

**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SUPERSEDED NUMBER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>
NIITZ	THREE	NIITZ3.NIITZ	TWO	08/12/2021	27JAN2022
<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
☐	☐	☒	☐	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 1L, 1R: CLIMB ON HEADING 013.92 TO INTERCEPT COURSE 072.00 TO KYBAD, THEN ON TRACK 071.84 TO HAIDN, THEN ON TRACK 094.91 TO CROSS OLBLU AT OR ABOVE 10000 AND AT OR BELOW 250 KIAS, THEN ON TRACK 092.01 TO NIITZ, 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 090.14 TO GOLIE, THEN ON TRACK 083.37 TO CROSS DBLII AT OR BELOW 13000, THEN ON TRACK 083.48 TO CROSS GLDYN AT OR ABOVE 12000, THEN ON TRACK 088.21 TO NIITZ, 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 090.14 TO GOLIE, THEN ON TRACK 083.37 TO CROSS DBLII AT OR BELOW 13000, THEN ON TRACK 083.48 TO CROSS GLDYN AT OR ABOVE 12000, THEN ON TRACK 088.21 TO NIITZ, THENCE ...

TAKEOFF RWY 19L, 19R: CLIMB ON HEADING 193.92 TO 2682, THEN DIRECT DEREW TO CROSS AT OR BELOW 7000, THEN ON TRACK 188.01 TO CARNG, THEN ON TRACK 157.87 TO CROSS TTONE AT OR ABOVE 8000, THEN ON TRACK 109.76 TO CROSS VIVVS AT OR ABOVE 10000, THEN ON TRACK 075.06 TO CROSS SGFRD AT OR ABOVE 17000, THEN ON TRACK 079.30 TO NIITZ, 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 127.28 TO CROSS TTONE AT OR ABOVE 8000, THEN ON TRACK 109.76 TO CROSS VIVVS AT OR ABOVE 10000, THEN ON TRACK 075.06 TO CROSS SGFRD AT OR ABOVE 17000, THEN ON TRACK 079.30 TO NIITZ, 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 127.28 TO CROSS TTONE AT OR ABOVE 8000, THEN ON TRACK 109.76 TO CROSS VIVVS AT OR ABOVE 10000, THEN ON TRACK 075.06 TO CROSS SGFRD AT OR ABOVE 17000, THEN ON TRACK 079.30 TO NIITZ, 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>
IWANS	NIITZ3.IWANS	NIITZ	IWANS	TRACK 088.92	42.36	17000	9600	
HOCEE	NIITZ3.HOCEE	NIITZ	HOCEE	TRACK 068.17	98.24	17000	10600	
SSKEE	NIITZ3.SSKEE	NIITZ	IWANS	TRACK 088.92	42.36	17000	9600	
		IWANS	SSKEE	TRACK 089.37	42.49	17000	9100	
TUKRR	NIITZ3.TUKRR	NIITZ	TUKRR	TRACK 046.03	107.78	17000	11100	

PROCEDURAL DATA NOTES:

NOTE: TUKRR AND IWANS TRANSITION ATC ASSIGNED ONLY. DO NOT FILE.

NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

NOTE: TURBOJETS ONLY.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1



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NIITZ	THREE	NIITZ3.NIITZ	TWO	08/12/2021	27JAN2022

NOTE: IF UNABLE TO ACCEPT CLIMB RATES, ADVISE ATC ON INITIAL CONTACT.

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.

RWY 19L, 19R: STANDARD WITH MINIMUM CLIMB OF 500 FEET PER NM TO 2682 THEN 270 FEET PER NM TO 6200.

RWY 26L, 26R: STANDARD WITH MINIMUM CLIMB OF 500 FEET PER NM TO 2682 THEN 240 FEET PER NM TO 5000.

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 19L, 19R: 5279 FT MSL AAO 355408.12N-1150243.55W.

RWY 26L, 26R: 3905 FT MSL AAO 355859.66N-1151755.09W(CG) 5279 FT MSL AAO 355408.12N-1150243.55W (CGTA).

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>
HARRY REID INTL	KLAS	LAS VEGAS	NV

COMMUNICATIONS:

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

FIXES AND/OR NAVAIDS:

REMARKS:

<i>Digitally signed by</i>				
<u>FLIGHT INSPECTED BY</u>	CASIMIR L TABAKA	<u>OFFICE</u>	<u>DATE</u>	
SCOTT A THOMPSON	Oct 20, 2021	FPO	10/14/2021	
<i>Digitally signed by</i>				
<u>DEVELOPED BY</u>	SYLVAN DRAKES	<u>OFFICE</u>	<u>DATE</u>	
SYLVAN DRAKES	Sep 23, 2021	AJV-A411	08/11/2021	
<i>Digitally signed by</i>				
<u>APPROVED BY</u>	CASIMIR L TABAKA	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
JULIE MORGAN	Oct 20, 2021	AJV-A410		MANAGER



QUALITY
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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>
NIITZ	THREE	NIITZ3.NIITZ	TWO	08/12/2021	27JAN2022

REQUIRED EFFECTIVE DATE

PENDING

COORDINATED WITH:

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

CHANGES - REASONS:

1. CHANGED CROSSING RESTRICTION AT TTONE FROM 7000 TO 8000 FOR RWY 26L/R AND RWY 19L/R - TO IMPROVE SEPARATION OF AIR TRAFFIC ALONG ROUTE.
2. CHANGED AIRPORT NAME FROM MC CARRAN INTL TO HARRY REID INTL - AIRPORT NAME CHANGED.

9/23/2021: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON: 8/11/2021.

1. UPDATED DP ROUTE DESCRIPTION CROSSING RESTRICTION AT VIVVS FROM 9000 TO 10000 FOR RWYS 19L/R AND RWYS 26L/R - CHECKLIST UPDATED TO RELECT THE REQUIRED CHANGE.

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

DP NAME					NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
NIITZ					THREE		NIITZ3.NIITZ		TWO	08/12/2021	27JAN2022
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)
-	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					
HAIDN	360909.32N/1145233.36W	Y	FB	TF	082.84	4.07					
OLBLU	360731.06N/1144529.35W	Y	FB	TF	105.91	5.95	AT/ABOVE 10000		AT/BELOW 250K		
NIITZ	355319.52N/1133200.85W	Y	FB	TF	103.01	61.27					
RW01R (AER)*	360431.67N/1151000.44W*	N	-	-	-	-					*DISPL THLD (491.0 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					
HAIDN	360909.32N/1145233.36W	Y	FB	TF	082.84	4.07					
OLBLU	360731.06N/1144529.35W	Y	FB	TF	105.91	5.95	AT/ABOVE 10000		AT/BELOW 250K		
NIITZ	355319.52N/1133200.85W	Y	FB	TF	103.01	61.27					
RW08L (AER)*	360434.95N/1150946.63W*	N	-	-	-	-					*DISPL THLD (2139.0FT)
-	360435.13N/1150457.12W	-	-	VI	089.93	3.91					CG 500 FT/NM TO 2682
FLAAR	360255.02N/1145425.66W	Y	FB	CF	101.10	8.69	AT/ABOVE 6000		AT/BELOW 230K		
GOLIE	360201.07N/1144849.14W	Y	FB	TF	101.14	4.64					
DBLII	360117.96N/1143723.25W	Y	FB	TF	094.37	9.30	AT/BELOW 13000				
GLDYN	360029.53N/1142452.90W	Y	FB	TF	094.48	10.18	AT/ABOVE 12000				
NIITZ	355319.52N/1133200.85W	Y	FB	TF	099.21	43.52					

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DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
NIITZ				THREE		NIITZ3.NIITZ		TWO		08/12/2021		27JAN2022	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
RW08R (AER)	360425.06N/1150941.16W	N	-	-	-	-			CG 500 FT PER NM TO 2682.				
2682 MSL	-	-	-	VA	089.93	-	AT/ABOVE 2682						
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					
GOLIE	360201.07N/1144849.14W	Y	FB	TF	101.14	4.64							
DBLII	360117.96N/1143723.25W	Y	FB	TF	094.37	9.30	AT/BELOW 13000						
GLDYN	360029.53N/1142452.90W	Y	FB	TF	094.48	10.18	AT/ABOVE 12000						
NIITZ	355319.52N/1133200.85W	Y	FB	TF	099.21	43.52							
RW19L (AER)*	360547.01N/1150917.31W*	N	-	-	-	-			*DISPL THLD (878.0 FT)				
2682 MSL	-	-	-	VA	204.92	-	AT/ABOVE 2682		CG 500 FT/NM TO 2682 THEN MIN CG 270 FT/NM TO 6200				
DEREW	360017.72N/1151231.20W	Y	FB	DF	-	-	AT/BELOW 7000		RIGHT TURN				
CARNG	355820.68N/1151320.79W	Y	FB	TF	199.01	2.06							
TTONE	355451.91N/1151230.29W	Y	FB	TF	168.87	3.54	AT/ABOVE 8000						
VIVVS	355157.17N/1150629.89W	Y	FB	TF	120.76	5.68	AT/ABOVE 10000						
SGFRD	355349.46N/1143134.87W	Y	FB	TF	086.06	28.44	AT/ABOVE 17000						
NIITZ	355319.52N/1133200.85W	Y	FB	TF	090.30	48.40							
RW19R (AER)	360551.77N/1150927.19W	N	-	-	-	-			CG 500 FT PER NM TO 2682 THEN MIN CG 270 FT/NM TO 6200.				
2682 MSL	-	-	-	VA	204.92	-	AT/ABOVE 2682						
DEREW	360017.72N/1151231.20W	Y	FB	DF	-	-	AT/BELOW 7000		LEFT TURN				
CARNG	355820.68N/1151320.79W	Y	FB	TF	199.01	2.06							
TTONE	355451.91N/1151230.29W	Y	FB	TF	168.87	3.54	AT/ABOVE 8000						
VIVVS	355157.17N/1150629.89W	Y	FB	TF	120.76	5.68	AT/ABOVE 10000						

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DP NAME					NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	ACTUAL EFFECTIVE DATE
NIITZ					THREE		NIITZ3.NIITZ		TWO		08/12/2021	27JAN2022
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE		SPEED			REMARKS
SGFRD	355349.46N/1143134.87W	Y	FB	TF	086.06	28.44	AT/ABOVE 17000					
NIITZ	355319.52N/1133200.85W	Y	FB	TF	090.30	48.40						
RW26L (AER)	360425.17N/1150732.97W	N	-	-	-	-						
2682 MSL	-	-	-	VA	269.95	-	AT/ABOVE 2682					CG 500 FT/NM TO 2682 THEN MIN CG 240 FT/NM TO 5000.
SILTT	360424.89N/1151214.37W	Y	FB	DF	-	-						RIGHT TURN
RUDYY	360407.63N/1151532.31W	Y	FB	TF	263.89	2.69	AT/ABOVE 4000		AT/BELOW 230K			
SELLZ	355932.74N/1151738.02W	Y	FB	TF	200.39	4.88	AT/BELOW 8000					
TTONE	355451.91N/1151230.29W	Y	FB	TF	138.28	6.26	AT/ABOVE 8000					
VIVVS	355157.17N/1150629.89W	Y	FB	TF	120.76	5.68	AT/ABOVE 10000					
SGFRD	355349.46N/1143134.87W	Y	FB	TF	086.06	28.44	AT/ABOVE 17000					
NIITZ	355319.52N/1133200.85W	Y	FB	TF	090.30	48.40						
RW26R (AER)*	360435.05N/1150732.94W*	N	-	-	-	-						*DSPL THLD (1399.0 FT)
-	360434.77N/1151226.20W	-	-	VI	269.95	3.96						CG 500 FT/NM TO 2682 THEN MIN CG 240 FT/NM TO 5000.
RUDYY	360407.63N/1151532.31W	Y	FB	CF	259.80	2.55	AT/ABOVE 4000		AT/BELOW 230K			
SELLZ	355932.74N/1151738.02W	Y	FB	TF	200.39	4.88	AT/BELOW 8000					
TTONE	355451.91N/1151230.29W	Y	FB	TF	138.28	6.26	AT/ABOVE 8000					
VIVVS	355157.17N/1150629.89W	Y	FB	TF	120.76	5.68	AT/ABOVE 10000					
SGFRD	355349.46N/1143134.87W	Y	FB	TF	086.06	28.44	AT/ABOVE 17000					
NIITZ	355319.52N/1133200.85W	Y	FB	TF	090.30	48.40						
TRANSITIONS												
NIITZ	355319.52N/1133200.85W	Y	-	IF	-	-					NIITZ3.IWANS	

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2022

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NIITZ		THREE		NIITZ3.NIITZ		TWO		08/12/2021	27JAN2022
<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>
IWANS	354549.84N/1124044.20W	Y	FB	TF	099.92	42.36			
NIITZ	355319.52N/1133200.85W	Y	-	IF	-	-			NIITZ3.HOCEE
HOCEE	361049.55N/1113249.25W	Y	FB	TF	079.17	98.24			
NIITZ	355319.52N/1133200.85W	Y	-	IF	-	-			NIITZ3.SSKEE
IWANS	354549.84N/1124044.20W	Y	FB	TF	099.92	42.36			
SSKEE	353759.16N/1114927.53W	Y	FB	TF	100.37	42.49			
NIITZ	355319.52N/1133200.85W	Y	-	IF	-	-			NIITZ3.TUKRR
TUKRR	365111.14N/1113920.65W	Y	FB	TF	057.03	107.78			

