

**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.
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<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>EFFECTIVE DATE</u>
STAAV	EIGHT	STAAV8.STAAV	SEVEN	11/10/2016	17 AUG 2017

<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 RUNWAY 26L: CLIMB HEADING 258.95 TO 2682, THEN DIRECT POOLZ, THEN ON TRACK 336.83 TO CROSS TOMIS AT OR ABOVE 5000, THEN ON TRACK 035.91 TO CROSS BATIS AT OR ABOVE 6000, THEN ON TRACK 057.50 TO CROSS MEDOE AT OR ABOVE 7000, THEN ON TRACK 078.14 TO CROSS STAAV AT OR ABOVE 13000. THENCE...

TAKEOFF RUNWAY 26R: CLIMB HEADING 258.95 TO 2682, THEN DIRECT LEELN, THEN ON TRACK 336.16 TO CROSS TOMIS AT OR ABOVE 5000, THEN ON TRACK 035.91 TO CROSS BATIS AT OR ABOVE 6000, THEN ON TRACK 057.50 TO CROSS MEDOE AT OR ABOVE 7000, THEN ON TRACK 078.14 TO CROSS STAAV AT OR ABOVE 13000. 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>
VERKN	STAAV8.VERKN	STAAV	TRALR	TRACK 079.71	26.14	13000		
		TRALR	NICLE	TRACK 070.54	50.00	15000		
		NICLE	SUNYY	TRACK 031.12	27.22	15000		
		SUNYY	VERKN	TRACK 028.95	57.64	15000		
DOVE CREEK	STAAV8.DVC	STAAV	TRALR	TRACK 079.71	26.14	13000		
		TRALR	NICLE	TRACK 070.54	50.00	15000		
		NICLE	DVC VORTAC	TRACK 054.21	224.82	17000		
MILFORD	STAAV8.MLF	STAAV	FOLDD	TRACK 026.72	12.19	13000		
		FOLDD	DARDN	TRACK 026.42	13.71	13000		
		DARDN	MLF VORTAC	TRACK 020.90	128.92	13000		

PROCEDURAL DATA NOTES:

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: RNAV 1.

NOTE: RADAR REQUIRED.

NOTE: TAKE OFF RWYS 26L AND 26R, DO NOT EXCEED 220 KTS UNTIL BATIS.



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STAAV	EIGHT	STAAV8.STAAV	SEVEN	11/10/2016	17 AUG 2017

TAKEOFF MINIMUMS:
RWY 26L, 26R: STANDARD WITH MINIMUM CLIMB OF 313 FT PER NM TO 4500.

TAKEOFF OBSTACLES NOTES:
NOTE: RWY 26L: BLDG 1002 FT FROM DER, 250 FT LEFT OF CENTERLINE, 6 FT AGL/2183 FT MSL. RAILROAD, POLE BEGINNING 1857 FT FROM DER, 793 FT LEFT OF CENTERLINE, UP TO 2215 FT MSL. RAILROAD 2068 FT FROM DER, 796 FT LEFT OF CENTERLINE, 2218 FT MSL. POLE, RAILROAD BEGINNING 2148 FT FROM DER, 800 FT LEFT OF CENTERLINE, UP TO 2221 FT MSL. TREE, RAILROAD BEGINNING 2376 FT FROM DER, 780 FT LEFT OF CENTERLINE, UP TO 2232 FT MSL. TREE, RAILROAD BEGINNING 2528 FT FROM DER, 751 FT LEFT OF CENTERLINE, UP TO 2233 FT MSL. POLE 2861 FT FROM DER, 811 FT LEFT OF CENTERLINE, 36 FT AGL/2238 FT MSL. POLE 3167 FT FROM DER, 1144 FT LEFT OF CENTERLINE, 34 FT AGL/2242 FT MSL. POLE 3171 FT FROM DER, 1091 FT LEFT OF CENTERLINE, 34 FT AGL/2243 FT MSL. POLE 3313 FT FROM DER, 1200 FT LEFT OF CENTERLINE, 35 FT AGL/2246 FT MSL. SIGN, T-L TWR BEGINNING 3672 FT FROM DER, 145 FT LEFT OF CENTERLINE, UP TO 2256 FT MSL. POLE, BLDG BEGINNING 4223 FT FROM DER, 1389 FT LEFT OF CENTERLINE, UP TO 2274 FT MSL. BLDG 4554 FT FROM DER, 1593 FT LEFT OF CENTERLINE, 2277 FT MSL. BLDG 4687 FT FROM DER, 1685 FT LEFT OF CENTERLINE, 53 FT AGL/2279 FT MSL. BLDG 4719 FT FROM DER, 1754 FT LEFT OF CENTERLINE, 61 FT AGL/2290 FT MSL. BLDG 4954 FT FROM DER, 1694 FT LEFT OF CENTERLINE, 61 FT AGL/2291 FT MSL. TRMSN TWR 5469 FT FROM DER, 1056 FT LEFT OF CENTERLINE, 2297 FT MSL. POLE 5879 FT FROM DER, 1519 FT LEFT OF CENTERLINE, 2309 FT MSL. POLE 6019 FT FROM DER, 2022 FT RIGHT OF CENTERLINE, 101 FT AGL/2309 FT MSL. POLE 1 NM FROM DER, 1720 FT LEFT OF CENTERLINE, 46 FT AGL/2311 FT MSL. POLE 1 NM FROM DER, 1922 FT LEFT OF CENTERLINE, 45 FT AGL/2311 FT MSL. TOWER 1.1 NM FROM DER, 1843 FT LEFT OF CENTERLINE, 80 FT AGL/2332 FT MSL. POLE 1.8 NM FROM DER, 1817 FT LEFT OF CENTERLINE, 131 FT AGL/2435 FT MSL.

NOTE: RWY 26R: NAVAIDS, BLDG BEGINNING 533 FT FROM DER, 367 FT LEFT OF CENTERLINE, UP TO 14 FT AGL/2206 FT MSL. NAVAIDS BEGINNING 533 FT FROM DER, ON CENTERLINE, UP TO 5 FT AGL/2195 FT MSL. VEHICLES ON ROAD BEGINNING 666 FT FROM DER, CROSSING LEFT AND RIGHT OF CENTERLINE, UP TO 2208 FT MSL. POLE 785 FT FROM DER, 592 FT LEFT OF CENTERLINE, 2218 FT MSL. POLE, TREE BEGINNING 786 FT FROM DER, 8 FT LEFT OF CENTERLINE, UP TO 2220 FT MSL. TREES BEGINNING 821 FT FROM DER, 49 FT RIGHT OF CENTERLINE, UP TO 25 FT AGL/2214 FT MSL. POLE, SIGN, TREE, BLDG BEGINNING 873 FT FROM DER, 347 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/2234 FT MSL. TREES BEGINNING 952 FT FROM DER, 48 FT RIGHT OF CENTERLINE, UP TO 2233 FT MSL. POLE, TREE, RAILROAD BEGINNING 1093 FT FROM DER, 531 FT LEFT OF CENTERLINE, UP TO 38 FT AGL/2237 FT MSL. TREES BEGINNING 1559 FT FROM DER, 555 FT RIGHT OF CENTERLINE, UP TO 2259 FT MSL. TREE, BLDG, RAILROAD BEGINNING 1812 FT FROM DER, 191 FT LEFT OF CENTERLINE, UP TO 2246 FT MSL. BLDG 2501 FT FROM DER, 881 FT LEFT OF CENTERLINE, 2254 FT MSL. POLES BEGINNING 3002 FT FROM DER, 543 FT LEFT OF CENTERLINE, UP TO 44 FT AGL/2271 FT MSL. POLES BEGINNING 3005 FT FROM DER, 743 FT LEFT OF CENTERLINE, UP TO 48 FT AGL/2277 FT MSL. POLE 3116 FT FROM DER, 1022 FT RIGHT OF CENTERLINE, 101 FT AGL/2309 FT MSL. SIGN 3339 FT FROM DER, 278 FT LEFT OF CENTERLINE, UP TO 2286 FT MSL. COMMUNICATION TWR 4521 FT FROM DER, 704 FT RIGHT OF CENTERLINE, 2332 FT MSL. SIGN 1.3 NM FROM DER, 2649 FT LEFT OF CENTERLINE, 80 FT AGL/2384 FT MSL. POLE 1.5 NM FROM DER, 2801 FT LEFT OF CENTERLINE, 100 FT AGL/2444 FT MSL. POLE 1.6 NM FROM DER, 2832 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/2455 FT MSL. POLE, COMMUNICATION TWR BEGINNING 1.7 NM FROM DER, 2068 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/2463 FT MSL. POLE 1.7 NM FROM DER, 2845 FT LEFT OF CENTERLINE, 135 FT AGL/2469 FT MSL. TRANSMISSION TWR 2.1 NM FROM DER, 3453 FT LEFT OF CENTERLINE, 134 FT AGL/2490 FT MSL.

CONTROLLING OBSTACLES:
RWY 26L, 26R: 3674 FT MSL AAO 360314.02N/1151911.83W.

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
CHART SPEED ICON: MAXIMUM SPEED 220 KIAS AT BATIS.
CHART: TOP ALTITUDE: FL190
REFERENCE MAG VAR: KLAS 11E EPOCH YR: 2020
DME/DME ASSESSMENT SAT (RNP 2.0)

AIRPORTS SERVED:	AIRPORT NAME	CITY	STATE
	MCCARRAN INTL	LAS VEGAS	NV

COMMUNICATIONS:
ATIS, CLNC DEL, GND CON, LAS TWR, LAS DEP CON



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

ABBREVIATED AMENDMENT -- THIS AMENDMENT DOES NOT FULFILL THE REQUIREMENT FOR A PERIODIC REVIEW.

FLIGHT INSPECTED BY:

SCOTT A THOMPSON

Digitally signed by
STEVEN A VARGAS
Jun 20, 2017

OFFICE SYMBOL:

FICO

DATE:

6/8/17

DEVELOPED BY:*Digitally signed by*

JEFFREY ROBINSON **JEFFREY ROBINSON**
Apr 13, 2017

OFFICE SYMBOL:

AJV-5421

DATE:

03/28/2017

APPROVED BY:*Digitally signed by*

JULIE MORGAN **STEVEN A VARGAS**
May 09, 2017

OFFICE SYMBOL:

AJV-5420

DATE:**REQUIRED EFFECTIVE DATE:**

ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:

ZLA, LAS APP CON, APT MGR

CHANGES - REASONS:**CHANGES:**

1. INCREASED ALL MAGNETIC HEADINGS/COURSES/TRACKS BY 4 DEGREES.
2. CHANGED TAKEOFF MINIMUMS CLIMB GRADIENT/CLIMB-TO ALTITUDE FOR RWY 26L FROM "209 FT PER NM TO 2400 FT" TO "313 FT PER NM TO 4500."
3. REMOVED CEILING AND VISIBILITY MINIMUMS FOR RWY 26L AND 26R.
4. UPDATED TAKEOFF OBSTACLE NOTES TO MATCH 8260-15A.
5. CHANGED RWY 25L AND 25R CONTROLLING OBSTACLE FROM 2332 FT MSL TWR TO 3674 FT MSL AAO; REMOVED 12115 FT MSL AAO FROM CONTROLLING OBSTACLES.
6. UPDATED ADDITIONAL FLIGHT DATA MAG VAR INFORMATION FROM 15E/EY1980 TO 11E/EY2020.

REASONS:

- 1, 6. KLAS MAG VAR CHANGE FROM 15E TO 11E.
2. TO MITIGATE HIGH TERRAIN WEST OF THE AIRPORT AND TO MIRROR THE TAKEOFF MINIMUMS FOR RWY 26R.
3. CONTROLLING OBSTACLE IS BEYOND 3 SM, SO CEILING AND VISIBILITY OPTION IS INAPPROPRIATE.
4. 8260-15A AMENDED TO INCORPORATE TARGETS 5.2 OBSTACLE GROUPER METHODOLOGY.
5. TO DEPICT THE MOST ADVERSE OBSTACLE PERTAINING TO THE ROUTE OF FLIGHT.

QUALITY
3
CHECKED

**FEDERAL AVIATION ADMINISTRATION
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DEPARTURE (DATA RECORD)**

DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	EFFECTIVE DATE
STAAV							EIGHT	STAAV8.STAAV	SEVEN	11/10/2016	17 AUG 2017
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	-				CG 313 FT PER NM TO 4500	
POOLZ	360425.00N/1151655.00W	Y	FB	DF	-	-					
TOMIS	360837.00N/1151802.00W	Y	FB	TF	347.83	4.29	AT/ABOVE 5000				
BATIS	361017.49N/1151549.49W	Y	FB	TF	046.91	2.45	AT/ABOVE 6000	AT/BELOW 220K			
MEDOE	361146.00N/1151112.00W	Y	FB	TF	068.50	4.02	AT/ABOVE 7000				
STAAV	361201.16N/1144658.24W	Y	FB	TF	089.14	19.61	AT/ABOVE 13000				
RW26R (AER)*	360435.06N/1150732.94W*	N	-	-	-	-				*DISPL THLD (1396 FT)	
2682 MSL		-	-	VA	269.95	-				CG 313 FT PER NM TO 4500	
LEELN	360435.00N/1151654.00W	Y	FB	DF	-	-					
TOMIS	360837.00N/1151802.00W	Y	FB	TF	347.16	4.13	AT/ABOVE 5000				
BATIS	361017.49N/1151549.49W	Y	FB	TF	046.91	02.45	AT/ABOVE 6000	AT/BELOW 220K			
MEDOE	361146.00N/1151112.00W	Y	FB	TF	068.50	4.02	AT/ABOVE 7000				
STAAV	361201.16N/1144658.24W	Y	FB	TF	089.14	19.61	AT/ABOVE 13000				
STAAV	361201.16N/1144658.24W	Y	-	IF	-	-	AT/ABOVE 13000		STAAV8.DVC		
TRALR	361137.33N/1141440.59W	Y	FB	TF	090.71	26.14					
NICLE	361843.67N/1131328.96W	Y	FB	TF	081.54	50.00					
DVC VORTAC	374831.46N/1085552.59W	Y	FB	TF	065.21	224.82					

QUALITY
3
CHECKED

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
STAAV	361201.16N/1144658.24W	Y	-	IF	-	-	AT/ABOVE 13000		STAAV8.MLF
FOLDD	362140.28N/1143744.04W	Y	FB	TF	037.72	12.19	AT/ABOVE 17000		
DARDN	363233.81N/1142723.93W	Y	FB	TF	037.42	13.71			
MLF VORTAC	382137.28N/1130047.64W	Y	FB	TF	031.90	128.92			

STAAV	361201.16N/1144658.24W	Y	-	IF	-	-	AT/ABOVE 13000		STAAV8.VERKN
TRALR	361137.33N/1141440.59W	Y	FB	TF	090.71	26.14			
NICLE	361843.67N/1131328.96W	Y	FB	TF	081.54	50.00			
SUNYY	363854.44N/1125047.99W	Y	FB	TF	042.12	27.22			
VERKN	372300.05N/1120421.69W	Y	FB	TF	039.95	57.64			

