

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)
TITLE 14 CFR PART 97.37**

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.

CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
WATERTOWN, NY	WATERTOWN INTL	19 JULY 2018	3

TAKEOFF MINIMUMS:
RWY 25, 28: STANDARD.

RWY 7: 300-1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 600.

RWY 10: 300-1 1/2 WITH MINIMUM CLIMB OF 220 FT PER NM TO 3000, OR STANDARD WITH MINIMUM CLIMB OF 315 FT PER NM TO 600, OR 1000-2 1/2 WITH VCOA.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

RWY 10: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS WATERTOWN INTL AIRPORT AT OR ABOVE 1200 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 7: VEHICLE ON ROAD 539 FT FROM DER, 532 FT LEFT OF CENTERLINE, 341 FT MSL. TREES BEGINNING 787 FT FROM DER, 493 FT RIGHT OF CENTERLINE, UP TO 55 FT AGL/378 FT MSL. TREE 817 FT FROM DER, 408 FT LEFT OF CENTERLINE, 43 FT AGL/363 FT MSL. TREES BEGINNING 886 FT FROM DER, 478 FT LEFT OF CENTERLINE, UP TO 63 FT AGL/380 FT MSL. TREE 1024 FT FROM DER, 665 FT RIGHT OF CENTERLINE, 63 FT AGL/386 FT MSL. TREES BEGINNING 1092 FT FROM DER, 96 FT RIGHT OF CENTERLINE, UP TO 387 FT MSL. TREE 2506 FT FROM DER, 248 FT RIGHT OF CENTERLINE, 81 FT AGL/399 FT MSL. TREES BEGINNING 4386 FT FROM DER, 699 FT LEFT OF CENTERLINE, 100 FT AGL/479 FT MSL. TREES BEGINNING 5223 FT FROM DER, 262 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/499 FT MSL. TREES BEGINNING 1 NM FROM DER, 260 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/509 FT MSL. TREE 1.1 NM FROM DER, 208 FT LEFT OF CENTERLINE, 100 FT AGL/519 FT MSL. TREE 1.3 NM FROM DER, 680 FT LEFT OF CENTERLINE, 100 FT AGL/559 FT MSL.

NOTE: RWY 10: VEHICLE ON ROAD 211 FT FROM DER, 526 FT LEFT OF CENTERLINE, 345 FT MSL. TREES BEGINNING 380 FT FROM DER, 563 FT LEFT OF CENTERLINE, UP TO 363 FT MSL. TREES BEGINNING 495 FT FROM DER, 396 FT RIGHT OF CENTERLINE, UP TO 60 FT AGL/388 FT MSL. TREE 1239 FT FROM DER, 671 FT LEFT OF CENTERLINE, 367 FT MSL. TREE 1250 FT FROM DER, 789 FT LEFT OF CENTERLINE, 371 FT MSL. TREES BEGINNING 1410 FT FROM DER, 733 FT LEFT OF CENTERLINE, UP TO 392 FT MSL. TREES BEGINNING 2011 FT FROM DER, 811 FT RIGHT OF CENTERLINE, UP TO 389 FT MSL. TREES BEGINNING 2134 FT FROM DER, 913 FT RIGHT OF CENTERLINE, UP TO 394 FT MSL. TREES BEGINNING 2146 FT FROM DER, 797 FT RIGHT OF CENTERLINE, UP TO 403 FT MSL. TREES BEGINNING 2439 FT FROM DER, 839 FT RIGHT OF CENTERLINE, UP TO 404 FT MSL. TREE 2515 FT FROM DER, 905 FT RIGHT OF CENTERLINE, 407 FT MSL. TREE 2553 FT FROM DER, 1150 FT RIGHT OF CENTERLINE, 409 FT MSL. TREE 2568 FT FROM DER, 996 FT RIGHT OF CENTERLINE, 412 FT MSL. TREES BEGINNING 2652 FT FROM DER, 541 FT RIGHT OF CENTERLINE, UP TO 414 FT MSL. TREES BEGINNING 2826 FT FROM DER, 635 FT RIGHT OF CENTERLINE, UP TO 416 FT MSL. TREES BEGINNING 2973 FT FROM DER, 317 FT RIGHT OF CENTERLINE, UP TO 425 FT MSL. TREE 2991 FT FROM DER, 256 FT LEFT OF CENTERLINE, 72 FT AGL/407 FT MSL. TREE 3034 FT FROM DER, 620 FT LEFT OF CENTERLINE, 410 FT MSL. TREE 3051 FT FROM DER, 932 FT LEFT OF CENTERLINE, 419 FT MSL. TREE 3982 FT FROM DER, 1388 FT RIGHT OF CENTERLINE, 438 FT MSL. TREE 4022 FT FROM DER, 1564 FT RIGHT OF CENTERLINE, 482 FT MSL. TREES BEGINNING 4141 FT FROM DER, 960 FT RIGHT OF CENTERLINE, UP TO 487 FT MSL. TREES BEGINNING 4480 FT FROM DER, 877 FT RIGHT OF CENTERLINE, UP TO 491 FT MSL. TREES BEGINNING 4779 FT FROM DER, 966 FT RIGHT OF CENTERLINE, UP TO 496 FT MSL. TREE 4860 FT FROM DER, 1676 FT RIGHT OF CENTERLINE, 513 FT MSL. TREES BEGINNING 4871 FT FROM DER, 863 FT RIGHT OF CENTERLINE, UP TO 515 FT MSL. TREES BEGINNING 4966 FT FROM DER, 724 FT RIGHT OF CENTERLINE, UP TO 65 FT AGL/520 FT MSL. TREES AND POLES BEGINNING 5048 FT FROM DER, 574 FT RIGHT OF CENTERLINE, UP TO 72 FT AGL/529 FT MSL.

NOTE: RWY 28: TREE 919 FT FROM DER, 356 FT RIGHT OF CENTERLINE, 42 FT AGL/341 FT MSL. TREE 1582 FT FROM DER, 786 FT LEFT OF CENTERLINE, 66 FT AGL/359 FT MSL. TREE 1592 FT FROM DER, 331 FT LEFT OF CENTERLINE, 66 FT AGL/360 FT MSL. TREE 1863 FT FROM DER, 988 FT LEFT OF CENTERLINE, 75 FT AGL/370 FT MSL. TREES BEGINNING 2572 FT FROM DER, 871 FT LEFT OF CENTERLINE, UP TO 381 FT MSL. TREES BEGINNING 2704 FT FROM DER, 622 FT LEFT OF CENTERLINE, UP TO 102 FT AGL/390 FT MSL.

CONTROLLING OBSTACLES:

RWY 7: 479 FT MSL TREE 440018.51N/0760007.83W (CLIMB GRADIENT/CLIMB-TO ALTITUDE), 559 FT MSL TREE 440038.89N/0755928.88W (CEILING/VISIBILITY)

RWY 10: 529 FT MSL TREE 435908.76N/0755906.98W (CLIMB GRADIENT/CLIMB-TO ALTITUDE/CEILING), 513 FT MSL TREE 435911.37N/0755836.26W (VISIBILITY), 2495 FT MSL TOWER 435247.24N/0754309.69W (CLIMB GRADIENT/CLIMB-TO ALTITUDE).

RWY 10 (VCOA): 2495 FT MSL TOWER 435247.24N/0754309.69W (VCOA DIVERSE AREA), 665 FT MSL ANTENNA 435903.63N/0755652.23W (VCA)

REMARKS:

RWY 10 CEILING AND VISIBILITY CLIMB GRADIENT BUILT WITH A BUFFER TO PROTECT FOR NEW CONTROLLING OBSTACLES.

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WATERTOWN, NY	WATERTOWN INTL	19 JULY 2018	3

FLIGHT INSPECTED BY: DURLEY J FELDER	<i>Digitally signed by</i> ADOLFO D URRUTIA May 10, 2018	OFFICE SYMBOL: FICO	DATE: 05/08/2018
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DEVELOPED BY: ADOLFO URRUTIA (CHRISTINE BAYSE)	<i>Digitally signed by</i> ADOLFO D URRUTIA May 10, 2018	OFFICE SYMBOL: AJV-5432	DATE: 01/24/2018
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APPROVED BY: PATRICK MULQUEEN	<i>Digitally signed by</i> ADOLFO D URRUTIA May 10, 2018	OFFICE SYMBOL: AJV-5430	DATE:
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REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

A4A	ALPA	AOPA	APA	HAI	NBAA
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER:
EASTERN FPT, WHEELER-SACK APP CON, ZBW ARTCC, AMGR.

CHANGES - REASONS:

1. UPDATED RWY 7 TAKEOFF MINIMUMS FROM "300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 240 FT PER NM TO 600, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM TO CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2000 FT PRIOR TO DER" TO "300-1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 600."- NEW CONTROLLING OBSTACLES.
2. UPDATED RWY 10 TAKEOFF MINIMUMS FROM "300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 600" TO "300-1 1/2 WITH MINIMUM CLIMB OF 220 FT PER NM TO 3000, OR STANDARD WITH MINIMUM CLIMB OF 315 FT PER NM TO 600, OR 1000-2 1/2 WITH VCOA".- NEW CONTROLLING OBSTACLES.
3. ADDED VCOA FOR RWY 10 IN VISUAL CLIMB OVER AIRPORT. - 8260.46F 2-1-1.
4. UPDATED TAKEOFF OBSTACLE NOTES.- NEW OBSTACLES.
5. UPDATED CONTROLLING OBSTACLES FOR RWY 7 AND 10. - NEW OBSTACLES.

