

**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SUPERSEDED NUMBER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>
NATIONAL	EIGHT	NATNL8.NATNL	SEVEN	6/18/2015	7 OCT 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 type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 1: CLIMBING LEFT TURN AS SOON AS PRACTICAL TO INTERCEPT DCA VOR/DME R-328 TO 5000 OR AS ASSIGNED, THENCE...
 TAKEOFF RWY 4: CLIMBING RIGHT TURN AS SOON AS PRACTICAL TO INTERCEPT DCA VOR/DME R-070 TO 5000 OR AS ASSIGNED, THENCE...
 TAKEOFF RWY 15: CLIMBING RIGHT TURN AS SOON AS PRACTICAL TO INTERCEPT DCA VOR/DME R-185 TO 5000 OR AS ASSIGNED, THENCE...
 TAKEOFF RWY 19: CLIMB ON DCA VOR/DME R-185 TO 5000 OR AS ASSIGNED, THENCE...
 TAKEOFF RWY 22: CLIMBING LEFT TURN AS SOON AS PRACTICAL TO INTERCEPT DCA VOR/DME R-185 TO 5000 OR AS ASSIGNED, THENCE...
 TAKEOFF RWY 33: CLIMB ON DCA VOR/DME R-328 TO 5000 OR AS ASSIGNED, THENCE...

...EXPECT RADAR VECTORS TO FILED / ASSIGNED FIX. MAINTAIN 5000 OR ASSIGNED ALTITUDE, EXPECT CLEARANCE TO FILED ALTITUDE 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>
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PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED.

NOTE: PILOTS SHALL COMPLY WITH RONALD REAGAN WASHINGTON NATL AIRPORT NOISE ABATEMENT AND PROHIBITED AREA (P-56) AVOIDANCE PROCEDURES AS DEFINED IN AIRPORT/FACILITY DIRECTORY SPECIAL NOTICES.

NOTE: ATC ASSIGNED ONLY.

TAKEOFF MINIMUMS:

RWY 1, 600-2 WITH MINIMUM CLIMB OF 275 FT PER NM TO 1500 OR STANDARD WITH MINIMUM CLIMB OF 460 FT PER NM TO 800.

RWY 4, 300-2 OR STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NOT LATER THAN 1400 FT PRIOR TO DER.

RWY 15, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 215 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FT PRIOR TO DER.

RWY 19, 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 300, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1200 FT PRIOR TO DER.

RWY 22, 500-2 3/4 OR STANDARD WITH MINIMUM CLIMB OF 305 FT PER NM TO 600.

RWY 33, STANDARD WITH MINIMUM CLIMB OF 285 FT PER NM TO 700.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 1: 1049 FT MSL TOWER 385624.20N/0770452.42W (275 FT PER NM CLIMB GRADIENT). 595 FT MSL MONUMENT 385322.00N/0770207.00W (460 FT PER NM CLIMB GRADIENT, CEILING, VISIBILITY).

RWY 4: 265 FT MSL SPIRE 385238.83N/0770106.34W (CLIMB GRADIENT). 1048 FT MSL TOWER 385746.00N/0770135.00W (ROUTE DEVELOPMENT OBSTACLE).

RWY 15: 245 FT MSL TREE 384949.86N/0770048.40W (CLIMB GRADIENT, CLIMB-TO ALTITUDE, CEILING). 239 FT MSL TREE 384944.42N/0770051.15W (VISIBILITY).

QUALITY
22
CHECKED

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RWY 19: 189 FT MSL BUILDING 384920.48N/0770229.29W.

RWY 22: 370 FT MSL BUILDING 384900.00N/0770359.00W (CLIMB GRADIENT, CLIMB-TO ALTITUDE). 443 FT MSL BUILDING 384826.98N/0770357.36W (CEILING, VISIBILITY).

RWY 33: 470 FT MSL BUILDING 385343.00N/0770415.00W (CLIMB GRADIENT). 1049 FT MSL TOWER 385624.20N/0770452.42W (ROUTE DEVELOPMENT OBSTACLE).

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART IN BOLD PRINT: NOTE: PROHIBITED AREA P-56 1.5 NM NORTH OF AIRPORT.

CHART: P-56.

CHART: TOP ALTITUDE: 5000.

CHART: POTOMAC AND ANACOSTIA RIVERS.

CHART ON GRAPHIC IN A BOX: DEP CON EAST FREQUENCY.

CHART ON GRAPHIC IN A BOX: DEP CON WEST FREQUENCY.

AIRPORTS SERVED:

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

COMMUNICATIONS:

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

FIXES AND/OR NAVAIDS:

CHART: AGARD, WHINO, BUFFR, COLIN, CLTCH, DAILY, DOCTR, FLUKY, GINYA, HAFNR, HORTO, JDUBB, JERES, MCRAY, OTTTO, PALEO, PAUKI, RAMAY, SCRAM, SOOKI, SWANN, WOOLY, AML VOR/DME, CSN VORTAC, EMI VORTAC, GVE VORTAC, LDN VORTAC, MOL VOR/DME.

REMARKS:

1. RWY 1: 460 FT PER NM CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 455 FT PER NM); 275 FT PER NM CLIMB GRADIENT ROUND TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 272 FT PER NM).

2. RWY 4 CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 209 FT PER NM).

3. RWY 15 CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 213 FT PER NM).

4. RWY 19 CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 203 FT PER NM).

5. RWY 22 CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 303 FT PER NM).

6. RWY 33 CLIMB GRADIENT ROUNDED UP TO NEXT HIGHEST 5 FT INCREMENT FOR PUBLICATION (COMPUTED VALUE 281 FT PER NM).

7. ABBREVIATED AMENDMENT, DOES NOT SATISFY PERIODIC REVIEW REQUIREMENTS

FLIGHT INSPECTED BY

OFFICE

DATE

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

Digitally signed by

DEVELOPED BY

Digitally signed by

DONALD H LANIER

OFFICE

DATE

DON LANIER (PETER GETZ)

DONALD H LANIER

May 07, 2021

AJV-A431

May 07, 2021

APPROVED BY

Digitally signed by

OFFICE

DATE

TITLE

LONNIE EVERHART

DONALD H LANIER

AJV-A430

MANAGER

May 07, 2021

REQUIRED EFFECTIVE DATE

ROUTINE

QUALITY
22
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
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COORDINATED WITH:

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

CHANGES - REASONS:

1. REMOVED FIX BOOCK - FIX WAS CANCELED.
2. ADDED FIX WHINO - ATC.
3. CHANGED RWY 4 CLIMB TO ALTITUDE FROM 2000 TO 5000 - ATC REQUEST
4. ADDED MAINTAIN 5000 OR ASSIGNED ALTITUDE TO DP ROUTE DESCRIPTION - IAW 8260-46

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