

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37**

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>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
KALW	WALLA WALLA	WA	5	9/08/2022

**TAKEOFF MINIMUMS:**

**RWY 20:** STANDARD.

**RWY 2:** 300-1 5/8 WITH MINIMUM CLIMB OF 236 FT PER NM TO 2000 OR STANDARD WITH MINIMUM CLIMB OF 374 FT PER NM TO 1500 OR 2900-3 FOR VCOA.

**TEXTUAL DEPARTURE PROCEDURES:**

**RWY 2:** CLIMBING LEFT TURN TO 2500 ON ALW VOR/DME R-201, THEN CLIMBING RIGHT TURN DIRECT ALW VOR/DME TO CROSS ALW VOR/DME AT OR ABOVE MEA OR MCA FOR ROUTE OF FLIGHT.

**RWY 20:** CLIMB ON ALW VOR/DME R-201 TO 2500, THEN CLIMBING RIGHT TURN DIRECT ALW VOR/DME TO CROSS ALW VOR/DME AT OR ABOVE MEA OR MCA FOR ROUTE OF FLIGHT.

**VISUAL CLIMB OVER AIRPORT:**

**RWY 2:** OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS WALLA WALLA RGNL AIRPORT AT OR ABOVE 2500 BEFORE PROCEEDING ON COURSE.

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 2,** RIDGELINE 61 FT FROM DER, 186 FT RIGHT OF CENTERLINE, 1197 FT MSL.  
RIDGELINES BEGINNING 72 FT FROM DER, 164 FT RIGHT OF CENTERLINE, UP TO 1198 FT MSL.  
VEHICLES ON ROAD BEGINNING 345 FT FROM DER, 115 FT LEFT OF CENTERLINE, UP TO 1207 FT MSL.  
VERTICAL STRUCTURE 5515 FT FROM DER, 1784 FT RIGHT OF CENTERLINE, 1405 FT MSL.  
VERTICAL STRUCTURE 1.2 NM FROM DER, 1982 FT RIGHT OF CENTERLINE, 1449 FT MSL.

**NOTE: RWY 20,** RIDGELINES BEGINNING 13 FT FROM DER, 189 FT LEFT OF CENTERLINE, UP TO 1156 FT MSL.  
RIDGELINE 77 FT FROM DER, 383 FT LEFT OF CENTERLINE, 1157 FT MSL.  
SIGN 142 FT FROM DER, 444 FT LEFT OF CENTERLINE, 4 FT AGL/1160 FT MSL.  
VEHICLE ON ROAD 471 FT FROM DER, 219 FT LEFT OF CENTERLINE, 1167 FT MSL

**CONTROLLING OBSTACLES:**

**RWY 2:** 1800 FT MSL POLE 460836.00N/1181330.00W (236 CG/2000 CGTA), 1405 FT MSL VERTICAL STRUCTURE 460632.70N/1181528.70W (374 CG/1500 CGTA), 1449 FT MSL VERTICAL STRUCTURE 460650.00N/1181507.00W (CEILING/VISIBILITY).

VISUAL CLIMB AREA OBSTACLE: **RWY 2, RWY 20:** 2000 FT MSL VERTICAL STRUCTURE 460404.00N/1181150.40W.

OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: **RWY 2, RWY 20:** 4046 FT MSL TOWER 455903.00N/1181012.00W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: **RWY 2, RWY 20:** 4046 FT MSL TOWER 455903.00N/1181012.00W.

**REMARKS:**

100 FT TREE HEIGHT USED.

**FLIGHT INSPECTED BY** *Digitally signed by*  
**MARK D ADAMS**  
Jul 26, 2022

**OFFICE** **DATE**

**DEVELOPED BY** *Digitally signed by*  
**ANA Y VEGA**  
ANA VEGA  
Apr 28, 2022

**OFFICE** **DATE**  
AJV-A411 02/14/2022

**APPROVED BY**  
JULIE MORGAN

**OFFICE** **DATE** **TITLE**  
AJV-A410 *Digitally signed by*  
**JULIE A MORGAN** MANAGER

**REQUIRED EFFECTIVE DATE:**  
9/8/2022

Jul 12, 2022

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZSE, CHINOOK APP CON, AMGR

**CHANGES - REASONS:**

1. REMOVED ALL REFERENCES TO RWYS 07/25 - PER AIRNAV RWYS PERMANETELY CLOSED.
2. TAKEOFF MINIMUMS: UPDATE RWY 2 FROM "STANDARD" TO "300-1 5/8 WITH MINIMUM CLIMB OF 236 FT PER NM TO 2000 OR STANDARD WITH MINIMUM CLIMB OF 374 FT PER NM TO 1500 OR 2900-3 FOR VCOA" - NEW EVALUATION.
3. TEXTUAL DEPARTURE PROCEDURES: AMENDED FROM "ALL AIRCRAFT: CLIMBING LEFT TURN TO 2500 ON ALW VOR/DME R-195, THEN CLIMBING RIGHT TURN DIRECT ALW VOR/DME TO CROSS ALW VOR/DME AT OR ABOVE MEA OR MCA FOR ROUTE OF FLIGHT" TO "RWY 2: CLIMBING LEFT TURN TO 2500 ON ALW VOR/DME R-201, THEN CLIMBING RIGHT TURN DIRECT ALW VOR/DME TO CROSS ALW VOR/



**AIRPORT ID**

KALW

**CITY**

WALLA WALLA

**STATE**

WA

**AMDT NO**

5

**EFFECTIVE DATE**

9/8/2022

DME AT OR ABOVE MEA OR MCA FOR ROUTE OF FLIGHT. RWY 20: CLIMB ON ALW VOR/DME R-201 TO 2500, THEN CLIMBING RIGHT TURN DIRECT ALW VOR/DME TO CROSS ALW VOR/DME AT OR ABOVE MEA OR MCA FOR ROUTE OF FLIGHT" - CLARIFICATION TO AVOID AIRCRAFT FROM TURNING LEFT AND NOT INTERCEPTING RADIAL.

4. VISUAL CLIMB OVER AIRPORT: ADDED RWY 2 - NEW CONTROLLING OBSTACLES OUTSIDE THE SEE AND AVOID 3 SM ICA EXTENDED AREA.

5. TAKEOFF OBSTACLES NOTES: ADDED NEW CONTROLLING OBSTACLES RWY 2 AND 20 - NEW EVALUATION/DEPARTURE OBSTACLE GROUPER.

6. CONTROLLING OBSTACLES: ADDED RWY 2 CONTROLLING OBSTACLE: 1800 FT MSL POLE 460836.00N/1181330.00W (236 CG/2000 CGTA), 1405 FT MSL VERTICAL STRUCTURE 460632.70N/1181528.70W (374 CG/1500 CGTA), 1449 FT MSL VERTICAL STRUCTURE 460650.00N/1181507.00W (CEILING/VISIBILITY) - INCORPORATE NOTAM 1/7964 AND NEW EVALUATION.

7. VISUAL CLIMB AREA OBSTACLE: ADDED "RWY 2, RWY 20: 2000 FT MSL VERTICAL STRUCTURE 460404.00N/1181150.40W. - NEW CONTROLLING OBSTACLES.

8. UPDATED OBSTACLE MANDATING ODP ROUTE DEVELOPMENT RWY 2/20 - NEW OBSTACLE EVALUATION.

9. ADDED "OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA TO ALTITUDE" - IAW 8260.46H PARA 2-1-6B(3)(A)

10. REMARKS: ADDED "100 FT TREE HEIGHT USED" - 100 FT TREE HEIGHT USED FOR PROCEDURE EVALUATION.

