

**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SUPERSEDED NUMBER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>
JOHKR	TWO	JOHKR2.JOHKR	ONE	02/25/2021	
<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 1L/R: CLIMB ON HEADING 013.92 TO 2682, THEN LEFT TURN DIRECT BESSY AT OR ABOVE 5000, THEN ON TRACK 190.61 TO HRRLY, THEN ON TRACK 190.34 TO KWYYN, THEN ON TRACK 263.06 TO CROSS RAWKK AT OR ABOVE 13000, THEN ON TRACK 263.08 TO JOHKR, THENCE...

TAKEOFF RWY 8L: CLIMB ON HEADING 078.93 TO INTERCEPT COURSE 090.10 TO CROSS FLAAR AT OR ABOVE 6000, THEN ON TRACK 151.75 TO CROSS HNIBL AT OR ABOVE 8000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 211.35 TO VMPRE, THEN ON TRACK 260.34 TO JOHKR, THENCE...

TAKEOFF RWY 8R: CLIMB ON HEADING 078.93 TO 2682, THEN DIRECT SCAAR, THEN ON TRACK 089.96 TO CROSS FLAAR AT OR ABOVE 6000, THEN ON TRACK 151.75 TO CROSS HNIBL AT OR ABOVE 8000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 211.35 TO VMPRE, THEN ON TRACK 260.34 TO JOHKR, THENCE...

TAKEOFF RWY 19L/R: CLIMB ON HEADING 193.92 TO 2682, THEN DIRECT DEREW AT OR BELOW 7000, THEN ON TRACK 188.00 TO CARNG, THEN ON TRACK 218.00 TO COMIC, THEN ON TRACK 224.34 TO MGNT0, THEN ON TRACK 260.48 TO CROSS KRUGR AT OR BELOW 11000, THEN ON TRACK 260.37 TO JOHKR, THENCE...

TAKEOFF RWY 26L: CLIMB ON HEADING 258.95 TO 2682, THEN DIRECT SILTT, THEN ON TRACK 252.89 TO CROSS RUDYY AT OR ABOVE 4000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 189.39 TO CROSS SELLZ AT OR BELOW 8000, THEN ON TRACK 197.02 TO MGNT0, THEN ON TRACK 260.48 TO CROSS KRUGR AT OR BELOW 11000, THEN ON TRACK 260.37 TO JOHKR, THENCE...

TAKEOFF RWY 26R: CLIMB ON HEADING 258.95 TO INTERCEPT COURSE 248.80 TO CROSS RUDYY AT OR ABOVE 4000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 189.39 TO CROSS SELLZ AT OR BELOW 8000, THEN ON TRACK 197.02 TO MGNT0, THEN ON TRACK 260.48 TO CROSS KRUGR AT OR BELOW 11000, THEN ON TRACK 260.37 TO JOHKR, THENCE...

...ON (TRANSITION), MAINTAIN FL190. 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>
KENNO	JOHKR2.KENNO	JOHKR	GRYMZ	TRACK 303.97	32.86	21000	8600	
		GRYMZ	DEDPL	TRACK 305.14	13.50	21000	9000	
		DEDPL	BIKKR	TRACK 306.50	09.95	21000	8700	
		BIKKR	CAGEE	TRACK 306.42	13.86	25000	7700	
		CAGEE	KENNO	TRACK 321.52	37.95	25000	11000	

PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: RADAR REQUIRED.



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JOHKR	TWO	JOHKR2.JOHKR	ONE	02/25/2021	

TAKEOFF MINIMUMS:

RWY 1L: STANDARD WITH MINIMUM CLIMB OF 514 FEET PER NM TO 4900.
RWY 1R: STANDARD WITH MINIMUM CLIMB OF 526 FEET PER NM TO 4800.
RWY 8L/R: STANDARD WITH MINIMUM CLIMB OF 500 FEET PER NM TO 2682, THEN 219 FEET PER NM TO 6300.
RWY 19L/R: STANDARD WITH MINIMUM CLIMB OF 500 FEET PER NM TO 2682, THEN 334 FEET PER NM TO 8900.
RWY 26L/R: STANDARD WITH MINIMUM CLIMB OF 500 FEET PER NM TO 2682, THEN 345 FEET PER NM TO 8900.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 1L/R: 3229 FT MSL MONUMENT 360850.71N/1150919.85W (CG), 7120 FT MSL AAO 355520.59N/1153039.49W (CGTA).
RWY 8L/R: 5258 FT MSL AAO 355418.26N/1150240.82W.
RWY 19L/R, 26L/R: 7800 FT MSL AAO 355608.91N/1152948.46W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: FL190.
DME/DME/IRU ASSESSMENT: SAT (RNP 2.0)
REFERENCE MAGVAR: KLAS 11E/2020

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
MC CARRAN INTL	KLAS	LAS VEGAS	NV

COMMUNICATIONS:

D-ATIS, CLNC DEL, CPDLC, TWR, DEP CON, GND CON.

FIXES AND/OR NAVAIDS:

REMARKS:

ABBREVIATED AMENDMENTC

HISTORICAL TAILWINDS FOR RWY 1L/R TRANSITIONS. APPROVAL LETTER ON FILE FOR RWY 1L/R FOR CG IN EXCESS OF 500 FEET PER NM.

FLIGHT INSPECTED BY

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJF-10) MEMO, APRIL 29, 2020 SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED.

OFFICE

DATE

Digitally signed by
ALLAN WILL
Apr 21, 2021

DEVELOPED BY

Digitally signed by
KELLIE R BARNES
Apr 14, 2021

OFFICE

DATE

AJV-A423 04/14/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by
ALLAN WILL
Apr 21, 2021

OFFICE

DATE

TITLE
MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
JOHKR	TWO	JOHKR2.JOHKR	ONE	02/25/2021	

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZLA, LAS APP CON, APT MGR

CHANGES - REASONS:

1. CHANGED ALL COMPUTER CODE NUMBERS FROM 1 TO 2 - NEW AMENDMENT
2. REPLACED 07.84 WITH "-" ON 8260.15C RW08R SCAAR LEG - CORRECT DOCUMENTATION ERROR
3. CHANGED 08.69 TO 07.84 ON 8260.15C RW08R FLAAR LEG - CORRECT DOCUMENTATION ERROR
4. ADDED "ABBREVIATED AMENDMENT" TO REMARKS - 8260.46G APPENDIX E

06/28/21: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 04/21/21.

1. CHANGED DPDLC TO CPDLC IN COMMUNICATIONS

QUALITY
49
CHECKED

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

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
JOHKR		TWO		JOHKR2.JOHKR		ONE		02/25/2021	
<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>
RW01L (AER)*	360436.44N/1151010.30W*	N	-	-	-	-			*DISPL THLD (587.175 FT)
2682 MSL	-	-	-	VA	024.92	-	AT/ABOVE 2682		CG 514 FT PER NM TO 4900.
BESSY	360627.67N/1151722.56W	Y	FB	DF	-		AT/ABOVE 5000		LEFT TURN
HRRLY	355922.85N/1152049.61W	Y	FB	TF	201.61	07.60			
KWYYN	355155.06N/1152424.55W	Y	FB	TF	201.34	08.00			
RAWKK	355226.01N/1153325.78W	Y	FB	TF	274.06	07.35	AT/ABOVE 13000		
JOHKR	355343.51N/1155618.66W	Y	FB	TF	274.08	18.64			
RW01R (AER)*	360431.67N/1151000.44W*	N	-	-	-	-			*DISPL THLD (491.08 FT)
2682 MSL	-	-	-	VA	024.92		AT/ABOVE 2682		CG 526 FT PER NM TO 4800.
BESSY	360627.67N/1151722.56W	Y	FB	DF	-		AT/ABOVE 5000		LEFT TURN
HRRLY	355922.85N/1152049.61W	Y	FB	TF	201.61	07.60			
KWYYN	355155.06N/1152424.55W	Y	FB	TF	201.34	08.00			
RAWKK	355226.01N/1153325.78W	Y	FB	TF	274.06	07.35	AT/ABOVE 13000		
JOHKR	355343.51N/1155618.66W	Y	FB	TF	274.08	18.64			
RW08L (AER)*	360434.95N/1150946.63W*	N	-	-	-	-			*DISPL THLD (2137.648 FT)
-	360435.14N/1150457.22W	-	-	VI	089.93	03.91			CG 500 FT PER NM TO 2682 THEN CG 219 FT PER NM TO 6300.
FLAAR	360255.02N/1145425.66W	Y	FB	CF	101.10	08.69	AT/ABOVE 6000		
HNIBL	355903.67N/1145257.26W	Y	FB	TF	162.75	04.03	AT/ABOVE 8000	AT/BELOW 230K	
VMPRE	355252.47N/1145952.81W	Y	FB	TF	222.35	08.35			
JOHKR	355343.51N/1155618.66W	Y	FB	TF	271.34	45.86			

QUALITY
22
CHECKED

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	ACTUAL EFFECTIVE DATE
JOHKR		TWO		JOHKR2.JOHKR		ONE		02/25/2021	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW08R (AER)	360425.06N/1150941.16W	N	-	-	-	-			
2682 MSL	-	-	-	VA	089.93	-	AT/ABOVE 2682		CG 500 FT PER NM TO 2682 THEN CG 217 FT PER NM TO 6300.
SCAAR	360424.99N/1150355.43W	Y	FB	DF	-	-			
FLAAR	360255.02N/1145425.66W	Y	FB	TF	100.96	07.84	AT/ABOVE 6000		
HNIBL	355903.67N/1145257.26W	Y	FB	TF	162.75	04.03	AT/ABOVE 8000	AT/BELOW 230K	
VMPRE	355252.47N/1145952.81W	Y	FB	TF	222.35	08.35			
JOHKR	355343.51N/1155618.66W	Y	FB	TF	271.34	45.86			
RW19L (AER)*	360547.01N/1150917.31W*	N	-	-	-	-			*DISPL THLD (877.875 FT)
2682 MSL	-	-	-	VA	204.92	-	AT/ABOVE 2682		CG 500 FT PER NM TO 2682 THEN CG 333 FT PER NM TO 8900.
DEREW	360017.72N/1151231.20W	Y	FB	DF	-	-	AT/BELOW 7000		
CARNG	355820.68N/1151320.79W	Y	FB	TF	199.00	02.06			
COMIC	355602.67N/1151635.95W	Y	FB	TF	229.00	03.50			
MGNT0	355304.95N/1152151.60W	Y	FB	TF	235.34	05.20			
KRUGR	355319.14N/1153332.86W	Y	FB	TF	271.48	09.50	AT/BELOW 11000		
JOHKR	360551.77N/1150927.19W	Y	FB	TF	271.37	18.50			
RW19R (AER)	360551.77N/1150927.19W	N	-	-	-	-			
2682 MSL	-	-	-	VA	204.92	-	AT/ABOVE 2682		CG 500 FT PER NM TO 2682 THEN CG 334 FT PER NM TO 8900.
DEREW	360017.72N/1151231.20W	Y	FB	DF	-	-	AT/BELOW 7000		
CARNG	355820.68N/1151320.79W	Y	FB	TF	199.00	02.06			
COMIC	355602.67N/1151635.95W	Y	FB	TF	229.00	03.50			



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JOHKR		TWO		JOHKR2.JOHKR		ONE		02/25/2021	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
MGNT0	355304.95N/1152151.60W	Y	FB	TF	235.34	05.20			
KRUGR	355319.14N/1153332.86W	Y	FB	TF	271.48	09.50	AT/BELOW 11000		
JOHKR	355343.51N/1155618.66W	Y	FB	TF	271.37	18.50			
RW26L (AER)	360425.17N/1150732.97W	N	-	-	-	-			
2682 MSL	-	-	-	VA	269.95	-	AT/ABOVE 2682		CG 500 FT PER NM TO 2682 THEN CG 341 FT PER NM TO 8900.
SILTT	360424.89N/1151214.37W	Y	FB	DF	-	-			
RUDYY	360407.63N/1151532.31W	Y	FB	TF	263.89	02.69	AT/ABOVE 4000	AT/BELOW 230K	
SELLZ	355932.74N/1151738.02W	Y	FB	TF	200.39	04.88	AT/BELOW 8000		
MGNT0	355304.95N/1152151.60W	Y	FB	TF	208.02	07.31			
KRUGR	355319.14N/1153332.86W	Y	FB	TF	271.48	09.50	AT/BELOW 11000		
JOHKR	355343.51N/1155618.66W	Y	FB	TF	271.37	18.50			
RW26R (AER)*	360435.05N/1150732.94W*	N	-	-	-	-			*DISPL THLD (1396.456 FT)
-	360434.77N/1151226.24W	-	-	VI	269.95	03.96			CG 500 FT PER NM TO 2682 THEN CG 345 PER NM TO 8900.
RUDYY	360407.63N/1151532.31W	Y	FB	CF	259.80	02.55	AT/ABOVE 4000	AT/BELOW 230K	
SELLZ	355932.74N/1151738.02W	Y	FB	TF	200.39	04.88	AT/BELOW 8000		
MGNT0	355304.95N/1152151.60W	Y	FB	TF	208.02	07.31			
KRUGR	355319.14N/1153332.86W	Y	FB	TF	271.48	09.50	AT/BELOW 11000		
JOHKR	355343.51N/1155618.66W	Y	FB	TF	271.37	18.50			
TRANSITIONS									
JOHKR	355343.51N/1155618.66W	Y	-	IF	-	-		JOHKR2.KENNO	
GRYMZ	361655.44N/1162503.92W	Y	FB	TF	314.97	32.86			



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JOHKR		TWO		JOHKR2.JOHKR		ONE		02/25/2021	
<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>
DEDPL	362639.73N/1163639.53W	Y	FB	TF	316.14	13.50			
BIKKR	363400.00N/1164500.00W	Y	FB	TF	317.50	09.95			
CAGEE	364412.42N/1165639.93W	Y	FB	TF	317.42	13.86			
KENNO	371753.37N/1171836.81W	Y	FB	TF	332.52	37.95			

