGI. - COMMUNITY REQUEST TO MOVE TRACK TO MELOE SOUTH.
3. ADDED REVGE. - DEFINED ROUTE FURTHER FROM P-56.
4. ADDED RGIII. - COMMUNITY REQUEST TO MOVE TRACK TO MELOE SOUTH.
5. ADDED ALTITUDE RESTRICTION TO HORTO. - ATC REQUEST.
6. 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 REVGE.
7. CHANGED RWY 1 MAGNETIC HEADING FROM 006.49 TO 006.50. - NEW SURVEY.
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, MELOE, GAITE, LBOLT, RLLLL. DELETED - ALL CHARTED FIXES ARE LISTED WITHIN THE DP ROUTE DESCRIPTION.
10. TAKEOFF MINIMUMS: ADDED IF UNABLE TO ACCEPT CLIMB RATE, ADVISE ATC ON INITIAL CONTACT - ATC REQUEST.

05/19/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/13/20

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

10/22/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/13/20.

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

QUALITY
18
CHECKED

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

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
HORTO							FOUR	HORTO4.HORTO	THREE	03/29/2018	31 DEC 2020
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS	
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					
MELOE	385937.28N/0771908.69W	Y	FB	TF	281.35	8.22					
HORTO	390704.50N/0772749.30W	Y	FB	TF	317.82	10.06	AT/ABOVE 5000				
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					
LBOLT	384413.13N/0771501.42W	Y	FB	TF	265.52	5.71					
RLLLL	385055.11N/0771820.23W	Y	FB	TF	338.86	7.18					
HORTO	390704.50N/0772749.30W	Y	FB	TF	335.43	17.75	AT/ABOVE 5000				
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					
LBOLT	384413.13N/0771501.42W	Y	FB	TF	265.52	5.71					
RLLLL	385055.11N/0771820.23W	Y	FB	TF	338.86	7.18					

QUALITY

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HORTO						FOUR	HORTO4.HORTO	THREE	03/29/2018	31 DEC 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>
HORTO	390704.50N/0772749.30W	Y	FB	TF	335.43	17.75	AT/ABOVE 5000			
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				
MELOE	385937.28N/0771908.69W	Y	FB	TF	281.35	8.22				
HORTO	390704.50N/0772749.30W	Y	FB	TF	317.82	10.06	AT/ABOVE 5000			
HORTO	390704.50N/0772749.30W	Y	-	IF	-	-	AT/ABOVE 5000		HORTO4.BUFFR	
BUFFR	392733.65N/0773553.93W	Y	FB	TF	343.01	21.41				
HORTO	390704.50N/0772749.30W	Y	-	IF	-	-	AT/ABOVE 5000		HORTO4.JERES	
JERES	393834.40N/0772718.20W	Y	FB	TF	000.73	31.47				

