

**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SUPERSEDED NUMBER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>
MCCARRAN	EIGHT	MCCRN8.LAS	SEVEN	10/31/2024	17APR2025

<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"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 1L, 1R: CLIMB ON HEADING 013.92 TO 2600, THEN CLIMBING LEFT TURN HEADING 220.00, THENCE...
 TAKEOFF RWY 8L, 8R: CLIMB ON HEADING 078.93, THENCE...
 TAKEOFF RWY 19L, 19R: CLIMB ON HEADING 193.92, THENCE...
 TAKEOFF RWY 26L, 26R: CLIMB ON HEADING 258.95 UNTIL LAS VORTAC 3.00 DME, THEN CLIMBING LEFT TURN HEADING 190.00, THENCE...

...FOR RADAR VECTORS TO ASSIGNED TRANSITION OR ASSIGNED ROUTE. MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE TWO 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>
LIDAT	MCCRN8.LIDAT	JOHKR	BTY VORTAC	307.89 (BTY-R-128)	66.93	14000	8700	JOHKR AT/ABOVE 14000
		BTY VORTAC	LIDAT	310.15 & 308.53 (BTY R-310 & OAL R-129)	45.51	11000	9700	
HECTOR	MCCRN8.HEC	RADYR	HEC VORTAC	212.99 & 212.07 (BLD R-213 & HEC R-032)	71.83	12000	10500	RADYR AT/ABOVE 10000
TWENTYNINE PALMS	MCCRN8.TNP	RADYR	GFS VORTAC	145.14 (GFS R-325)	30.45	12000	10000	RADYR AT/ABOVE 10000
		GFS VORTAC	JOTNU	185.00 (GFS R-185)	51.30	12000	7900	
		JOTNU	TNP VORTAC	208.00 (TNP R-028)	17.51	12000	7900	

PBN REQUIREMENT NOTES:

EQUIPMENT REQUIREMENT NOTES:

RADAR AND DME REQUIRED.

PROCEDURAL DATA NOTES:

TAKEOFF MINIMUMS:

RWY 1L, 1R: STANDARD WITH MINIMUM CLIMB OF 526 FT/NM TO 7000.
 RWY 8L, 8R: STANDARD WITH MINIMUM CLIMB OF 440 FT/NM TO 7000.
 RWY 19L, 19R, 26L, 26R: STANDARD WITH MINIMUM CLIMB OF 410 FT/NM TO 7000.

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.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
MCCARRAN	EIGHT	MCCRN8.LAS	SEVEN	10/31/2024	17APR2025

RWY 8L, 8R: 5506 FT MSL AAO 360124.00N/1143709.00W.
 RWY 19L, 19R, 26L, 26R: 5895 FT MSL AAO 355333.91N/1152323.36W.

MSA:
 MSA FROM KLAS 13200

LOST COMMUNICATIONS PROCEDURES:
 IF NO CONTACT WITH ATC UPON REACHING 7000, PROCEED DIRECT BLD VORTAC THEN CLIMB IN BLD VORTAC HOLDING PATTERN TO THE APPROPRIATE MEA FOR ROUTE OF FLIGHT.

ADDITIONAL FLIGHT DATA:
 CHART: TOP ALTITUDE: ASSIGNED BY ATC
 CHART: HOLDING AT BLD VORTAC, HOLD SE, RT, 330.00 INBOUND.
 CHART: COP: BLD 83/HEC 23.
 CHART: COP: BTY 34/OAL 53.
 CHART NOTE: RWY 1L, 1R: 3229 FT MSL MONUMENT, 3 NM NORTH OF DER. NUMEROUS BUILDINGS FROM 0.6 NM NORTHWEST TO 2.5 NM NORTH OF DER, UP TO 2779 FT MSL.
 AIRPORT MV: LAS 11E/2020

AIRPORTS SERVED:

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

COMMUNICATIONS:
 CHART: ATIS, CLNC DEL, GND CON, LAS VEGAS TOWER

FIXES AND/OR NAVAIDS:
 BLD VORTAC, OAL VORTAC.

REMARKS:
 PUBLISHED CLIMB GRADIENTS/CLIMB-TO ALTITUDES REQUIRED TO COMPLY WITH MINIMUM VECTORING ALTITUDES.

COP ON LIDAT TRANSITION (BTY 34/OAL 53) MATCHES V105-135.

COP ON HEC TRANSITION (BLD 83/ HEC 23) MATCHES V21-283.

45 FT VEGETATION USED FOR EVALUATION.

WAIVER TO NOT PUBLISH A DVA TO MITIGATE 40:1 OCS PENETRATIONS. PER WAIVER ATC REQUEST CGTA ALTITUDE TO 7000 FOR RADAR VECTORS.

LQA: RWY 01L/R CLIMB GRADIENT EXCEEDS 500 FEET PER NM.



<u>DP NAME</u> MCCARRAN	<u>NUMBER</u> EIGHT	<u>DP COMPUTER CODE</u> MCCRN8.LAS	<u>SUPERSEDED NUMBER</u> SEVEN	<u>DATED</u> 10/31/2024	<u>ACTUAL EFFECTIVE DATE</u> 17APR2025
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<u>FLIGHT INSPECTED BY</u> THOMAS E MOLOKIE	<u>SIGNATURE</u> <i>Digitally Signed by</i> ALLAN WILL Feb 14, 2025	<u>OFFICE</u> AJF	<u>DATE</u> 02/10/2025
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<u>DEVELOPED BY</u> RAYMOND R JOHNSON	<u>SIGNATURE</u> <i>Digitally signed by</i> RAYMOND R JOHNSON Nov 19, 2024	<u>OFFICE</u> AJV-A423	<u>DATE</u> 10/22/2024
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<u>APPROVED BY</u> ALLAN WILL	<u>SIGNATURE</u> <i>Digitally signed by</i> ALLAN WILL	<u>OFFICE</u> AJV-A423	<u>DATE</u>	<u>TITLE</u> MANAGER
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REQUIRED EFFECTIVE DATE
ROUTINE

Feb 14, 2025

COORDINATED WITH:

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

CHANGES - REASONS:

1. CHANGED DP RTE DESCRIPTION: TAKEOFF RWY 1L, 1R FROM CLIMB ON HEADING 014.00 TO 2600, THEN CLIMBING LEFT TURN HEADING 200.00, THENCE... TO CLIMB ON HEADING 014.00 TO 2600, THEN CLIMBING LEFT TURN HEADING 220.00, THENCE... - HEADING CHANGED PER FPT FOR DECONFLICTION OF AIR TRAFFIC, CORRECT UPDATED CRITERIA (8260.46J) & PER FLIGHT STANDARDS.
2. CHANGED DP RTE DESCRIPTION: TAKEOFF RWY 8L, 8R FROM CLIMB ON HEADING 079.00, THENCE...TO CLIMB ON HEADING 078.93.00, THENCE...- CORRECTED TO RUNWAY HEADING.
3. CHANGED DP RTE DESCRIPTION: TAKEOFF RWY 19L, 19R FROM CLIMB ON HEADING 194.00, THENCE...TO CLIMB ON HEADING 193.92, THENCE...- CORRECTED TO RUNWAY HEADING.
4. CHANGED DP RTE DESCRIPTION: TAKEOFF RWY 26L, 26R FROM CLIMB ON HEADING 259.00 UNTIL LAS VORTAC 3.00 DME, THEN CLIMBING LEFT TURN HEADING 190.00, THENCE...TO CLIMB ON HEADING 258.95 UNTIL LAS VORTAC 3.00 DME, THEN CLIMBING LEFT TURN HEADING 190.00, THENCE... - CORRECTED TO RUNWAY HEADING.
5. REMARKS: ADDED WAIVER TO NOT PUBLISH A DVA TO MITIGATE 40:1 OCS PENETRATIONS. PER WAIVER ATC REQUEST CGTA ALTITUDE TO 7000 FOR RADAR VECTORS. - L30 IMPLEMENTATION PLAN, ATC USING MVA VECTORING CHARTS.
6. REMARKS: REMOVED DP RTE DESCRIPTION AND MINIMUMS CHANGE BY AN ABBREVIATED AMENDMENT- APPROVED BY FLIGHT STANDARDS AND L30 - NO LONGER NEEDED.
7. REMARKS: REMOVED DELETE NOTE: TNP AND HEC TRANSITIONS TURBOJETS ONLY - NO LONGER NEEDED.
8. REMAKRS: ADDED LOA: RWY 01L/R CLIMB GRADIENT EXCEEDS 500 FEET PER NM.

