

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

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
SALEM, OR	MCNARY FLD	27 APRIL 2017	9

**TAKEOFF MINIMUMS:**

**RWY 31, 34** STANDARD.

**RWY 13**, STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 1100, OR 1500-2 1/2 FOR VCOA.

**RWY 16**, STANDARD WITH MINIMUM CLIMB OF 570 FT PER NM TO 1100 OR 400-2 1/2 WITH MINIMUM CLIMB OF 260 FT PER NM TO 1100 OR 1500-2 1/2 FOR VCOA.

**TEXTUAL DEPARTURE PROCEDURES:**

**RWY 13:** CLIMB DIRECT TURNO NDB (ADF REQUIRED). WESTBOUND AIRCRAFT, PROCEED ON COURSE. EASTBOUND AIRCRAFT CONTINUE CLIMB IN HOLDING (HOLD SE, LEFT TURNS, 313 INBOUND) TO CROSS TURNO NDB/INT AT OR ABOVE 2500 FT BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

**RWY 16:** CLIMBING LEFT TURN DIRECT TURNO NDB (ADF REQUIRED). WESTBOUND AIRCRAFT, PROCEED ON COURSE. EASTBOUND AIRCRAFT CONTINUE CLIMB IN HOLDING (HOLD SE, LEFT TURNS, 313 INBOUND) TO CROSS TURNO NDB/INT AT OR ABOVE 2500 FT BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

**RWY 31, 34:** CLIMBING RIGHT TURN DIRECT TURNO NDB (ADF REQUIRED). WESTBOUND AIRCRAFT, PROCEED ON COURSE. EASTBOUND AIRCRAFT CONTINUE CLIMB IN HOLDING (HOLD SE, LEFT TURNS, 313 INBOUND) TO CROSS TURNO NDB/INT AT OR ABOVE 2500 FT BEFORE PROCEEDING ON COURSE.

**VISUAL CLIMB OVER AIRPORT:**

**RWY 13, 16:** OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS, CROSS MCNARY FIELD AIRPORT AT OR ABOVE 1600 BEFORE PROCEEDING ON COURSE.

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 13**, TREE 1515 FT FROM DER, 737 FT LEFT OF CENTERLINE, 262 FT MSL. TREE 3712 FT FROM DER, 952 FT RIGHT OF CENTERLINE, 315 FT MSL. TREES BEGINNING 3831 FT FROM DER, 1104 FT RIGHT OF CENTERLINE, UP TO 339 FT MSL. TREE 4163 FT FROM DER, 590 FT LEFT OF CENTERLINE, 320 FT MSL. TREE 5077 FT FROM DER, 1442 FT RIGHT OF CENTERLINE, 372 FT MSL. TREE 1.9 NM FROM DER, 3300 FT RIGHT OF CENTERLINE, 514 FT MSL.

**NOTE: RWY 16**, TREE, POLES AND TOWER BEGINNING 554 FT FROM DER, 66 FT RIGHT OF CENTERLINE, UP TO 279 FT MSL. TREE 1202 FT FROM DER, 302 FT LEFT OF CENTERLINE, 252 FT MSL. BLDG 1202 FT FROM DER, 66 FT LEFT OF CENTERLINE, 39 FT AGL/255 FT MSL. TREE 1819 FT FROM DER, 780 FT LEFT OF CENTERLINE, 305 FT MSL. TREE 1950 FT FROM DER, 358 FT RIGHT OF CENTERLINE, 285 FT MSL. TREES BEGINNING 3042 FT FROM DER, 216 FT RIGHT OF CENTERLINE, UP TO 426 FT MSL. TREES BEGINNING 4527 FT FROM DER, 273 FT LEFT OF CENTERLINE, UP TO 424 FT MSL. TREES BEGINNING 5227 FT FROM DER, 369 FT RIGHT OF CENTERLINE, UP TO 480 FT MSL. TREE, T-L TWR, AND POLE BEGINNING 1.0 NM FROM DER, 219 FT LEFT OF CENTERLINE, UP TO 495 FT MSL. TREES BEGINNING 1.2 NM FROM DER, 541 FT LEFT OF CENTERLINE, UP TO 534 FT MSL. TREE 1.3 NM FROM DER, 200 FT RIGHT OF CENTERLINE, 569 FT MSL. TREE 1.9 NM FROM DER, 2677 FT RIGHT OF CENTERLINE, 562 FT MSL.

**NOTE: RWY 31**, TREES BEGINNING 1220 FT FROM DER, 480 FT LEFT OF CENTERLINE, UP TO 247 FT MSL. TREE 1709 FT FROM DER, 749 FT LEFT OF CENTERLINE, 251 FT MSL. TREE 2045 FT FROM DER, 802 FT LEFT OF CENTERLINE, 268 FT MSL. TREE 2988 FT FROM DER, 277 FT RIGHT OF CENTERLINE, 270 FT MSL.

**NOTE: RWY 34**, VEHICLE ON ROAD 469 FT FROM DER, 252 FT RIGHT OF CENTERLINE, 208 FT MSL. TREES BEGINNING 1691 FT FROM DER, 229 FT RIGHT OF CENTERLINE, UP TO 265 FT MSL. TREES BEGINNING 3112 FT FROM DER, 340 FT RIGHT OF CENTERLINE, UP TO 282 FT MSL. TREE 3238 FT FROM DER, 330 FT LEFT OF CENTERLINE, 288 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 13:** 4530 FT MSL AAO 443809.00N/1223422.28W (CTA), 793 FT MSL TREE 445119.28N/1225836.10W (CG), 839 FT MSL TREE 445059.45N/1225834.82W (CG/CTA).

**RWY 16:** 4530 FT MSL AAO 443809.00N/1223422.28W (CTA), 426 FT MSL TREE 445337.28N/1230025.84W (CG), 569 FT MSL TREE 445243.73N/1230017.24W (CIG), 562 FT MSL TREE 445207.84N/1230052.33W (VIS), 793 FT MSL TREE 445119.28N/1225836.10W (CG), 839 FT MSL TREE 445059.45N/1225834.82W (CG/CTA).

**RWY 31, 34:** 4530 FT MSL AAO 443809.00N/1223422.28W (CTA).

**VCOA:** 700 FT MSL TOWER 445435.25N/1230329.81W (VCA), 4530 FT MSL AAO 443809.00N/1223422.28W (CTA).

**OBSTACLE MANDATING ROUTE DEVELOPMENT: RWY 13, 16, 31, 34** - 5081 FT MSL AAO 445813.17N/1221838.65W.

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SALEM, OR

**AIRPORT**

MCNARY FLD

**EFFECTIVE DATE**

27 APRIL 2017

**AMDT NO**

9

**REMARKS:**

**FLIGHT INSPECTED BY:**      *Digitally signed by*  
CHARLES D CUNNINGHAM      **BEV L BORDY**  
Feb 07, 2017

**OFFICE SYMBOL:**

FICO

**DATE:**

02/02/2017

**DEVELOPED BY:**      *Digitally signed by*  
SYLVAN DRAKES      **SYLVAN DRAKES**  
Aug 31, 2016

**OFFICE SYMBOL:**

AJV-5433

**DATE:**

07/27/2016

**APPROVED BY:**      *Digitally signed by*  
LONNIE EVERHART      **BEV L BORDY**  
Feb 07, 2017

**OFFICE SYMBOL:**

AJV-5430

**DATE:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

<b>A4A</b>	<b>ALPA</b>	<b>AOPA</b>	<b>APA</b>	<b>HAI</b>	<b>NBAA</b>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**

ZSE, SLE ATCT, AMGR

**CHANGES - REASONS:**

1. RE-CHARACTERIZED TURNO FROM TURNO LOM TO TURNO NDB (SL) - TURNO OM BEING REMOVED TO LEAVE A STAND ALONE NDB.
2. PERMANENT NOTAMS FDC 2/0203 (TAKEOFF OBSTACLE NOTES) CANCELLED DUE TO THIS AMENDMENT.
3. RAISED VCOA CLIMB-TO ALTITUDE FROM 1500 TO 1600, AND CEILING FROM 1400 TO 1500.
4. UPDATED/ADDED TAKEOFF OBSTACLE NOTES.