

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)  
TITLE 14 CFR PART 97.37**

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

<b>CITY, STATE</b>	<b>AIRPORT</b>	<b>EFFECTIVE DATE</b>	<b>AMDT NO</b>
HARRISBURG, PA	HARRISBURG INTL	15 SEPTEMBER 2016	8A

**TAKEOFF MINIMUMS:**

RWY 13, 300-2 1/4 OR STANDARD WITH MINIMUM CLIMB OT 260 FT PER NM TO 700.  
RWY 31, STANDARD.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 13: CLIMB HEADING 127.77 TO 1700 BEFORE PROCEEDING ON COURSE.  
RWY 31: CLIMB HEADING 307.78 TO 1900 BEFORE PROCEEDING ON COURSE.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 13, GRD 1 FT FROM DER, 356 FT LEFT OF CENTERLINE, 310 FT MSL.  
SECONDARY RD, FENCE, VERTICAL STRUCTURE, BUSH, BEGINNING 25 FT FROM DER, 474 FT LEFT OF CENTERLINE, UP TO 325 FT MSL.  
TREE 1500 FT FROM DER, 811 FT LEFT OF CENTERLINE, 74 FT AGL/368 FT MSL.  
TREES BEGINNING 1571 FT FROM DER, 279 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/370 FT MSL.  
TREES BEGINNING 1666 FT FROM DER, 388 FT LEFT OF CENTERLINE, UP TO 85 FT AGL/375 FT MSL.  
TREE 1796 FT FROM DER, 536 FT LEFT OF CENTERLINE, 79 FT AGL/380 FT MSL.  
TREES BEGINNING 1846 FT FROM DER, 394 FT LEFT OF CENTERLINE, UP TO 111 FT AGL/399 FT MSL.  
TREE 3164 FT FROM DER, 1301 FT RIGHT OF CENTERLINE, 118 FT AGL/399 FT MSL.  
TREES BEGINNING 1.3 NM FROM DER, 135 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/523 FT MSL.  
TREES BEGINNING 1.3 NM FROM DER, 436 FT LEFT OF CENTERLINE, UP TO 529 FT MSL.  
TREE 1.3 NM FROM DER, 335 FT RIGHT OF CENTERLINE, 93 FT AGL/518 FT MSL.  
TREES BEGINNING 1.3 NM FROM DER, 333 FT RIGHT OF CENTERLINE, UP TO 519 FT MSL.  
TREE, BUSH, BEGINNING 1.3 NM FROM DER, 6 FT LEFT OF CENTERLINE, UP TO 76 FT AGL/548 FT MSL.  
BUSH BEGINNING 1.3 NM FROM DER, 15 FT RIGHT OF CENTERLINE, UP TO 525 FT MSL.  
TREE, BUSH, BEGINNING 1.3 NM FROM DER, 360 FT LEFT OF CENTERLINE, UP TO 78 FT AGL/551 FT MSL.  
TREES BEGINNING 1.3 NM FROM DER, 593 FT LEFT OF CENTERLINE, UP TO 59 FT AGL/559 FT MSL.  
POLE, BUSH, BEGINNING 1.3 NM FROM DER, 154 FT RIGHT OF CENTERLINE, UP TO 11 FT AGL/531 FT MSL.  
TREES BEGINNING 1.3 NM FROM DER, 764 FT LEFT OF CENTERLINE, UP TO 560 FT MSL.  
TREES BEGINNING 1.3 NM FROM DER, 56 FT LEFT OF CENTERLINE, UP TO 562 FT MSL.  
POLE, TREE, BEGINNING 1.3 NM FROM DER, 156 FT RIGHT OF CENTERLINE, UP TO 12 FT AGL/533 FT MSL.  
TREES BEGINNING 1.4 NM FROM DER, 114 FT RIGHT OF CENTERLINE, UP TO 551 FT MSL.  
TREES BEGINNING 1.4 NM FROM DER, 37 FT LEFT OF CENTERLINE, UP TO 563 FT MSL.  
TREES BEGINNING 1.4 NM FROM DER, 26 FT LEFT OF CENTERLINE, UP TO 567 FT MSL.  
TREES BEGINNING 1.4 NM FROM DER, 125 FT RIGHT OF CENTERLINE, UP TO 562 FT MSL.  
TREE, BUSH, SECONDARY RD, BEGINNING 1.4 NM FROM DER, 195 FT LEFT OF CENTERLINE, UP TO 571 FT MSL.  
TREES BEGINNING 1.4 NM FROM DER, 247 FT RIGHT OF CENTERLINE, UP TO 54 FT AGL/577 FT MSL.  
TREES BEGINNING 1.5 NM FROM DER, 198 FT LEFT OF CENTERLINE, UP TO 579 FT MSL.  
TREES BEGINNING 1.5 NM FROM DER, 23 FT LEFT OF CENTERLINE, UP TO 65 FT AGL/596 FT MSL.  
TREE, BLDG, BEGINNING 1.5 NM FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 585 FT MSL.  
TREE, TRMSN TWR, BEGINNING 1.5 NM FROM DER, 22 FT LEFT OF CENTERLINE, UP TO 603 FT MSL.  
TREE, POLE, GEN UTIL, BEGINNING 1.5 NM FROM DER, 8 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/594 FT MSL.  
T-L TWR 1.8 NM FROM DER, 3169 FT LEFT OF CENTERLINE, 148 FT AGL/598 FT MSL.  
NOTE: RWY 31, TREE 131 FT FROM DER, 356 FT LEFT OF CENTERLINE, 15 FT AGL/314 FT MSL.  
NAVAID 300 FT FROM DER, ON CENTERLINE, 9 FT AGL/319 FT MSL.  
BLDG 434 FT FROM DER, 259 FT RIGHT OF CENTERLINE, 10 FT AGL/321 FT MSL.  
BLDG 435 FT FROM DER, 247 FT RIGHT OF CENTERLINE, 15 FT AGL/325 FT MSL.  
POWER TRANSMISSION LINE 1194 FT FROM DER, 740 FT RIGHT OF CENTERLINE, 59 FT AGL/367 FT MSL.  
TRMSN TWR 1206 FT FROM DER, 740 FT RIGHT OF CENTERLINE, 60 FT AGL/368 FT MSL.  
TRMSN TWR, TREE, BEGINNING 1492 FT FROM DER, 732 FT RIGHT OF CENTERLINE, UP TO 62 FT AGL/370 FT MSL.  
TRMSN TWR, POLE, POWER TRANSMISSION LINE, TREE, BEGINNING 1779 FT FROM DER, 733 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/373 FT MSL.  
TREE 2721 FT FROM DER, 812 FT RIGHT OF CENTERLINE, 71 FT AGL/380 FT MSL.  
TREE 2821 FT FROM DER, 1215 FT RIGHT OF CENTERLINE, 83 FT AGL/385 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 13: 603 FT MSL TREE 401032.66N/0764301.03W (CLIMB GRADIENT)(CLIMB-TO ALTITUDE)(CEILING), 598 FT MSL T-L TOWER 401051.85N/0764222.10W (VISIBILITY).  
OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 13: 1408 FT MSL TOWER 401016.00N/0763549.00W.  
RWY 31: 2033 FT MSL TOWER 402043.56N/0765207.55W.



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**REMARKS:**

**FLIGHT INSPECTED BY:**      *Digitally signed by*  
BOB S PRESSLER      **ADOLFO D URRUTIA**  
Jul 14, 2016

**OFFICE SYMBOL:**      **DATE:**  
FICO      07/06/2016

**DEVELOPED BY:**  
GEORGE H TRAMMELL      **GEORGE H TRAMMELL** Digitally signed by GEORGE H TRAMMELL  
DN: c=US, o=U.S. Government, ou=AMC, ou=AMC, cn=GEORGE H  
TRAMMELL  
Date: 2016.06.14 09:32:58 -0500

**OFFICE SYMBOL:**      **DATE:**  
AJV-5412      05/10/2016

**APPROVED BY:**      *Digitally signed by*  
MARLON J ROBINSON      **ADOLFO D URRUTIA**  
Jul 14, 2016

**OFFICE SYMBOL:**      **DATE:**  
AJV-5410

**REQUIRED EFFECTIVE DATE:**  
ROUTINE

**COORDINATED WITH:**

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**OTHER:**  
MDT APP CON, AMGR, MDT ATCT

**CHANGES - REASONS:**  
1. UPDATED OBSTACLE NOTES FOR NEW SURVEY USING OBSTACLE GROUPE.  
2. UPDATED CONTROLLING OBSTACLES WITH NEW FORMAT.

QUALITY  
3  
CHECKED