

**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.

AIRPORT	AIRPORT ID	CITY	STATE	AMDT NO	ACTUAL EFFECTIVE DATE
SOUTHWEST OREGON RGNL	KOTH	NORTH BEND	OR	7	

TAKEOFF MINIMUMS:

RWY 5: 900-3 WITH MINIMUM CLIMB OF 300 FT PER NM TO 1500 OR STANDARD WITH MINIMUM CLIMB OF 475 FT PER NM TO 1200 OR 1600-3 FOR VCOA.

RWY 13: 400 -2 1/2 WITH MINIMUM CLIMB OF 250 FT PER NM TO 2500 OR 1600-3 FOR VCOA.

RWY 23: STANDARD.

RWY 31: 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 300.

TEXTUAL DEPARTURE PROCEDURES:

RWY 5: CLIMB ON HEADING 045.66 TO INTERCEPT OTH VOR/DME R-340 NORTHWEST BOUND TO 1800 BEFORE PROCEEDING ON COURSE.

RWY 13: CLIMB ON HEADING 134.63 TO 1300 BEFORE PROCEEDING ON COURSE.

RWY 23: CLIMB ON HEADING 225.67 TO 700 BEFORE PROCEEDING ON COURSE.

RWY 31: CLIMB ON HEADING 314.64 TO 800 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

RWY 5, 13: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS SOUTHWEST OREGON RGNL AIRPORT AT OR ABOVE 1500 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5: TOWER 383 FT FROM DER, 207 FT RIGHT OF CENTERLINE, 23 FT AGL/35 FT MSL. SHIP 1000 FT FROM DER, ON CENTERLINE, UP TO 140 MSL. BRIDGE BEGINNING 1886 FT FROM DER, 628 FT LEFT OF CENTERLINE, UP TO 89 FT AGL/93 FT MSL. TRANSMISSION LINE BEGINNING 4259 FT FROM DER, 1563 FT RIGHT OF CENTERLINE, 215 FT AGL/228 FT MSL. BRIDGE, TRANSMISSION LINE BEGINNING 4741 FT FROM DER, 579 FT RIGHT OF CENTERLINE, UP TO 265 FT AGL/268 FT MSL. TREE 1.2 NM FROM DER, 410 FT LEFT OF CENTERLINE, 211 FT MSL. TREE 1.3 NM FROM DER, 1380 FT LEFT OF CENTERLINE, 428 FT MSL. TREES BEGINNING 1.4 NM FROM DER, 704 FT LEFT OF CENTERLINE, UP TO 435 FT MSL. TREE 1.5 NM FROM DER, 984 FT LEFT OF CENTERLINE, 463 FT MSL. TREE 1.5 NM FROM DER, 946 FT LEFT OF CENTERLINE, 467 FT MSL. TREES, BUILDINGS BEGINNING 1.6 NM FROM DER, 777 FT LEFT OF CENTERLINE, UP TO 513 FT MSL. TREE 1.6 NM FROM DER, 2832 FT RIGHT OF CENTERLINE, 348 FT MSL. TREE 1.6 NM FROM DER, 1768 FT RIGHT OF CENTERLINE, 367 FT MSL. TREE 2.1 NM FROM DER, 36 FT LEFT OF CENTERLINE, 515 FT MSL. TREE 2.3 NM FROM DER, 2038 FT RIGHT OF CENTERLINE, 648 FT MSL. TREES BEGINNING 2.5 NM FROM DER, 894 FT RIGHT OF CENTERLINE, UP TO 767 FT MSL.

NOTE: RWY 13: VEGETATION, VEHICLE ON ROAD BEGINNING 37 FT FROM DER, 174 FT LEFT OF CENTERLINE, UP TO 33 FT MSL. VEGETATION 192 FT FROM DER, 145 FT RIGHT OF CENTERLINE, 37 FT MSL. TREE 345 FT FROM DER, 509 FT RIGHT OF CENTERLINE, 62 FT MSL. TREES, BUILDINGS, TRANSMISSION LINES, POLES BEGINNING 412 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 76 FT MSL. TREE 627 FT FROM DER, 52 FT LEFT OF CENTERLINE, 38 FT MSL. TREE 2536 FT FROM DER, 648 FT RIGHT OF CENTERLINE, 94 FT MSL. TREE 2644 FT FROM DER, 529 FT RIGHT OF CENTERLINE, 98 FT MSL. TREE 3012 FT FROM DER, 1101 FT LEFT OF CENTERLINE, 214 FT MSL. TREE, BUILDING BEGINNING 3059 FT FROM DER, 299 FT RIGHT OF CENTERLINE, UP TO 108 FT MSL. TREES, SPIRE BEGINNING 3066 FT FROM DER, 68 FT LEFT OF CENTERLINE, UP TO 243 FT MSL. POLE 3418 FT FROM DER, 512 FT RIGHT OF CENTERLINE, 77 FT AGL/114 FT MSL. TREES BEGINNING 3578 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 291 FT MSL. TREES, POLE BEGINNING 3876 FT FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 298 FT MSL. TREE 4451 FT FROM DER, 182 FT RIGHT OF CENTERLINE, 137 FT MSL. TREE 1 NM FROM DER, 58 FT RIGHT OF CENTERLINE, 204 FT MSL. TREES, POLE BEGINNING 1 NM FROM DER, 16 FT RIGHT OF CENTERLINE, UP TO 238 FT MSL. POLE 1.3 NM FROM DER, 977 FT RIGHT OF CENTERLINE, 75 FT AGL/247 FT MSL.

NOTE: RWY 23: SHIP 4050 FT FROM DER, ON CENTERLINE, UP TO 140 MSL.

NOTE: RWY 31: SHIP 1000 FT FROM DER, ON CENTERLINE, UP TO 140 MSL. TREES BEGINNING 5037 FT FROM DER, 272 FT LEFT OF CENTERLINE, UP TO 185 FT MSL. TREE 5426 FT FROM DER, 140 FT LEFT OF CENTERLINE, 202 FT MSL. TREES BEGINNING 5714 FT FROM DER, 13 FT LEFT OF CENTERLINE, UP TO 208 FT MSL. TREE 5984 FT FROM DER, 1420 FT RIGHT OF CENTERLINE, 188 FT MSL. TREE 1.3 NM FROM DER, 803 FT LEFT OF CENTERLINE, 232 FT MSL.

CONTROLLING OBSTACLES:

RWY 5: 509 FT MSL TREE 432613.63N/1241257.11W (CG), 660 FT MSL TREE 432646.84N/1241104.17W (CG), 1142 FT MSL AAO 432739.00N/1240821.00W (CTA).

RWY 13: 291 FT MSL TREE 432409.98N/1241334.63W (CG), 349 FT MSL TREE 432247.50N/1241334.34W (CG), 1839 FT MSL AAO 431718.00N/1240454.00W (CTA).

RWY 31: 202 FT MSL TREE 432556.97N/1241525.28W (CG/CTA), 232 FT MSL TREE 432617.71N/1241552.38W.

RWY 5, 13 (VCOA): VISUAL CLIMB AREA OBSTACLE: 869 FT MSL TREE 432453.50N/1241014.90W, OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: 1439 FT MSL AAO 432708.03N/1240733.82W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 5: 1510 FT MSL TOWER 432748.00N/1240548.00W.

RWY 13: 1119 FT MSL TOWER 432325.00N/1240752.00W.

RWY 23: 1439 FT MSL AAO 432708.03N/1240733.82W.

RWY 31: 1546 FT MSL AAO 432842.00N/1240630.00W.

REMARKS:

SHIP TAKEOFF OBSTACLE NOTES WERE NOT IDENTIFIED AS LOW CLOSE-IN OBSTACLES FROM THE TARGETS/DEPARTURE OBSTACLE GROUPER EVALUATION BUT WERE RETAINED FROM PREVIOUS AMENDMENT IN THE INTEREST OF SAFETY.



AIRPORT	AIRPORT ID	CITY	STATE	AMDT NO	EFFECTIVE DATE
SOUTHWEST OREGON RGNL	KOTH	NORTH BEND	OR	7	

FLIGHT INSPECTED BY

OFFICE

DATE

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCT 23, 2018, SUBJECT: FLIGHT INSPECTION NOT REQUIRED.

Digitally signed by

DONALD H LANIER

Nov 07, 2019

OFFICE

DATE

DEVELOPED BY

DONALD LANIER (TARA N. MARTINELLI)

Digitally signed by

DONALD H LANIER

Nov 07, 2019

OFFICE

DATE

TITLE

APPROVED BY

GEORGE DAVIS

DONALD H LANIER

Nov 07, 2019

AJV-A430

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

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

CHANGES - REASONS:

1. CHANGED ALL REFERENCE TO RWY 4/22 TO RWY 5/23 - RWY NUMBERING UPDATED PER THE WFPT RAPT.
2. TAKEOFF OBSTACLE NOTES UPDATED - EVALUATION COMPLETED IN TARGETS/DEPARTURE OBSTACLE GROUPER.
3. ADDED STATEMENT TO RWY 5, 13 VCOA CONTROLLING OBSTACLES "VISUAL CLIMB AREA OBSTACLE:" AND "OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE" - PER THE DOCUMENTATION REQUIREMENT IN 8260.46G APPENDIX D PARA 11.D.
4. RWY 5, 13 VCOA VISIBILITY CHANGED FROM 2 1/2 SM TO 3 SM - MINIMUM VISIBILITY IS 3 SM IAW 8260-3D, 14-4-4 A.
5. CHANGED TEXTUAL DEPARTURE PROCEDURE FOR ALL RWYS FROM "CLIMB HEADING" TO "CLIMB ON HEADING" - IAW 8260.46G, 1-1-5 A(3).
6. ADDED TO REMARKS: SHIP TAKEOFF OBSTACLE NOTES WERE NOT IDENTIFIED AS LOW CLOSE-IN OBSTACLES FROM THE TARGETS/ DEPARTURE OBSTACLE GROUPER EVALUATION BUT WERE RETAINED FROM PREVIOUS AMENDMENT IN THE INTEREST OF SAFETY.

QUALITY
8
CHECKED