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.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
HSKEL	FOUR	HSKEL4.HSKEL	THREE	09/13/2018	09 Jul 2026

TYPE:

OBSTACLE	COPTER	SID	SPECIAL	RNAV
☐	☐	☒	☐	☒

DP ROUTE DESCRIPTION:

TAKEOFF RWY 11: CLIMB ON HEADING 110.30 TO INTERCEPT COURSE 059.50 TO AHRON, THENCE...
TAKEOFF RWY 18: CLIMB ON HEADING 178.22 TO INTERCEPT COURSE 261.34 TO SRFRS, THENCE...
TAKEOFF RWY 29: CLIMB ON HEADING 290.32 TO INTERCEPT COURSE 300.39 TO ALIEH, THENCE...
TAKEOFF RWY 36: CLIMB ON HEADING 358.21 TO INTERCEPT COURSE 280.04 TO ALIEH, THENCE...

...ON DEPICTED ROUTE TO HSKEL, THEN ON TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 5 MINUTES AFTER DEPARTURE.

TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
BAUER	HSKEL4.BAUER	HSKEL	BAUER	TRACK 271.17	64.56	18000	5400	

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.
CHART: FOR NON-GPS EQUIPPED AIRCRAFT: CON DME MUST BE OPERATIONAL.

PROCEDURAL DATA NOTES:

CHART: FOR TURBOJETS ONLY.

TAKEOFF MINIMUMS:

RWY 18, 29: STANDARD.
RWY 11: STANDARD WITH MINIMUM CLIMB OF 280 FT/NM TO 400.
RWY 36: STANDARD WITH MINIMUM CLIMB OF 240 FT/NM TO 600.

TAKEOFF OBSTACLE NOTES:

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

CONTROLLING OBSTACLES:

RWY 11: 248 FT MSL TREE 433850.16N/0701632.42W.
RWY 36: 429 FT MSL TOWER 434123.60N/0701859.83W.

MSA:

PWM, 3600

LOST COMMUNICATION PROCEDURES:

ADDITIONAL FLIGHT DATA:

AIRPORT MV: PWM 15W/2020.
DME/DME ASSESSMENT: SAT (RNP 2.0).
CHART: TOP ALTITUDE: ASSIGNED BY ATC.

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DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
HSKEL	FOUR	HSKEL4.HSKEL	THREE	09/13/2018	**09 Jul 2026**

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
PWM	PORTLAND	ME

COMMUNICATIONS:

CHART: ATIS, CLNC DEL, GND CONL, TOWER

FIXES AND/OR NAVAIDS:

MRKEE
LIZLU

REMARKS:

VEGETATION HEIGHT OF 100 FT USED PER FPT CHECKLIST.
ORDER 8260.3G, LEGACY ICA USED FOR DESIGN AND EVALUATION.

		OFFICE	DATE	TITLE
FLIGHT INSPECTED BY GALEN W COLLINS	*Digitally signed by* ***RAKE MCGRAW*** May 08, 2026	AJF	05/07/2026	
DEVELOPED BY RAKE MCGRAW (JUDITH TUTTLE)	*Digitally signed by* ***RAKE MCGRAW*** May 08, 2026	AJV-A431	01/08/2026	
APPROVED BY RAKE MCGRAW	*Digitally signed by* ***RAKE MCGRAW*** May 08, 2026	AJV-A421	06/04/2026	MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒

OTHER: ZBW, PWM APP CON, PWM ATCT, AMGR

CHANGES - REASONS:

1. DP ROUTE DESCRIPTION: UPDATED RWY 11 FROM “CLIMB HEADING 110.30 TO INTERCEPT COURSE 068.00 TO AHRON, THEN ON DEPICTED ROUTE TO HSKEL. THENCE…” TO “CLIMB ON HEADING 110.30 TO INTERCEPT COURSE 059.50 TO AHRON, THENCE...” – COMMON ROUTE ADDED IAW 8260.46K.
2. DP ROUTE DESCRIPTION: UPDATED RWY 29 FROM “CLIMB HEADING 290.32 TO INTERCEPT COURSE 300.24 TO ALIEH, THEN ON DEPICTED ROUTE TO HSKEL, THENCE…” TO “CLIMB ON HEADING 290.32 TO INTERCEPT COURSE 300.39 TO ALIEH, THENCE...” – COMMON ROUTE ADDED IAW 8260.46K.
3. DP ROUTE DESCRIPTION: ADDED RWY 18 “CLIMB ON HEADING 178.22 TO INTERCEPT COURSE 261.34 TO SRFRS, THENCE...” AND RWY 36 “CLIMB ON HEADING 358.21 TO INTERCEPT COURSE 280.04 TO ALIEH, THENCE...” – COMMON ROUTE ADDED IAW 8260.46K.
4. DP ROUTE DESCRIPTION: UPDATED THENCE STATEMENT FROM “…MAINTAIN 3000 OR AS ASSIGNED BY ATC (5000 WHEN TOWER CLOSED, CONTACT BOSTON CENTER). EXPECT CLEARANCE TO FILED ALTITUDE FIVE (5) MINUTES AFTER DEPARTURE” TO “...ON DEPICTED ROUTE TO HSKEL, THEN ON TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE 5 MINUTES AFTER DEPARTURE” – COMMON ROUTE ADDED IAW 8260.46K.
5. TRANSITION ROUTES: REMOVED CAMBRIDGE, HANAA AND SYRACUSE TRANSITIONS – PER ATC REQUEST.
6. PROCEDURAL DATA NOTES: REMOVED “NOTE: DME/DME/IRU OR GPS REQUIRED” AND “NOTE: RNAV 1” UPDATED TO “RNAV 1 - DME/DME/IRU OR GPS” AND MOVED TO PBN REQUIREMENT NOTES – IAW 8260.46K.
7. PROCEDURAL DATA NOTES: MOVED “NOTE: RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT” AND “CHART: FOR NON-GPS EQUIPPED AIRCRAFT: CON DME MUST BE OPERATIONAL FOR TAKEOFF” TO EQUIPMENT REQUIREMENT NOTES – IAW 8260.46K.
8. TAKEOFF MINIMUMS: UPDATED RWY 11 FROM “STANDARD WITH MINIMUM CLIMB OF 350 FT PER NM TO 1300” TO “STANDARD WITH MINIMUM CLIMB OF 280 FT/NM TO 400” – OBSTACLE CLIMB GRADIENT USED TO MATCH ODP.
9. TAKEOFF MINIMUMS: ADDED RWY 18: “STANDARD” AND RWY 36: “STANDARD WITH MINIMUM CLIMB OF 240 FT/NM TO 600” – PER ATC REQUEST.
10. CONTROLLING OBSTACLES: UPDATED RWY 11 FROM “251 FT MSL TREE 433850.11N/0701632.59W” TO “248 FT MSL TREE 433850.16N/0701632.42W” – UPDATED SURVEY, NEW OBSTACLES IDENTIFIED, IAW 8260.46K.
11. CONTROLLING OBSTACLES: ADDED RWY 36 “429 FT MSL TOWER 434123.60N/0701859.83W” – UPDATED SURVEY, NEW OBSTACLES IDENTIFIED, IAW 8260.46K.
12. MSA: ADDED “PWM, 3600” – IAW 8260.46K.
13. LOST COMMUNICATIONS PROCEDURES: REMOVED “IF RADIO CONTACT NOT ESTABLISHED WITHIN 2 MINUTES AFTER DEPARTURE, PROCEED ON COURSE VIA HSKEL RNAV ROUTE TO

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REQUESTED ALTITUDE OR 10000, WHICHEVER IS LOWER" – PER ATC REQUEST.
14. ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM "REFERENCE MAG VAR: KPWM 15W EPOCH YEAR: 2020" TO "AIRPORT MV: PWM 15W/2020" – IAW 8260.46K.
15. ADDITIONAL FLIGHT DATA: UPDATED NOTE FROM "CHART: TOP ALTITUDE: 3000" TO "CHART: TOP ALTITUDE: ASSIGNED BY ATC" - IAW 8260.46K.
16. COMMUNICATIONS: UPDATED NOTE FROM "ATIS, CLEARANCE DELIVERY, GROUND CONTROL, TOWER, PWM DEP CON, ZBW" TO "CHART: ATIS, CLNC DEL, GND CONL, TOWER" - IAW 8260.46K.
17. REMARKS: REMOVED "ENVIRONMENTAL REVIEW ON FILE AT PWM FACILITY" AND ""RWY 11 CLIMB GRADIENT ESTABLISHED TO ENSURE OBSTACLE CLEARANCE, ENSURE AIRCRAFT REACH MINIMUM RNAV ENGAGEMENT ALTITUDE, AND SUPPORT MINIMUM DME/DME/IRU RECEPTION ALTITUDE OF 1208 MSL AT AHRON" – NO LONGER REQUIRED.
18. REMARKS: ADDED VEGETATION HEIGHT OF 100 FT USED PER FPT CHECKLIST, AND ORDER 8260.3G, LEGACY ICA USED FOR DESIGN AND EVALUATION - FOR FUTURE SPECIALIST INFO AND IAW 8260.46K

QUALITY 42 CHECKED

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
HSKEL	FOUR	HSKEL4.HSKEL	THREE	09/13/2018	09 Jul 2026

FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW11 (AER)	433845.10N/0701933.87W	N	-	-	-	-			
-	433829.36N/0701541.18W	-	-	VI	095.30	2.83			CG 280FT/NM TO 400
AHRON	434044.12N/0701238.88W	Y	FB	CF	044.50	3.15			
LIZLU	434441.48N/0701328.12W	Y	FB	TF	351.45	4.00			
MRKEE	434600.84N/0702258.43W	Y	FB	TF	280.92	7.01			
ALIEH	434322.89N/0704822.88W	Y	FB	TF	262.01	18.60			
RW18 (AER)*	433911.85N/0701824.58W*	N	-	-	-	-			*DISPL THLD (450 FT)
-	433220.13N/0701533.80W	-	-	VI	163.22	7.17			
SRFRS	433012.67N/0702214.21W	Y	FB	CF	246.34	5.30			
ALIEH	434322.89N/0704822.88W	Y	FB	TF	304.88	23.11			
RW29 (AER)	433838.52N/0701756.37W	N	-	-	-	-			
-	433919.93N/0702815.81W	-	-	VI	275.32	7.53			
ALIEH	434322.89N/0704822.88W	Y	FB	CF	285.39	15.15			
RW36 (AER)*	433823.15N/0701804.35W*	N	-	-	-	-			*DISPL THLD (500 FT)
-	434503.48N/0702050.86W	-	-	VI	343.21	6.97			CG 240 FT/NM TO 600
ALIEH	434322.89N/0704822.88W	Y	FB	CF	265.04	20.03			
ALIEH	434322.89N/0704822.88W	Y	-	IF	-	-			
HSKEL	433912.82N/0710251.86W	Y	FB	TF	248.45	11.30			
HSKEL	433912.82N/0710251.86W	Y	-	IF	-	-			HSKEL4.BAUER
BAUER	432314.08N/0722850.62W	Y	FB	TF	256.17	64.56			

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