

**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SUPERSEDED NUMBER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>
WATTR	ONE	WATTR1.WATTR	NONE		
<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 checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 9: CLIMB ON HEADING 088.57 TO 791, THEN CLIMBING LEFT TURN DIRECT WATTR AT OR ABOVE 3000.

TAKEOFF RWY 27: CLIMB ON HEADING 268.59 TO 791, THEN CLIMBING RIGHT TURN DIRECT WATTR AT OR ABOVE 3000.

TAKEOFF RWY 31: CLIMB ON HEADING 311.56 TO 791, THEN CLIMBING RIGHT TURN DIRECT WATTR AT OR ABOVE 3000.

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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PBN REQUIREMENT NOTES:

RNAV 1 - GPS

EQUIPMENT REQUIREMENT NOTES:

PROCEDURAL DATA NOTES:

TAKEOFF MINIMUMS:

RWY 13: NA - OBSTACLES

RWY 31: STANDARD

RWY 27: STANDARD WITH MINIMUM CLIMB OF 236 FT/NM TO 1100

RWY 9: 300-1

TAKEOFF OBSTACLES NOTES:

RWY 9: SIGN 46 FT FROM DER, 198 FT RIGHT OF CENTERLINE, 4 FT AGL/295 FT MSL.

TERRAIN 54 FT FROM DER, 449 FT RIGHT OF CENTERLINE, 296 FT MSL.

SIGN 79 FT FROM DER, 352 FT RIGHT OF CENTERLINE, 4 FT AGL/299 FT MSL.

BUILDINGS, TERRAIN, NAVAID BEGINNING 99 FT FROM DER, 1 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/314 FT MSL.

FENCE 102 FT FROM DER, 526 FT LEFT OF CENTERLINE, 7 FT AGL/299 FT MSL.

FENCE 270 FT FROM DER, 526 FT LEFT OF CENTERLINE, 7 FT AGL/300 FT MSL.

BUILDING 298 FT FROM DER, 258 FT LEFT OF CENTERLINE, 20 FT AGL/311 FT MSL.

TREES, POLES BEGINNING 575 FT FROM DER, 69 FT LEFT OF CENTERLINE, UP TO 377 FT MSL.

POLE, VEHICLE ON ROAD BEGINNING 677 FT FROM DER, 630 FT RIGHT OF CENTERLINE, UP TO 32 FT AGL/338 FT MSL.

TRANSMISSION LINE 922 FT FROM DER, 630 FT RIGHT OF CENTERLINE, 51 FT AGL/355 FT MSL.

TREES, TRANSMISSION LINE, POLES BEGINNING 927 FT FROM DER, 136 FT RIGHT OF CENTERLINE, UP TO 385 FT MSL.

TREES BEGINNING 1107 FT FROM DER, 391 FT RIGHT OF CENTERLINE, UP TO 420 FT MSL.

TREES BEGINNING 1312 FT FROM DER, 169 FT RIGHT OF CENTERLINE, UP TO 464 FT MSL.

TREE 1412 FT FROM DER, 695 FT LEFT OF CENTERLINE, 396 FT MSL.

TREE 1454 FT FROM DER, 811 FT LEFT OF CENTERLINE, 424 FT MSL.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
WATTR	ONE	WATTR1.WATTR	NONE		

TREES BEGINNING 1523 FT FROM DER, 191 FT RIGHT OF CENTERLINE, UP TO 466 FT MSL.
 TREE 1613 FT FROM DER, 790 FT LEFT OF CENTERLINE, 439 FT MSL.
 TREES BEGINNING 1740 FT FROM DER, 35 FT RIGHT OF CENTERLINE, UP TO 469 FT MSL.
 TREES BEGINNING 1826 FT FROM DER, 166 FT LEFT OF CENTERLINE, UP TO 454 FT MSL.
 TREES BEGINNING 2421 FT FROM DER, 670 FT LEFT OF CENTERLINE, UP TO 455 FT MSL.
 TREES BEGINNING 2922 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 457 FT MSL.
 TREES BEGINNING 3272 FT FROM DER, 406 FT RIGHT OF CENTERLINE, UP TO 473 FT MSL.
 TREES BEGINNING 3375 FT FROM DER, 105 FT RIGHT OF CENTERLINE, UP TO 481 FT MSL.
 TREES, POLES BEGINNING 3453 FT FROM DER, 105 FT RIGHT OF CENTERLINE, UP TO 490 FT MSL.
 TREES BEGINNING 3601 FT FROM DER, 28 FT LEFT OF CENTERLINE, UP TO 460 FT MSL.
 TREES BEGINNING 3746 FT FROM DER, 32 FT LEFT OF CENTERLINE, UP TO 461 FT MSL.
 TREES BEGINNING 4375 FT FROM DER, 622 FT RIGHT OF CENTERLINE, UP TO 498 FT MSL.
 TREES BEGINNING 4460 FT FROM DER, 137 FT RIGHT OF CENTERLINE, UP TO 502 FT MSL.

RWY 27: LIGHT POLES 10 FT FROM DER, 54 FT RIGHT OF CENTERLINE, 3 FT AGL/287 FT MSL.
 LIGHT POLES 10 FT FROM DER, 55 FT LEFT OF CENTERLINE, 3 FT AGL/286 FT MSL.
 TREES BEGINNING 2709 FT FROM DER, 130 FT LEFT OF CENTERLINE, UP TO 406 FT MSL.
 TREES BEGINNING 3951 FT FROM DER, 530 FT RIGHT OF CENTERLINE, UP TO 393 FT MSL.
 TREES BEGINNING 4446 FT FROM DER, 1173 FT LEFT OF CENTERLINE, UP TO 421 FT MSL.

NOTE: RWY 31: TREE, POLE BEGINNING 1 FT FROM DER, 222 FT RIGHT OF CENTERLINE, UP TO 315 FT MSL.
 TREES BEGINNING 8 FT FROM DER, 4 FT LEFT OF CENTERLINE, UP TO 321 FT MSL.
 TREE 338 FT FROM DER, 524 FT RIGHT OF CENTERLINE, 316 FT MSL.
 TREES BEGINNING 431 FT FROM DER, 121 FT RIGHT OF CENTERLINE, UP TO 320 FT MSL.
 TREES BEGINNING 505 FT FROM DER, 39 FT LEFT OF CENTERLINE, UP TO 324 FT MSL.
 TREES BEGINNING 638 FT FROM DER, 8 FT RIGHT OF CENTERLINE, UP TO 323 FT MSL.

CONTROLLING OBSTACLES:

RWY 9: 502 FT MSL TREE 480634.31N/1232812.98W (CEILING), 465 FT MSL TREE 480632.03N/1232805.86W (VISIBILITY).
 RWY 27: 863 FT MSL AAO 480718.00N/1233539.00W (CLIMB GRADIENT, CLIMB-TO ALTITUDE).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 9: 5709 FT MSL AAO 480103.00N/1232727.00W. RWY 27, 31: 6227 FT MSL AAO 480027.00N/1232733.00W

MSA:

MSA FROM KCLM 9200

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: NOT CONDUCTED.
 AIRPORT MV: CLM 16E/2020.

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KCLM	PORT ANGELES	WA

COMMUNICATIONS:

CHART: SEA FSS, CTAF

FIXES AND/OR NAVAIDS:



REMARKS:
LETTER OF APPROVAL ON FILE FOR RWY 9 PERMITTING APPLICATION OF ONLY CEILING AND VISIBILITY DUE TO EXTREME CLIMB GRADIENT REQUIRED TO MITIGATE OBSTACLES IN THE ICA.
125 FT VEG HEIGHT USED. - PER FPT.

FLIGHT INSPECTED BY	SIGNATURE	OFFICE	DATE	
JEREMY C LEIGHTON	<i>Digitally signed by</i> DAVID DANNER Feb 24, 2025	AJF	02/20/2025	
DEVELOPED BY	SIGNATURE	OFFICE	DATE	
LEO PALMER	<i>Digitally signed by</i> LEO PALMER Oct 28, 2024	AJV-A421	09/25/2024	
APPROVED BY	SIGNATURE	OFFICE	DATE	TITLE
DAVE DANNER	<i>Digitally signed by</i> DAVID DANNER Feb 24, 2025	AJV-A421	03/13/2025	MANAGER
REQUIRED EFFECTIVE DATE				
ROUTINE				

COORDINATED WITH:

A4A☐

ALPA☒

AOPA☒

APA☐

HAI☐

NBAA☒

OTHER:ZSE, SEA FSS, CTAF

CHANGES - REASONS:
ORIGINAL



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
DEPARTURE (DATA RECORD)**

DP NAME						NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
WATTR						ONE	WATTR1.WATTR	NONE		
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED		REMARKS
RW09 (AER)	480715.73N/1233041.45W	N	-	-	-	-				
791 MSL		-	-	VA	104.57	-	AT/ABOVE 791			
WATTR	480821.35N/1225627.97W	Y	FB	DF	-	-	AT/ABOVE 3000			LEFT TURN
RW27 (AER)*	480703.33N/1232930.23W*	N	-	-	-	-				*DISPL THLD (1354 FT)
791 MSL		-	-	VA	284.59	-	AT/ABOVE 791			CG 236 FT/NM TO 1100
WATTR	480821.35N/1225627.97W	Y	FB	DF	-	-	AT/ABOVE 3000			RIGHT TURN
RW31 (AER)	480708.54N/1232951.39W	N	-	-	-	-				
791 MSL		-	-	VA	327.56	-	AT/ABOVE 791			
WATTR	480821.35N/1225627.97W	Y	FB	DF	-	-	AT/ABOVE 3000			RIGHT TURN

