

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.
BIRMINGHAM, AL	BIRMINGHAM-SHUTTLESWORTH INTL		7

**TAKEOFF MINIMUMS:**

**RWY 24**, STANDARD WITH MINIMUM CLIMB OF 271 FT PER NM TO 1400.

**RWY 6**, 300-1 ¼ WITH MINIMUM CLIMB OF 279 FT PER NM TO 1800 OR STANDARD WITH MINIMUM CLIMB OF 421 FT PER NM TO 1300.

**RWY 18**, 600-3 WITH MINIMUM CLIMB OF 215 PER NM TO 1400 OR STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 1500.

**RWY 36**, 300-2 ¼ OR STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 1000.

**TEXTUAL DEPARTURE PROCEDURES:**

**RWY 6** – CLIMB HEADING 058.47 TO 1500 BEFORE PROCEEDING ON COURSE.

**RWY 18** – CLIMB HEADING 183.03 TO 2300 BEFORE PROCEEDING ON COURSE.

**RWY 24** – CLIMB HEADING 238.48 TO 2300 BEFORE PROCEEDING ON COURSE.

**RWY 36** – CLIMB HEADING 003.03 TO 1400 BEFORE PROCEEDING ON COURSE.

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 6**, TREE 1456 FT FROM DER, 854 FT RIGHT OF CENTERLINE, 61 FT AGL/767 FT MSL. TERRAIN 1759 FT FROM DER, 2 FT RIGHT OF CENTERLINE, 722 FT MSL.

**NOTE: RWY 18**, RISING TERRAIN BEGINNING 135 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 670 FT MSL. TREE, AND POLES BEGINNING 536 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 46 FT AGL/701 FT MSL. POLES, TOWER, AND TREES BEGINNING 1483 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 64 FT AGL/749 FT MSL.

**NOTE: RWY 24**, TREE 991 FT FROM DER, 562 FT LEFT OF CENTERLINE, 38 FT AGL/642 FT MSL. SIGN 2394 FT FROM DER, 1018 FT LEFT OF CENTERLINE, 54 FT AGL/671 FT MSL.

**NOTE: RWY 36**, FENCE, TREE, AND VEHICLES ON ROAD BEGINNING 130 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 28 FT AGL/662 FT MSL. TREE AND POLE BEGINNING 467 FROM DER, 470 FT RIGHT OF CENTERLINE, UP TO 63 FT AGL/726 FT MSL. TREES BEGINNING 637 FT FROM DER, 420 FT LEFT OF CENTERLINE, UP TO 13 FT AGL/696 FT MSL. POLE AND TREE BEGINNING 1353 FT FROM DER, 669 FT LEFT OF CENTERLINE, UP TO 37 FT AGL/739 FT MSL. TREES, POLES, AND FENCE BEGINNING 1279 FT FROM DER, 492 FT RIGHT OF CENTERLINE, UP TO 19 FT AGL/713 FT MSL. TERRAIN BEGINNING 43 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 794 FT MSL.

**CONTROLLING OBSTACLES:**

**RWY 6:** 870 FT MSL TREE 333548.10N/0864349.52W. 897 FT MSL TOWER 333508.00N/0864341.00W. 879 FT MSL TREE 333526.51N/0864312.91W. 1479 FT MSL AAO 333600.83N/0864002.53W.

**RWY 18:** 1219 FT MSL TOWER 333131.00N/0864430.00W. 1119 FT MSL TREE 333040.31N/0864544.08W. 1199 FT MSL AAO 332951.60N/0864340.14W.

**RWY 24:** 1174 FT MSL BLDG 333107.80N/0864826.22W.

**RWY 36:** 875 FT MSL TREE 333506.55N/0864435.68W. 919 FT MSL TREE 333610.19N/0864452.92W.

**OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:**

**RWY 6:** 1444 FT MSL TOWER 333343.50N/0864206.50W.

**RWY 18:** 2049 FT MSL TOWER 332925.00N/0864748.00W.

**RWY 24:** 2049 FT MSL TOWER 332921.00N/0864756.00W.

**RWY 36:** 2049 FT MSL TOWER 332925.00N/0864748.00W.

QUALITY  
1  
CHECKED

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**REMARKS:**

VCOA NOT ESTABLISHED PER ATC REQUEST.

**FLIGHT INSPECTED BY:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**DEVELOPED BY:**

DON SMITH  
(PHILLIP BRANDENBURG)                      AJV-352                      05/01/2012

**APPROVED BY:**

DARRYEL ADAMS                      AJV-352

**COORDINATED WITH:**

**CHANGES:**

1. AMENDED RWY 6 TAKEOFF MINIMUMS FROM 300-1 3/4 WITH MINIMUM CLIMB OF 282 FT PER NM TO 1800 OR STANDARD WITH MINIMUM CLIMB OF 421 FT PER NM TO 1800 TO READ 300-1 3/4 WITH MINIMUM CLIMB OF 279 FT PER NM TO 1800 OR STANDARD WITH MINIMUM CLIMB OF 421 FT PER NM TO 1300.
2. AMENDED RWY 6 TEXTUAL DEPARTURE PROCEDURE FROM CLIMB HEADING 058 TO 1500 BEFORE PROCEEDING ON COURSE TO READ CLIMB HEADING 058.47 TO 1800 BEFORE PROCEEDING ON COURSE.
3. AMENDED RWY 18 TAKEOFF MINIMUMS FROM 600-3 WITH MINIMUM CLIMB OF 221 FT PER NM TO 1500 OR STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 1500 TO READ 600-3 WITH MINIMUM CLIMB OF 215 PER NM TO 1400 OR STANDARD WITH MINIMUM CLIMB OF 450 FT PER NM TO 1500.
4. AMENDED RWY 18 TEXTUAL DEPARTURE PROCEDURE FROM CLIMB HEADING 183 TO 2300 BEFORE PROCEEDING ON COURSE TO READ CLIMB HEADING 183.03 TO 2300 BEFORE PROCEEDING ON COURSE
5. AMENDED RWY 36 TAKEOFF MINIMUMS FROM 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 598 FT PER NM TO 1000 TO READ 300-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 1000.
6. UPDATED TAKEOFF OBSTACLE NOTES AND CONTROLLING OBSTACLES.

**REASONS:**

- 1-5. NEW CONTROLLING OBSTACLES.
6. IAW 8260.46D APP. D.

- 08/03/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 05/01/2012
1. CORRECTED RWY 24 TAKEOFF MINS FROM STANDARD TO READ STANDARD WITH MINIMUM CLIMB OF 271 FT PER NM TO 1400.
  2. CORRECTED RWY 24 TEXTUAL DEPARTURE PROCEDURE FROM HEADING 253.48 TO 2200 TO READ 238.48 TO 2300.

QUALITY  
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CHECKED