

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SUPERSEDED NUMBER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>
HARYS	SIX	HARYS6.HARYS	FIVE	02/20/2025	

<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 16R: CLIMB ON HEADING 163.51 TO INTERCEPT COURSE 109.01 TO CROSS DSSRT AT OR ABOVE 3000, THEN ON TRACK 109.00 OR AS ASSIGNED BY ATC FOR VECTORS TO CROSS BSHOW AT OR ABOVE 6000, THEN ON TRACK 337.27 TO HARYS, THEN ON TRANSITION. MAINTAIN FL230. EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

ALL AIRCRAFT: ATC CLIMB GRADIENT: IF UNABLE TO ACCEPT CLIMB RATE ADVISE ATC PRIOR TO TAXI. RWY 16R: ATC CLIMB RATE OF 600 FT/NM TO 3000.

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>
BLYTHE	HARYS6.BLH	HARYS	SLAPP	TRACK 027.51	9.58	7100	6300	SLAPP AT/ABOVE 13000
		SLAPP	YAAPY	TRACK 027.59	15.62	13000	7500	YAAPY AT/ABOVE 15000
		YAAPY	JETHK	TRACK 066.34	8.01	15000	4900	
		JETHK	AERRO	TRACK 103.30	51.29	15000	10500	
		AERRO	DECAS	TRACK 098.29	84.33	15000	12200	
HAILO	HARYS6.HAILO	DECAS	BLH VORTAC	TRACK 099.19	37.38	15000	5800	
		HARYS	SLAPP	TRACK 027.51	9.58	7100	6300	SLAPP AT/ABOVE 13000
		SLAPP	YAAPY	TRACK 027.59	15.62	13000	7500	YAAPY AT/ABOVE 15000
		YAAPY	JETHK	TRACK 066.34	8.01	15000	4900	
		JETHK	BBITE	TRACK 073.76	10.59	15000	5900	
		BBITE	ANTLP	TRACK 075.23	12.39	15000	6400	
		ANTLP	GUNNR	TRACK 057.13	27.54	15000	6300	
		GUNNR	ARMY	TRACK 035.41	16.52	17000	6800	
HECTOR	HARYS6.HEC	ARMY	HAILO	TRACK 035.44	51.05	17000	7500	
		HARYS	SLAPP	TRACK 027.51	9.58	7100	6300	SLAPP AT/ABOVE 13000

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HARYS		SIX	HARYS6.HARYS	FIVE		02/20/2025		
		SLAPP	YAAPY	TRACK 027.59	15.62	13000	7500	YAAPY AT/ABOVE 15000
		YAAPY	JETHK	TRACK 066.34	8.01	15000	4900	
		JETHK	BBITE	TRACK 073.76	10.59	15000	5900	
		BBITE	ANTLP	TRACK 075.23	12.39	15000	6400	
		ANTLP	HEC VORTAC	TRACK 072.22	51.92	15000	7700	
LAS VEGAS	HARYS6.LAS	HARYS	SLAPP	TRACK 027.51	9.58	7100	6300	SLAPP AT/ABOVE 13000
		SLAPP	YAAPY	TRACK 027.59	15.62	13000	7500	YAAPY AT/ABOVE 15000
		YAAPY	JETHK	TRACK 066.34	8.01	15000	4900	
		JETHK	BBITE	TRACK 073.76	10.59	15000	5900	
		BBITE	ANTLP	TRACK 075.23	12.39	15000	6400	
		ANTLP	NNAVY	TRACK 060.08	40.46	15000	6300	
		NNAVY	BLAZN	TRACK 035.24	63.19	17000	6700	
		BLAZN	LAS VORTAC	TRACK 036.23	40.41	17000	9800	
MISEN	HARYS6.MISEN	HARYS	SLAPP	TRACK 027.51	9.58	7100	6300	SLAPP AT/ABOVE 13000
		SLAPP	YAAPY	TRACK 027.59	15.62	13000	7500	YAAPY AT/ABOVE 15000
		YAAPY	JETHK	TRACK 066.34	8.01	15000	4900	
		JETHK	BBITE	TRACK 073.76	10.59	15000	5900	
		BBITE	ANTLP	TRACK 075.23	12.39	15000	6400	
		ANTLP	NNAVY	TRACK 060.08	40.46	15000	6300	
		NNAVY	MISEN	TRACK 043.49	19.37	15000	5500	

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

TURBOJET AND HIGH PERFORMANCE TURBOPROP AIRCRAFT ONLY.
MISEN TRANSITION RESTRICTED TO AIRCRAFT LANDING LAS TERMINAL AREA.



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HARYS	SIX	HARYS6.HARYS	FIVE	02/20/2025	

DO NOT FILE HAILO TRANSITION - TO BE ASSIGNED BY ATC.
CROSS DER/VNY VOR/DME 1.5 DME SOUTH AT OR BELOW 1750.

TAKEOFF MINIMUMS:

RWY 16R: STANDARD WITH MINIMUM CLIMB OF 540 FT/NM TO 1302.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

MSA:

VNY, 9300

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: FL230

AIRPORT MV: VNY 12E/2020

DME/DME ASSESSMENT SAT: RNP (2.0)

CHART: MINIMUM CROSSING ALTITUDE AT BSHOW-6000.

CHART: VNY VOR/DME 1.5 DME ARC.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
VNY	VAN NUYS	CA

COMMUNICATIONS:

CHART: ATIS, CLNC DEL, GND CON, TOWER.

FIXES AND/OR NAVAIDS:

REMARKS:

AFS APPROVAL LETTER FOR ATC CG TO 3000' CROSSING RESTRICTION AT DSSRT.

WAIVER ON FILE AUTHORIZING CROSSING RESTRICTION OF AT OR BELOW 1750 AT DER THAT PROVIDES LESS THAN 1000' OF ROC OVER HIGHEST OBSTACLE.

WAIVER REQUEST TO PERMIT ESTABLISH A NON-OBSTACLE BASED CLIMB GRADIENT FOR ATC.

100 FT VEG USED PER FPT.

MSA CONTROLLING OBSTACLE: AAO 342012.00N/1175612.00W 8239 MSL.

MEAS BASED ON DME/DME EVALUATION.

589 FT/NM CG IS REQUIRED FROM THE DER TO MEET THE 3000' CROSSING RESTRICTION AT DSSRT.

540 FT/NM CG REQUIRED TO MEET THE LNAV ENGAGEMENT ALTITUDE PRIOR TO TURNING TO DSSRT.

ORDER 8260.3G, LEGACY ICA USED FOR DESIGN AND EVALUATION.



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

DP NAME					NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
HARYS					SIX	HARYS6.HARYS	FIVE	02/20/2025	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW16R (AER)*	341253.96N/1182927.13W*	N	-	-	-	-			*DISPL THLD (1431 FT)
-	341047.41N/1182915.17W	-	-	VI	175.51	2.11			CG 540 FT/NM TO 1302
DSSRT	340920.78N/1182621.62W	Y	FO	CF	121.01	2.80	AT/ABOVE 3000		
DSSRT	340920.78N/1182621.62W	-	-	FM	121.00	-			
BSHOW	341425.74N/1182554.22W	Y	-	IF	-	-	AT/ABOVE 6000		
HARYS	342025.96N/1182716.49W	Y	FB	TF	349.27	6.10			
HARYS	342025.96N/1182716.49W	Y	-	IF	-	-			HARYS6.BLH
SLAPP	342750.14N/1181954.07W	Y	FB	TF	039.51	9.58	AT/ABOVE 13000		
YAAPY	343953.00N/1180750.00W	Y	FB	TF	039.59	15.62	AT/ABOVE 15000		
JETHK	344129.87N/1175819.35W	Y	FB	TF	078.34	8.01			
AERRO	341919.37N/1170220.21W	Y	FB	TF	115.30	51.29			
DECAS	334924.93N/1152723.80W	Y	FB	TF	110.29	84.33			
BLH VORTAC	333545.83N/1144540.58W	Y	FB	TF	111.19	37.38			
HARYS	342025.96N/1182716.49W	Y	-	IF	-	-			HARYS6.HAILO
SLAPP	342750.14N/1181954.07W	Y	FB	TF	039.51	9.58	AT/ABOVE 13000		
YAAPY	343953.00N/1180750.00W	Y	FB	TF	039.59	15.62	AT/ABOVE 15000		
JETHK	344129.87N/1175819.35W	Y	FB	TF	078.34	8.01			
BBITE	344216.22N/1174530.87W	Y	FB	TF	085.76	10.59			
ANTLP	344251.26N/1173029.82W	Y	FB	TF	087.23	12.39			

QUALITY

QUALITY
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CHECKED

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HARYS		SIX		HARYS6.HARYS		FIVE		02/20/2025	
<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>
GUNNR	345237.00N/1165913.00W	Y	FB	TF	069.13	27.54			
ARMY	350348.00N/1164424.00W	Y	FB	TF	047.41	16.52			
HAILO	353814.00N/1155816.00W	Y	FB	TF	047.44	51.05			
HARYS	342025.96N/1182716.49W	Y	-	IF	-	-			HARYS6.HEC
SLAPP	342750.14N/1181954.07W	Y	FB	TF	039.51	9.58	AT/ABOVE 13000		
YAAPY	343953.00N/1180750.00W	Y	FB	TF	039.59	15.62	AT/ABOVE 15000		
JETHK	344129.87N/1175819.35W	Y	FB	TF	078.34	8.01			
BBITE	344216.22N/1174530.87W	Y	FB	TF	085.76	10.59			
ANTLP	344251.26N/1173029.82W	Y	FB	TF	087.23	12.39			
HEC VORTAC	344749.26N/1162746.52W	Y	FB	TF	084.22	51.92			
HARYS	342025.96N/1182716.49W	Y	-	IF	-	-			HARYS6.LAS
SLAPP	342750.14N/1181954.07W	Y	FB	TF	039.51	9.58	AT/ABOVE 13000		
YAAPY	343953.00N/1180750.00W	Y	FB	TF	039.59	15.62	AT/ABOVE 15000		
JETHK	344129.87N/1175819.35W	Y	FB	TF	078.34	8.01			
BBITE	344216.22N/1174530.87W	Y	FB	TF	085.76	10.59			
ANTLP	344251.26N/1173029.82W	Y	FB	TF	087.23	12.39			
NNAVY	345510.68N/1164340.88W	Y	FB	TF	072.08	40.46			
BLAZN	353755.21N/1154646.06W	Y	FB	TF	047.24	63.19			
LAS VORTAC	360446.93N/1150935.27W	Y	FB	TF	048.23	40.41			
HARYS	342025.96N/1182716.49W	Y	-	IF	-	-			HARYS6.MISEN
SLAPP	342750.14N/1181954.07W	Y	FB	TF	039.51	9.58	AT/ABOVE 13000		



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HARYS		SIX		HARYS6.HARYS		FIVE		02/20/2025	
<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>
YAAPY	343953.00N/1180750.00W	Y	FB	TF	039.59	15.62	AT/ABOVE 15000		
JETHK	344129.87N/1175819.35W	Y	FB	TF	078.34	8.01			
BBITE	344216.22N/1174530.87W	Y	FB	TF	085.76	10.59			
ANTLP	344251.26N/1173029.82W	Y	FB	TF	087.23	12.39			
NNAVY	345510.68N/1164340.88W	Y	FB	TF	072.08	40.46			
MISEN	350608.46N/1162413.86W	Y	FB	TF	055.49	19.37			