

U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
GRAPHIC DEPARTURE PROCEDURE (DP)

Bearings, headings, courses, tracks, and radials are magnetic. Elevation 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. Graphic depictions attached.

DP Name	Number	DP Computer Code	Superseded Number	Dated	Effective Date
RIGNZ	ONE	RIGNZ1.RIGNZ	NONE		30 APR 2015

TYPE: RNAV SID

DP ROUTE DESCRIPTION:

TAKEOFF RWY 1C/1L: CLIMB HEADING 010.65 TO 820, THEN DIRECT ASHBN, THEN ON TRACK 084.46 TO CROSS RIGNZ AT 10000, THENCE...

TAKEOFF RWY 1R: CLIMB HEADING 010.67 TO 820, THEN DIRECT ASHBN, THEN ON TRACK 084.46 TO CROSS RIGNZ AT 10000, THENCE...

TAKEOFF RWY 19C/19R: CLIMB HEADING 190.65 TO 820, THEN RIGHT TURN DIRECT DUDDD, THEN ON TRACK 325.46 TO JUANN, THEN ON TRACK 004.50 TO PRISM, THEN ON TRACK 014.80 TO TVINO, THEN ON TRACK 059.30 TO STRMN, THEN ON TRACK 115.16 TO CROSS RIGNZ AT 10000, THENCE...

TAKEOFF RWY 19L: CLIMB HEADING 190.67 TO 820, THEN RIGHT TURN DIRECT DUDDD, THEN ON TRACK 325.46 TO JUANN, THEN ON TRACK 004.50 TO PRISM, THEN ON TRACK 014.80 TO TVINO, THEN ON TRACK 059.30 TO STRMN, THEN ON TRACK 115.16 TO CROSS RIGNZ AT 10000, THENCE...

TAKEOFF RWY 30: CLIMB HEADING 300.65 TO 820, THEN RIGHT TURN DIRECT PRISM, THEN ON TRACK 014.80 TO TVINO, THEN ON TRACK 059.30 TO STRMN, THEN ON TRACK 115.16 TO CROSS RIGNZ AT 10000, THENCE...

...ON ASSIGNED TRANSITION. MAINTAIN 3000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN TEN (10) MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	Crossing Altitudes/Fixes
AGARD	RIGNZ1.AGARD	RIGNZ	JCOBY	TRACK 112.21	6.41	11300	1900	
			GRIIM	TRACK 111.52	8.74	13100	1900	
			RIISE	TRACK 120.82	16.39	16400	1800	
			DOCTR	TRACK 099.76	11.57	FL180		
			AGARD	TRACK 092.74	16.23	FL180		
COLIN	RIGNZ1.COLIN	RIGNZ	JCOBY	TRACK 112.21	6.41	11300	1900	
			GRIIM	TRACK 111.52	8.74	13100	1900	
			BUTTZ	TRACK 123.57	9.65	15000	1800	
			BSTIC	TRACK 171.90	13.64	17700	1700	
			DIXXE	TRACK 190.51	24.97	FL180		
			COLIN	TRACK 182.74	18.71	FL180		
SWANN	RIGNZ1.SWANN	RIGNZ	JCOBY	TRACK 112.21	6.41	11300	1900	
			GRIIM	TRACK 111.52	8.74	13100	1900	
			SOOKI	TRACK 098.06	21.81	17400	1800	
			SWANN	TRACK 091.67	13.84	FL180		



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RIGNZ	ONE	RIGNZ1.RIGNZ	NONE		30 APR 2015

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**NOTE:** RNAV 1.**NOTE:** DME/DME/IRU OR GPS REQUIRED.**NOTE:** RADAR REQUIRED.**NOTE:** TURBOJETS ONLY.**NOTE:** AIRCRAFT MAY BE RADAR VECTORED TO ASHBN, DUDD, JUANN, PRISM, TVINO, STRMN, OR RIGNZ.**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:****ADDITIONAL FLIGHT DATA:**

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

CHART TOP ALTITUDE: 3000.**AIRPORTS SERVED:**

WASHINGTON DULLES INTL

WASHINGTON, DC

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, TOWER, DEP CON 125.05/350.2

FIXES AND/OR NAVAIDS:

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RIGNZ	ONE	RIGNZ1.RIGNZ	NONE		30 APR 2015

REMARKS:

CHANGES:

ORIGINAL.

REASONS:

ATC REQUEST.



DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number	Dated	Effective Date
RIGNZ		ONE	RIGNZ1.RIGNZ				NONE		30 APR 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW01C (AER)	385620.64N/0772735.20W	N	-	-	-	-			
820 MSL		-	-	VA	000.65	-			CG 500 FT/NM TO 820
ASHBN	390729.99N/0772750.47W	Y	FB	DF	-	-			
RIGNZ	390932.27N/0771823.90W	Y	FB	TF	074.46	7.62	AT 10000		
RW01L (AER)	385641.88N/0772829.32W	N	-	-	-	-			
820 MSL		-	-	VA	000.65	-			CG 500 FT/NM TO 820
ASHBN	390729.99N/0772750.47W	Y	FB	DF	-	-			
RIGNZ	390932.27N/0771823.90W	Y	FB	TF	074.46	7.62	AT 10000		
RW01R (AER)	385525.53N/0772611.22W	N	-	-	-	-			
820 MSL		-	-	VA	000.67	-			CG 500 FT/NM TO 820
ASHBN	390729.99N/0772750.47W	Y	FB	DF	-	-			
RIGNZ	390932.27N/0771823.90W	Y	FB	TF	074.46	7.62	AT 10000		
RW19C (AER)	385814.31N/0772733.55W	N	-	-	-	-			
820 MSL		-	-	VA	180.65	-			CG 500 FT/NM TO 820
DUDDD	385320.08N/0773447.64W	Y	FB	DF	-	-			RIGHT TURN
JUANN	385703.46N/0773929.29W	Y	FB	TF	315.46	5.22			
PRISM	390506.92N/0774029.05W	Y	FB	TF	354.50	8.09			
TVINO	390924.30N/0774001.29W	Y	FB	TF	004.80	4.30			
STRMN	391259.28N/0773439.77W	Y	FB	TF	049.30	5.49			
RIGNZ	390932.27N/0771823.90W	Y	FB	TF	105.16	13.11	AT 10000		
RW19L (AER)	385719.19N/0772609.53W	N	-	-	-	-			
820 MSL		-	-	VA	180.67	-			CG 500 FT/NM TO 820
DUDDD	385320.08N/0773447.64W	Y	FB	DF	-	-			RIGHT TURN
JUANN	385703.46N/0773929.29W	Y	FB	TF	315.46	5.22			
PRISM	390506.92N/0774029.05W	Y	FB	TF	354.50	8.09			
TVINO	390924.30N/0774001.29W	Y	FB	TF	004.80	4.30			
STRMN	391259.28N/0773439.77W	Y	FB	TF	049.30	5.49			
RIGNZ	390932.27N/0771823.90W	Y	FB	TF	105.16	13.11	AT 10000		

QUALITY
3
CHECKED

DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number	Dated	Effective Date
RIGNZ		ONE	RIGNZ1.RIGNZ				NONE		30 APR 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW19R (AER)	385814.78N/0772827.98W	N	-	-	-	-			
820 MSL		-	-	VA	180.65	-			CG 500 FT/NM TO 820
DUDDD	385320.08N/0773447.64W	Y	FB	DF	-	-			RIGHT TURN
JUANN	385703.46N/0773929.29W	Y	FB	TF	315.46	5.22			
PRISM	390506.92N/0774029.05W	Y	FB	TF	354.50	8.09			
TVINO	390924.30N/0774001.29W	Y	FB	TF	004.80	4.30			
STRMN	391259.28N/0773439.77W	Y	FB	TF	049.30	5.49			
RIGNZ	390932.27N/0771823.90W	Y	FB	TF	105.16	13.11	AT 10000		
RW30 (AER)	385601.00N/0772721.23W	N	-	-	-	-			
820 MSL		-	-	VA	290.65	-			CG 500 FT/NM TO 820
PRISM	390506.92N/0774029.05W	Y	FB	DF	-	-			RIGHT TURN
TVINO	390924.30N/0774001.29W	Y	FB	TF	004.80	4.30			
STRMN	391259.28N/0773439.77W	Y	FB	TF	049.30	5.49			
RIGNZ	390932.27N/0771823.90W	Y	FB	TF	105.16	13.11	AT 10000		
RIGNZ	390932.27N/0771823.90W	Y	-	IF	-	-			RIGNZ1.AGARD
JCOBY	390810.57N/0771020.80W	Y	FB	TF	102.21	6.41			
GRIIM	390625.18N/0765920.40W	Y	FB	TF	101.52	8.74			
RIISE	390033.66N/0763941.13W	Y	FB	TF	110.82	16.39			
DOCTR	390035.58N/0762450.75W	Y	FB	TF	089.76	11.57			
AGARD	390236.89N/0740411.14W	Y	FB	TF	082.74	16.23			
RIGNZ	390932.27N/0771823.90W	Y	-	IF	-	-			RIGNZ1.COLIN
JCOBY	390810.57N/0771020.80W	Y	FB	TF	102.21	6.41			
GRIIM	390625.18N/0765920.40W	Y	FB	TF	101.52	8.74			
BUTTZ	390232.79N/0764759.06W	Y	FB	TF	113.57	9.65			
BSTIC	384933.85N/0764233.65N	Y	FB	TF	161.90	13.64			
DIXXE	382434.35N/0764250.50W	Y	FB	TF	180.51	24.97			
COLIN	380559.23N/0763950.85W	Y	FB	TF	172.74	18.71			



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RIGNZ		ONE		RIGNZ1.RIGNZ			NONE			30 APR 2015
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RIGNZ	390932.27N/0771823.90W	Y	-	IF	-	-			RIGNZ1.SWANN	
JCOBY	390810.57N/0771020.80W	Y	FB	TF	102.21	6.41				
GRIIM	390625.18N/0765920.40W	Y	FB	TF	101.52	8.74				
SOOKI	390706.18N/0763120.23W	Y	FB	TF	088.06	21.81				
SWANN	390905.28N/0761343.94W	Y	FB	TF	081.67	13.84				

