

**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.
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
WYNGS	FOUR	WYNGS4.WYNGS	THREE	03/31/2016	

<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 1: CLIMB HEADING 004.50 TO INTERCEPT COURSE 330.50 TO ADAXE, THEN ON DEPICTED ROUTE TO WYNGS, THENCE...

TAKEOFF RWY 15: CLIMB HEADING 151.64 TO 515, THEN RIGHT TURN DIRECT CAPVC, THEN ON DEPICTED ROUTE TO WYNGS, THENCE...

TAKEOFF RWY 19: CLIMB HEADING 184.50 TO 515, THEN DIRECT CAPVC, THEN ON DEPICTED ROUTE TO WYNGS, THENCE...

TAKEOFF RWY 33: CLIMB HEADING 331.65 TO 515, THEN RIGHT TURN DIRECT ADAXE, THEN ON DEPICTED ROUTE TO WYNGS, THENCE...

...ON RAMAY 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>
RAMAY	WYNGS4.RAMAY	WYNGS	RAMAY	TRACK 281.55	17.07	12000	4600	

PROCEDURAL DATA NOTES:

NOTE: RNAV 1.

NOTE: RADAR REQUIRED.

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 P-56, CLIMB HEADING 004.50, TURN LEFT AS SOON AS PRACTICAL TO INTERCEPT COURSE 330.50 TO ADAXE.

NOTE: PILOTS SHALL COMPLY WITH RONALD REAGAN WASHINGTON NATIONAL AIRPORT NOISE ABATEMENT AND PROHIBITED AREA (P-56) AVOIDANCE PROCEDURES AS DEFINED IN IN THE CHART SUPPLEMENT SPECIAL NOTICES.

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 790 FT PER NM TO 515.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 1, FENCE AND BUILDINGS BEGINNING 118 FT FROM DER, 332 FT RIGHT OF CENTERLINE, UP TO 21 FT AGL/22 FT MSL. LIGHT POLE AND TREES BEGINNING 995 FT FROM DER, 476 FT LEFT OF CENTERLINE, UP TO 47 FT AGL/49 FT MSL. TREES BEGINNING 1008 FT FROM DER, 152 FT LEFT OF CENTERLINE, UP TO 71 FT AGL/72 FT MSL. MONUMENT 1.6 NM FROM DER, 1785 FT RIGHT OF CENTERLINE, 556 FT AGL/595 FT MSL.

NOTE: RWY 15, ELECTRICAL SYSTEMS BEGINNING 178 FT FROM DER, 288 FT RIGHT OF CENTERLINE, UP TO 10 FT AGL/19 FT MSL. TREES 1.2 NM FROM DER, 2418 FT LEFT OF CENTERLINE, 100 FT AGL/211 FT MSL. TREES 1.2 NM FROM DER, 2502 FT LEFT OF CENTERLINE, 93 FT AGL/212 FT MSL. TREES 1.2 NM FROM DER, 2353 FT LEFT OF CENTERLINE, 99 FT AGL/222 FT MSL. TREES BEGINNING 1.3 NM FROM DER, 1546 FT LEFT OF CENTERLINE, UP TO 69 FT AGL/223 FT MSL. TREES BEGINNING 1.3 NM FROM DER, 1290 FT LEFT OF CENTERLINE, UP TO 72 FT AGL/228 FT MSL. TREES BEGINNING 1.3 NM FROM DER, 1143 FT LEFT OF CENTERLINE, UP TO 79 FT AGL/230 FT MSL. TREES 1.4 NM FROM DER, 1297 FT LEFT OF CENTERLINE, 75 FT AGL/234 FT MSL. TREES BEGINNING 1.4 NM FROM DER, 55 FT LEFT OF CENTERLINE, UP TO 237 FT MSL. TREES 1.4 NM FROM DER, 13 FT RIGHT OF CENTERLINE, 94 FT AGL/245 FT MSL. TREES 1.5 NM FROM DER, 520 FT RIGHT OF CENTERLINE, 80 FT AGL/239 FT MSL.

NOTE: RWY 19, TREES 3434 FT FROM DER, 1135 FT RIGHT OF CENTERLINE, 105 FT MSL. BUILDING 1.1 NM FROM DER, 1891 FT RIGHT OF CENTERLINE, 171 FT AGL/189 FT MSL.

NOTE: RWY 33, SIGN 18 FT FROM DER, 191 FT LEFT OF CENTERLINE, 3 FT AGL/15 FT MSL. FENCE 27 FT FROM DER, 332 FT RIGHT OF CENTERLINE, 8 FT AGL/18 FT MSL. POLE 93 FT FROM DER, 423 FT RIGHT OF CENTERLINE, 18 FT AGL/28 FT MSL. TREES, VEHICLES ON ROAD, AND LIGHT POLE BEGINNING 365 FT FROM DER, 101 FT LEFT OF CENTERLINE, UP TO 70 FT MSL. TREES BEGINNING 882 FT FROM DER, 349 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/93 FT MSL. POLE, CRANES, AND TREES BEGINNING 1389 FT FROM DER, 78 FT RIGHT OF CENTERLINE, UP TO 82 FT AGL/95 FT MSL. BUILDING AND TREES BEGINNING 1777 FT FROM DER, 868 FT LEFT OF CENTERLINE, UP TO 127 FT AGL/144 FT MSL. VENT ON BUILDING, LIGHT POLE, AND ANTENNA BEGINNING 1946 FT FROM DER, 246 FT LEFT OF CENTERLINE, UP TO 124 FT AGL/145 FT MSL. ANTENNAS BEGINNING 4608 FT FROM DER, 277 FT LEFT OF CENTERLINE, UP TO 115 FT AGL/151 FT MSL. POLE 1.7 NM FROM DER, 2115 FT LEFT OF CENTERLINE, 100 FT AGL/307 FT MSL. TREES BEGINNING 1.8 NM FROM DER, 1912 FT LEFT OF CENTERLINE, UP TO 311 FT MSL. TOWER AND BUILDINGS BEGINNING

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2.2 NM FROM DER, 1375 FT RIGHT OF CENTERLINE, UP TO 330 FT AGL/394 FT MSL. CRANE, SPIRE, AND BUILDINGS BEGINNING 2.4 NM FROM DER, 154 FT LEFT OF CENTERLINE, UP TO 387 FT AGL/470 FT MSL. SATELLITE DISH 2.5 NM FROM DER, 2456 FT LEFT OF CENTERLINE, 189 FT AGL/418 FT MSL.

CONTROLLING OBSTACLES:

RWY 1: 595 FT MSL MONUMENT 385322.00N/0770207.00W (CLIMB-TO ALTITUDE).

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

REFERENCE MAG VAR: KDCA 9W EPOCH YEAR: 1985. DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: TOP ALTITUDE: 5000.

CHART SPEED ICON: MAXIMUM SPEED 220 KIAS AT ADAXE; MAXIMUM SPEED 240 KIAS AT BEBLE; MAXIMUM SPEED AT COVTO 250 KIAS.

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:

BEBLE, COVTO, FERGI, MELOE, GAITE, LBOLT, GINYA.



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WYNGS	FOUR	WYNGS4.WYNGS	THREE	03/31/2016	

REMARKS:

1. WAIVER ON FILE FOR VI LEG LESS THAN MINIMUM OF 1 NM FOR TAKEOFF RWY 1.
2. APPROVAL LETTER ON FILE FOR 825 FT PER NM CLIMB GRADIENT FOR TAKEOFF RWY 1.
3. APPROVAL LETTER REQUESTED FOR 790 FT PER NM CLIMB GRADIENT FOR TAKEOFF RWY 33.
4. RADAR REQUIRED VICE RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT NOTE USED PER ATC REQUEST.

FLIGHT INSPECTED BY:

OFFICE SYMBOL:

DATE:

DEVELOPED BY:

PETER GUIMOND

Digitally signed by
PETER R GUIMOND
Mar 28, 2016

OFFICE SYMBOL:

DATE:

AJV-5412

03/28/2016

APPROVED BY:

MARLON ROBINSON

OFFICE SYMBOL:

DATE:

AJV-5410

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A	ALPA	AOPA	APA	HAI	NBAA
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

ZDC, POTOMAC APP CON, DCA ATCT, ARPT MGR

CHANGES - REASONS:

1. AMENDED WYNGS TO RAMAY MEA FROM 12100 TO 12000 - NEW RNAV PRO EVALUATION.
2. AMENDED RWY 33 TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 540 FT PER NM TO 640 TO STANDARD WITH MINIMUM CLIMB OF 790 FT PER NM TO 515 - MINIMUM CLIMB GRADIENT REQUIRED TO CONSTRUCT A VA-DF LEG THAT TERMINATES AT THE UPDATED POSITION OF ADAXE AND WILL AVOID OVERFLYING ARLINGTON NATIONAL CEMETERY.
3. MOVED ADAXE 0.39 NM SOUTHEAST, BEBLE 0.32 NM SOUTHEAST, AND COVTO 0.30 NM EAST - DC METROPLEX TEAM REQUEST IN CONJUNCTION WITH AIRPORT AUTHORITY AND LOCAL COMMUNITY TO REDUCE NOISE OVER POPULATED AREAS.
4. AMENDED RWY 1 VI HEADING FROM 355.49 TO 355.50 - MATCH CURRENT RUNWAY BEARING VALUE IN AIRNAV.
5. AMENDED VI LEG TO ADAXE SEGMENT COURSE/DISTANCE FROM 332.00/2.21 TO 330.50/1.83 - COMPUTED USING UPDATED POSITION OF ADAXE.
6. AMENDED ADAXE TO BEBLE SEGMENT COURSE/DISTANCE FROM 304.68/2.05 TO 308.50/2.06 - COMPUTED USING UPDATED POSITIONS OF ADAXE AND BEBLE.
7. AMENDED BEBLE TO COVTO SEGMENT COUSE/DISTANCE FROM 335.81/2.26 TO 339.65/2.41 - COMPUTED USING UPDATED POSITIONS OF BEBLE AND COVTO.
8. AMENDED COVTO TO FERGI SEGMENT COURSE/DISTANCE FROM 326.41/3.23 TO 322.73/3.44 - COMPUTED USING UPDATED POSITION OF COVTO.
9. ADDED SPEED RESTRICTION OF MAX 240 KIAS AT BEBLE AND MAX 250 KIAS AT COVTO - STANDARDIZE SPEEDS AT BEBLE AND COVTO WITH OTHER SIDS AT AIRPORT.
10. AMENDED NOTE: RWY 1 DEPARTURES REMAIN CLEAR OF P-56, CLIMB HEADING 004.49, TURN LEFT AS SOON AS PRACTICAL TO INTERCEPT COURSE 332.00 TO ADAXE TO READ RWY 1 DEPARTURES REMAIN CLEAR OF P-56, CLIMB HEADING 004.50, TURN LEFT AS SOON AS PRACTICAL TO INTERCEPT COURSE 330.50 TO ADAXE - REFORMATTED USING AMENDED VI HEADING AND COURSE TO ADAXE.
11. UPDATED TAKEOFF OBSTACLE NOTES FOR ALL AUTHORIZED RUNWAYS - MATCH FAA FORM 8260-15A, AMDT 9.
12. DELETED RWY 33 CONTROLLING OBSTACLE - NO LONGER A FACTOR WHEN USING A 790 FT PER NM CLIMB GRADIENT.

QUALITY
3
CHECKED

DEPARTURE (DATA RECORD)

DP Name		Number		DP Computer Code		Superseded Number		Dated	Effective Date
WYNGS		FOUR		WYNGS4.WYNGS		THREE		03/31/2016	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW01 (AER)	385029.65N/0770212.29W	N	-	-	-	-			
	385216.70N/0770223.06W	-	-	VI	355.50	1.79			CG 825 FT/NM TO 600
ADAXE	385342.54N/0770350.44W	Y	FB	CF	321.50	1.83		AT/BELOW 220K	RECOMMENDED NAVAID: DCA VOR/DME
BEBLE	385443.48N/0770608.35W	Y	FB	TF	299.50	2.06		AT/BELOW 240K	
COVTO	385649.58N/0770739.16W	Y	FB	TF	330.65	2.41		AT/BELOW 250K	
FERGI	385912.16N/0771050.18W	Y	FB	TF	313.73	3.44			
MELOE	385937.28N/0771908.69W	Y	FB	TF	273.74	6.49			
WYNGS	385655.04N/0775107.02W	Y	FB	TF	263.98	25.08			
RW15 (AER)	385140.18N/0770235.87W	N	-	-	-	-			
515 MSL		-	-	VA	142.64	-			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			
GINYA	385633.05N/0774048.26W	Y	FB	TF	301.59	23.61			
WYNGS	385655.04N/0775107.02W	Y	FB	TF	272.66	8.05			
RW19 (AER)	385140.29N/0770219.41W	N	-	-	-	-			
515 MSL		-	-	VA	175.50	-			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			
GINYA	385633.05N/0774048.26W	Y	FB	TF	301.59	23.61			
WYNGS	385655.04N/0775107.02W	Y	FB	TF	272.66	8.05			
RW33 (AER)	385059.29N/0770155.95W	N	-	-	-	-			
515 MSL		-	-	VA	322.65	-			CG 790 FT/NM TO 515
ADAXE	385342.54N/0770350.44W	Y	FB	DF	-	-		AT/BELOW 220K	RIGHT TURN
BEBLE	385443.48N/0770608.35W	Y	FB	TF	299.50	2.06		AT/BELOW 240K	
COVTO	385649.58N/0770739.16W	Y	FB	TF	330.65	2.41		AT/BELOW 250K	
FERGI	385912.16N/0771050.18W	Y	FB	TF	313.73	3.44			
MELOE	385937.28N/0771908.69W	Y	FB	TF	273.74	6.49			

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WYNGS		FOUR		WYNGS4.WYNGS			THREE		03/31/2016	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
WYNGS	385655.04N/0775107.02W	Y	FB	TF	263.98	25.08				
WYNGS	385655.04N/0775107.02W	Y	-	IF	-	-			WYNGS4.RAMAY	
RAMAY	385738.57N0781259.01W	Y	FB	TF	272.55	17.07				

QUALITY
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