# U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

## TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

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.

#### (1) TAKEOFF MINIMUMS:

RWY 10, 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 237 FEET PER NM TO 1500.

RWY 28, 300-1 OR STANDARD WITH A MINIMUM CLIMB OF 463 FEET PER NM TO 1300.

#### (2) TEXTUAL DEPARTURE PROCEDURE:

RWY 10 - CLIMB HEADING 098.44 TO 2000 BEFORE PROCEEDING ON COURSE.

RWY 28 - CLIMB HEADING 278.45 TO 1700 BEFORE TURNING RIGHT.

#### (3) TAKEOFF OBSTACLE NOTES:

NOTE: RWY 10, VEHICLE ON ROAD 200' FROM DER, ON CENTERLINE, 15' AGL/1104' MSL. HANGAR AND TREES BEGINNING 34' FROM DER, 203' RIGHT OF CENTERLINE, UP TO 100' AGL/1189' MSL. TREES AND TOWER BEGINNING 283' FROM DER, 322' LEFT OF CENTERLINE, UP TO 138' AGL/1332 MSL.

NOTE: RWY 28, TREES ON CENTERLINE, BEGINNING 3380' FROM DER, UP TO 100' AGL/1209' MSL. TREES BEGINNING AT DER, 222' RIGHT OF CENTERLINE, UP TO 100' AGL/1119' MSL. TREES BEGINNING AT DER, 191' LEFT OF CENTERLINE, UP TO 100' AGL/1119' MSL.

### (4) CONTROLLING OBSTACLES:

RWY 10: 1332 MSL TOWER 405759.82N/0803817.94W, 1672 MSL TOWER 405618.00N/0803524.00W, 2538 MSL TOWER 410324.00N/0803843.00W.

RWY 28: 2538 MSL TOWER 410324.00N/0803843.00W.

(5) City, State
YOUNGSTOWN, OH
YOUNGSTOWN ELSER METRO
(7) Effective Date
O1 JUL 2010
1