

**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SUPERSEDED NUMBER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>
DIVIDE	TWO	DIVD2.HLN	ONE	06/30/2011	02/23/2023

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**DP ROUTE DESCRIPTION:**

**TAKEOFF RWY 5:** CLIMBING LEFT TURN TO HEADING 274, THENCE...

**TAKEOFF RWY 9:** CLIMBING LEFT TURN TO HEADING 274, THENCE...

**TAKEOFF RWY 27:** CLIMBING RIGHT TURN TO HEADING 024, THENCE...

...CONTINUE CLIMB TO INTERCEPT HLN R-322 NORTHWEST BOUND TO 8100, THEN CLIMBING RIGHT TURN DIRECT HLN VORTAC, CROSS HLN VORTAC AT OR ABOVE 9000 BEFORE PROCEEDING ON COURSE.

VCOA RWY 5, 9, 27: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS HELENA RGNL AIRPORT NORTHBOUND AT OR ABOVE 6700, THEN CONTINUE CLIMB AND PROCEED ON HLN R-340 TO WOKEN INT BEFORE PROCEEDING ON COURSE.

**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>

**PROCEDURAL DATA NOTES:**

**PBN REQUIREMENTS NOTES:**

**EQUIPMENT REQUIREMENT NOTES:**

**TAKEOFF MINIMUMS:**

**RWY 10, 17, 23, 28, 35:** NA - ENVIRONMENTAL.

**RWY 5:** STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 8100 FT, OR 3000-3 FOR CLIMB IN VISUAL CONDITIONS.

**RWY 9:** STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 8100 FT, OR 3000-3 FOR CLIMB IN VISUAL CONDITIONS.

**RWY 27:** STANDARD WITH MINIMUM CLIMB OF 390 FT PER NM TO 8100 FT, OR 3000-3 FOR CLIMB IN VISUAL CONDITIONS.

**TAKEOFF OBSTACLES NOTES:**

**NOTE: RWY 5:** RISING TERRAIN BEGINNING 4 FT FROM DER, 373 FT RIGHT OF CENTERLINE, UP TO 3826 FT MSL. TERRAIN BEGINNING 178 FT FROM DER, 447 FT RIGHT OF CENTERLINE, UP TO 3827 FT MSL. FENCE BEGINNING 358 FT FROM DER, 374 FT RIGHT OF CENTERLINE, UP TO 3833 FT MSL. BUILDINGS BEGINNING 1097 FT FROM DER, 616 FT RIGHT OF CENTERLINE, UP TO 3854 FT MSL.

**NOTE: RWY 9:** TERRAIN 14 FT FROM DER, 95 FT RIGHT OF CENTERLINE, 3846 FT MSL. VEHICLE ON ROAD 1171 FT FROM DER, 677 FT RIGHT OF CENTERLINE, 3876 FT MSL. VEHICLE ON ROAD 1275 FT FROM DER, 811 FT RIGHT OF CENTERLINE, 3880 FT MSL. POLE 1664 FT FROM DER, 815 FT RIGHT OF CENTERLINE, 3887 FT MSL.

**NOTE: RWY 27:** TERRAIN 64 FT FROM DER, 431 FT LEFT OF CENTERLINE, 3870 FT MSL. VEHICLES ON ROADS, TERRAIN AND POLE BEGINNING 84 FT FROM DER, 118 FT LEFT OF CENTERLINE, UP TO 3886 FT MSL. VEHICLES ON ROADS BEGINNING 949 FT FROM DER, 625 FT LEFT OF CENTERLINE, UP TO 3894 FT MSL. POLE 1474 FT FROM DER, 790 FT LEFT OF CENTERLINE, 3907 FT MSL.

TREES AND BUILDINGS BEGINNING 1582 FT FROM DER, 616 FT LEFT OF CENTERLINE, UP TO 3917 FT MSL. POLE 2081 FT FROM DER, 1024 FT LEFT OF CENTERLINE, 3940 FT MSL.

POLE 2611 FT FROM DER, 1147 FT LEFT OF CENTERLINE, 3944 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 27:** 5452 FT MSL AAO 464035.42N/1120504.55W (CLIMB GRADIENT), 6328 FT MSL AAO 464944.00N/1120731.70W (CLIMB-TO ALTITUDE).

**VISUAL CLIMB AREA OBSTACLE:** 6240 FT MSL AAO 463208.49N/112232.16W.



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DIVIDE	TWO	DIVD2.HLN	ONE	06/30/2011	02/23/2023

**MSA:**

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

**AIRPORT MV:** HLN (P) 12E/2025.

**CHART:** HLN R-322.

**CHART:** HLN R-340.

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KHLN	HELENA	MT

**COMMUNICATIONS:**

**CHART:** ZLC ARTCC, HLN ATCT, HLN GND CON, ATIS.

**FIXES AND/OR NAVAIDS:**

**REMARKS:**

1. ABBREVIATED AMENDMENT.
2. MAXIMUM 100 FT VEGETATION HEIGHT USED.
3. OPERATIONAL CG ESTABLISHED FOR RWY 5 AND RWY 9 TO FACILITATE CLIMB TO 8100.
4. PRECIPITOUS TERRAIN EVALUATED AND IDENTIFIED IN VCOA; 131 FEET ADDED TO VISUAL CLIMB AREA ROC.

**FLIGHT INSPECTED BY**

*Digitally signed by*

**OFFICE**

**DATE**

PENDING

**JOHNNIE BAKER**

Dec 22, 2022

**DEVELOPED BY**

*Digitally signed by*

**OFFICE**

**DATE**

ERIC N SUSKI (MICHAEL MCCARTNEY)

**JOHNNIE BAKER**

Dec 22, 2022

AJV-A431

09/01/2022

**APPROVED BY**

*Digitally signed by*

**OFFICE**

**DATE**

**TITLE**

JOHNNIE BAKER

**JOHNNIE BAKER**

AJV-A430

MANAGER

**REQUIRED EFFECTIVE DATE**

Dec 22, 2022

02/23/2023

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZLC, HLN APP CON, HLN ATCT, AMGR

**CHANGES - REASONS:**

1. INCREASED ALL HEADINGS 4 DEGREES AND ADDED TO ADDITIONAL FLIGHT DATA "AIRPORT MV: HLN (P) 12E2025". - KHLN AIRPORT MAGNETIC VARIATION CHANGED FROM 16E (EPOCH YEAR 1990) TO 12E (EPOCH YEAR 2025) AND ADDED IAW AJV-A MEMORANDUM, "MAGNETIC VARIATION DOCUMENTATION FOR STANDARD INSTRUMENT DEPARTURES AND GRAPHIC OBSTACLE DEPARTURE PROCEDURES", DATED 07/15/2022.
2. INCREASED ALL HLN VORTAC COURSES AND RADIALS 4 DEGREES. - HLN VORTAC MAGNETIC VARIATION CHANGED FROM 16E (EPOCH YEAR 1990) TO 12E (EPOCH YEAR 2025).
3. CHANGED DP COMPUTER CODE SUFFIX FROM ".DIVD" TO ".HLN". - UPDATED TO CURRENT CRITERIA IAW FAAO 8260.46H 3-1-3.D AND FIGURES 3-1-1 AND 3-1-2.
4. CHANGED TAKEOFF MINIMUMS RWY 23 FROM "STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 8100 FT, OR 2200-3 FOR CLIMB IN VISUAL CONDITIONS" TO "NA -



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- ENVIRONMENTAL". - INCORPORATES NOTAM FDC 2/8579 (KHLN A5015/22).
5. ADDED TAKEOFF MINIMUMS RWY 10, 28 NA - ENVIRONMENTAL. - RWY 10, 28 ARE UNPAVED RUNWAYS WITHOUT A VERTICAL SURVEY AND RAPT APPROVAL IAW AJV-A SOP "UNPAVED RUNWAYS" DATED 3/16/2020.
  6. UPDATED TAKEOFF OBSTACLE NOTES AND DELETED RWY 23 FROM TAKEOFF OBSTACLE NOTES. - RWY 23 IS NOW NA - ENVIRONMENTAL.
  7. DELETED RWY 23 CONTROLLING OBSTACLE. - RWY 23 IS NOW NA - ENVIRONMENTAL.
  8. ADDED RWY 27 CONTROLLING OBSTACLES ENTITY AND UPDATED LAT/LONG FORMAT FROM "5452 FT MSL AAO 464035.42N-1120504.55W, 6328 FT MSL AAO 464944.00N-1120731.70W" TO "5452 FT MSL AAO 464035.42N/1120504.55W (CLIMB GRADIENT), 6328 FT MSL AAO 464944.00N/1120731.70W (CLIMB-TO ALTITUDE)". - ENTITY REQUIRED AND FORMAT IAW FAAO 8260.46H APPENDIX D.SECTION 2.10A. AND SECTION 2.10.B.
  9. CHANGED VCOA VISUAL CLIMB AREA CONTROLLING OBSTACLE ALL RUNWAYS FROM "5560 FT MSL TREE 463506.30N-1120407.30W" TO 6240 FT MSL AAO 463208.49N/112232.16W, AND UDPATED VERBIAGE FROM "VCOA" TO "VISUAL CLIMB AREA OBSTACLE" AND LAT/LONG FORMAT FROM "-" TO "/". - NEW CONTROLLING OBSTACLE AND UDPATED VERBIAGE IAW FAAO 8260.46H APPENDIX D.SECTION 1.10.D.
  10. CHANGED TAKEOFF MINIMUMS RWY 5, 9, 27 VCOA CEILING AND VISIBILITY FROM 2200-3 TO 3000-3. - NEW CONTROLLING OBSTACLE.
  11. CHANGED DP ROUTE DESCRIPTION TEXTUAL DEPARTURE ROUTING FROM "...CONTINUE CLIMB NORTHWESTBOUND ON HLN R-318 TO 8100, THEN CLIMBING RIGHT TURN DIRECT HLN VORTAC, CROSS HLN VORTAC AT OR ABOVE 9000 BEFORE PROCEEDING ON COURSE," TO "...CONTINUE CLIMB TO INTERCEPT HLN R-322 NORTHWEST BOUND TO 8100, THEN CLIMBING RIGHT TURN DIRECT HLN VORTAC, CROSS HLN VORTAC AT OR ABOVE 9000 BEFORE PROCEEDING ON COURSE." - HLN VORTAC MAGNETIC VARIATION CHANGED, AND UPDATED VERBIAGE IAW FAAO 8260.46H APPENDIX D.SECTION 1.7.A.(3) AND FIGURE D.6
  12. SEPARATED VCOA TEXTUAL DESCRIPTION FROM DEPARTURE ROUTING TEXTUAL DESCRIPTION, AND UPDATED VERBIAGE, HLN VORTAC RADIAL AND CROSSING ALTITUDE FROM "OR FOR CLIMB IN VISUAL CONDITIONS; CROSS HELENA RGNL AIRPORT NORTHBOUND AT OR ABOVE 5900 AND CONTINUE CLIMBING ON HLN R-336 TO WOKEN INT BEFORE PROCEEDING ON COURSE" TO "VCOA RWY 5, 9, 27: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS HELENA RGNL AIRPORT NORTHBOUND AT OR ABOVE 6700, THEN CONTINUE CLIMB AND PROCEED ON HLN R-340 TO WOKEN INT BEFORE PROCEEDING ON COURSE." - NEW VCOA CONTROLLING OBSTACLE, HLN VORTAC MAGNETIC VARIATION CHANGED, AND UPDATED VERBIAGE IAW FAAO 8260.46H APPENDIX D.SECTION 1.8 AND FIGURE D-6.
  13. ADDED TO ADDITIONAL FLIGHT DATA "CHART: HLN R-340". - ADDED VCOA REFERENCE RADIAL.
  14. DELETED HLN VORTAC FROM FIXES AND/OR NAVAIDS - IT IS IN TEXTUAL DESCRIPTION OF DEPARTURE AND NOT REQUIRED IAW FAAO 8260.46H APPENDIX D.SECTION 2.15.
  15. ADDED "CHART:", "HLN GND CON" AND "ATIS" TO COMMUNICATIONS BLOCK AND DELETED RCO FSS. - UPDATED AGENCIES AND UPDATED VERBIAGE IAW FAAO 8260.46H APPENDIX D.SECTION 2.14.
  16. UPDATED DP ROUTE DESCRIPTION VERBIAGE RWY 5, 9, 27 FROM "TURN HEADING" TO "TURN TO HEADING". - UPDATED VERBIAGE IAW FAAO 8260.46H PARAGRAPH 2-1-1.G.(5).

12/22/2022: THIS A CORRECTED COPY OF THE FORM APPROVED ON 11/01/2022.

1. DELETED 12/29/2022 FROM ACTUAL EFFECTIVE DATE SECTION.
2. CHANGED REQUIRED EFFECTIVE DATE FROM 12/29/2022 TO 02/23/2023.

