

**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SUPERSEDED NUMBER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>
HOOVER	EIGHT	HOOVR8.LAS	SEVEN	02/25/2021	08SEPT2022

<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 2500, THEN CLIMBING RIGHT TURN HEADING 060.00 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...

...RADAR VECTORS TO 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>
DOVE CREEK	HOOVR8.DVC	GIDGT	NICLE	066.00 (LAS R-066)	49.80	FL240	10000	GIDGT AT/ABOVE 10000
		NICLE	PGA VOR/DME	054.17 (PGA R-234)	93.51	FL240	10900	
		PGA VOR/DME	DVC VORTAC	052.63 & 053.16 (PGA R-053 & DVC R-233)	131.33	FL260	11700	
MILFORD	HOOVR8.MLF	RATPK	MMM VORTAC	018.85 (MMM R-199)	29.27	10000	6700	RATPK AT/ABOVE 8500
		MMM VORTAC	MLF VORTAC	015.93 & 016.70 (MMM R-016 & MLF R-197)	112.82	10000	9900	
DRAKE	HOOVR8.DRK	SOOSN	IGM VOR/DME	122.92 (IGM R-303)	30.00	10000	9200	SOOSN AT/ABOVE 10000
		IGM VOR/DME	DRK VORTAC	099.58 & 101.42 (IGM R-100 & DRK R-281)	79.08	17000	10500	
BAVPE	HOOVR8.BAVPE	CHALL	COWBY	080.00 (BLD R-080)	17.00	10000	8100	CHALL AT/ABOVE 10000
		COWBY	PGS VOR/DME	120.77 (PGS R-301)	25.03	10000	8000	
		PGS VOR/DME	CUTRO	075.87 (PGS R-076)	56.82	FL180	9200	CUTRO AT/ABOVE FL180
		CUTRO	BAVPE	076.00 (PGS R-076)	24.62	FL180	10500	

PROCEDURAL DATA NOTES:

NOTE: TURBOJETS ONLY.

PBN REQUIREMENTS NOTES:

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
HOOVER	EIGHT	HOOVR8.LAS	SEVEN	02/25/2021	08SEPT2022

EQUIPMENT REQUIREMENT NOTES:

RADAR AND DME REQUIRED.

TAKEOFF MINIMUMS:

RWY 1L, 1R: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 7000.

RWY 8L, 8R: STANDARD WITH MINIMUM CLIMB OF 440 FT PER NM TO 7000.

RWY 19L, 19R, 26L, 26R: STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 7000.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 1L, 1R: 4279 FT MSL AAO 361036.25N/1145954.43W.

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:**LOST COMMUNICATIONS PROCEDURES:**

IF NO CONTACT WITH ATC UPON REACHING 7000, PROCEED DIRECT BLD VORTAC THEN CLIMB IN BLD VORTAC HOLDING PATTERN TO 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.

REFERENCE MAG VAR: KLAS 11E EPOCH YR: 2020.

AIRPORTS SERVED:

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

COMMUNICATIONS:

CHART: CLNC DEL, GND CON, LAS ATCT

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

NOISE SCREEN WAS ACCOMPLISHED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS UTILIZING THE ATNS 2.0 PROGRAM.

PUBLISHED CLIMB GRADIENTS/CLIMB-TO ALTITUDES FOR RWY 1L, 1R, 8L, 8R, 19L, 19R, 26L, 26R REQUIRED TO COMPLY WITH MINIMUM VECTORING ALTITUDES

ALL RWYS EVALUATED AS SINGLE SECTOR DEPARTURE USING SECTOR DEPARTURE CRITERIA IN 8260.3E, CHAPTER 13.

WAIVER TO NOT PUBLISH A DVA TO MITIGATE 40:1 OCS PENETRATIONS - ORDER 8260.46 PARAGRAPH 2-1-5 A(4) USE FORM 8260-15D TO DOCUMENT A DVA.

AFS MEMO DATED FEBRUARY 22, 2021 SUBJECT: LAS VEGAS (KLAS) MCARRAN AND HOOVER SIDS EVALUATED WITH ISOLATING OBSTACLES AND DVA CRITERIA.

DO NOT CHART MOCA: FROM MMM VORTAC TO MLF VORTAC.



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HOOVER	EIGHT	HOOVR8.LAS	SEVEN	02/25/2021	08SEPT2022

FLIGHT INSPECTED BY

GARY J VEER

*Digitally signed by***ALLAN WILL**

Jun 06, 2022

OFFICE

FPO

DATE

06/03/2022

DEVELOPED BY

DEAN GRACEY

*Digitally signed by***DEAN GRACEY**

May 09, 2022

OFFICE

AJV-A423

DATE

03/28/2022

APPROVED BY

MARLON ROBINSON

*Digitally signed by***ALLAN WILL**

Jun 06, 2022

OFFICE

AJV-A420

DATETITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

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

CHANGES - REASONS:

1. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART: TOP ALTITUDE: 7000" TO "CHART: TOP ALTITUDE: ASSIGNED BY ATC - PER AFS.
2. DP ROUTE DESCRIPTION: CHANGED FROM "...RADAR VECTORS TO TRANSITION OR ASSIGNED ROUTE. MAINTAIN 7000, EXPECT CLEARANCE TO FILED ALTITUDE TWO MINUTES AFTER DEPARTURE" TO "...RADAR VECTORS TO (TRANSITION) OR ASSIGNED ROUTE. MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT CLEARANCE TO FILED ALTITUDE TWO MINUTES AFTER DEPARTURE - PER AFS AND IAW 8260.46H.
3. TRANSITIONS: UPDATED TRANSITION COMPUTER CODES FROM "HOOVR7.(TRANSITION)" TO "HOOVR8.(TRANSITION)" - ADMINISTRATIVE.
4. TRANSITIONS: INCREASED DRAKE TRANSITION MOCA BETWEEN IGM VOR/DME AND DRK VORTAC FROM 9700 FT TO 10500 FT - PER FLIGHT INSPECTION.
5. TAKEOFF MINIMUMS: CHANGED RWY 1L, 1R FROM "STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 5200" TO "STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 7000" AND CHANGED RWY 19L, 19R, 26L, 26R FROM "STANDARD WITH MINIMUM CLIMB OF 360 FT PER NM TO 7000" TO "STANDARD WITH MINIMUM CLIMB OF 410 FT PER NM TO 7000" - PER AFS.
6. PROCEDURAL DATA NOTES: MOVED "RADAR AND DME REQUIRED" TO EQUIPMENT REQUIREMENT NOTES - IAW 8260.46H 2-1-1, F(3).
7. PROCEDURAL DATA NOTES: ADDED NOTE: TURBOJETS ONLY - PER AFS AND IAW 8260.46H APPENDIX D, SECTION 2.7.
8. REMARKS: CHANGED REFERENCE FROM "8260.3D, SECTION 14-3" TO "8260.3E, CHAPTER 13" - IAW 8260.3E UPDATE.
9. REMARKS: ADDED "WAIVER TO NOT PUBLISH A DVA TO MITIGATE 40:1 OCS PENETRATIONS - ORDER 8260.46 PARAGRAPH 2-1-5 A(4) USE FORM 8260-15D TO DOCUMENT A DVA" AND "AFS MEMO DATED FEBRUARY 22, 2021 SUBJECT: LAS VEGAS (KLAS) MCARRAN AND HOOVER SIDS EVALUATED WITH ISOLATING OBSTACLES AND DVA CRITERIA" - IAW 8260.46H APPENDIX D, SECTION 2.17.
10. REMARKS: ADDED "DO NOT CHART MOCA: FROM MMM VORTAC TO MLF VORTAC" - IAW MEMO JULY 1, 2021 AND 8260.46H APPENDIX D, SECTION 2.17 APPENDIX E, SECTION 1.4 AND SECTION 1.17.
11. TRANSITIONS: CHANGED THE COURSE BETWEEN IGM VOR/DME AND DRK VORTAC FROM "099.58 & 281.42" TO "099.58 & 101.42" - ADMINISTRATIVE.

QUALITY
12
CHECKED