

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION  
**TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)**

Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.

City, State	Airport	Effective Date	Amdt. No.
MOUNDSVILLE, WV	MARSHALL COUNTY	24 JULY 2014	2

**TAKEOFF MINIMUMS:**

RWY 6, STANDARD WITH MINIMUM CLIMB OF 228 FT PER NM TO 1900 OR 900-2 1/2 FOR CLIMB IN VISUAL CONDITIONS.  
RWY 24, 300-2 OR STANDARD WITH MINIMUM CLIMB OF 385 FT PER NM TO 1600.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 6, FOR CLIMB IN VISUAL CONDITIONS CROSS MARSHALL COUNTY AIRPORT AT OR ABOVE 2000 BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.  
RWY 24, CLIMB HEADING 239.66 TO 1700 BEFORE TURNING LEFT.

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 6,** TREES BEGINNING 6 FT FROM DER, 65 FT LEFT OF CENTERLINE, UP TO 68 FT AGL/1207 FT MSL. TREES BEGINNING 46 FT FROM DER, 391 FT RIGHT OF CENTERLINE, UP TO 122 FT AGL/1237 FT MSL. TREES BEGINNING 113 FT FROM DER, 85 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1219 FT MSL. TREES BEGINNING 156 FT FROM DER, 84 FT LEFT OF CENTERLINE, UP TO 48 FT AGL/1227 FT MSL. TREES BEGINNING 3967 FT FROM DER, 948 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1399 FT MSL. POLE 4755 FT FROM DER, 65 FT LEFT OF CENTERLINE, 32 FT AGL/1316 FT MSL.

**NOTE: RWY 24,** TREES BEGINNING 10 FT FROM DER, 371 FT LEFT OF CENTERLINE, UP TO 65 FT AGL/1244 FT MSL. TREES BEGINNING 28 FT FROM DER, 74 FT RIGHT OF CENTERLINE, UP TO 17 FT AGL/1216 FT MSL. TREES BEGINNING 116 FT FROM DER, 435 FT LEFT OF CENTERLINE, UP TO 98 FT AGL/1250 FT MSL. TREES BEGINNING 1349 FT FROM DER, 310 FT LEFT OF CENTERLINE, UP TO 112 FT AGL/1291 FT MSL. TREES BEGINNING 1644 FT FROM DER, 318 FT RIGHT OF CENTERLINE, UP TO 78 FT AGL/1277 FT MSL. AG EQUIPMENT 2454 FROM DER, 729 FT RIGHT OF CENTERLINE, 54 FT AGL/1316 FT MSL. POLES AND BLDGS BEGINNING 2588 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 55 FT AGL/1368 FT MSL. VEHICLE ON ROAD BEGINNING 2881 FT FROM DER, 948 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/1311 FT MSL. BLDGS AND POLES BEGINNING 5270 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 55 FT AGL/1441 FT MSL. TRMSN TWRS BEGINNING 5499 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 104 FT AGL/1479 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 6: 1706 FT MSL TOWER 395426.25N/0804025.96W.

RWY 24: 1479 FT MSL TRMSN TWR 395207.84N/0804522.04W, 1442 FT MSL TREE 395134.64N/0804534.86W.

RWY 6: (VCOA): 1706 FT MSL TOWER 395426.25N/0804025.96W.

**OBSTACLES MANDATING ROUTE DEVELOPMENT:**

RWY 24: 1639 FT MSL TOWER 395050.95N-0804522.27W.

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**REMARKS:**

100 FT VEGETATION USED PER FPT.

**FLIGHT INSPECTED BY:**

James Hawley

 4/16/14

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**DEVELOPED BY:**

JACOB POWERS  
(NICK PETTIET)

 AJV-352

3/10/2014

**APPROVED BY:**

SUE CRUMB

 AJV-352

**COORDINATED WITH:**

MAY 06 2014

ALPA, AOPA, NBAA, ARPT MGR, EST FPO, ZOB.

**CHANGES:**

1. UPDATED RWY 6 TAKEOFF MINS FROM "500-2 OR STD. WITH A MIN. CLIMB OF 210' PER NM TO 1900." TO "STANDARD WITH MINIMUM CLIMB OF 228 FT PER NM TO 1900 OR 900-2 1/2 FOR CLIMB IN VISUAL CONDITIONS."
2. VCOA OPTION ADDED TO RWY 6 DEPARTURE PROCEDURE.
3. UPDATED RWY 24 TAKEOFF MINS FROM "300-2 OR STD. WITH A MIN CLIMB OF 230' PER NM TO 1600." TO "300-2 OR STANDARD WITH A MINIMUM CLIMB OF 385 FT PER NM TO 1600."
4. ADDED RWY 6 TEXTUAL DEPARTURE PROCEDURE TEXT "FOR CLIMB IN VISUAL CONDITIONS CROSS MARSHALL COUNTY AIRPORT AT OR ABOVE 2000 BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE."
5. ADDED RWY 24 TEXTUAL DEPARTURE PROCEDURE TEXT "CLIMB HEADING 239.66 TO 1700 BEFORE TURNING LEFT."
6. ADDED TAKEOFF OBSTACLE NOTES FOR RWY 6 AND RWY 24.

**REASONS:**

- 1, 3. BASED ON CURRENT OBSTACLE DATA AND MAP STUDY.
- 2, 4. 1706 OBSTACLE CAUSES CLIMB GRADIENT AND LIES OUTSIDE 3SM ICA, CANNOT BE MITTIGATED WITH OFFSET.
- 5, 6. IAW 8260.46D APPENDIX D, SEC 1. 8.