

**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SUPERSEDED NUMBER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>
HELENA	FIVE	HLN5.HLN	FOUR	07/21/2016	02/23/2023

<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 5: CLIMBING LEFT TURN TO HEADING 314, THENCE...
TAKEOFF RWY 9: CLIMBING LEFT TURN TO HEADING 311, THENCE...
TAKEOFF RWY 27: CLIMBING RIGHT TURN TO HEADING 010, THENCE...

...INTERCEPT HLN VORTAC R-340 TO 8100, THEN CLIMBING LEFT TURN TO 9000 ON HLN VORTAC R-340 TO HLN VORTAC.

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>
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PROCEDURAL DATA NOTES:

PBN REQUIREMENTS NOTES:

EQUIPMENT REQUIREMENT NOTES:

TAKEOFF MINIMUMS:

RWY 17, 23: NA - OBSTACLES; 35: NA - ATC.
RWY 5: STANDARD WITH MINIMUM CLIMB OF 250 FEET PER NM TO 8100.
RWY 9: STANDARD WITH MINIMUM CLIMB OF 240 FEET PER NM TO 8100.
RWY 27: STANDARD WITH MINIMUM CLIMB OF 390 FEET PER NM TO 8100.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 5: 7000 FT MSL AAO 465348.80N/1115911.80W.
RWY 9: 7000 FT MSL AAO 465348.80N/1115911.80W.
RWY 27: 5452 FT MSL AAO 464035.15N/112054.72W, 7000 FT MSL AAO 465348.80N/1115911.80W.

MSA:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

5452 FT MSL AAO 464035.15N/1120504.72W, 6800 FT MSL TERRAIN 465348.80N/1115911.80W.
AIRPORT MV: HLN 12E/2025.
CHART: TOP ALTITUDE: 9000.



DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
HELENA	FIVE	HLN5.HLN	FOUR	07/21/2016	02/23/2023

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
KHLN	HELENA	MT

COMMUNICATIONS:

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

FIXES AND/OR NAVAIDS:

REMARKS:

- ABBREVIATED AMENDMENT.
- MAXIMUM 100 FT VEGETATION HEIGHT USED.
- TAKEOFF OBSTACLE NOTES RETAINED ON PROCEDURE DUE TO NO TAKEOFF NOTES DOCUMENTED ON 8260-15A.

FLIGHT INSPECTED BY

Processed IAW Technical Support Group (AJF-17) Memo dated, Subject: Guidance for Procedural Changes Requiring Flight Inspection/Validation

OFFICE

DATE

Digitally signed by
JOHNNIE BAKER
Dec 22, 2022

DEVELOPED BY

KWEKU DONKOR
*Digitally signed by
JOHNNIE BAKER
Dec 22, 2022*

OFFICE

AJV-A433

DATE

08/19/2022

APPROVED BY

JOHNNIE BAKER
*Digitally signed by
JOHNNIE BAKER
Dec 22, 2022*

OFFICE

AJV-A430

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

02/23/2023

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZLC, HLN APP/DEP CON, HLN ATCT, AMGR.

CHANGES - REASONS:

- DP ROUTE DESCRIPTION UPDATE: TAKEOFF RWY 5 HEADING CHANGED FROM 310 TO 314 - KHLN AIRPORT MAGNETIC VARIATION CHANGED FROM 16E (EPOCH YEAR 1990) TO 12E (EPOCH YEAR 2025).
- DP ROUTE DESCRIPTION UPDATE: TAKEOFF RWY 9 HEADING CHANGED FROM 307 TO 311 - KHLN AIRPORT MAGNETIC VARIATION CHANGED FROM 16E (EPOCH YEAR 1990) TO 12E (EPOCH YEAR 2025).
- DP ROUTE DESCRIPTION UPDATE: TAKEOFF RWY 27 HEADING CHANGED FROM 006 TO 010 - KHLN AIRPORT MAGNETIC VARIATION CHANGED FROM 16E (EPOCH YEAR 1990) TO 12E (EPOCH YEAR 2025).
- DP ROUTE DESCRIPTION UPDATE: CHANGED HLN INTERCEPT RADIAL FROM R-336 TO R-340 - HLN VORTAC MAGNETIC VARIATION CHANGED FROM 16E (EPOCH YEAR 1990) TO 12E (EPOCH YEAR 2025).
- CHANGED TAKEOFF MINIMUMS FROM RWY 17, 23 NA-OBSTACLES; 35, NA-ATC TO RWY 17, 23: NA - OBSTACLES; 35: NA -ATC - IAW FAAO 8260.46H APPDX D, SECTION 2.8.
- ADDITIONAL FLIGHT DATA UPDATE: REMOVED REFERENCE MAG VAR: KHLN 16E EPOCH YR: 1990. ADDED AIRPORT MV: HLN 12E/2025 - KHLN AIRPORT MAGNETIC VARIATION CHANGED FROM 16E (EPOCH YEAR 1990) TO 12E (EPOCH YEAR 2025). FORMAT UPDATED IAW AJV-A MEMORANDUM, "MAGNETIC VARIATION DOCUMENTATION FOR STANDARD INSTRUMENT DEPARTURES AND GRAPHIC OBSTACLE DEPARTURE PROCEDURES", DATED 07/15/2022.
- REMARKS UPDATE: ADDED ABBREVIATED AMENDMENT - IAW FAAO 8260.46H APPDX D, SECTION 2.17(C)
- COMMUNICATIONS: ADDED "CHART" AND HLN GND CON TO COMMUNICATION BLOCK AND REMOVED HLN APP CON - IAW FAAO 8260.46H APPDX D, SECTION 2, #14/APPROACH CONTROL FREQUENCY IS NOT CHARTED OR NECESSARY AND WILL AUTOMATICALLY BE REPLACED WITH DEPARTURE CONTROL FREQUENCY. HLN GND CON ADDED PER ATC.
- ADDED "THENCE" TO DP ROUTE DESCRIPTION FOLLOWING THE HEADING WITH COMMON VERBIAGE FOLLOWING "THENCE" - REDUCE VERBIAGE AND IAW 8260.46H, APPDX D, SECTION 2, #3.
- ADDED "FT MSL" AFTER ALL DOCUMENTED AAO & TERRAIN OBSTACLES ON FORM - IAW FAAO 8260.46H, APPDX D, SECTION 2, #10 B.
- SELECTED A4A IN COORDINATED WITH BLOCK - AIRPORT IS SERVED BY SCHEDULED AIR CARRIERS.
- ADDED TO REMARKS: MAXIMUM 100 FT VEGETATION HEIGHT USED AND TAKEOFF OBSTACLE NOTES RETAINED ON PROCEDURE DUE TO NO TAKEOFF NOTES DOCUMENTED ON 8260-15A - IDENTIFY VEGETATION HEIGHT APPLIED TO PROCEDURE/NO TAKEOFF OBSTACLE NOTES DOCUMENTED ON THE 8260-15A.

12/22/2022: THIS A CORRECTED COPY OF THE FORM APPROVED ON 11/21/2022.
CHANGED REQUIRED EFFECTIVE DATE FROM 12/29/2022 TO 02/23/2023.

