

This is a **CORRECTED COPY** of the procedure
previously published in NFDD 196.

**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SUPERSEDED NUMBER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	FIVE	JOHKR5.JOHKR	FOUR	10/31/2022	26DEC2024

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 01L/01R: 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 08L: 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 08R: 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/19R: 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 AND AT OR BELOW 250 KIAS, 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 AND AT OR BELOW 250 KIAS, THEN ON TRACK 260.37 TO JOHKR, THENCE ...

TAKEOFF RWY 26R: CLIMB ON HEADING 258.96 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 AND AT OR BELOW 250 KIAS, 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	JOHKR5.KENNO	JOHKR	GRYMZ	TRACK 303.97	32.86	15000	8600	
		GRYMZ	DEDPL	TRACK 305.14	13.50	15000	8900	
		DEDPL	BIKKR	TRACK 306.50	09.95	17000	8700	
		BIKKR	CAGEE	TRACK 306.42	13.86	17000	7700	
		CAGEE	KENNO	TRACK 321.52	37.95	17000	11000	

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS



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JOHKR	FIVE	JOHKR5.JOHKR	FOUR	10/31/2022	26DEC2024

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT

PROCEDURAL DATA NOTES:**TAKEOFF MINIMUMS:**

RWY 1L: STANDARD WITH MINIMUM CLIMB OF 514' PER NM TO 8700.

RWY 1R: STANDARD WITH MINIMUM CLIMB OF 526' PER NM TO 8700.

RWY 8L: STANDARD WITH MINIMUM CLIMB OF 500' PER NM TO 2682, THEN MINIMUM CLIMB OF 360' PER NM TO 10500.

RWY 8R: STANDARD WITH MINIMUM CLIMB OF 500' PER NM TO 2682, THEN MINIMUM CLIMB OF 250' PER NM TO 6500.

RWY 19L/R: STANDARD WITH MINIMUM CLIMB OF 500' PER NM TO 2682, THEN MINIMUM CLIMB OF 350' PER NM TO 9200.

RWY 26L: STANDARD WITH MINIMUM CLIMB OF 500' PER NM TO 2682, THEN MINIMUM CLIMB OF 360' PER NM TO 9300.

RWY 26R: STANDARD WITH MINIMUM CLIMB OF 500' PER NM TO 2682, THEN MINIMUM CLIMB OF 360' PER NM TO 9000.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 1L/1R: 3229 FT MSL MONUMENT 360850.71N/1150919.85W (CLIMB GRADIENT), 6873 FT MSL AAO 355406.00N/1153109.00W (CLIMB-TO ALTITUDE).

RWY 8L/8R: 5246 FT MSL AAO 355421.00NN/1150242.00W.

RWY 19L/19R, 26L/26R: 7792 FT MSL AAO 355609.00N/1152948.00W.

MSA:

FROM KLAS 13200

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

CHART: TOP ALITUDE: FL190.

CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT RUDYY.

CHART SPEED ICON MAXIMUM SPEED 230 KIAS AT HNIBL.

CHART SPEED ICON MAXIMUM SPEED 250 KIAS AT KRUGR.

DME/DME/IRU ASSESSMENT: SAT (RNP 2.0).

AIRPORT MV: LAS 11E/2020

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KLAS	LAS VEGAS	NV

COMMUNICATIONS:

CHART: D-ATIS, CLNC DEL, CPDLC, TWR, GND CON.

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

HISTORICAL TAILWINDS (2018-2022 - 99TH PERCENTILE) USED.

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

CLIMB GRADIENT IN EXCESS OF 200 FT PER NM APPLIED TO SUPPORT OPERATIONAL REQUIREMENTS AND OBSTACLES.



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JOHKR	FIVE	JOHKR5.JOHKR	FOUR	10/31/2022	26DEC2024

<u>FLIGHT INSPECTED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	
	<i>Digitally signed by</i> DAVID DANNER Oct 16, 2024			
<u>DEVELOPED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	
LEO PALMER	<i>Digitally signed by</i> LEO PALMER Oct 15, 2024	AJV-A421	10/01/2024	
<u>APPROVED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
DAVE DANNER	<i>Digitally signed by</i> DAVID DANNER Oct 16, 2024	AJV-A420	12/26/2024	MANAGER

REQUIRED EFFECTIVE DATE
ROUTINE

COORDINATED WITH:

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

CHANGES - REASONS:

8260-15C: RWY 26L: "AT/BELOW 11000" MOVED FROM MGNT0 TO KRUGR.

10/15/24: THIS IS A CORRECTED COPPY OF THE FORM APPROVED ON 10/7/24
1. TRANSITION ROUTES: TRANSITION COMPUTER CODE CHANGED FROM JOHKR4.KENNO TO JOHKR5.KENNO.



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

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
JOHKR				FIVE		JOHKR5.JOHKR		FOUR		10/31/2022		26DEC2024	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
RW01L (AER)*	360436.44N/1151010.30W	N	-	-	-	-			*DISPL THLD (587.0 FT)				
2682 MSL	-	-	-	VA	024.92	-			CG 514 FT PER NM TO 8700				
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 (491.0 FT)				
2682 MSL	-	-	-	VA	024.92	-			CG 526 FT PER NM TO 8700				
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 (2139.0 FT)				
-	360435.13N/1150457.12W	-	-	VI	089.93	03.91			CG 500 FT PER NM TO 2682 THEN CG 360 FT PER NM TO 10500				
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							

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DP NAME		NUMBER					DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
JOHKR		FIVE					JOHKR5.JOHKR		FOUR		10/31/2022		26DEC2024	
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	-			CG 500 FT PER NM TO 2682 THEN CG 250 FT PER NHM TO 6500					
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 (878.0 FT)					
2682 MSL	-		-	VA	204.92	-			CG 500 FT PER NM TO 2682 THEN CG 350 FT PER NM TO 9200.					
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	AT/BELOW 250K						
JOHKR	355343.51N/1155618.66W	Y	FB	TF	271.37	18.50								
RW19R (AER)	360551.77N/1150927.19W	N	-	-	-	-								
2682 MSL	-	-	-	VA	204.92	-			CG 500 FT PER NM TO 2682 THEN CG 350 FT PER NM TO 9200					
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								

QUALITY



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JOHKR				FIVE	JOHKR5.JOHKR	FOUR	10/31/2022	26DEC2024	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
KRUGR	355319.14N/1153332.86W	Y	FB	TF	271.48	09.50	AT/BELOW 11000	AT/BELOW 250K	
JOHKR	355343.51N/1155618.66W	Y	FB	TF	271.37	18.50			
RW26L (AER)	360425.17N/1150732.97W	N	-	-	-	-			
2682 MSL	-	-	VA	-	269.95	-			CG 500 FT PER NM TO 2682 THEN CG 360 FT PER NM TO 9300
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	AT/BELOW 250K	
JOHKR	355343.51N/1155618.66W	Y	FB	TF	271.37	18.50			
RW26R (AER)*	360435.05N/1150732.94W	N	-	-	-	-			*DISPL THLD (1399.0 FT)
-	360434.77N/1151226.20W	-	-	VI	269.96	3.96			CG 500 FT PER NM TO 2682 THEN 360 FT PER NM TO 9000.
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	AT/BELOW 250K	
JOHKR	355343.51N/1155618.66W	Y	FB	TF	271.37	18.50			
JOHKR	355343.51N/1155618.66W	Y	-	IF	-	-		JOHKR5.KENNO	
GRYMZ	361655.44N/1162503.92W	Y	FB	TF	314.97	32.86			
DEDPL	362639.73N/1163639.53W	Y	FB	TF	316.14	13.50			

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JOHKR							FIVE	JOHKR5.JOHKR	FOUR	10/31/2022	26DEC2024
<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>	
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					

