

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.
MIDDLETOWN, NY	RANDALL		3

TAKEOFF MINIMUMS:

RWY 8, STANDARD.

RWY 26, 300-2 OR STANDARD WITH A MINIMUM CLIMB OF 205 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1300 FT PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

RWY 26 – CLIMB HEADING 245.83 TO 1400 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, RISING TERRAIN BEGINNING ABEAM DER, 143 FT LEFT OF CENTERLINE, UP TO 536 FT MSL. TREES BEGINNING 46 FT FROM DER, 237 FT RIGHT OF CENTERLINE, UP TO 98 FT AGL/578 FT MSL. TREES BEGINNING 59 FT FROM DER, 412 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/639 FT MSL.

NOTE: RWY 26, TREES ABEAM DER, 155 FT LEFT OF CENTERLINE, UP TO 87 FT AGL/576 FT MSL. VEHICLES ON ROADWAY, 186 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/522 FT MSL. TREES BEGINNING 343 FT FROM DER, 569 FT RIGHT OF CENTERLINE, 95 FT AGL/596 FT MSL. POLE, 506 FT FROM DER, 141 FT RIGHT OF CENTERLINE, 41 FT AGL/543 FT MSL.

CONTROLLING OBSTACLES:

RWY 26: 759 FT MSL AAO, 412524.82N-0742555.40W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT

RWY 26: 1179 FT MSL AAO, 412505.95N-0742836.85W; 1219 FT MSL AAO, 412548.13N-0742743.60W.

QUALITY
CHECKED

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REMARKS:

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

DONALD SMITH
(MIKE MELSSSEN)

AJV-352

12/27/11

APPROVED BY:

DARRYEL ADAMS

AJV-352

COORDINATED WITH:

ALPA, AOPA, NBAA, EST FPO, ZNY, NY TRACON, AMGR

CHANGES:

1. **TEXTUAL DEPARTURE PROCEDURES, RWY 26 – UPDATED TEXTUAL DEPARTURE PROCEDURE, FROM “CLIMB RWY HDG TO 2400 BEFORE PROCEEDING ON COURSE” TO “CLIMB HEADING 245.83 TO 1400 BEFORE PROCEEDING ON COURSE”.**
2. **REVISED TAKEOFF AND CONTROLLING OBSTRUCTIONS.**
3. **ADDED NOTES FOR RWY 8.**
4. **UPDATED NOTES FOR RWY 26.**
5. **UPDATED TAKEOFF MINIMUMS: RWY 26 – FROM “700-2 OR STANDARD WITH MINIMUM CLIMB OF 260 FT PER NM TO 2400” TO “300-2 OR STANDARD WITH MINIMUM CLIMB OF 205 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1300 FT PRIOR TO DER.”**

REASONS:

1. **TO AVOID OBSTACLE PENETRATION.**
2. **REVISED OBSTACLE DATA.**
3. **OBSTACLES PENETRATE ICA (NOTES NOT PREVIOUSLY DEVELOPED).**
4. **REVISED OBSTACLE DATA.**
5. **NEW OBSTACLE EVALUATION.**

