

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

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<u>CITY, STATE</u>	<u>AIRPORT</u>	<u>EFFECTIVE DATE</u>	<u>AMDT NO</u>
MONTGOMERY, NY	ORANGE COUNTY	3 JANUARY 2019	3

**TAKEOFF MINIMUMS:**

RWY 4: STANDARD.

RWY 8: 300-1 OR STANDARD WITH MINIMUM CLIMB OF 335 FT PER NM TO 700.

RWY 22: 300-1 1/8 OR STANDARD WITH MINIMUM CLIMB OF 290 FT PER NM TO 600.

RWY 26: 500-3 WITH MINIMUM CLIMB OF 220 FT PER NM TO 1300 OR STANDARD WITH MINIMUM CLIMB OF 380 FT PER NM TO 900 OR 1500-3 FOR VCOA.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 4: CLIMB ON HEADING 036.23 TO 2100 BEFORE PROCEEDING ON COURSE.

RWY 8: CLIMB ON HEADING 080.22 TO 1100 BEFORE TURNING LEFT.

RWY 22: CLIMB ON HEADING 216.24 TO 1000 BEFORE PROCEEDING ON COURSE.

RWY 26: CLIMB ON HEADING 260.23 TO 1000 BEFORE TURNING RIGHT.

**VISUAL CLIMB OVER AIRPORT:**

RWY 26: OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS ORANGE COUNTY AIRPORT AT OR ABOVE 1700 BEFORE PROCEEDING ON COURSE.

**TAKEOFF OBSTACLE NOTES:**

**NOTE: RWY 4:** TERRAIN 23 FT FROM DER, 304 FT LEFT OF CENTERLINE, 371 FT MSL.

TERRAIN 24 FT FROM DER, 184 FT LEFT OF CENTERLINE, 373 FT MSL.

TREES, TERRAIN, VEHICLES ON ROAD, VEGETATION BEGINNING 32 FT FROM DER, 21 FT RIGHT OF CENTERLINE, UP TO 410 FT MSL.

TREES, VEHICLES ON ROAD BEGINNING 88 FT FROM DER, 39 FT LEFT OF CENTERLINE, UP TO 404 FT MSL.

TREE 699 FT FROM DER, 575 FT LEFT OF CENTERLINE, 405 FT MSL.

TREES BEGINNING 782 FT FROM DER, 490 FT LEFT OF CENTERLINE, UP TO 417 FT MSL.

TREE 1004 FT FROM DER, 689 FT RIGHT OF CENTERLINE, 430 FT MSL.

TREE 1046 FT FROM DER, 728 FT LEFT OF CENTERLINE, 439 FT MSL.

TREES BEGINNING 1113 FT FROM DER, 545 FT RIGHT OF CENTERLINE, UP TO 436 FT MSL.

TREES BEGINNING 1171 FT FROM DER, 19 FT LEFT OF CENTERLINE, UP TO 101 FT AGL/442 FT MSL.

TREE 1394 FT FROM DER, 454 FT RIGHT OF CENTERLINE, 438 FT MSL.

TREES BEGINNING 1471 FT FROM DER, 104 FT RIGHT OF CENTERLINE, UP TO 440 FT MSL.

TREES BEGINNING 1519 FT FROM DER, 71 FT RIGHT OF CENTERLINE, UP TO 445 FT MSL.

TREES BEGINNING 1720 FT FROM DER, 28 FT RIGHT OF CENTERLINE, UP TO 446 FT MSL.

TREE 2528 FT FROM DER, 101 FT LEFT OF CENTERLINE, 446 FT MSL.

TREE 4340 FT FROM DER, 904 FT RIGHT OF CENTERLINE, 482 FT MSL.

**NOTE: RWY 8:** TREE 258 FT FROM DER, 316 FT RIGHT OF CENTERLINE, 71 FT AGL/451 FT MSL.

TREE 345 FT FROM DER, 373 FT RIGHT OF CENTERLINE, 76 FT AGL/455 FT MSL.

TREES BEGINNING 389 FT FROM DER, 500 FT RIGHT OF CENTERLINE, UP TO 95 FT AGL/475 FT MSL.

BUILDING 828 FT FROM DER, 411 FT LEFT OF CENTERLINE, 32 FT AGL/411 FT MSL.

TREE 967 FT FROM DER, 724 FT LEFT OF CENTERLINE, 95 FT AGL/479 FT MSL.

TREES, BUILDING, POLE BEGINNING 1002 FT FROM DER, 331 FT LEFT OF CENTERLINE, UP TO 480 FT MSL.

TREES BEGINNING 4721 FT FROM DER, 298 FT LEFT OF CENTERLINE, UP TO 525 FT MSL.

TREE 4727 FT FROM DER, 1437 FT RIGHT OF CENTERLINE, 560 FT MSL.

**NOTE: RWY 22:** TREES, TOWER, NAVAID, WIND INDICATOR BEGINNING 65 FT FROM DER, 35 FT RIGHT OF CENTERLINE, UP TO 408 FT MSL.

TREES BEGINNING 356 FT FROM DER, 299 FT RIGHT OF CENTERLINE, UP TO 422 FT MSL.

TREES BEGINNING 898 FT FROM DER, 434 FT RIGHT OF CENTERLINE, UP TO 433 FT MSL.

TREE 1542 FT FROM DER, 876 FT LEFT OF CENTERLINE, 401 FT MSL.

TREE 1745 FT FROM DER, 852 FT LEFT OF CENTERLINE, 404 FT MSL.

TREE 1866 FT FROM DER, 968 FT LEFT OF CENTERLINE, 419 FT MSL.

TREE 2302 FT FROM DER, 932 FT LEFT OF CENTERLINE, 421 FT MSL.

TREES BEGINNING 2393 FT FROM DER, 915 FT LEFT OF CENTERLINE, UP TO 438 FT MSL.

TREES BEGINNING 2517 FT FROM DER, 684 FT RIGHT OF CENTERLINE, UP TO 436 FT MSL.

TREES BEGINNING 3121 FT FROM DER, 1096 FT RIGHT OF CENTERLINE, UP TO 438 FT MSL.

TREE 3335 FT FROM DER, 722 FT RIGHT OF CENTERLINE, 77 FT AGL/448 FT MSL.

TREE 3349 FT FROM DER, 747 FT RIGHT OF CENTERLINE, 453 FT MSL.

TREES BEGINNING 3410 FT FROM DER, 567 FT RIGHT OF CENTERLINE, UP TO 76 FT AGL/454 FT MSL.

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TREES BEGINNING 3452 FT FROM DER, 295 FT RIGHT OF CENTERLINE, UP TO 81 FT AGL/460 FT MSL.

TREE 3509 FT FROM DER, 712 FT RIGHT OF CENTERLINE, 461 FT MSL.

TREES BEGINNING 3514 FT FROM DER, 94 FT RIGHT OF CENTERLINE, UP TO 469 FT MSL.

TREES BEGINNING 4175 FT FROM DER, 417 FT RIGHT OF CENTERLINE, UP TO 476 FT MSL.

TREES BEGINNING 4334 FT FROM DER, 990 FT RIGHT OF CENTERLINE, UP TO 491 FT MSL.

TREES BEGINNING 4461 FT FROM DER, 1063 FT RIGHT OF CENTERLINE, UP TO 503 FT MSL.

TREES BEGINNING 4832 FT FROM DER, 1069 FT RIGHT OF CENTERLINE, UP TO 528 FT MSL.

**NOTE: RWY 26, TERRAIN 20 FT FROM DER, 485 FT RIGHT OF CENTERLINE, 354 FT MSL.**

WIND INDICATOR 26 FT FROM DER, 405 FT RIGHT OF CENTERLINE, 370 FT MSL.

TREES BEGINNING 322 FT FROM DER, 274 FT RIGHT OF CENTERLINE, UP TO 403 FT MSL.

TREES BEGINNING 642 FT FROM DER, 399 FT RIGHT OF CENTERLINE, UP TO 418 FT MSL.

TREES BEGINNING 734 FT FROM DER, 244 FT RIGHT OF CENTERLINE, UP TO 420 FT MSL.

TREES BEGINNING 912 FT FROM DER, 439 FT RIGHT OF CENTERLINE, UP TO 433 FT MSL.

TREES BEGINNING 1100 FT FROM DER, 399 FT RIGHT OF CENTERLINE, UP TO 443 FT MSL.

TREES BEGINNING 1224 FT FROM DER, 641 FT RIGHT OF CENTERLINE, UP TO 88 FT AGL/446 FT MSL.

TREE 1377 FT FROM DER, 659 FT RIGHT OF CENTERLINE, 447 FT MSL.

TREE 1378 FT FROM DER, 100 FT LEFT OF CENTERLINE, 403 FT MSL.

TREES BEGINNING 1389 FT FROM DER, 1 FT RIGHT OF CENTERLINE, UP TO 449 FT MSL.

TREES, TERRAIN BEGINNING 1521 FT FROM DER, 206 FT LEFT OF CENTERLINE, UP TO 418 FT MSL.

TREE 1684 FT FROM DER, 392 FT LEFT OF CENTERLINE, 428 FT MSL.

TREES, TERRAIN BEGINNING 1724 FT FROM DER, 125 FT LEFT OF CENTERLINE, UP TO 429 FT MSL.

TREES BEGINNING 1997 FT FROM DER, 142 FT LEFT OF CENTERLINE, UP TO 433 FT MSL.

TREES BEGINNING 2103 FT FROM DER, 101 FT LEFT OF CENTERLINE, UP TO 436 FT MSL.

TREE 2666 FT FROM DER, 1188 FT LEFT OF CENTERLINE, 77 FT AGL/448 FT MSL.

TREES BEGINNING 2694 FT FROM DER, 39 FT LEFT OF CENTERLINE, UP TO 453 FT MSL.

TREE 2955 FT FROM DER, 312 FT RIGHT OF CENTERLINE, 472 FT MSL.

TREES BEGINNING 2999 FT FROM DER, 608 FT RIGHT OF CENTERLINE, UP TO 478 FT MSL.

TREES BEGINNING 3367 FT FROM DER, 748 FT LEFT OF CENTERLINE, UP TO 456 FT MSL.

TREE 3464 FT FROM DER, 1164 FT LEFT OF CENTERLINE, 461 FT MSL.

TREES BEGINNING 3537 FT FROM DER, 1038 FT LEFT OF CENTERLINE, UP TO 469 FT MSL.

TREES BEGINNING 3671 FT FROM DER, 15 FT LEFT OF CENTERLINE, UP TO 476 FT MSL.

TREE 3946 FT FROM DER, 1155 FT LEFT OF CENTERLINE, 478 FT MSL.

TREE 4016 FT FROM DER, 1229 FT LEFT OF CENTERLINE, 491 FT MSL.

TREES BEGINNING 4028 FT FROM DER, 623 FT LEFT OF CENTERLINE, UP TO 497 FT MSL.

TREES BEGINNING 4123 FT FROM DER, 703 FT LEFT OF CENTERLINE, UP TO 525 FT MSL.

TREE 4188 FT FROM DER, 1072 FT RIGHT OF CENTERLINE, 514 FT MSL.

TREES BEGINNING 4247 FT FROM DER, 824 FT LEFT OF CENTERLINE, UP TO 541 FT MSL.

TREE 4248 FT FROM DER, 532 FT RIGHT OF CENTERLINE, 516 FT MSL.

TREES BEGINNING 4258 FT FROM DER, 588 FT LEFT OF CENTERLINE, UP TO 548 FT MSL.

TREE 4425 FT FROM DER, 930 FT LEFT OF CENTERLINE, 559 FT MSL.

TREES BEGINNING 4452 FT FROM DER, 1090 FT LEFT OF CENTERLINE, UP TO 561 FT MSL.

TREES, TERRAIN BEGINNING 4540 FT FROM DER, 368 FT LEFT OF CENTERLINE, UP TO 563 FT MSL.

TREE 4591 FT FROM DER, 899 FT RIGHT OF CENTERLINE, 533 FT MSL.

TREE 4681 FT FROM DER, 1324 FT RIGHT OF CENTERLINE, 553 FT MSL.

TREES BEGINNING 4754 FT FROM DER, 120 FT RIGHT OF CENTERLINE, UP TO 556 FT MSL.

TREE 1.7 NM FROM DER, 3090 FT RIGHT OF CENTERLINE, 651 FT MSL.

TREES BEGINNING 1.7 NM FROM DER, 765 FT LEFT OF CENTERLINE, UP TO 701 FT MSL.

TREE 1.8 NM FROM DER, 3467 FT RIGHT OF CENTERLINE, 708 FT MSL.

TREES BEGINNING 1.8 NM FROM DER, 1007 FT LEFT OF CENTERLINE, UP TO 731 FT MSL.

TREE 1.8 NM FROM DER, 2966 FT RIGHT OF CENTERLINE, 722 FT MSL.

TREES BEGINNING 1.9 NM FROM DER, 2473 FT RIGHT OF CENTERLINE, UP TO 725 FT MSL.

TREES BEGINNING 2.1 NM FROM DER, 2332 FT RIGHT OF CENTERLINE, UP TO 812 FT MSL.

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**CONTROLLING OBSTACLES:**

RWY 8: 560 FT MSL TREE 413042.92N/0741416.46W (CLIMB GRADIENT/CLIMB-TO ALTITUDE/VISIBILITY/CEILING).

RWY 22: 528 FT MSL TREE 412951.40N/0741651.11W. (CLIMB GRADIENT/CLIMB-TO ALTITUDE/CEILING), 518 FT MSL TREE 412947.87N/0741653.26W (VISIBILITY).

RWY 26: 1040 FT MSL AAO 412920.34N/0742129.14W (CLIMB GRADIENT/CLIMB-TO ALTITUDE), 839 FT MSL TREE 413007.04N/0741855.75W (CLIMB-TO ALTITUDE/CEILING), 791 FT MSL TREE 412953.01N/0741912.90W (VISIBILITY), 561 FT MSL TREE 412954.91N/0741652.78W (CLIMB GRADIENT).

RWY 26 (VCOA): 899 FT MSL AAO 413209.31N/0741603.06W, 2460 FT MSL AAO 414014.99N/0742120.91W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 4, 8, 22: 2460 FT MSL AAO 414014.99N/0742120.91W, RWY 26: 819 FT MSL TREE 413008.33N/0741855.10W

**REMARKS:**

RWYS 3/22 MODIFIED/RELOCATED TO RWYS 4/22.

**FLIGHT INSPECTED BY:**

PENDING

*Digitally signed by*  
**WARDELL HENNING**  
Nov 08, 2018

**OFFICE SYMBOL:**

**DATE:**

**DEVELOPED BY:**

LONNIE EVERHART  
(SCOTT LINDHOLM)

*Digitally signed by*  
**WARDELL HENNING**  
Nov 08, 2018

**OFFICE SYMBOL:**  
AJV-5400

**DATE:**

**APPROVED BY:**

LONNIE EVERHART

*Digitally signed by*  
**WARDELL HENNING**  
Nov 08, 2018

**OFFICE SYMBOL:**  
AJV-5400

**DATE:**

**REQUIRED EFFECTIVE DATE:**

1/3/2019

**COORDINATED WITH:**

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

**OTHER:**

EASTERN FPT, ANY, ZNY, NY TRACON, APT MGR, NYC FPO

**CHANGES - REASONS:**

1. CHANGED RWY 3 TAKEOFF MINIMUMS FROM 500-2 OR STANDARD WITH A MINIMUM OF CLIMB OF 440 FT PER NM TO 900 TO RWY 4: STANDARD - NEW EVALUATION/CONTROLLING OBSTACLE/RELOCATION OF RWY 3/21 TO RWY 4/22, 8260.46F, TABLE 2-1-1 AND NEW CRITERIA IN 8260.3D CHAPTER 14.
2. CHANGED RWY 8 TAKEOFF MINIMUMS FROM 300-1 OR STANDARD WITH MINIMUM CLIMB OF 230 FT PER NM TO 600 TO 300-1 OR STANDARD WITH MINIMUM CLIMB OF 335 FT PER NM TO 700 - NEW EVALUATION/CONTROLLING OBSTACLE/RELOCATION OF RWY 3/21 TO RWY 4/22, 8260.46F, TABLE 2-1-1 AND NEW CRITERIA IN 8260.3D CHAPTER 14.
3. CHANGED RWY 21 TAKEOFF MINIMUMS FROM 500-1 OR STANDARD WITH A MINIMUM CLIMB OF 210 FT PER NM TO 800 TO RWY 22: 300-1 1/8 OR STANDARD WITH MINIMUM CLIMB OF 290 FT PER NM TO 600 - NEW EVALUATION/CONTROLLING OBSTACLE/RELOCATION OF RWY 3/21 TO RWY 4/22, 8260.46F, TABLE 2-1-1 AND NEW CRITERIA IN 8260.3D CHAPTER 14.
4. CHANGED RWY 26 TAKEOFF MINIMUMS FROM 400-1 OR STANDARD WITH MINIMUM CLIMB OF 270 FT PER NM TO 900 TO 500-3 WITH MINIMUM CLIMB OF 220 FT PER NM TO 1300 OR STANDARD WITH MINIMUM CLIMB OF 380 FT PER NM TO 900 OR 1500-3 FOR VCOA - NEW EVALUATION/CONTROLLING OBSTACLE/RELOCATION OF RWY 3/21 TO RWY 4/22, 8260.46F, TABLE 2-1-1 AND NEW CRITERIA IN 8260.3D CHAPTER 14.
5. UPDATED ALL TAKEOFF OBSTACLE NOTES - NEW SURVEY.
6. RWY 3 TEXTUAL DEPARTURE PROCEDURES CHANGED FROM CLIMB RUNWAY HEADING TO 2100 BEFORE PROCEEDING ON COURSE TO RWY 4: CLIMB ON HEADING 036.23 TO 2100 BEFORE PROCEEDING ON COURSE - NEW EVALUATION/CONTROLLING OBSTACLE/RELOCATION OF RWY 3/21 TO RWY 4/22, 8260.46F, TABLE 2-1-1 AND NEW CRITERIA IN 8260.3D CHAPTER 14.
7. RWY 8 TEXTUAL DEPARTURE PROCEDURES CHANGED FROM CLIMB RUNWAY HEADING TO 1000 BEFORE PROCEEDING ON COURSE TO CLIMB ON HEADING 080.22 TO 1100 BEFORE TURNING LEFT - NEW EVALUATION/CONTROLLING OBSTACLE, 8260.46F, TABLE 2-1-1 AND NEW CRITERIA IN 8260.3D CHAPTER 14.
8. RWY 21 TEXTUAL DEPARTURE PROCEDURES CHANGED FROM CLIMB RUNWAY HEADING TO 1000 BEFORE PROCEEDING ON COURSE TO RWY 22: CLIMB ON HEADING 216.24 TO 1000 BEFORE PROCEEDING ON COURSE - NEW EVALUATION/CONTROLLING OBSTACLE/RELOCATION OF RWY 3/21 TO RWY 4/22, 8260.46F, TABLE 2-1-1 AND NEW CRITERIA IN 8260.3D CHAPTER 14.
9. RWY 26 TEXTUAL DEPARTURE PROCEDURES CHANGED FROM CLIMB RUNWAY HEADING TO 1000 BEFORE PROCEEDING ON COURSE TO

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CLIMB ON HEADING 260.23 TO 1000 BEFORE TURNING RIGHT - NEW EVALUATION/CONTROLLING OBSTACLE, 8260.46F, TABLE 2-1-1 AND NEW CRITERIA IN 8260.3D CHAPTER 14.

10. ADDED VCOA TO RWY 26 - ALLOW DEPARTURE WITHOUT CLIMB GRADIENT, 8260.46F, TABLE 2-1-1.

UPDATED CONTROLLING OBSTACLES - NEW EVALUATION.

