

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.
READING, PA	READING RGNL/CARL A. SPAATZ FIELD		5

REMARKS:

VCOA NOT DEVELOPED PER FPT.

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:

ZNY, ALPA, AOPA, NBAA, AMGR, APA, KR DG, ATCT.

CHANGES:

1. AMENDED RWY 13 TAKEOFF MINIMUMS FROM 1000-1 OR STANDARD WITH MINIMUM CLIMB OF 370 FT PER NM TO 1500 TO READ STANDARD WITH MINIMUM CLIMB OF 434 FT PER NM TO 1700.
2. AMENDED RWY 18 TEXTUAL DEPARTURE PROCEDURE FROM CLIMB RUNWAY HEADING TO 1400 FT BEFORE TURNING ON COURSE TO READ CLIMB HEADING 184.17 TO 1400 BEFORE TURNING LEFT.
3. AMENDED RWY 31 TAKEOFF MINIMUMS FROM 400-1 OR STANDARD WITH MINIMUM CLIMB OF 350 FT PER NM TO 800 TO READ 500 – 2 ½ OR STANDARD WITH MINIMUM CLIMB OF 413 FT PER NM TO 900.
4. AMENDED RWY 31 TEXTUAL DEPARTURE PROCEDURE FROM CLIMB RUNWAY HEADING TO 800 FT BEFORE TURNING ON COURSE TO READ CLIMB HEADING 313.28 TO 900 BEFORE TURNING RIGHT.
5. AMENDED RWY 36 TAKEOFF MINIMUMS FROM 400-1 OR STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 800 TO READ 400 – 2 OR STANDARD WITH MINIMUM CLIMB OF 351 FT PER NM TO 800.
6. AMENDED RWY 36 TEXTUAL DEPARTURE PROCEDURE FROM CLIMB RUNWAY HEADING TO 800 FT BEFORE TURNING ON COURSE TO READ CLIMB HEADING 004.18 TO 1100 BEFORE TURNING RIGHT.
7. UPDATED TAKEOFF OBSTACLE NOTES, CONTROLLING OBSTACLES, AND ODP OBSTACLES.

REASONS:

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



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TAKEOFF MINIMUMS:

RWY 18, STANDARD.

RWY 13, STANDARD WITH MINIMUM CLIMB OF 434 FT PER NM TO 1700.

RWY 31, 500 – 2 ½ OR STANDARD WITH MINIMUM CLIMB OF 413 FT PER NM TO 900.

RWY 36, 400 – 2 OR STANDARD WITH MINIMUM CLIMB OF 351 FT PER NM TO 800.

TEXTUAL DEPARTURE PROCEDURES:

RWY 18 – CLIMB HEADING 184.17 TO 1400 BEFORE TURNING LEFT.

RWY 31 – CLIMB HEADING 313.28 TO 900 BEFORE TURNING RIGHT.

RWY 36 – CLIMB HEADING 004.18 TO 1100 BEFORE TURNING RIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, BUILDING AND ANTENNA BEGINNING 67 FT FROM DER, 377 FT RIGHT OF CENTERLINE, UP TO 41 FT AGL/373 FT MSL. TREES BEGINNING 484 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 122 FT AGL/398 FT MSL.

NOTE: RWY 18, VERTICAL STRUCTURE, 61 FT FROM DER, 488 FT RIGHT OF CENTERLINE, UP TO 6 FT AGL/352 FT MSL. VEHICLES ON ROAD BEGINNING 112 FT FROM DER, 380 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/361 FT MSL. TREES BEGINNING 780 FT FROM DER, 406 FT LEFT OF CENTERLINE, UP TO 86 FT AGL/385 FT MSL.

NOTE: RWY 31, TREES BEGINNING 1318 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 67 FT AGL/776 FT MSL.

NOTE: RWY 36, TREES BEGINNING 103 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 87 FT AGL/410 FT MSL.

CONTROLLING OBSTACLES:

RWY 13: 1324 FT MSL TOWER 402117.00N/0755352.00W.

RWY 31: 702 FT MSL TREE 402354.20N/0755940.58W. 776 FT MSL TREE 402421.43N/0760035.80W. 672 FT MSL TREE 402415.08N/0760059.03W.

RWY 36: 450 FT MSL TREE 402341.86N/0755735.75W. 672 FT MSL TREE 402432.81N/0755831.37W. 545 FT MSL TREE 402437.46N/0755830.80W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT:

RWY 18 - 1310 FT MSL TOWER 401919.00N/0755340.00W.

RWY 31 - 759 FT MSL TREE 402436.32N/0760026.89W.

RWY 36 - 1259 FT MSL AAO 402519.50N-0755337.00W.

