

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.
BALTIMORE, MD	MARTIN STATE	5 MARCH 2015	5

TAKEOFF MINIMUMS:

RWY 15, STANDARD.

RWY 33, STANDARD WITH MINIMUM CLIMB OF 215 FT PER NM TO 1700 OR 1300-2 1/2 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

RWY 33: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS MARTIN STATE AIRPORT AT OR ABOVE 1200 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 15, TREES 625 FT FROM DER, 184 FT RIGHT OF CENTERLINE, UP TO 20 FT AGL/29 FT MSL. POLE AND TREES BEGINNING 1689 FT FROM DER, 580 FT LEFT OF CENTERLINE, UP TO 89 FT AGL/97 FT MSL. TREES BEGINNING 2568 FT FROM DER, 68 FT RIGHT OF CENTERLINE, UP TO 92 FT AGL/103 FT MSL. TREES BEGINNING 2906 FT FROM DER, 550 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/109 FT MSL.

NOTE: RWY 33, TERRAIN 91 FT FROM DER, 482 FT RIGHT OF CENTERLINE, 0 FT AGL/25 FT MSL. POLES AND TREES BEGINNING 1170 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 84 FT AGL/133 FT MSL. POLES AND TREES BEGINNING 1175 FT FROM DER, 10 FT RIGHT OF CENTERLINE, UP TO 79 FT AGL/128 FT MSL. TREES BEGINNING 3108 FT FROM DER, 8 FT LEFT OF CENTERLINE, UP TO 86 FT AGL/145 FT MSL. TREES BEGINNING 2843 FT FROM DER, 14 FT RIGHT OF CENTERLINE, UP TO 96 FT AGL/175 FT MSL.

CONTROLLING OBSTACLES:

RWY 33: 175 FT MSL TREE 392043.41N/0762605.51W (CLIMB GRADIENT). 1289 FT MSL TOWER 392504.00N/0763320.00W (CLIMB-TO ALTITUDE).

RWY 33 (VCOA): 370 FT MSL STACK 391925.00N/0762155.00W. 741 FT MSL TOWER 392103.00N/0762045.00W.

QUALITY
6
CHECKED

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REMARKS:

RWY 33 CLIMB GRADIENT WAS ROUNDED UP TO 215 FT PER NM FOR PUBLICATION (COMPUTES TO 212 FT PER NM).

FLIGHT INSPECTED BY: *Digitally signed by*
JULIE A MORGAN

STEPHAN BAUER Dec 23, 2014 FICO 12/18/2014

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY: *Digitally signed by*
JULIE A MORGAN

PETER GUIMOND Dec 23, 2014 AJV-352 9/22/2014

APPROVED BY: *Digitally signed by*

SUSAN CRUMB **JULIE A MORGAN** AJV-352 12/23/2014
Dec 23, 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZDC, POTOMAC APP CON, MTN TOWER, ARPT MGR

CHANGES:

1. AMENDED RWY 15 TAKEOFF MINIMUMS FROM 800-2 OR STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 1000 TO STANDARD.
2. DELETED RWY 15 TEXTUAL DEPARTURE PROCEDURE.
3. DELETED RWY 15 CONTROLLING OBSTACLES.
4. AMENDED RWY 33 TAKEOFF MINIMUMS FROM 1300-2 OR STANDARD WITH A MINIMUM CLIMB OF 340 FT PER NM TO STANDARD WITH MINIMUM CLIMB OF 215 FT PER NM TO 1700, OR 1300-2 1/2 FOR VCOA.
5. ADDED A VCOA TEXTUAL DEPARTURE PROCEDURE FOR RWY 33.
6. AMENDED THE RWY 33 CONTROLLING OBSTACLES. ADDED VCOA CONTROLLING OBSTACLES.
7. AMENDED RWY 15 AND RWY 33 TAKEOFF OBSTACLE NOTES.

REASONS:

1. NEW OBSTACLE STUDY. PENETRATING OBSTACLES QUALIFY AS LOW, CLOSE-IN.
2. NO LONGER NEEDED. PENETRATING OBSTACLES QUALIFY AS LOW, CLOSE-IN.
3. IAW CURRENT DOCUMENTATION POLICY. LOW, CLOSE-IN OBSTACLES ARE NOT DOCUMENTED AS CONTROLLING OBSTACLES.
4. NEW OBSTACLE STUDY. MINIMUMS FORMATTED IAW CURRENT DOCUMENTATION POLICY.
5. NEW OBSTACLE STUDY.
6. IAW CURRENT DOCUMENTATION POLICY.
7. NEW OBSTACLE STUDY.

