

**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SUPERSEDED NUMBER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>
OYODA	ONE	OYODA1.OYODA	NONE		25FEB2021

<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 17R: CLIMB ON HEADING 167.57 TO INTERCEPT COURSE 199.41 TO CAVER, THEN ON TRACK 160.18 TO CROSS BOYTT AT OR BELOW 6000, THEN ON TRACK 160.19 TO CROSS OYODA AT OR ABOVE 7300, THENCE ...

TAKEOFF RWY 35L: CLIMB ON HEADING 347.57 TO INTERCEPT COURSE 072.11 TO KITEE, THEN ON TRACK 148.01 TO CROSS JAMIA AT 6000, THEN ON TRACK 188.57 TO ZIGLR, THEN ON TRACK 224.83 TO CROSS OYODA AT OR ABOVE 7300, THENCE ...

... (TRANSITION). 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>
BOJAC	OYODA1.BOJAC	OYODA	JFFAR	TRACK 232.18	7.66	7500		
		JFFAR	RADYR	TRACK 215.49	6.90	9000	7300	RADYR AT/ABOVE 9500
		RADYR	DOYYL	TRACK 163.67	29.36	10000		
		DOYYL	BOJAC	TRACK 096.19	43.57	10000	8500	
BLYTHE	OYODA1.BLH	OYODA	JFFAR	TRACK 232.18	7.66	7500		
		JFFAR	RADYR	TRACK 215.49	6.90	9000	7300	RADYR AT/ABOVE 9500
		RADYR	DOYYL	TRACK 163.67	29.36	10000		
		DOYYL	ZELMA	TRACK 163.72	20.18	10000	8500	
KENNO	OYODA1.KENNO	ZELMA	BLH VORTAC	TRACK 145.14	76.54	10000	7500	
		OYODA	JFFAR	TRACK 232.18	7.66	7500		
		JFFAR	JOHKR	TRACK 278.64	34.41	10000	7900	JOHKR AT/BELOW FL190
		JOHKR	GRYMZ	TRACK 301.97	32.86	10000	8600	
		GRYMZ	DEDPL	TRACK 303.14	13.50	12000	8900	
		DEDPL	BIKKR	TRACK 304.50	9.95	12000	8600	

**QUALITY
24
CHECKED**

DP NAME			NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED		ACTUAL EFFECTIVE DATE
OYODA			ONE	OYODA1.OYODA	NONE			25FEB2021
		BIKKR		CAGEE	TRACK 304.42	13.86	14000	7700
								CAGEE AT/ABOVE 14000
		CAGEE		KENNO	TRACK 319.52	37.95	14000	10900
HECTOR	OYODA1.HEC	OYODA		JFFAR	TRACK 232.18	7.66	7500	
		JFFAR		RADYR	TRACK 215.49	6.90	9000	7300
								RADYR AT/ABOVE 9500
		RADYR		SLVRR	TRACK 214.89	23.51	11000	10500
		SLVRR		TOPAC	TRACK 214.12	12.68	11000	7500
		TOPAC		HEC VORTAC	TRACK 214.37	35.65	11000	6800
LVELL	OYODA1.LVELL	OYODA		JFFAR	TRACK 232.18	7.66	7500	
		JFFAR		RADYR	TRACK 215.49	6.90	9000	7300
								RADYR AT/ABOVE 9500
		RADYR		DOYYL	TRACK 163.67	29.36	10000	
		DOYYL		ZELMA	TRACK 163.72	20.18	10000	8500
		ZELMA		JOTNU	TRACK 186.91	29.13	10000	6800
		JOTNU		LVELL	TRACK 198.53	8.11	10000	6800
BLAQQ	OYODA1.BLAQQ	OYODA		JFFAR	TRACK 232.18	7.66	7500	
		JFFAR		RADYR	TRACK 215.49	6.90	9000	7300
								RADYR AT/ABOVE 9500
		RADYR		BLAQQ	TRACK 163.61	10.05	10000	7700
SLVRR	OYODA1.SLVRR	OYODA		JFFAR	TRACK 232.18	7.66	7500	
		JFFAR		RADYR	TRACK 215.49	6.90	9000	7300
								RADYR AT/ABOVE 9500
		RADYR		SLVRR	TRACK 214.89	23.51	11000	10500

PROCEDURAL DATA NOTES:

NOTE: RNAV 1
NOTE: TURBOJETS ONLY
NOTE: GPS REQUIRED.

TAKEOFF MINIMUMS:

RWY 17L, 35R: NA - ATC.
RWY 17R: STANDARD WITH MINIMUM CLIMB OF 560 FT PER NM TO 4900.
RWY 35L: STANDARD WITH MINIMUM CLIMB OF 500 FT PER NM TO 2992 THEN 475 FT PER NM TO 5300.

QUALITY
24
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OYODA	ONE	OYODA1.OYODA	NONE		25FEB2021

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 17R: 4170 FT MSL AAO 355349.56N/1150830.45W (CLIMB GRADIENT), 4386 FT MSL AAO 355300.93N/1150710.81W (CLIMB-TO ALTITUDE).

RWY 35L: 4606 FT MSL TOWER 355645.08N/1150238.31W.

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

DO NOT CHART MOCAS - REQUESTED BY FLIGHT INSPECTION

CHART: TOP ALTITUDE: ASSIGNED BY ATC.

REFERENCE MAG VAR: KHND 13E EPOCH YR: 2005.

DME/DME ASSESSMENT: UNSAT.

CHART: KLAS

CHART: KLAS RWY 26L

CHART: KLAS RWY 26L LOC

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
HENDERSON EXECUTIVE	KHND	LAS VEGAS	NV

COMMUNICATIONS:

ATIS, GND CON, TWR, LAS DEP CON

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

MAXIMUM ALTITUDE AT BOYTT AND MANDATORY ALTITUDE AT JAMIA DUE TO ATC REQUEST FOR OVERFLIGHTS AT 7000.

CROSSING ALTITUDES AT OYODA (7300) AND RADYR (9500) BASED ON OBSTACLES DUE TO MAXIMUM ALTITUDE 6000 AT BOYTT AND SUBSEQUENT ENROUTE CRITERIA APPLICATION.

FLIGHT INSPECTED BY*Digitally signed by***DAVID DANNER**

May 07, 2020

OFFICE

FIOG

DATE

3/12/2020

DANIEL FAVORITE

DEVELOPED BY*Digitally signed by***RUSSELL ROSLEWSKI**

Apr 29, 2020

OFFICE

AJV-A421

DATE

12/23/2019

RUSS ROSLEWSKI

APPROVED BY*Digitally signed by***DAVID DANNER**

May 07, 2020

OFFICE

AJV-A420

DATE**TITLE**

MANAGER

MARLON ROBINSON

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:**ZLA, LAS APP CON, HND ATCT, CLARK COUNTY**CHANGES - REASONS:**

ORIGINAL PROCEDURE

QUALITY
24
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
OYODA	ONE	OYODA1.OYODA	NONE		25FEB2021

02/24/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/23/19.

1. BLYTHE AND LVELL TRANSITIONS, REMOVED FIX BLAQQ AND UPDATED RADYR TO DOYLL COURSE/DISTANCE/MOCA TO 163.67/29.36/10000 - CHART CONFUSION IDENTIFIED BY FLIGHT INSPECTION.

02/26/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/23/19.

1. DP ROUTE DESCRIPTION, REMOVED "MAINTAIN 6000" - ATC REQUEST DUE TO HIGHER OBSTACLE-DRIVEN MINIMUM CROSSING ALTITUDES AT OYODA AND RADYR/

2. ADDITIONAL FLIGHT DATA, CHANGED "TOP ALTITUDE: 6000" TO "TOP ALTITUDE: ASSIGNED BY ATC" - ATC REQUEST DUE TO HIGHER OBSTACLE-DRIVEN MINIMUM CROSSING ALTITUDES AT OYODA AND RADYR.

04/29/20: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/23/19.

1. ADDITIONAL FLIGHT DATA, ADDED "DO NOT CHART MOCAS - REQUESTED BY FLIGHT INSPECTION.



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

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
OYODA				ONE		OYODA1.OYODA		NONE				25FEB2021	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
RW17R (AER)	355851.22N/1150807.13W	N	-	-	-	-							
	355646.83N/1150808.66W		-	VI	180.57	2.07			CG 560 FT PER NM TO 4900				
CAVER	355431.82N/1150954.08W	Y	FB	CF	212.41	2.66							
BOYTT	355014.56N/1150916.29W	Y	FB	TF	173.18	4.31	AT/BELOW 6000						
OYODA	354420.70N/1150824.43W	Y	FB	TF	173.19	5.93	AT/ABOVE 7300						
RW35L (AER)	355746.95N/1150807.92W	N	-	-	-	-							
	360002.11N/1150806.26W		-	VI	000.57	2.25			CG 500 FT PER NM TO 2992 THEN 475 FT PER NM TO 5300				
KITEE	360036.04N/1150001.69W	Y	FB	CF	085.11	6.58							
JAMIA	355425.01N/1145724.77W	Y	FB	TF	161.01	6.53	AT 6000						
ZIGLR	354831.16N/1150016.49W	Y	FB	TF	201.57	6.33							
OYODA	354420.70N/1150824.43W	Y	FB	TF	237.83	7.82	AT/ABOVE 7300						
OYODA	354420.70N/1150824.43W	Y	-	IF	-	-	AT/ABOVE 7300		OYODA1.BOJAC				
JFFAR	354107.21N/1151656.38W	Y	FB	TF	245.18	7.66							
RADYR	353632.42N/1152316.35W	Y	FB	TF	228.49	6.90	AT/ABOVE 9500						
DOYYL	350711.04N/1152111.64W	Y	FB	TF	176.67	29.36							
BOJAC	345239.92N/1143111.04W	Y	FB	TF	109.19	43.57							

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OYODA		ONE		OYODA1.OYODA		NONE			25FEB2021
<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>
OYODA	354420.70N/1150824.43W		-	IF	-	-	AT/ABOVE 7300		OYODA1.BLH
JFFAR	354107.21N/1151656.38W	Y	FB	TF	245.18	7.66			
RADYR	353632.42N/1152316.35W	Y	FB	TF	228.49	6.90	AT/ABOVE 9500		
DOYYL	350711.04N/1152111.64W	Y	FB	TF	176.67	29.36			
ZELMA	344659.99N/1151947.51W	Y	FB	TF	176.72	20.18			
BLH VORTAC	333545.83N/1144540.58W	Y	FB	TF	158.14	76.54			
OYODA	354420.70N/1150824.43W	Y	-	IF	-	-	AT/ABOVE 7300		OYODA1.KENNO
JFFAR	354107.21N/1151656.38W	Y	FB	TF	245.18	7.66			
JOHKR	355343.51N/1155618.66W	Y	FB	TF	291.64	34.41	AT/BELOW FL190		
GRYMZ	361655.44N/1162503.92W	Y	FB	TF	314.97	32.86			
DEDPL	362639.73N/1163639.53W	Y	FB	TF	316.14	13.50			
BIKKR	363400.00N/1164500.00W	Y	FB	TF	317.50	9.95			
CAGEE	364412.42N/1165639.93W	Y	FB	TF	317.42	13.86	AT/ABOVE 14000		
KENNO	371753.37N/1171836.81W	Y	FB	TF	332.52	37.95			
OYODA	354420.70N/1150824.43W	Y	-	IF	-	-	AT/ABOVE 7300		OYODA1.HEC
JFFAR	354107.21N/1151656.38W	Y	FB	TF	245.18	7.66			
RADYR	353632.42N/1152316.35W	Y	FB	TF	228.49	6.90	AT/ABOVE 9500		
SLVRR	352043.39N/1154435.31W	Y	FB	TF	227.89	23.51			
TOPAC	351204.47N/1155555.36W	Y	FB	TF	227.12	12.68			
HEC VORTAC	344749.26N/1162746.52W	Y	FB	TF	227.37	35.65			
OYODA	354420.70N/1150824.43W	Y	-	IF	-	-	AT/ABOVE 7300		OYODA1.LVELL

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24
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OYODA		ONE		OYODA1.OYODA		NONE			25FEB2021
<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>
JFFAR	354107.21N/1151656.38W	Y	FB	TF	245.18	7.66			
RADYR	353632.42N/1152316.35W	Y	FB	TF	228.49	6.90	AT/ABOVE 9500		
DOYYL	350711.04N/1152111.64W	Y	FB	TF	176.67	29.36			
ZELMA	344659.99N/1151947.51W	Y	FB	TF	176.72	20.18			
JOTNU	341933.11N/1153146.29W	Y	FB	TF	199.91	29.13			
LVELL	341237.38N/1153653.25W	Y	FB	TF	211.53	8.11			
OYODA	354420.70N/1150824.43W	Y	-	IF	-	-	AT/ABOVE 7300		OYODA1.BLAQQ
JFFAR	354107.21N/1151656.38W	Y	FB	TF	245.18	7.66			
RADYR	353632.42N/1152316.35W	Y	FB	TF	228.49	6.90	AT/ABOVE 9500		
BLAQQ	352629.38N/1152232.76W	Y	FB	TF	176.61	10.05			
OYODA	354420.70N/1150824.43W	Y	-	IF	-	-	AT/ABOVE 7300		OYODA1.SLVRR
JFFAR	354107.21N/1151656.38W	Y	FB	TF	245.18	7.66			
RADYR	353632.42N/1152316.35W	Y	FB	TF	228.49	6.90	AT/ABOVE 9500		
SLVRR	352043.39N/1154435.31W	Y	FB	TF	227.89	23.51			

QUALITY
24
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