

**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DP Name HIICH	Number TWO	DP Computer Code HIICH2.HIICH	Superseded Number ONE	Dated 06 JUN 15	Effective Date 31 MAR 2016
-------------------------	----------------------	---	---------------------------------	---------------------------	--------------------------------------

TYPE: SID RNAV **THIS IS A CORRECTED COPY OF A PROCEDURE PREVIOUSLY PUBLISHED IN NFDD 024.**

DP ROUTE DESCRIPTION:

TAKEOFF RWY 16L: CLIMB HEADING 160.61 TO 710, THEN RIGHT TURN DIRECT GABBE, THEN ON TRACK 336.03 TO HIICH, THENCE...
TAKEOFF RWY 16R: CLIMB HEADING 160.61 TO 710, THEN RIGHT TURN DIRECT GABBE, THEN ON TRACK 336.03 TO HIICH, THENCE...
TAKEOFF RWY 34L: CLIMB HEADING 340.62 TO INTERCEPT COURSE 268.78 TO HIICH, THENCE...
TAKEOFF RWY 34R: CLIMB HEADING 340.61 TO INTERCEPT COURSE 268.62 TO HIICH, THENCE...

...ON ASSIGNED TRANSITION. MAINTAIN 3000. EXPECT CLEARANCE TO FILED ALTITUDE WITHIN 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
JERES	HIICH2.JERES	HIICH	PUGLE	TRACK 348.09	11.76	6100	3400	
			HEFLN	TRACK 027.51	10.35	8200	3000	
			STRKY	TRACK 016.75	14.71	11100	3600	
			JERES	TRACK 040.50	23.76	15000	4400	
MCRAY	HIICH2.MCRAY	HIICH	PUGLE	TRACK 348.09	11.76	6100	3400	
			HEFLN	TRACK 027.51	10.35	8200	3000	
			STRKY	TRACK 016.75	14.71	11100	3600	
			MCRAY	TRACK 344.57	15.71	14300	3800	
OTTTO	HIICH2.OTTTO	HIICH	RNLDI	TRACK 305.89	9.68	5700	3600	
			OTTTO	TRACK 297.56	14.48	8600	5100	
RAMAY	HIICH2.RAMAY	HIICH	BUNZZ	TRACK 325.66	13.52	6500	3800	
			RAMAY	TRACK 301.38	14.55	9400	4600	
WOOLY	HIICH2.WOOLY	HIICH	PUGLE	TRACK 348.09	11.76	6100	3400	
			HEFLN	TRACK 027.51	10.35	8200	3000	
			STRMN	TRACK 050.61	12.52	9000	3100	
			WOOLY	TRACK 083.63	26.26	14000	3500	



**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
HIICH	TWO	HIICH2.HIICH	ONE	06 JUN 15	31 MAR 2016

PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:

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

TAKEOFF MINIMUMS:

RWY 16L, 16R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 710.
RWY 34L, 34R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 710, THEN MINIMUM CLIMB OF 335 FT PER NM TO 3800.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 16L, TREES BEGINNING 1247 FT FROM DER, 178 FT LEFT OF CENTERLINE, UP TO 99 FT AGL/268 FT MSL. TREES BEGINNING 1810 FT FROM DER, 88 FT RIGHT OF CENTERLINE, UP TO 73 FT AGL/272 FT MSL. TREES BEGINNING 2618 FT FROM DER, 4 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/293 FT MSL. TREES BEGINNING 3414 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 75 FT AGL/284 FT MSL. TREES BEGINNING 3703 FT FROM DER, 145 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/299 FT MSL. TREES BEGINNING 4193 FT FROM DER, 1343 FT LEFT OF CENTERLINE, UP TO 82 FT AGL/311 FT MSL. TREES BEGINNING 4677 FT FROM DER, 313 FT RIGHT OF CENTERLINE, UP TO 89 FT AGL/303 FT MSL.

NOTE: RWY 16R, TREES BEGINNING 119 FT FROM DER, 473 FT RIGHT OF CENTERLINE, UP TO 32 FT AGL/221 FT MSL. TREES BEGINNING 749 FT FROM DER, ON CENTERLINE, UP TO 29 FT AGL/197 FT MSL. TREES BEGINNING 745 FT FROM DER, 85 FT RIGHT OF CENTERLINE, UP TO 33 FT AGL/212 FT MSL. TREES BEGINNING 588 FT FROM DER, 536 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/236 FT MSL.

NOTE: RWY 34L, TERRAIN AND SIGN BEGINNING 1 FT FROM DER, 392 FT RIGHT OF CENTERLINE, UP TO 5 FT AGL/192 FT MSL. TREES AND POLES BEGINNING 877 FT FROM DER, 616 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/247 FT MSL. BUILDING AND TREES BEGINNING 1573 FT FROM DER, 249 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/252 FT MSL. TREES BEGINNING 1752 FT FROM DER, 187 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/238 FT MSL. TOWER AND TREES BEGINNING 2563 FT FROM DER, 182 FT LEFT OF CENTERLINE, UP TO 64 FT AGL/283 FT MSL. TREES BEGINNING 2563 FT FROM DER, 250 FT RIGHT OF CENTERLINE, UP TO 56 FT AGL/279 FT MSL.

NOTE: RWY 34R, TERRAIN, AIRFIELD LIGHT, AND SIGN BEGINNING 25 FT FROM DER, 92 FT RIGHT OF CENTERLINE, UP TO 7 FT AGL/196 FT MSL. AIRFIELD LIGHT AND VEGETATION BEGINNING 26 FT FROM DER, 78 FT LEFT OF CENTERLINE, UP TO 9 FT AGL/197 FT MSL. VEHICLES ON ROAD AND POLES BEGINNING 518 FT FROM DER, 595 FT RIGHT OF CENTERLINE, UP TO 24 FT AGL/215 FT MSL. TREES BEGINNING 1759 FT FROM DER, 448 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/238 FT MSL. TREES 1859 FT FROM DER, 828 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/248 FT MSL. TREES BEGINNING 2548 FT FROM DER, 828 FT LEFT OF CENTERLINE, UP TO 54 FT AGL/283 FT MSL. TREES BEGINNING 2653 FT FROM DER, 1082 FT RIGHT OF CENTERLINE, UP TO 57 FT AGL/280 FT MSL.

CONTROLLING OBSTACLES:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

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

CHART: TOP ALTITUDE: 3000



**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
HIICH	TWO	HIICH2.HIICH	ONE	06 JUN 15	31 MAR 2016

AIRPORTS SERVED:

MANASSAS RGNL/HARRY P DAVIS FIELD

WASHINGTON, DC

COMMUNICATIONS:

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

FIXES AND/OR NAVAIDS:



**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
HIICH	TWO	HIICH2.HIICH	ONE	06 JUN 15	31 MAR 2016

REMARKS:

1. PXT VORTAC CLOSEST SUITABLE NAVAID (58.58 NM) SET AT MAGVAR 10W TO USE AS RECOMMENDED NAVAID FOR CF LEGS.
2. RADAR REQUIRED VICE RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT NOTE USED PER ATC REQUEST.
3. RWY 34L, 34R, STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 710, THEN MINIMUM CLIMB OF 335 FT PER NM TO 3800 NEEDED FOR DME/DME/IRU REQUIREMENT AT HIITCH.

CHANGES:

1. REMOVED CROSSING RESTRICITON AT STRMN.
2. ADDED THEN MINIMUM CLIMB OF 335 FT PER NM TO 3800 FOR RWY 34L, 34R.
3. ADDED REMARK FOR USE OF ADDITIONAL CLIMB GRADIENT FOR RWY 34L, 34R.

REASONS:

1. ATC/FPT REQUEST FOR PROCEDURE OPTIMIZATION.
- 2/3. DME/DME/IRU REQUIRED AT 3800 FT AT HIITCH.



DEPARTURE (DATA RECORD)

DP Name	Number	DP Computer Code					Superseded Number	Dated	Effective Date
HIICH	TWO	HIICH2.HIICH					ONE	06 JUN 15	31 MAR 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW16L (AER)	384339.72N/0773107.59W	N	-	-	-	-			
710 MSL		-	-	VA	150.61	-			CG 500 FT/NM TO 710.
GABBE	383649.74N/0773828.84W	Y	FB	DF	-	-			RIGHT TURN
HIICH	384241.33N/0774331.22W	Y	FB	TF	326.03	7.06			
RW16R (AER)	384336.15N/0773115.87W	N	-	-	-	-			
710 MSL		-	-	VA	150.61	-			CG 500 FT/NM TO 710.
GABBE	383649.74N/0773828.84W	Y	FB	DF	-	-			RIGHT TURN.
HIICH	384241.33N/0774331.22W	Y	FB	TF	326.03	7.06			
RW34L (AER)	384304.15N/0773052.86W	N	-	-	-	-			
	384430.19N/0773154.74W	-	-	VI	330.62	1.64			CG 500 FT/NM TO 710, 335 FT/NM TO 3800.
HIICH	384241.33N/0774331.22W	Y	FB	CF	258.78	9.26			RECOMMENDED NAVAID: PXT VORTAC
RW34R (AER)	384246.32N/0773029.20W	N	-	-	-	-			
	384433.10N/0773145.97W	-	-	VI	330.61	2.04			CG 500 FT/NM TO 710, 335 FT/NM TO 3800.
HIICH	384241.33N/0774331.22W	Y	FB	CF	258.62	9.38			RECOMMENDED NAVAID: PXT VORTAC
HIICH	384241.33N/0774331.22W	Y	-	IF	-	-			HIICH2.JERES
PUGLE	385336.62N/0774908.46W	Y	FB	TF	338.09	11.76			
HEFLN	390329.11N/0774508.64W	Y	FB	TF	017.51	10.35			
STRKY	391806.14N/0774254.97W	Y	FB	TF	006.75	14.71			
JERES	393834.40N/0772718.20W	Y	FB	TF	030.50	23.76			
HIICH	384241.33N/0774331.22W	Y	-	IF	-	-			HIICH2.MCRAY
PUGLE	385336.62N/0774908.46W	Y	FB	TF	338.09	11.76			
HEFLN	390329.11N/0774508.64W	Y	FB	TF	017.51	10.35			
STRKY	391806.14N/0774254.97W	Y	FB	TF	006.75	14.71			
MCRAY	393217.69N/0775138.07W	Y	FB	TF	334.57	15.71			



DEPARTURE (DATA RECORD)

DP Name		Number	DP Computer Code				Superseded Number	Dated	Effective Date
HIICH		TWO	HIICH2.HIICH				ONE	06 JUN 15	31 MAR 2016
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
HIICH	384241.33N/0774331.22W	Y	-	IF	-	-			HIICH2.OTTTO
RNLDI	384654.65N/0775439.33W	Y	FB	TF	295.89	9.68			
OTTTO	385115.81N/0781220.01W	Y	FB	TF	287.56	14.48			
HIICH	384241.33N/0774331.22W	Y	-	IF	-	-			HIICH2.RAMAY
BUNZZ	385221.37N/0775536.98W	Y	FB	TF	315.66	13.52			
RAMAY	385738.57N/0781259.01W	Y	FB	TF	291.38	14.55			
HIICH	384241.33N/0774331.22W	Y	-	IF	-	-			HIICH2.WOOLY
PUGLE	385336.62N/0774908.46W	Y	FB	TF	338.09	11.76			
HEFLN	390329.11N/0774508.64W	Y	FB	TF	017.51	10.35			
STRMN	391259.28N/0773439.77W	Y	FB	TF	040.61	12.52			
WOOLY	392019.18N/0770211.17W	Y	FB	TF	073.63	26.26			

QUALITY
3
CHECKED