

**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SUPERSEDED NUMBER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>
SIEBE	FOUR	SIEBE4.SIEBE	THREE	06/30/2011	

<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 9: CLIMBING LEFT TURN TO HEADING 274.00, THENCE...
TAKEOFF RWY 27: CLIMBING RIGHT TURN TO HEADING 354.00, THENCE...

...INTERCEPT HLN R-322 TO SIEBE INT. MAINTAIN ATC ASSIGNED ALTITUDE.

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:

THIS PROCEDURE PUBLISHED IN NFDD 213 HAS BEEN RESCINDED IN ITS ENTIRETY.

EQUIPMENT REQUIREMENT NOTES:

TAKEOFF MINIMUMS:

RWY 5: NA - ATC.
RWY 10, 17, 23, 28, 35: NA - ENVIRONMENTAL.
RWY 9: STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 9000.
RWY 27: STANDARD WITH MINIMUM CLIMB OF 390 FT PER NM TO 7200.

TAKEOFF OBSTACLES NOTES:

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

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).

MSA:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

AIRPORT MV: HLN (P) 12E/2025.
CHART: HLN R-322.
CHART: GTF R-206.
CHART: V257.
CHART: TOP ALTITUDE: ASSIGNED BY ATC.



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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:

GTF VORTAC.

REMARKS:

1. ABBREVIATED AMENDMENT.
2. MAXIMUM 100 FT VEGETATION HEIGHT USED.
3. RWY 9 OPERATIONAL CLIMB GRADIENT ESTABLISHED TO ENSURE AIRCRAFT ARE AT OR ABOVE 9000 FT (MEA) AT SIEBE INT.
4. PREVIOUS AMENDMENT ADDED RWY 9 HEADING TO AVOID HIGH TERRAIN SOUTHEAST OF SIEBE, ALLOW STANDARD TAKEOFF MINIMUMS.
5. PREVIOUS AMENDMENT ADDED RWY 27 HEADING TO STANDARDIZE PROCEDURE WITH CHANGE TO RWY 9.

FLIGHT INSPECTED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021,
SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.

<u>OFFICE</u>	<u>DATE</u>
<i>Digitally signed by</i> ERIC N SUSKI	
	Nov 01, 2022

DEVELOPED BY

ERIC N. SUSKI (MICHAEL MCCARTNEY)

Digitally signed by
ERIC N SUSKI
Oct 03, 2022

<u>OFFICE</u>	<u>DATE</u>
AJV-A431	09/01/2022

APPROVED BY

JOHNNIE BAKER

Digitally signed by
ERIC N SUSKI
Oct 03, 2022

<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
AJV-A430		MANAGER

REQUIRED EFFECTIVE DATE

12/29/2022

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. MOVED TAKEOFF MINIMUMS FROM PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS BLOCK TO TAKEOFF MINIMUMS BLOCK. - UPDATED FORMS SEPARATED BLOCKS.
4. CHANGED TAKEOFF MINIMUMS FROM "RWY 16, 34, 05, 23 NA - ATC" TO "RWY 5: NA - ATC", "RWY 10, 17, 23, 28, 35: NA - ENVIRONMENTAL". - RWY 16, 34 NUMBERS CHANGED TO RWY 17, 35 IN A PREVIOUS AIRPORT DATA CHANGE, AND CHANGED REASON FROM ATC TO ENVIRONMENTAL TO MATCH OBSTACLE DEPARTURE PROCEDURE REASON; RWY 10, 28 ADDED AND ARE UNPAVED RUNWAYS WITHOUT A VERTICAL SURVEY AND RAPT APPROVAL IAW AJV-A SOP "UNPAVED RUNWAYS" DATED 3/16/2020; CHANGED RWY 23 REASON FROM ATC TO ENVIRONMENTAL TO MATCH OBSTACLE DEPARTURE PROCEDURE NOTAM FDC 2/8579 (KHLN A5015/22) INCORPORATED INTO OBSTACLE DEPARTURE PROCEDURE AMENDMENT ON SAME CHART DATE.
5. UPDATED TAKEOFF MINIMUMS VERBIAGE FROM "RWY 09, STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 9000 FT" TO "RWY 9: STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 9000". - IAW FAAO 8260.46H APPENDIX D.SECTION 2.8.C.
6. UPDATED TAKEOFF MINIMUMS VERBIAGE FROM "RWY 27, STANDARD WITH MINIMUM CLIMB OF 390 FT PER NM TO 7200" FT TO "RWY 27: STANDARD WITH MINIMUM CLIMB OF 390 FT PER NM TO 7200". - IAW FAAO 8260.46H APPENDIX D.SECTION 2.8.C.
7. UPDATED TAKEOFF OBSTACLE NOTES TO READ: "SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)." - IAW FAAO 8260.46H APPENDIX D.SECTION 2.9.
8. ADDED "CHART:" TO COMMUNICATIONS BLOCK, CHANGED ZLC TO ZLC ARTCC, ADDED HLN GND CON AND ATIS, AND DELETED RCO RADIO. - UPDATED AGENCIES AND VERBIAGE IAW FAAO

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8260.46H APPENDIX D.SECTION 2.14.

9. ADDED TOP ALTITUDE TO ADDITIONAL FLIGHT DATA. - IAW FAAO 8260.46H IAW FAAO 8260-46H PARAGRAPH 3-1-1.L.(6) AND APPENDIX D.SECTION 2.12.B.
10. CHANGED DP ROUTE DESCRIPTION HLN VORTAC RADIAL FROM "...INTERCEPT HLN R-318 TO SIEBE INT" TO "...INTERCEPT HLN R-322 TO SIEBE INT. MAINTAIN ATC ASSIGNED ALTITUDE". - HLN VORTAC MAGNETIC VARIATION CHANGED AND TOP ALTITUDE VERBIAGE ADDED IAW FAAO 8260-46H PARAGRAPH 3-1-1.L.(6).
11. ADDED RWY 27 CONTROLLING OBSTACLES ENTITY "(CLIMB GRADIENT)" AND "(CLIMB-TO ALTITUDE)" TO OBSTACLES. - REQUIRED IAW FAAO 8260.46H APPENDIX D.SECTION 2.10.A.
12. UPDATED DP ROUTE DESCRIPTION VERBIAGE RWY 9, 27 FROM "TURN HEADING" TO "TURN TO HEADING". - UPDATED VERBIAGE IAW FAAO 8260.46H PARAGRAPH 2-1-1.G.(5).

