

**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SUPERSEDED NUMBER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>
SINGG	ONE	SINGG1.SINGG	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 22:** CLIMB ON HEADING 216.31 TO 2300, THEN CLIMBING RIGHT TURN DIRECT TO CROSS SINGG AT OR ABOVE MEA/MCA FOR ROUTE OF FLIGHT.

**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 22:** STANDARD WITH MINIMUM CLIMB OF 450 FT/NM TO 2700.

**TAKEOFF OBSTACLES NOTES:**

**NOTE: RWY 22:** TERRAIN 15 FT FROM DER, 173 FT LEFT OF CENTERLINE, 1590 FT MSL.  
VEHICLE ON ROAD BEGINNING 48 FT FROM DER, 498 FT LEFT OF CENTERLINE, UP TO 1593 FT MSL.  
TREE 113 FT FROM DER, 118 FT RIGHT OF CENTERLINE, 23 FT AGL/1597 FT MSL.  
TREE 342 FT FROM DER, 444 FT LEFT OF CENTERLINE, 44 FT AGL/1622 FT MSL.  
TREE 397 FT FROM DER, 191 FT RIGHT OF CENTERLINE, 57 FT AGL/1632 FT MSL.  
TREES BEGINNING 415 FT FROM DER, 383 FT LEFT OF CENTERLINE, UP TO 44 FT AGL/1624 FT MSL.  
RISING TERRAIN 1.4 NM FROM DER, 138 FT LEFT OF CENTERLINE, 2094 FT MSL.  
RISING TERRAIN 1.5 NM FROM DER, 9 FT RIGHT OF CENTERLINE, 2062 FT MSL.  
RISING TERRAIN BEGINNING 1.5 NM FROM DER, 112 FT LEFT OF CENTERLINE, UP TO 2103 FT MSL.  
TREE 1.6 NM FROM DER, 38 FT RIGHT OF CENTERLINE, 63 FT AGL/2099 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 22:** 2103 FT MSL TERRAIN 53-086945 475408.87N/1190707.07W (CLIMB GRADIENT), 2586 FT MSL TRANSMISSION\_LINE 58-085394 475719.68N/1190456.60W (CLIMB TO ALTITUDE).

**OBSTACLE MANDATING ODP ROUTE DEVELOPMENT:** RWY 22: 6960 FT MSL AAO 482217.97N/1190341.25W.

**MSA:**

MSA FROM 3W7 8000.

**LOST COMMUNICATIONS PROCEDURES:**



<u>DP NAME</u> SINGG	<u>NUMBER</u> ONE	<u>DP COMPUTER CODE</u> SINGG1.SINGG	<u>SUPERSEDED NUMBER</u> NONE	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
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**ADDITIONAL FLIGHT DATA:**  
**AIRPORT MV:** 3W7 15E/2020.  
**DME/DME ASSESSMENT:** NOT CONDUCTED.  
**CHART:** OKANOGAN A/B/C MOA.  
**CHART:** ROOSEVELT A/B MOA.

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
3W7	ELECTRIC CITY	WA

**COMMUNICATIONS:**  
**CHART:** SEATTLE ARTCC  
**CHART:** CTAF  
**CHART:** AWOS

**FIXES AND/OR NAVAIDS:**

**REMARKS:**  
 ACTUAL CLIMB GRADIENT OF 447.4547 FT/NM WAS ROUNDED TO 450 FT/NM.  
 50 FT VEGETATION USED PER FPT.

<u>FLIGHT INSPECTED BY</u>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>
		FPO	

<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>
JOHN KEEFER	<b>JOHN A KEEFER</b>		AJV-A432	12/21/2023
	Feb 16, 2024			

<u>APPROVED BY</u>	<u>SIGNATURE</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CASIMIR TABAKA		<b>CASIMIR L TABAKA</b>	AJV-A430		MANAGER
		Feb 21, 2024			

**REQUIRED EFFECTIVE DATE**  
 CONCURRENT WITH AIRSPACE DOCKET 22-ANM-84

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZDV, AMGR

**CHANGES - REASONS:**



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

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>				
SINGG	ONE	SINGG1.SINGG	NONE						
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RWY 22 (AER)	475532.33N/1190434.76W	N	-	-	-	-			
2300 MSL		-	-	VA	231.31	-	AT/ABOVE 2300		CG 450 FT/NM TO 2300
SINGG	475930.00N/1190000.00W	Y	FB	DF	-	-			RIGHT TURN

