

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.
ORR, MN	ORR RGNL	31 MAY 2012	2

TAKEOFF MINIMUMS:

RWY 31 STANDARD

RWY 13: 300 – 1 ½ OR STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 1600.

TEXTUAL DEPARTURE PROCEDURES:

RWY 13: CLIMB HEADING 136.14 TO 1900 BEFORE TURNING RIGHT.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13, TREES BEGINNING 630 FT FROM DER, 476 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1389 FT MSL. TREES BEGINNING 759 FT FROM DER, 361 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1459 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 1343 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1499 FT MSL.

NOTE: RWY 31, TREES BEGINNING 366 FT FROM DER, 162 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/1429 FT MSL. TREES BEGINNING 867 FT FROM DER, 719 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1429 FT MSL. TREES BEGINNING 5401 FT FROM DER, 148 FT RIGHT OF CENTERLINE, UP TO 80 FT AGL/1449 FT MSL.

CONTROLLING OBSTACLES:

RWY 13: 1499 FT MSL TREE 475937.99N-0925003.49W, 1499 FT MSL TREE 475949.90N-0925018.30W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 13 - 1760 FT MSL TOWER 475841.00N-0924945.00W.

QUALITY
CHECKED