

**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SUPERSEDED NUMBER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>

**PBN REQUIREMENT NOTES:**

RNAV 1 - GPS

**EQUIPMENT REQUIREMENT NOTES:**

**PROCEDURAL DATA NOTES:**

**TAKEOFF MINIMUMS:**

**RWY 22:** 600-2 1/4 WITH MINIMUM CLIMB OF 450 FT/NM TO 2900.

**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, 2064 FT MSL.  
RISING TERRAIN 1.5 NM FROM DER, 9 FT RIGHT OF CENTERLINE, 2094 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/CEILING), 2586 FT MSL TRANSMISSION\_LINE 53-085394 475719.68N/1190456.60W (CLIMB TO ALTITUDE), 1969 FT MSL TREE 475357.32N/1190728.90W (VISIBILITY).

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

**MSA:**

MSA FROM 3W7 8000.

**LOST COMMUNICATIONS PROCEDURES:**



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:

AIRPORT ID	CITY	STATE
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.  
FLIGHT INSPECTION REQUESTED A SEE AND AVOID OPTION WITH CLIMB GRADIENT BE THE ONLY OPTION.

<u>FLIGHT INSPECTED BY</u>	<i>Digitally signed by</i>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	
JORDAN ROLIH	<b>CASIMIR L TABAKA</b>		FPO	04/16/2025	
	Mar 10, 2025				
<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	
JOHN KEEFER	<b>CASIMIR L TABAKA</b>		AJV-A432	12/21/2023	
	Mar 10, 2025				
<u>APPROVED BY</u>	<i>Digitally signed by</i>	<u>SIGNATURE</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CASIMIR TABAKA	<b>CASIMIR L TABAKA</b>		AJV-A430		MANAGER
	Mar 10, 2025				
<u>REQUIRED EFFECTIVE DATE</u>	Mar 10, 2025				
CONCURRENT WITH AIRSPACE DOCKET 22-ANM-84					

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ZDV, AMGR

CHANGES - REASONS:

- 2/25/2025: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/21/23.
1. CHANGED TAKEOFF MINIMUMS FROM STANDARD WITH MINIMUM CLIMB OF 450 FT/NM TO 2700 TO STANDARD WITH MINIMUM CLIMB OF 450 FT/NM TO 2700 OR 600-2 1/4 WITH MINIMUM CLIMB OF 390 FT/NM TO 2900.
  2. UPDATED TAKEOFF OBSTACLE NOTES.
  3. ADDED SEE AND AVOID VISIBILITY OBSTACLE 1969 FT MSL TREE 475357.32N/1190728.90W (VISIBILITY) TO CONTROLLING OBSTACLES.
  4. CHANGED CONTROLLING OBSTACLE DESIGNATION FROM 2103 FT MSL TERRAIN 53-086945 475408.87N/1190707.07W (CLIMB GRADIENT), TO 2103 FT MSL TERRAIN 53-086945 475408.87N/1190707.07W (CLIMB GRADIENT/CEILING).
  5. CHANGED OBSTACLE CODE FOR 2586 FT MSL TRANSMISSION LINE FROM 58-085394 TO 53-085394.
  6. REMARKS: ADDED FLIGHT INSPECTION REQUESTED A SEE AND AVOID OPTION BE OFFERED IN TAKEOFF MINIMUMS.



5/14/2025: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/21/23.

1. PER FLIGHT INSPECTION, CHANGED TAKEOFF MINIMUMS FROM **RWY 22**: STANDARD WITH MINIMUM CLIMB OF 450 FT/NM TO 2700 OR 600-2 1/4 WITH MINIMUM CLIMB OF 390 FT/NM TO 2900. TO RW22: 600 - 2 1/4 WITH MINIMUM CLIMB OF 450 FT/NM TO 2900.

2. UPDATED REMARK FROM FLIGHT INSPECTION REQUESTED A SEE AND AVOID OPTION BE OFFERED IN TAKEOFF MINIMUMS. TO FLIGHT INSPECTION REQUESTED A SEE AND AVOID OPTION WITH CLIMB GRADIENT BE THE ONLY OPTION.



**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 2900		
SINGG	475930.00N/1190000.00W	Y	FB	DF	-	-			RIGHT TURN		

