

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.
NORFOLK, VA	HAMPTON ROADS EXECUTIVE	18 SEPTEMBER 2014	ORIG

TAKEOFF MINIMUMS:

RWY 2, 20, 28, STANDARD.

RWY 10, STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 600, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1500 FT PRIOR TO DEPARTURE END OF RUNWAY OR 1700-2 ½ FOR CLIMB IN VISUAL CONDITIONS.

TEXTUAL DEPARTURE PROCEDURES:

RWY 2- CLIMB HEADING 018.69 TO 1600 BEFORE TURNING WEST.

RWY 10 - CLIMB HEADING 102.40 TO 1000 BEFORE PROCEEDING ON COURSE OR FOR CLIMB IN VISUAL CONDITIONS CROSS HAMPTON ROADS EXECUTIVE AIRPORT AT OR ABOVE 1600 BEFORE PROCEEDING ON COURSE. WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE.

RWY 20- CLIMB HEADING 198.70 TO 900 BEFORE TURNING NORTH.

RWY 28- CLIMB HEADING 282.41 TO 1500 BEFORE TURNING NORTH.

TAKEOFF OBSTACLE NOTES:

NOTE RWY 2: VEHICLES ON ROADWAY BEGINNING 213 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/39 FT MSL. TREES BEGINNING 663 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 100 FT AGL/124 FT MSL.

NOTE RWY 10: AIRCRAFT ON TAXIWAY BEGINNING 9 FT FROM DER, 390 FT RIGHT OF CENTERLINE, UP TO 26 FT AGL/49 FT MSL. BUSHES BEGINNING 30 FT FROM DER, 156 FT RIGHT OF CENTERLINE, UP TO 5 FT AGL/26 FT MSL. BUSHES BEGINNING 96 FT FROM DER, 486 FT LEFT OF CENTERLINE, UP TO 12 FT AGL/33 FT MSL. TREES BEGINNING 2086 FT FROM DER, 19 FT LEFT OF CENTERLINE, UP TO 103 FT AGL/124 FT MSL. TREES BEGINNING 2103 FT FROM DER, 13 FT RIGHT OF CENTERLINE, UP TO 113 FT AGL/134 FT MSL.

NOTE RWY 20: AIRCRAFT ON TAXIWAY AND BUILDINGS BEGINNING 11 FT FROM DER, 144 FT RIGHT OF CENTERLINE, UP TO 40 FT AGL/50 FT MSL. VEHICLES ON ROADWAY BEGINNING 97 FT FROM DER, 14 FT LEFT OF CENTERLINE, UP TO 23 FT AGL/47 FT MSL. TRAINS ON RAILROAD TRACKS AND TREES BEGINNING 333 FT FROM DER, 571 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/124 FT MSL. TRAINS ON RAILROAD TRACKS AND TREES BEGINNING 796 FT FROM DER, 90 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/124 FT MSL.

NOTE RWY 28: TREES BEGINNING 2267 FT FROM DER, 1071 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/121 FT MSL. TREES BEGINNING 3793 FT FROM DER, 408 FT LEFT OF CENTERLINE, UP TO 113 FT AGL/134 FT MSL.

CONTROLLING OBSTACLES:

RWY 10: 461 FT MSL TOWER 364632.80N/0762309.60W.

RWY 10 (VCOA): 1282 FT MSL TOWER 364831.78N/0763011.30W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 2, 10, 20 - 1249 FT MSL ANTENNA 364859.88N/0762806.85W. RWY 28 - 1282 FT MSL TOWER 364831.78N/0763011.30W.

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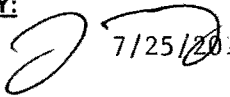
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REMARKS:

RUNWAY HAS BEEN RELOCATED APPROXIMATELY 500 FT NORTH OF OLD RUNWAY. THE OLD RUNWAY IS TO BECOME A TAXIWAY.
AVERAGE VEGETATION ASSUMED TO BE 100 FT PER FPT.

FLIGHT INSPECTED BY:

Bob S Pressler  7/25/2014

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JACOB POWERS 
(JOHN LINDSEY) AJV-352

01-31-2014

APPROVED BY:

SUE CRUMB  AJV-352

AUG 05 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZDC, ORF APP CON, AMGR

CHANGES:

1. CHANGED RWY 10 CLIMB GRADIENT FROM 217 TO 210, LOWERED THE CLIMB GRADIENT TERMINATION ALTITUDE FROM 700 TO 600 AND LOWERED THE TAKEOFF RUNWAY REDUCTION OPTION FROM 2100 TO 1500.
2. CHANGED RWY 10 CLIMB TO ALTITUDE FROM 900 TO 1000.
3. ADDED "WHEN EXECUTING VCOA, NOTIFY ATC PRIOR TO DEPARTURE" TO RWY 10 DEPARTURE INSTRUCTIONS.
4. UPDATED TAKEOFF OBSTACLE NOTES.
5. UPDATED CONTROLLING OBSTACLES AND ADDED OBSTACLES MANDATING OPD ROUTE DEVELOPMENT.

REASONS:

- 1-2. NEW VG OBSTACLE SURVEY DATA AVAILABLE DUE TO RUNWAY RELOCATION.
3. IAW 8260.46D APPENDIX D PARA A (7).
- 4-5. IAW 8260.46D APPENDIX D PARA 9.