U.S. DEPARTMENT of TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION

# GRAPHIC DEPARTURE PROCEDURE (DP)

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 statue miles or feet RVR unless otherwise indicated. Graphic depictions attached.

| DP Name | Number | DP Computer Code | Superseded Number | Dated | Effective Date |
|---|---|---|---|---|---|
| BIRMINGHAM | FIVE | BHM5.BHM | FOUR | 09 FEB 12 | |

**TYPE:** SID

**DP ROUTE DESCRIPTION:**

**TAKEOFF RWY 6:** CLIMB HEADING 058.47 TO 1500, THENCE...
**TAKEOFF RWY 18:** CLIMB HEADING 183.03 TO 2300, THENCE...
**TAKEOFF RWY 24:** CLIMB HEADING 238.48 TO 2300, THENCE...
**TAKEOFF RWY 36:** CLIMB HEADING 003.03 TO 1400, THENCE...
...EXPECT VECTORS TO FILED ROUTE. MAINTAIN 4000 OR ASSIGNED LOWER ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE TEN MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

| Transition Name | Transition Computer Codes | From FIX/NAVAID | To FIX/NAVAID | Course | Distance | MEA | MOCA | Crossing Altitudes/Fixes |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| | | | | | | | | |

**PROCEDURAL DATA NOTES/TAKEOFF MINIMUMS:**

**NOTE:** RADAR REQUIRED.
**TAKEOFF MINIMUMS:**
**RWY 6,** 300-1 ¾ 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 MINUMUM CLIMB OF 450 FT PER NM TO 1500.
**RWY 24,** STANDARD WITH MINIMUM CLIMB OF 271 FT PER NM TO 1400.
**RWY 36,** 300-2 ¼ OR STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 1000.

**TAKEOFF OBSTACLES 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

QUALITY CHECKED

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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 BUILDING 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:**

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

**AIRPORTS SERVED:**

BIRMINGHAM-SHUTTLESWORTH INTL — BIRMINGHAM, AL

**COMMUNICATIONS:**

ATIS, CLEARANCE DEL, GROUND CONTROL, TOWER, DEP CONTROL 050 – 230, DEP CONTROL 231 – 049.

**FIXES AND/OR NAVAIDS:**

ATL VORTAC, BNA VORTAC, DCU VOR/DME, GAD VOR/DME, GQO VORTAC, HAB VORTAC, IGB VORTAC, LDK VORTAC, LGC VORTAC, MEI VORTAC, MEM VORTAC, MGM VORTAC, MSL VORTAC, OKW VORTAC, RMG VORTAC, RQZ VORTAC, SJI VORTAC, TGE VOR/DME, VUZ VORTAC.

QUALITY CHECKED

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**REMARKS:**

VCOA NOT ESTABLISHED PER ATC REQUEST.

**FLIGHT INSPECTED BY:**

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**DEVELOPED BY:**

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

**APPROVED BY:**

DARRYEL ADAMS AJV-352

**COORDINATED WITH:**

ATA, ALPA, APA, AOPA, NBAA, ZTL, BHM APP CON, BHM ATCT, ARPT MGR, HQ ANG/XOBR

**CHANGES:**

1. AMENDED RWY 6 DP ROUTE DESCRIPTION FROM CLIMB HEADING 058.45 TO READ CLIMB HEADING 058.47 TO 1500.
2. 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 ¾ WITH MINIMUM CLIMB OF 279 FT PER NM TO 1800 OR STANDARD WITH MINIMUM CLIMB OF 421 FT PER NM TO 1300.
3. AMENDED RWY 18 DP ROUTE DESCRIPTION FROM CLIMB HEADING 183.03 TO READ CLIMB HEADING 183.03 TO 2300.
4. 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 MINUMUM CLIMB OF 450 FT PER NM TO 1500.
5. AMENDED RWY 24 DP ROUTE DESCRIPTION FROM CLIMB HEADING 238.47 TO READ CLIMB HEADING 238.48 TO 2300.
6. 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 ¼ OR STANDARD WITH MINIMUM CLIMB OF 420 FT PER NM TO 1000.
7. AMENDED RWY 36 DP ROUTE DESCRIPTION FROM CLIMB HEADING 003.03 TO 003.03 TO 1400.
8. UPDATED RWY TAKEOFF OBSTACLE NOTES AND CONTROLLING OBSTACLES.

**REASONS:**

1. NEW AIRPORT DATA/NEW OBSTACLE STUDY.
2. NEW OBSTACLE STUDY.
3. NEW OBSTACLE STUDY.
4. NEW OBSTACLE STUDY.
5. NEW AIRPORT DATA/NEW OBSTACLE STUDY.
6. NEW OBSTACLE STUDY.
7. NEW OBSTACLE STUDY.
8. IAW 8260.46D APP. D.

QUALITY CHECKED