

**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SUPERSEDED NUMBER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	FOUR	HARYS4.HARYS	THREE	12/05/2019	21MAY2020
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RUNWAY 16R: CLIMB ON HEADING 163.51 TO 1303, THEN DIRECT PPRRY, THEN ON HEADING 110.00 OR AS ASSIGNED BY ATC, THEN ON VECTORS TO CROSS BSHOW AT OR ABOVE 6000, THEN ON TRACK 337.27 TO HARYS, THENCE...

...ON (TRANSITION) MAINTAIN FL230. EXPECT FILED ALTITUDE 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>
BLYTHE	HARYS4.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 AT/BELOW FL190
		JETHK	AERRO	TRACK 103.30	51.29	15000	10500	
		AERRO	DECAS	TRACK 098.29	84.33	15000	12200	
		DECAS	BLH VORTAC	TRACK 099.19	37.38	15000	5900	
HAILO	HARYS4.HAILO	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 AT/BELOW FL190
		JETHK	BBITE	TRACK 073.76	10.59	15000	5900	BBITE AT/ABOVE FL200
		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	15000	6800	
		ARMY	HAILO	TRACK 035.44	51.05	15000	7500	
HECTOR	HARYS4.HEC	HARYS	SLAPP	TRACK 027.51	9.58	7100	6300	SLAPP AT/ABOVE 13000

QUALITY
24
CHECKED

DP NAME		NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE
HARYS		FOUR	HARYS4.HARYS	THREE		12/05/2019		21MAY2020
		SLAPP	YAAPY	TRACK 027.59	15.62	13000	7500	YAAPY AT/ABOVE 15000
		YAAPY	JETHK	TRACK 066.34	8.01	15000	4900	JETHK AT/BELOW FL190
		JETHK	BBITE	TRACK 073.76	10.59	15000	5900	BBITE AT/ABOVE FL200
		BBITE	ANTLP	TRACK 075.23	12.39	15000	6400	
		ANTLP	HEC VORTAC	TRACK 072.22	51.92	15000	7700	
LAS VEGAS	HARYS4.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 AT/BELOW FL190
		JETHK	BBITE	TRACK 073.76	10.59	15000	5900	BBITE AT/ABOVE FL200
		BBITE	ANTLP	TRACK 075.23	12.39	15000	6400	
		ANTLP	NNAVY	TRACK 060.07	40.46	15000	6300	
		NNAVY	BLAZN	TRACK 035.24	63.19	15000	6800	
		BLAZN	LAS VORTAC	TRACK 036.23	40.41	15000	9800	
MISEN	HARYS4.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 AT/BELOW FL190
		JETHK	BBITE	TRACK 073.76	10.59	15000	5900	BBITE AT/ABOVE FL200
		BBITE	ANTLP	TRACK 075.23	12.39	15000	6400	
		ANTLP	NNAVY	TRACK 060.07	40.46	15000	6300	
		NNAVY	MISEN	TRACK 043.49	19.37	15000	5500	

PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: TURBOJET AND HIGH PERFORMANCE TURBOPROP AIRCRAFT ONLY

NOTE: MISEN TRANSITION RESTRICTED TO AIRCRAFT LANDING LAS TERMINAL AREA.

NOTE: HAILO TRANSITION ATC ONLY

NOTE: CROSS DER/VNY VOR/DME 1.5 DME SOUTH AT OR BELOW 1750



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HARYS	FOUR	HARYS4.HARYS	THREE	12/05/2019	21MAY2020

TAKEOFF MINIMUMS:

RWY 16L, 34L/R: N/A-ATC

RWY 16R: STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 2600

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 16R, 2159 FT MSL AAO 340743.75N/1183045.87W

LOST COMMUNICATIONS PROCEDURES:**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE FL230

REFERENCE MAG VAR: KVN 12E EPOCH YR: 2020

DME/DME ASSESSMENT SAT: RNP (2.0)

DO NOT CHART MOCAS.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
VAN NUYS	KVNY	VAN NUYS	CA

COMMUNICATIONS:

ATIS, CLNC DEL, GND CON, VNY TOWER, SOCAL DEP CON

FIXES AND/OR NAVAIDS:**REMARKS:**

1. CARRY OVER FROM HARYS1: MOCAS NOT CHARTED PER ATC TO REDUCE CHART CLUTTER.

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

FLIGHT INSPECTED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

OFFICE**DATE**

Digitally signed by

DAVID TEFFETELLER

Jan 27, 2020

DEVELOPED BY

JAMES LAFFERTY

Digitally signed by

JAMES LAFFERTY

Jan 17, 2020

OFFICE

AJV-A433

DATE

12/04/2019

APPROVED BY

GEORGE DAVIS

Digitally signed by

DAVID TEFFETELLER

Jan 27, 2020

OFFICE

AJV-A430

DATE**TITLE**

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:**A4A** ☐**ALPA** ☒**AOPA** ☒**APA** ☐**HAI** ☐**NBAA** ☒**OTHER:** ZLA, SOCAL APP/DEP CON, APT MGR, OR AERO DIV, VNY ATCT

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CHANGES - REASONS:

1. ADDED VNY TOWER TO COMMUNICATIONS - LEFT OFF PREVIOUS EDITIONS.
2. CHANGED MISEN TRANSITION CHART NOTE FROM "...LANDING LAS COMPLEX," TO "...LANDING LAS TERMINAL AREA."--LAS VEGAS METROPLEX REQUEST.



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

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
HARYS						FOUR	HARYS4.HARYS	THREE	12/05/2019	21MAY2020
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS	
RW16R (AER)*	341253.96N/1182927.13W	N	-	-	-	-			*DISPL THLD (1431.642 FT)	
AT/ABOVE1303 MSL	-	-	-	VA	175.51	-			CG 450 FT/NM TO 2600	
PPRRY	341034.88N/1182913.99W	Y	FO	DF	-	-				
	-	-	-	VM	122.00					
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	-	-			HARYS4.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	AT/BELOW FL190			
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	-	-			HARYS4.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	AT/BELOW FL190			
BBITE	344216.22N/1174530.87W	Y	FB	TF	085.76	10.59	AT/ABOVE FL200			
ANTLP	344251.26N/1173029.82W	Y	FB	TF	087.23	12.39				

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HARYS		FOUR		HARYS4.HARYS		THREE		12/05/2019	21MAY2020
<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	-	-			HARYS4.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	AT/BELOW FL190		
BBITE	344216.22N/1174530.87W	Y	FB	TF	085.76	10.59	AT/ABOVE FL200		
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	-	-			HARYS4.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	AT/BELOW FL190		
BBITE	344216.22N/1174530.87W	Y	FB	TF	085.76	10.59	AT/ABOVE FL200		
ANTLP	344251.26N/1173029.82W	Y	FB	TF	087.23	12.39			
NNAVY	345510.68N/1164340.88W	Y	FB	TF	072.07	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					HARYS4.MISEN
SLAPP	342750.14N/1181954.07W	Y	FB	TF	039.51	9.58	AT/ABOVE 13000		

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HARYS		FOUR		HARYS4.HARYS		THREE		12/05/2019	21MAY2020
<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	343053.00N/1180750.00W	Y	FB	TF	039.59	15.62	AT/ABOVE 15000		
JETHK	344129.87N/1175819.35W	Y	FB	TF	078.34	8.01	AT/BELOW FL190		
BBITE	344216.22N/1174530.87W	Y	FB	TF	085.76	10.59	AT/ABOVE FL200		
ANTLP	344251.26N/1173029.82W	Y	FB	TF	087.23	12.39			
NNAVY	345510.68N1164340.88W	Y	FB	TF	072.07	40.46			
MISEN	350608.46N/1162413.86W	Y	FB	TF	055.49	19.37			

