

**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
MC MINNVILLE MUNI	KMMV	MC MINNVILLE	OR	5	25 FEBRUARY 2021

TAKEOFF MINIMUMS:

RWY 35: STANDARD.

RWY 4: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 275 FT PER NM TO 500, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2200 FEET PRIOR TO DER.

RWY 17: STANDARD WITH MINIMUM CLIMB OF 303 FT PER NM TO 800, OR 1900-3 FOR VCOA.

RWY 22: STANDARD WITH MINIMUM CLIMB OF 303 FT PER NM TO 1400, OR 1900-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 4: CLIMB ON HEADING 038.20 TO INTERCEPT UBG R-170 TO UBG VOR/DME, THENCE...

RWY 17, 22: CLIMBING LEFT TURN TO INTERCEPT UBG R-183 TO UBG VOR/DME, THENCE...

RWY 35: CLIMB ON HEADING 346.88 TO INTERCEPT UBG R-221 TO UBG VOR/DME, THENCE...

...CONTINUE CLIMB IN UBG VOR/DME HOLDING PATTERN (HOLD SOUTH, LEFT TURNS, 003.00 INBOUND) TO CROSS UBG VOR/DME AT OR ABOVE MEA FOR ROUTE OF FLIGHT.

VISUAL CLIMB OVER AIRPORT:

RWY 17, 22: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS MC MINNVILLE MUNI AT OR ABOVE 1900 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4, LIGHTING 5 FT FROM DER, 5 FT RIGHT OF CENTERLINE, 2 FT AGL/162 FT MSL.

TREES BEGINNING 2041 FT FROM DER, 208 FT RIGHT OF CENTERLINE, UP TO 266 FT MSL.

TREE 2373 FT FROM DER, 1077 FT LEFT OF CENTERLINE, 239 FT MSL.

TREES BEGINNING 2511 FT FROM DER, 1017 FT LEFT OF CENTERLINE, UP TO 241 FT MSL.

TREES BEGINNING 2706 FT FROM DER, 1132 FT LEFT OF CENTERLINE, UP TO 248 FT MSL.

TREE 2848 FT FROM DER, 1193 FT RIGHT OF CENTERLINE, 269 FT MSL.

TREES BEGINNING 2909 FT FROM DER, 935 FT LEFT OF CENTERLINE, UP TO 268 FT MSL.

TREES BEGINNING 3048 FT FROM DER, 205 FT LEFT OF CENTERLINE, UP TO 270 FT MSL.

TREES BEGINNING 3333 FT FROM DER, 651 FT LEFT OF CENTERLINE, UP TO 274 FT MSL.

TREE 3376 FT FROM DER, 998 FT LEFT OF CENTERLINE, 275 FT MSL.

TREES BEGINNING 3462 FT FROM DER, 1152 FT LEFT OF CENTERLINE, UP TO 290 FT MSL.

TREE 5016 FT FROM DER, 1520 FT LEFT OF CENTERLINE, 313 FT MSL.

TREES BEGINNING 5167 FT FROM DER, 1279 FT LEFT OF CENTERLINE, UP TO 336 FT MSL.

TREES BEGINNING 5384 FT FROM DER, 1242 FT LEFT OF CENTERLINE, UP TO 344 FT MSL.

TREES BEGINNING 5783 FT FROM DER, 1155 FT LEFT OF CENTERLINE, UP TO 356 FT MSL.

TREE 5949 FT FROM DER, 1449 FT LEFT OF CENTERLINE, 357 FT MSL.

NOTE: RWY 17, NOTE: RWY 17, VEHICLES ON ROAD BEGINNING 191 FT FROM DER, 431 FT LEFT OF CENTERLINE, UP TO 176 FT MSL.

VEHICLES ON ROAD BEGINNING 279 FT FROM DER, 263 FT RIGHT OF CENTERLINE, UP TO 171 FT MSL.

TREE 1920 FT FROM DER, 457 FT RIGHT OF CENTERLINE, 231 FT MSL.

TREE 1961 FT FROM DER, 625 FT LEFT OF CENTERLINE, 257 FT MSL.

TREE 1.7 NM FROM DER, 3214 FT LEFT OF CENTERLINE, 527 FT MSL.

NOTE: RWY 22, TREE, LIGHTING BEGINNING 1 FT FROM DER, 124 FT RIGHT OF CENTERLINE, UP TO 191 FT MSL.

LIGHTING 42 FT FROM DER, 125 FT LEFT OF CENTERLINE, 3 FT AGL/162 FT MSL.

TREE 283 FT FROM DER, 563 FT LEFT OF CENTERLINE, 229 FT MSL.

TREES BEGINNING 314 FT FROM DER, 5 FT LEFT OF CENTERLINE, UP TO 255 FT MSL.

TREE 1285 FT FROM DER, 222 FT RIGHT OF CENTERLINE, 194 FT MSL.

TREE 1308 FT FROM DER, 415 FT RIGHT OF CENTERLINE, 197 FT MSL.

TREE 1342 FT FROM DER, 544 FT RIGHT OF CENTERLINE, 202 FT MSL.

TREES BEGINNING 1356 FT FROM DER, 40 FT RIGHT OF CENTERLINE, UP TO 229 FT MSL.

TREE 1885 FT FROM DER, 973 FT RIGHT OF CENTERLINE, 235 FT MSL.

TREE 1943 FT FROM DER, 655 FT RIGHT OF CENTERLINE, 243 FT MSL.

TREES BEGINNING 2010 FT FROM DER, 127 FT RIGHT OF CENTERLINE, UP TO 245 FT MSL.

TREES BEGINNING 2602 FT FROM DER, 486 FT RIGHT OF CENTERLINE, UP TO 254 FT MSL.

TREE 4047 FT FROM DER, 1318 FT LEFT OF CENTERLINE, 284 FT MSL.

TREE 4662 FT FROM DER, 1708 FT RIGHT OF CENTERLINE, 292 FT MSL.

TREE 4939 FT FROM DER, 482 FT LEFT OF CENTERLINE, 293 FT MSL.

NOTE: RWY 35, TREE 1687 FT FROM DER, 228 FT RIGHT OF CENTERLINE, 205 FT MSL.

TREES BEGINNING 1827 FT FROM DER, 217 FT RIGHT OF CENTERLINE, UP TO 240 FT MSL.

QUALITY
21
CHECKED

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TREE 3343 FT FROM DER, 1087 FT RIGHT OF CENTERLINE, 248 FT MSL.
 TREE 3858 FT FROM DER, 1445 FT RIGHT OF CENTERLINE, 268 FT MSL.
 TREES BEGINNING 3904 FT FROM DER, 289 FT RIGHT OF CENTERLINE, UP TO 300 FT MSL.

CONTROLLING OBSTACLES:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: 3280 FT MSL AAO 451654.00N/1232654.00W.
 RWY 4: 344 FT MSL TREE 451241.34N/1230658.67W (CLIMB GRADIENT)(CLIMB GRADIENT TERMINATION ALTITUDE), 356 FT MSL TREE 451242.16N/1230652.76W(CEILING)(VISIBILITY), 326 FT MSL TREE 451238.97N/1230658.87W (REDUCED TAKEOFF RUNWAY LENGTH).
 RWY 17: 579 FT MSL TREE 450922.69N/1230730.37W (CLIMB GRADIENT)(CLIMB GRADIENT TERMINATION ALTITUDE).
 RWY 22: 1080 FT MSL AAO 450751.28N/1231117.39W (CLIMB GRADIENT)(CLIMB GRADIENT TERMINATION ALTITUDE).
 VISUAL CLIMB AREA OBSTACLE: 659 FT MSL TREE 450820.61N/1230825.79W.
 OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: 3280 FT MSL AAO 451654.00N/1232654.00W.

REMARKS:

FLIGHT INSPECTED BY

DANIEL C FAVORITE

Digitally signed by

DONALD H LANIER

Oct 16, 2020

OFFICE

FICO

DATE

10/15/2020

DEVELOPED BY

CHRISTOPHER STEWART

Christopher Allen
Stewart

Digitally signed by Christopher Allen
Stewart
Date: 2020.07.18 18:12:21 -0500

OFFICE

AJV-A431

DATE

04/15/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

DONALD H LANIER

Oct 16, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

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

CHANGES - REASONS:

1. INCREASED RWY 4 MINIMUM CLIMB FROM "238 FT PER NM TO 400" TO "275 FT PER NM TO 500" - NEW CONTROLLING OBSTACLE.
2. INCREASED RWY 4 TAKEOFF DISTANCE FROM "TAKEOFF MUST OCCUR NO LATER THAN 2000 FEET PRIOR TO DER" TO "TAKEOFF MUST OCCUR NO LATER THAN 2200 FEET PRIOR TO DER" - NEW CONTROLLING OBSTACLE.
3. DECREASED RWY 4 CEILING VIS FROM 400-1 1/4 TO 300-1 1/4 - NEW EVALUATION.
4. UPDATED TAKEOFF OBSTACLE NOTES FOR ALL RWYS - NEW EVALUATION.
5. INCREASED RWY 17, 22 VCOA MINIMUMS FROM 1800-2 1/2 TO 1900-3 - NEW CONTROLLING OBSTACLE.
6. INCREASED RWY 17, 22 VCOA ALTITUDE FROM 1800 TO 1900 - NEW CONTROLLING OBSTACLE.
7. CHANGED RWY 4 HEADING FROM 038.19 TO 038.20 AND RWY 35 FROM 346.89 TO 346.88 - ROUNDED RWY BRG.
8. UPDATED RWY 4, 17, 22 AND VCOA CONTROLLING OBSTACLES - NEW EVALUATION.
9. ADDED THE PHRASE "OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE." TO THE VCOA INSTRUCTIONS - 8260.46G APPENDIX D.
10. ADDED "OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: 3280 FT MSL AAO 451654.00N/1232654.00W." - NEW CONTROLLING OBSTACLE.
11. CHANGED RWY 17 MINIMUMS FROM "STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 1200" TO "STANDARD WITH MINIMUM CLIMB OF 303 FT PER NM TO 800." - NEW CONTROLLING OBSTACLE.

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21
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