

**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SUPERSEDED NUMBER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>
STAKK	FIVE	STAKK5.STAKK	FIVE	07/21/2016	

<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 INTERCEPT HLN R-091 TO CROSS STAKK AT OR ABOVE 10200, THENCE..
TAKEOFF RWY 27: CLIMB ON HEADING 270.71 TO 4500 THEN CLIMBING RIGHT TURN DIRECT HLN VORTAC. CONTINUE CLIMB ON HLN R-091 TO CROSS STAKK AT OR ABOVE 10200, THENCE...
...ON TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE.

THIS PROCEDURE PUBLISHED IN NFDD 213 HAS BEEN RESCINDED IN ITS ENTIRETY.

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>
BOZEMAN	STAKK5.BZN	STAKK	CUSRI	HLN 15 DME ARC CW		10800		
		CUSRI	SWEDD INT	107.22 (HLN R-107)	4.38			
		SWEDD INT	BZN VOR/DME	139.72 (BZN R-320)	43.13			
CONNS	STAKK5.CONNS	STAKK	CUSRI	HLN 15 DME ARC CCW		10800		
		CUSRI	SWEDD INT	107.22 (HLN R-107)	4.38			
		SWEDD INT	CONNS INT	107.30 (HLN R-107)	22.09			
GREAT FALLS	STAKK5.GTF	STAKK	FAVOX	HLN 15 DME ARC CCW		10800		
		FAVOX	HONVI	HLN 15 DME ARC CCW		10800		
		HONVI	TICUS	HLN 15 DME ARC CCW		10800		
		TICUS	GTF VORTAC	011.50 & 187.90 (HLN R-012 & GTF R-188)	40.27			
LEWISTON	STAKK5.LWT	STAKK	FAVOX	HLN 15 DME ARC CCW				
		FAVOX	HONVI	HLN 15 DME ARC CCW				
		HONVI	LWT VOR/DME	061.92 & 240.38 (HLN R-062 & LWT R-240)	85.34			
WAUTS	STAKK5.WAUTS	STAKK	FAVOX	HLN 15 DME ARC CCW		10800		
		FAVOX	WAUTS	077.26 (HLN R-077)	5.64			



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STAKK	FIVE	STAKK5.STAKK	FIVE	07/21/2016	

PROCEDURAL DATA NOTES:

PBN REQUIREMENTS NOTES:

EQUIPMENT REQUIREMENT NOTES:

DME REQUIRED.

TAKEOFF MINIMUMS:

RWY 9: STANDARD WITH MINIMUM CLIMB OF 415 FT PER NM TO 10200.

RWY 27: STANDARD WITH MINIMUM CLIMB OF 340 FT PER NM TO 10200.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 9: BLDG 1592 FT FROM DER, 731 FT LEFT OF CENTERLINE, 20 FT AGL/3917 FT MSL. TERRAIN 100 FT FROM DER, 499 FT LEFT OF CENTERLINE, 3871 FT MSL. TREE 1567 FT FROM DER, 616 FT LEFT OF CENTERLINE, 47 FT AGL/3906 FT MSL. TERRAIN 203 FT FROM DER, 346 FT LEFT OF CENTERLINE, 3869 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 9, 27: 9720 FT MSL AAO 462554.40N/1111109.70W.

MSA:

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART LVM R-307 AT CONNS.

CHART V21, V113, V247, V365, V2, V2-365.

AIRPORT MV: HLN 12E/2025.

CHART: TOP ALTITUDE: ASSIGNED BY ATC.

AIRPORTS SERVED:

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

COMMUNICATIONS:

CHART: HLN GND CON, HLN TOWER.

FIXES AND/OR NAVAIDS:

LVM VOR/DME.

REMARKS:

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



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STAKK	FIVE	STAKK5.STAKK	FIVE	07/21/2016	

<u>FLIGHT INSPECTED BY</u>	<u>OFFICE</u>	<u>DATE</u>	<i>Digitally signed by</i> DAVID TEFFETELLER Oct 05, 2022
Processed IAW Technical Support Group (AJF-17) Memo dated, Subject: Guidance for Procedural Changes Requiring Flight Inspection/Validation			

<u>DEVELOPED BY</u>	<i>Digitally signed by</i> KWEKU DONKOR Sep 27, 2022	<u>OFFICE</u>	<u>DATE</u>
KWEKU DONKOR		AJV-A433	08/19/2022

<u>APPROVED BY</u>	<i>Digitally signed by</i> DAVID TEFFETELLER Oct 05, 2022	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
JOHNNIE BAKER		AJV-A430		MANAGER

REQUIRED EFFECTIVE DATE
12/29/2022

COORDINATED WITH:

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

CHANGES - REASONS:

1. DP ROUTE DESCRIPTION UPDATE: TAKEOFF RWY 9 RADIAL CHANGED FROM R-087 TO R-091 - HLN VORTAC MAGNETIC VARIATION CHANGED FROM 16E (EPOCH YEAR 1990) TO 12E (EPOCH YEAR 2025).
2. DP ROUTE DESCRIPTION UPDATE: TAKEOFF RWY 27 CHANGED FROM "CLIMB HEADING 266.71" TO "CLIMB ON HEADING 270.71" AND HLN RADIAL CHANGED FROM R-087 TO R-091 - KHLN AIRPORT AND HLN VORTAC MAGNETIC VARIATION CHANGED FROM 16E (EPOCH YEAR 1990) TO 12E (EPOCH YEAR 2025), IAW FAAO 8260.46H, 2-1-1G(1).
3. DP DECRPTION VERBIAGE AT THE END OF EACH RWY CHANGED FROM "THENCE VIA TRANSITION" TO A SINGLE LINE ENTRY"...ON TRANSITION. MAINTAIN ATC ASSIGNED ALTITUE." - REDUCE VERBIAGE & 8260.46H, 3-1-1L(6).
4. TRANSITION ROUTES UPDATE: BOZEMAN TRANSITION: COMPUTER CODE NAME CHANGED FROM STAKK4.BZN TO STAKK5.BZN. CHANGED CUSRI INT TO CUSRI. FROM CUSRI TO SWEDD INT COURSE CHANGED FROM 103.22 (HLN R-103) TO 107.22 (HLN R-107) - AMENDMENT 5 UPDATE. CUSRI IS NOT AN INTERSECTION. HLN VORTAC MAGNETIC VARIATION CHANGED FROM 16E EPOCH YEAR 1990 TO 12E EPOCH YEAR 2025.
5. TRANSITION ROUTES UPDATE: CONNS TRANSITION: COMPUTER CODE NAME CHANGED FROM STAKK4.CONNS TO STAKK5.CONNS. CHANGED CUSRI INT TO CUSRI. CUSRI TO SWEDD INT COURSE CHANGED FROM 103.22 (HLN R-103) TO 107.22 (HLN R-107), SWEDD INT TO CONNS INT COURSE CHANGED FROM 103.30 (HLN R-103) TO 107.30 (HLN R-107) - CUSRI IS NOT AN INTERSECTION. HLN VORTAC MAGNETIC VARIATION CHANGED FROM 16E EPOCH YEAR 1990 TO 12E EPOCH YEAR 2025.
6. TRANSITION ROUTES UPDATE: GREAT FALLS TRANSITION COMPUTER CODE NAME CHANGED FROM STAKK4.GTF TO STAKK5.GTF AND TICUS TO GTF COURSE INFORMATION FOR HLN CHANGED FROM 007.50, R-008 TO 011.50, R-012 - AMENDMENT 5 UPDATE, HLN VORTAC MAGNETIC VARIATION CHANGED FROM 16E EPOCH YEAR 1990 TO 12E EPOCH YEAR 2025.
7. TRANSITION ROUTES UPDATE: LEWISTON TRANSITION COMPUTER CODE NAME CHANGED FROM STAKK4.LWT TO STAKK5.LWT AND HONVI TO LWT VOR/DME COURSE INFORMATION FOR HLN FROM 057.92, R-058 TO 061.92, R-062 - AMENDMENT 5 UPDATE, HLN VORTAC MAGNETIC VARIATION CHANGED FROM 16E EPOCH YEAR 1990 TO 12E EPOCH YEAR 2025.
8. TRANSITION ROUTES UPDATE: WAUTS TRANSITION: COMPUTER CODE NAME CHANGED FROM STAKK4.WAUTS TO STAKK5.WAUTS. FAVOX TO WAUTS COURSE CHANGED FROM 073.26 (HLN R-073) TO 077.26 (HLN R-077) - HLN VORTAC MAGNETIC VARIATION CHANGED FROM 16E EPOCH YEAR 1990 TO 12E EPOCH YEAR 2025.
9. ADDITIONAL FLIGHT DATA UPDATE: 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", DATE 07/15/2022.
10. COMMUNICATIONS BLOCK: ADDED "CHART" AND REMOVED "HELENA DEP CON" - IAW FAAO 8260.46H, APPDX D, SECTION 2, #14.
11. REMARKS UPDATE: ADDED ABBREVIATED AMENDMENT - IAW FAAO 8260.46H APPENDIX D, SECTION 2.17(C).
12. DME REQUIRED ADDED TO EQUIPMENT REQUIREMENTS NOTES - DME REQUIRED TO FLY DP/TRANSITIONS.
13. ADDED HLD ATCT TO COORDINATED WITH: OTHER - ENSURE THOROUGH COORDINATION.
14. 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.

