

**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SUPERSEDED NUMBER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>
RATPK	ONE	RATPK1.RATPK	NONE		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 type="checkbox"/>	<input checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 1L, 1R: CLIMB ON HEADING 013.92 TO INTERCEPT COURSE 072.00 TO CROSS KYBAD AT OR ABOVE 6000, THEN ON TRACK 039.52 TO JENFR, THEN ON TRACK 039.56 TO RATPK, THENCE...

TAKEOFF RWY 8L: CLIMB ON HEADING 078.93 TO INTERCEPT COURSE 090.10 TO CROSS FLAAR AT OR ABOVE 6000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 151.75 TO CROSS HNIBL AT OR ABOVE 8000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 211.36 TO KNGPN, THEN RIGHT TURN DIRECT JENFR, THEN ON TRACK 039.56 TO RATPK, 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 AND AT OR BELOW 230 KIAS, THEN ON TRACK 151.75 TO CROSS HNIBL AT OR ABOVE 8000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 211.36 TO KNGPN, THEN RIGHT TURN DIRECT JENFR, THEN ON TRACK 039.56 TO RATPK, THENCE...

TAKEOFF RWY 19L, 19R: CLIMB ON HEADING 193.92 TO INTERCEPT COURSE 270.90 TO LEELN, THEN ON TRACK 336.16 TO CROSS GLIAN AT OR ABOVE 5000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 049.92 TO CROSS BACCK AT OR ABOVE 6000, THEN ON TRACK 057.55 TO CROSS ALOLY AT OR ABOVE 7000, THEN ON TRACK 078.90 TO JENFR, THEN ON TRACK 039.56 TO RATPK, THENCE...

TAKEOFF RWY 26L, 26R: CLIMB ON HEADING 258.95 TO 2682, THEN DIRECT LEELN, THEN ON TRACK 336.16 TO CROSS GLIAN AT OR ABOVE 5000 AND AT OR BELOW 230 KIAS, THEN ON TRACK 049.92 TO CROSS BACCK AT OR ABOVE 6000, THEN ON TRACK 057.55 TO CROSS ALOLY AT OR ABOVE 7000, THEN ON TRACK 078.90 TO JENFR, THEN ON TRACK 039.56 TO RATPK, THENCE...

...ON (TRANSITION), MAINTAIN 17000. 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>
FRNCK	RATPK1.FRNCK	RATPK	DARDN	TRACK 026.42	13.21	10200	6700	
		DARDN	FRNCK	TRACK 020.94	80.66	15000	9900	
KITTN	RATPK1.KITTN	RATPK	SASNE	TRACK 341.25	25.00	12000	6700	AT/BELOW FL190
		SASNE	KITTN	TRACK 341.21	93.64	20000	10100	

PROCEDURAL DATA NOTES:

NOTE: KITTN TRANSITION ATC ASSIGNED ONLY. DO NOT FILE.

NOTE: FOR NON-GPS EQUIPPED AIRCRAFT ILC AND BLD DMES MUST BE OPERATIONAL.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

NOTE: RNAV 1.

NOTE: TURBOJET ONLY.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
RATPK	ONE	RATPK1.RATPK	NONE		02/25/2021

TAKEOFF MINIMUMS:

RWY 01L, 01R: STANDARD WITH MINIMUM CLIMB OF 500 FEET PER NM TO 2682 THEN 280 FEET PER NM TO 4800.
RWY 08L, 08R: STANDARD WITH MINIMUM CLIMB OF 500 FEET PER NM TO 2682 THEN 233 FEET PER NM TO 6400.
RWY 19L, 19R: STANDARD WITH MINIMUM CLIMB OF 500 FEET PER NM TO 2682 THEN 230 FEET PER NM TO 4200.
RWY 26L, 26R: STANDARD WITH A MINIMUM CLIMB OF 500 FEET PER NM TO 2682 THEN 240 FEET PER NM TO 4200.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 01L, 01R: 4160 FT MSL AAO 361027.69N/1145955.49W.
RWY 08L, 08R: 5292 FT MSL AAO 355550.44N/1150236.58W.
RWY 19L, 19R, 26L, 26R: 3716 FT MSL AAO 360414.28N/1151920.01W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

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

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, GND CON, TWR, DEP CON.

FIXES AND/OR NAVAIDS:

REMARKS:

NON STANDARD TAILWINDS DERIVED FROM THE MITRE 2019 LAS WINDS CSV FILE USED FOR GLIAN SEGMENT OF 35 KNOTS AND BACCK SEGMENT OF 37.7 KNOTS.

FLIGHT INSPECTED BY

PENDING

Digitally signed by

JOHN BORDY

Jan 13, 2021

OFFICE

DATE

DEVELOPED BY

HEIDI C SNIDER

Digitally signed by

HEIDI SNIDER

Jan 13, 2021

OFFICE

AJV-A422

DATE

12/30/2019

APPROVED BY

MARLON ROBINSON

Digitally signed by

JOHN BORDY

Jan 13, 2021

OFFICE

AJV-A420

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

02/25/2021



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
RATPK	ONE	RATPK1.RATPK	NONE		02/25/2021

COORDINATED WITH:

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

CHANGES - REASONS:
ORIGINAL PROCEDURE.

02/04/2020: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12//30/2019.

1. UPDATED 8260-15C RW19L AND RW19R TRANSITION LEG GLIAN TC FROM 347.15 TO 347.16.
2. UPDATED 8260-15C RW26L TRANSITION LEG BACCK ALTITUDE FROM AT/BELOW 6000 TO AT/ABOVE 6000.

03/18/2020: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/30/2019:

1. ADDED PROCEDURAL DATA NOTE: TURBOJET ONLY - ATC REQUEST.
2. REMOVED MOCA VALUE FROM TRANSITION ROUTES - FICO REQUEST.
3. ADDED PROCEDURAL DATA NOTE: MOCA NOT CHARTED - FICO REQUEST.

01/13/2021: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/19/2020:

1. ADDED BACK MOCA VALUE TO TRANSITION ROUTES - IAW 8260.46G SECTION 2.
2. REMOVED PROCEDURAL DATA NOTE: MOCA NOT CHARTED - IAW 8260.46G SECTION 2
3. CHANGED REQUIRED EFFECTIVE DATE FROM ROUTINE TO 02/25/2021
4. ADDED ACTUAL EFFECTIVE DATE 02/25/2021 TO ALL PAGES- PROCEDURE HAS HARD DATE.



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

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
RATPK						ONE	RATPK1.RATPK	NONE		02/25/2021
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 FT)	
-	360733.03N/1150829.18W	-	-	VI	024.92	3.24			CG 500 FT/NM TO 2682 THEN MIN CG 280 FT/NM TO 4800	
KYBAD	360838.95N/1145732.45W	Y	FB	CF	083.00	8.93	AT/ABOVE 6000			
JENFR	361146.11N/1145252.04W	Y	FB	TF	050.52	4.90				
RATPK	362204.14N/1143721.47W	Y	FB	TF	050.56	16.22				
RW01R (AER)*	360431.67N/1151000.44W*	N	-	-	-	-			*DISPL THLD (491 FT)	
-	360734.38N/1150815.81W	-	-	VI	024.92	3.35			CG 500 FT/NM TO 2682 THEN MIN CG 280 FT/NM TO 4800	
KYBAD	360838.95N/1145732.45W	Y	FB	CF	083.00	8.75	AT/ABOVE 6000			
JENFR	361146.11N/1145252.04W	Y	FB	TF	050.52	4.90				
RATPK	362204.14N/1143721.47W	Y	FB	TF	050.56	16.22				
RW08L (AER)*	360434.95N/1150946.63W*	N	-	-	-	-			*DISPL THLD (2139 FT)	
-	360435.13N/1150457.12W	-	-	VI	089.93	3.91			CG 500 FT/NM TO 2682 THEN MIN CG 233 FT/NM TO 6400	
FLAAR	360255.02N/1145425.66W	Y	FB	CF	101.10	8.69	AT/ABOVE 6000	AT/BELOW 230K		
HNIBL	355903.67N/1145257.26W	Y	FB	TF	162.75	4.03	AT/ABOVE 8000	AT/BELOW 230K		
KNGPN	355521.62N/1145706.08W	Y	FO	TF	222.36	5.00				
JENFR	361146.11N/1145252.04W	Y	FB	DF	-	16.74			RIGHT TURN	
RATPK	362204.14N/1143721.47W	Y	FB	TF	050.56	16.22				
RW08R (AER)	360425.06N/1150941.16W	N	-	-	-	-				
2682 MSL	-	-	-	VA	089.93	-	AT/ABOVE 2682		CG 500 FT PER NM TO 2682 THEN MIN CG 233 FT/NM TO 6400	

QUALITY
7
CHECKED

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	ACTUAL EFFECTIVE DATE
RATPK		ONE		RATPK1.RATPK		NONE			02/25/2021
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
SCAAR	360424.99N/1150355.43W	Y	FB	DF	-	-			LEFT TURN
FLAAR	360255.02N/1145425.66W	Y	FB	TF	100.96	7.84	AT/ABOVE 6000	AT/BELOW 230K	
HNIBL	355903.67N/1145257.26W	Y	FB	TF	162.75	4.03	AT/ABOVE 8000	AT/BELOW 230K	
KNGPN	355521.62N/1145706.08W	Y	FO	TF	222.36	5.00			
JENFR	361146.11N/1145252.04W	Y	FB	DF	-	16.74			RIGHT TURN
RATPK	362204.14N/1143721.47W	Y	FB	TF	050.56	16.22			
RW19L (AER)*	360547.01N/1150917.31W*	N	-	-	-	-			*DISPL THLD (878 FT)
	360330.10N/1151035.66W	-	-	VI	204.92	2.51			CG 500 FT/NM TO 2682 THEN MIN CG 230 FT/NM TO 4200.
LEELN	360435.00N/1151654.00W	Y	FB	CF	281.90	5.22			
GLIAN	360910.33N/1151811.41W	Y	FB	TF	347.16	4.70	AT/ABOVE 5000	AT/BELOW 230K	
BACCK	361025.03N/1151525.69W	Y	FB	TF	060.92	2.56	AT/ABOVE 6000		
ALOLY	361146.00N/1151111.26W	Y	FB	TF	068.55	3.69	AT/ABOVE 7000		
JENFR	361146.11N/1145252.04W	Y	FB	TF	089.90	14.83			
RATPK	362204.14N/1143721.47W	Y	FB	TF	050.56	16.22			
RW19R (AER)	360551.77N/1150927.19W	N	-	-	-	-			CG 500 FT PER NM TO 2682 THEN MIN CG 230 FT/NM TO 4200.
	360332.07N/1151047.12W	-	-	VI	204.92	2.56			
LEELN	360435.00N/1151654.00W	Y	FB	CF	281.90	5.07			
GLIAN	360910.33N/1151811.41W	Y	FB	TF	347.16	4.70	AT/ABOVE 5000	AT/BELOW 230K	
BACCK	361025.03N/1151525.69W	Y	FB	TF	060.92	2.56	AT/ABOVE 6000		
ALOLY	361146.00N/1151111.26W	Y	FB	TF	068.55	3.69	AT/ABOVE 7000		
JENFR	361146.11N/1145252.04W	Y	FB	TF	089.90	14.83			
RATPK	362204.14N/1143721.47W	Y	FB	TF	050.56	16.22			

QUALITY
7
CHECKED

DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	ACTUAL EFFECTIVE DATE
RATPK		ONE		RATPK1.RATPK		NONE			02/25/2021
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW26L (AER)	360425.17N/1150732.97W	N	-	-	-	-			
2682 MSL	-	-	-	VA	269.95	-	AT/ABOVE 2682		CG 500 FT PER NM TO 2682 THEN MIN CG 240 FT/NM TO 4200
LEELN	360435.00N/1151654.00W	Y	FB	DF	-	-			RIGHT TURN
GLIAN	360910.33N/1151811.41W	Y	FB	TF	347.16	4.70	AT/ABOVE 5000	AT/BELOW 230K	
BACCK	361025.03N/1151525.69W	Y	FB	TF	060.92	2.56	AT/ABOVE 6000		
ALOLY	361146.00N/1151111.26W	Y	FB	TF	068.55	3.69	AT/ABOVE 7000		
JENFR	361146.11N/1145252.04W	Y	FB	TF	089.90	14.83			
RATPK	362204.14N/1143721.47W	Y	FB	TF	050.56	16.22			
RW26R (AER)*	360435.05N/1150732.94W*	N	-	-	-	-			*DSPL THLD (1399 FT)
2682 MSL	-	-	-	VA	269.95	-	AT/ABOVE 2682		CG 500 FT/NM TO 2682 THEN MIN CG 240 FT/NM TO 4200
LEELN	360435.00N/1151654.00W	Y	FB	DF	-	-			RIGHT TURN
GLIAN	360910.33N/1151811.41W	Y	FB	TF	347.16	4.70	AT/ABOVE 5000	AT/BELOW 230K	
BACCK	361025.03N/1151525.69W	Y	FB	TF	060.92	2.56	AT/ABOVE 6000		
ALOLY	361146.00N/1151111.26W	Y	FB	TF	068.55	3.69	AT/ABOVE 7000		
JENFR	361146.11N/1145252.04W	Y	FB	TF	089.90	14.83			
RATPK	362204.14N/1143721.47W	Y	FB	TF	050.56	16.22			
TRANSITIONS									
RATPK	362204.14N/1143721.47W	Y	-	IF	-	-			RATPK1.FRNCK
DARDN	363233.81N/1142723.93W	Y	FB	TF	037.42	13.21			
FRNCK	374053.77N/1133338.71W	Y	FB	TF	031.94	80.66			
RATPK	362204.14N/1143721.47W	Y	-	IF	-	-			RATPK1.KITTN

QUALITY
7
CHECKED

<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
RATPK		ONE		RATPK1.RATPK		NONE			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>
SASNE	364652.37N/1144133.30W	Y	FB	TF	352.25	25.00	AT/BELOW FL190		
KITTN	381944.23N/1145741.27W	Y	FB	TF	352.21	93.64			

