

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. |
|-----------------------|-----------------|----------------|-----------|
| MARION/WYTHEVILLE, VA | MOUNTAIN EMPIRE | | 2 |

TAKEOFF MINIMUMS:

RWY 8, 300-1 ¾ .
RWY 26, STANDARD WITH MINIMUM CLIMB OF 265 FT PER NM TO 3400 OR 4600-3 FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 8 - CLIMB HEADING 079.21 TO 4100 BEFORE PROCEEDING ON COURSE.
RWY 26 - CLIMB HEADING 259.22 TO 4400 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS: CROSS MOUNTAIN EMPIRE AIRPORT AT OR ABOVE 4600 FT MSL BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, TREES BEGINNING 58 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/2819 FT MSL. VEHICLES BEGINNING 225 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 17 FT AGL/2540 FT MSL. POLES BEGINNING 703 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 123 FT AGL/2537 FT MSL.
NOTE: RWY 26, TREES AND VEHICLES BEGINNING 250 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/3039 FT MSL.

CONTROLLING OBSTACLES:

RWY 8: 2739 FT MSL TREE 365344.96N/0812004.38W, 2819 FT MSL TREE 365355.77N/0811906.17W, 2756 FT MSL TREE 365418.28N/0811852.87W
RWY 26: 2939 FT MSL TREE 365334.35N/0812354.10W, 3139 FT MSL AAO 365332.00N/0812538.64W
RWY 26 (VCOA): 4259 FT MSL AAO 365022.05N/0812232.17W

REMARKS:

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 8 - 4159 FT MSL AAO 365756.53N/0812104.18W. RWY 26 - 4259 FT MSL AAO 365022.05N/0812232.17W



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| MARION/WYTHEVILLE, VA | MOUNTAIN EMPIRE | | 2 |

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

JAMES KRENEK FIOG 03/07/2012

ROUTINE

DEVELOPED BY:

KELLY D. DEAN AJV-352 10/25/2011

APPROVED BY:

DARRYEL ADAMS, MANAGER AJV-352

COORDINATED WITH:

AOPA, NBAA, ZTL, ARPT MGR

CHANGES:

1. CHANGED RWY 8 TAKEOFF MINIMUMS.
2. CHANGED RWY TAKEOFF DEPARTURE PROCEDURE.
3. UPDATED RWY 8 TAKEOFF NOTES.
4. UPDATED RWY 8 CONTROLLING OBSTACLES.
5. ADDED RWY 26 VCOA.

REASONS:

- 1., 2., 3., 4. ODP EVAL.
5. RWY 26 HAS REQUIRED CLIMB GRADIENT.

04/26/2012 THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/25/2011.
PER PRB, RWY 8 TAKEOFF MINIMUMS CHANGED FROM "400-1 ¾ OR STANDARD WITH MINIMUM CLIMB OF 1025 FT PER NM TO 3000" TO "300-1 ¾".





U.S. Department
of Transportation
**Federal Aviation
Administration**

Memorandum

MIKE MONRONEY AERONAUTICAL CENTER
NATIONAL FLIGHT PROCEDURES OFFICE, AVN-100
PO BOX 25082
OKLAHOMA CITY, OK 73125

Subject: **ACTION:** Approval Request

Date:

From: Manager, National Flight
Procedures Office, AJV-35

Reply to Darryel Adams :
Attn. of: (301)427-4824
FAX (405)954-9530

To: Manager, Flight Procedure
Standards Branch, AFS-420

Mountain Empire (KMKJ), Marion/Wytheville, VA
Rwy 8 Takeoff Minimums (ODP)

CLIMB GRADIENT EXCEEDS 500 FEET PER NM, 8260.46D PARA
2-1(d).

The computed climb gradient for Runway 8 is 1025 feet per NM to an altitude of 3000 MSL. The obstacles driving this climb gradient are surveyed trees and specialist derived trees on penetrating terrain within the ICA of the runway. The runway is 5252 feet long with approaches that support up to Cat C minimums.

Request the approval of a climb gradient of 1025 feet per NM.

Because of the obstacles proximity to the runway, there is no way to avoid the obstacle without a climb gradient except visually. There are numerous obstacles within the ICA which require climb gradients above 500 ft per nm. If 1025 ft per nm climb gradient is not approved, request ceiling and visibility of 400-1 $\frac{3}{4}$ be approved.

Greg Yamamoto

Attachment

Cc: AJV-35, AJV-34
File: AJV-34