

**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.

<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
ALBANY INTL	KALB	ALBANY	NY	14	7 OCTOBER 2021

**TAKEOFF MINIMUMS:**

RWY 1, 19: STANDARD.  
RWY 10: 300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 378 FEET PER NM TO 1100.  
RWY 28: 300-1 7/8 OR STANDARD WITH MINIMUM CLIMB OF 524 FEET PER NM TO 600.

**TEXTUAL DEPARTURE PROCEDURES:**

RWY 10: CLIMB ON HEADING 110.00 TO 2000 BEFORE TURNING NORTH.  
RWY 19: CLIMB ON HEADING 191.17 TO 1400 BEFORE TURNING WEST.  
RWY 28: CLIMB ON HEADING 281.19 TO 2000 BEFORE PROCEEDING ON COURSE.

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 1, POLE 5 FT FROM DER, 5 FT RIGHT OF CENTERLINE, 26 FT AGL/281 FT MSL.  
BUILDING 1095 FT FROM DER, 574 FT RIGHT OF CENTERLINE, 34 FT AGL/314 FT MSL.  
TREE 1155 FT FROM DER, 694 FT RIGHT OF CENTERLINE, 332 FT MSL.  
TREES BEGINNING 1355 FT FROM DER, 770 FT RIGHT OF CENTERLINE, UP TO 343 FT MSL.  
TREES BEGINNING 1499 FT FROM DER, 148 FT RIGHT OF CENTERLINE, UP TO 348 FT MSL.  
CATENARY 1690 FT FROM DER, 929 FT LEFT OF CENTERLINE, 50 FT AGL/325 FT MSL.  
TREE 1884 FT FROM DER, 938 FT LEFT OF CENTERLINE, 335 FT MSL.  
TREES BEGINNING 2088 FT FROM DER, 897 FT LEFT OF CENTERLINE, UP TO 348 FT MSL.  
TREES BEGINNING 2324 FT FROM DER, 918 FT LEFT OF CENTERLINE, UP TO 102 FT AGL/362 FT MSL.  
TREE 2352 FT FROM DER, 883 FT RIGHT OF CENTERLINE, 351 FT MSL.  
TREE 2385 FT FROM DER, 1066 FT LEFT OF CENTERLINE, 364 FT MSL.  
TREE 2390 FT FROM DER, 881 FT RIGHT OF CENTERLINE, 113 FT AGL/354 FT MSL.  
TREES BEGINNING 2432 FT FROM DER, 581 FT LEFT OF CENTERLINE, UP TO 365 FT MSL.  
TREES BEGINNING 2500 FT FROM DER, 858 FT RIGHT OF CENTERLINE, UP TO 355 FT MSL.  
TREES BEGINNING 2703 FT FROM DER, 283 FT RIGHT OF CENTERLINE, UP TO 358 FT MSL.  
TREES BEGINNING 2733 FT FROM DER, 113 FT RIGHT OF CENTERLINE, UP TO 362 FT MSL.  
TREE 3023 FT FROM DER, 979 FT RIGHT OF CENTERLINE, 106 FT AGL/363 FT MSL.  
TREE 3080 FT FROM DER, 1076 FT RIGHT OF CENTERLINE, 366 FT MSL.

NOTE: RWY 10, POLE 5 FT FROM DER, 52 FT RIGHT OF CENTERLINE, 8 FT AGL/277 FT MSL.  
POLE 5 FT FROM DER, 51 FT LEFT OF CENTERLINE, 8 FT AGL/277 FT MSL.  
TREE 119 FT FROM DER, 423 FT RIGHT OF CENTERLINE, 297 FT MSL.  
TREES BEGINNING 282 FT FROM DER, 535 FT RIGHT OF CENTERLINE, UP TO 343 FT MSL.  
VEHICLE ON ROADWAY 303 FT FROM DER, 500 FT LEFT OF CENTERLINE, 290 FT MSL.  
TREE 358 FT FROM DER, 555 FT LEFT OF CENTERLINE, 345 FT MSL.  
TREE 422 FT FROM DER, 582 FT LEFT OF CENTERLINE, 346 FT MSL.  
TREES, POLE BEGINNING 459 FT FROM DER, 341 FT LEFT OF CENTERLINE, UP TO 92 FT AGL/352 FT MSL.  
TREES BEGINNING 491 FT FROM DER, 571 FT RIGHT OF CENTERLINE, UP TO 81 FT AGL/349 FT MSL.  
TREES BEGINNING 551 FT FROM DER, 130 FT RIGHT OF CENTERLINE, UP TO 351 FT MSL.  
TREES BEGINNING 909 FT FROM DER, 267 FT LEFT OF CENTERLINE, UP TO 354 FT MSL.  
TREES BEGINNING 1141 FT FROM DER, 13 FT RIGHT OF CENTERLINE, UP TO 354 FT MSL.  
TREES BEGINNING 1156 FT FROM DER, 244 FT LEFT OF CENTERLINE, UP TO 360 FT MSL.  
TREES BEGINNING 1235 FT FROM DER, 93 FT RIGHT OF CENTERLINE, UP TO 362 FT MSL.  
TREES, VEHICLE ON ROADWAY BEGINNING 1243 FT FROM DER, 13 FT LEFT OF CENTERLINE, UP TO 367 FT MSL.  
TREE 1269 FT FROM DER, 411 FT RIGHT OF CENTERLINE, 97 FT AGL/366 FT MSL.  
TREES BEGINNING 1286 FT FROM DER, 79 FT RIGHT OF CENTERLINE, UP TO 372 FT MSL.  
TREES BEGINNING 1570 FT FROM DER, 38 FT LEFT OF CENTERLINE, UP TO 391 FT MSL.  
TREES, POLES, BUILDING BEGINNING 1671 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 402 FT MSL.  
TREES BEGINNING 1705 FT FROM DER, 52 FT RIGHT OF CENTERLINE, UP TO 373 FT MSL.  
TREES BEGINNING 2334 FT FROM DER, 70 FT RIGHT OF CENTERLINE, UP TO 381 FT MSL.  
TREES BEGINNING 2473 FT FROM DER, 254 FT RIGHT OF CENTERLINE, UP TO 383 FT MSL.  
TREES BEGINNING 2537 FT FROM DER, 22 FT RIGHT OF CENTERLINE, UP TO 389 FT MSL.  
TREES BEGINNING 2697 FT FROM DER, 36 FT RIGHT OF CENTERLINE, UP TO 401 FT MSL.



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TREES BEGINNING 3089 FT FROM DER, 274 FT RIGHT OF CENTERLINE, UP TO 402 FT MSL.  
TREES BEGINNING 3446 FT FROM DER, 14 FT LEFT OF CENTERLINE, UP TO 408 FT MSL.  
TREES BEGINNING 3805 FT FROM DER, 67 FT RIGHT OF CENTERLINE, UP TO 404 FT MSL.  
TREE 3944 FT FROM DER, 276 FT RIGHT OF CENTERLINE, 408 FT MSL.  
TREES BEGINNING 3987 FT FROM DER, 155 FT RIGHT OF CENTERLINE, UP TO 415 FT MSL.  
TREES BEGINNING 4183 FT FROM DER, 106 FT RIGHT OF CENTERLINE, UP TO 417 FT MSL.  
TREES BEGINNING 4319 FT FROM DER, 221 FT LEFT OF CENTERLINE, UP TO 413 FT MSL.  
TREES BEGINNING 4326 FT FROM DER, 130 FT RIGHT OF CENTERLINE, UP TO 424 FT MSL.  
TREE 4594 FT FROM DER, 224 FT LEFT OF CENTERLINE, 424 FT MSL.  
TREE, POLE BEGINNING 4702 FT FROM DER, 95 FT LEFT OF CENTERLINE, UP TO 426 FT MSL.  
BUILDING, VEGETATION BEGINNING 4725 FT FROM DER, 382 FT RIGHT OF CENTERLINE, UP TO 22 FT AGL/425 FT MSL.  
BUILDING, TERRAIN, TREE, TOWERS BEGINNING 4924 FT FROM DER, 136 FT RIGHT OF CENTERLINE, UP TO 14 FT AGL/427 FT MSL.  
TREE 5136 FT FROM DER, 576 FT RIGHT OF CENTERLINE, 95 FT AGL/510 FT MSL.  
TREE 1.1 NM FROM DER, 1578 FT RIGHT OF CENTERLINE, 87 FT AGL/453 FT MSL.

NOTE: RWY 19, POLE 1041 FT FROM DER, 775 FT LEFT OF CENTERLINE, 29 FT AGL/318 FT MSL.  
TREES BEGINNING 1085 FT FROM DER, 679 FT RIGHT OF CENTERLINE, UP TO 331 FT MSL.  
TREE 1724 FT FROM DER, 788 FT RIGHT OF CENTERLINE, 332 FT MSL.  
TREE 1986 FT FROM DER, 707 FT RIGHT OF CENTERLINE, 348 FT MSL.  
TREES BEGINNING 1998 FT FROM DER, 562 FT RIGHT OF CENTERLINE, UP TO 369 FT MSL.  
TREES BEGINNING 2487 FT FROM DER, 990 FT RIGHT OF CENTERLINE, UP TO 377 FT MSL.  
TREE 2713 FT FROM DER, 1178 FT LEFT OF CENTERLINE, 364 FT MSL.  
TREES BEGINNING 3069 FT FROM DER, 1092 FT RIGHT OF CENTERLINE, UP TO 96 FT AGL/386 FT MSL.  
TREE 3927 FT FROM DER, 1436 FT RIGHT OF CENTERLINE, 397 FT MSL.  
TREES BEGINNING 3978 FT FROM DER, 1168 FT RIGHT OF CENTERLINE, UP TO 399 FT MSL.  
TREE 4358 FT FROM DER, 1190 FT RIGHT OF CENTERLINE, 400 FT MSL.

NOTE: RWY 28, POLE 6 FT FROM DER, 51 FT RIGHT OF CENTERLINE, 9 FT AGL/278 FT MSL.  
ELECTRICAL SYSTEM 23 FT FROM DER, 427 FT RIGHT OF CENTERLINE, 19 FT AGL/280 FT MSL.  
POLE 39 FT FROM DER, 124 FT LEFT OF CENTERLINE, 9 FT AGL/278 FT MSL.  
TREE, BUILDING BEGINNING 149 FT FROM DER, 355 FT LEFT OF CENTERLINE, UP TO 34 FT AGL/293 FT MSL.  
POLES BEGINNING 330 FT FROM DER, 354 FT LEFT OF CENTERLINE, UP TO 39 FT AGL/304 FT MSL.  
POLES BEGINNING 455 FT FROM DER, 352 FT LEFT OF CENTERLINE, UP TO 35 FT AGL/305 FT MSL.  
TREES, POLES BEGINNING 555 FT FROM DER, 458 FT RIGHT OF CENTERLINE, UP TO 36 FT AGL/311 FT MSL.  
TREE 569 FT FROM DER, 619 FT LEFT OF CENTERLINE, 309 FT MSL.  
BUILDING, TREE, POLE BEGINNING 694 FT FROM DER, 490 FT LEFT OF CENTERLINE, UP TO 44 FT AGL/325 FT MSL.  
TREE, POLE, TERRAIN BEGINNING 827 FT FROM DER, 490 FT LEFT OF CENTERLINE, UP TO 329 FT MSL.  
POLE 892 FT FROM DER, 587 FT RIGHT OF CENTERLINE, 30 FT AGL/312 FT MSL.  
BUILDINGS BEGINNING 989 FT FROM DER, 543 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/329 FT MSL.  
TREES BEGINNING 1051 FT FROM DER, 277 FT LEFT OF CENTERLINE, UP TO 386 FT MSL.  
BUILDINGS, TERRAIN BEGINNING 1081 FT FROM DER, 265 FT RIGHT OF CENTERLINE, UP TO 42 FT AGL/334 FT MSL.  
TREES, BUILDINGS, POLE BEGINNING 1330 FT FROM DER, 5 FT LEFT OF CENTERLINE, UP TO 388 FT MSL.  
TREE 1358 FT FROM DER, 534 FT RIGHT OF CENTERLINE, 342 FT MSL.  
TREE 1397 FT FROM DER, 581 FT RIGHT OF CENTERLINE, 49 FT AGL/343 FT MSL.  
TREES BEGINNING 1497 FT FROM DER, 527 FT RIGHT OF CENTERLINE, UP TO 362 FT MSL.  
TREES BEGINNING 1769 FT FROM DER, 107 FT RIGHT OF CENTERLINE, UP TO 400 FT MSL.  
TREES BEGINNING 1912 FT FROM DER, 309 FT LEFT OF CENTERLINE, UP TO 401 FT MSL.  
TREES BEGINNING 1979 FT FROM DER, 44 FT RIGHT OF CENTERLINE, UP TO 413 FT MSL.  
TREES BEGINNING 2152 FT FROM DER, 344 FT LEFT OF CENTERLINE, UP TO 405 FT MSL.  
TREE 2357 FT FROM DER, 850 FT LEFT OF CENTERLINE, 418 FT MSL.  
TREES BEGINNING 2362 FT FROM DER, 466 FT RIGHT OF CENTERLINE, UP TO 421 FT MSL.  
TREES BEGINNING 2380 FT FROM DER, 311 FT LEFT OF CENTERLINE, UP TO 419 FT MSL.  
TREES BEGINNING 2399 FT FROM DER, 408 FT RIGHT OF CENTERLINE, UP TO 98 FT AGL/425 FT MSL.  
TREES BEGINNING 2441 FT FROM DER, 369 FT RIGHT OF CENTERLINE, UP TO 427 FT MSL.  
TREES BEGINNING 2524 FT FROM DER, 389 FT RIGHT OF CENTERLINE, UP TO 428 FT MSL.  
TREE, AMUSEMENT PARK STRUCTURE BEGINNING 2610 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 429 FT MSL.  
TREES BEGINNING 2696 FT FROM DER, 79 FT LEFT OF CENTERLINE, UP TO 432 FT MSL.  
TREE 2886 FT FROM DER, 1015 FT LEFT OF CENTERLINE, 97 FT AGL/440 FT MSL.  
TREE, POLE BEGINNING 2913 FT FROM DER, 22 FT LEFT OF CENTERLINE, UP TO 448 FT MSL.



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TREES BEGINNING 3017 FT FROM DER, 100 FT LEFT OF CENTERLINE, UP TO 451 FT MSL.  
TREES, BUILDING, POLE BEGINNING 3085 FT FROM DER, 185 FT LEFT OF CENTERLINE, UP TO 469 FT MSL.  
TREES, POLE BEGINNING 3152 FT FROM DER, 15 FT LEFT OF CENTERLINE, UP TO 479 FT MSL.  
TREES BEGINNING 3295 FT FROM DER, 192 FT LEFT OF CENTERLINE, UP TO 492 FT MSL.  
TREES, TERRAIN, VERTICAL STRUCTURE BEGINNING 3981 FT FROM DER, 32 FT LEFT OF CENTERLINE, UP TO 466 FT MSL.  
TREES BEGINNING 5419 FT FROM DER, 507 FT RIGHT OF CENTERLINE, UP TO 529 FT MSL.  
TREES BEGINNING 1.4 NM FROM DER, 2348 FT RIGHT OF CENTERLINE, UP TO 542 FT MSL.  
TREES BEGINNING 1.5 NM FROM DER, 2642 FT RIGHT OF CENTERLINE, UP TO 525 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 10: 510 FT MSL TREE 424455.36N/034600.34W (CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE), 513 FT MSL TREE 424454.58N/0734558.46W (CEILING), 453 FT MSL TREE 424445.81N/0734532.86W (VISIBILITY).

RWY 28: 492 FT MSL TREE 424442.36N/0734927.08W (CLIMB GRADIENT/CLIMB GRADIENT TERMINATION ALTITUDE), 542 FT MSL TREE 424517.27N/0735045.43W (CEILING), 525 FT MSL TREE 424522.08N/0735048.50W (VISIBILITY).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT RWY 10: 1687 FT MSL TOWER 424709.00N/0733741.00W, RWYS 19/28 2294 FT MSL TOWER 423731.34N/0740036.20W.

**REMARKS:**

**FLIGHT INSPECTED BY** *Digitally signed by*  
BOB S PRESSLER **LONNIE EVERHART**  
Jul 13, 2021

**OFFICE** **DATE**  
FICO 07/09/2021

**DEVELOPED BY** *Digitally signed by*  
JON DENTON (THERON CYRUS) **LONNIE EVERHART**  
Jul 13, 2021

**OFFICE** **DATE**  
AJV-A432 11/20/2020

**APPROVED BY** *Digitally signed by*  
LONNIE EVERHART **LONNIE EVERHART**  
Jul 13, 2021

**OFFICE** **DATE** **TITLE**  
AJV-A430 MANAGER

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

A4A  ALPA  AOPA  APA  HAI  NBAA  **OTHER:** ZBW, ALB ATCT, AMGR

**CHANGES - REASONS:**

1. UPDATED TAKEOFF OBSTACLE NOTES ALL RUNWAYS - NEW OBSTACLE EVALUATION BASED ON SEPT 2019 VG SURVEY.
2. CHANGED RWY 10 TAKEOFF MINIMUMS FROM: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 365 TO 600 TO: 300-1 3/8 OR STANDARD WITH MINIMUM CLIMB OF 378 FEET PER NM TO 1100 - NEW OBSTACLE EVALUATION BASED ON SEPT 2019 VG SURVEY.
2. CHANGED RWY 10 TEXTUAL DEPARTURE PROCEDURE FROM: CLIMB HEADING 110.00 TO 2000 BEFORE TURNING NORTH TO: CLIMB ON HEADING 110.00 TO 2000 BEFORE TURNING NORTH - UPDATE VERBIAGE TO CURRENT CRITERIA.
3. CHANGED RWY 19 TEXTUAL DEPARTURE PROCEDURE FROM: CLIMB HEADING 191.17 TO 1100 BEFORE TURNING WEST TO: CLIMB ON HEADING 191.17 TO 1400 BEFORE TURNING WEST - INCORPORATE NOTAM FDC 9/9151.
4. CHANGED RWY 28 TAKEOFF MINIMUMS FROM: 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 458 FT PER NM TO 700 TO: 300-1 7/8 OR STANDARD WITH MINIMUM CLIMB OF 524 FEET PER NM TO 600 - NEW OBSTACLE EVALUATION BASED ON SEPT 2019 VG SURVEY.
5. CHANGED RWY 28 TEXTUAL DEPARTURE PROCEDURE FROM: CLIMB HEADING 281.19 TO 2000 BEFORE PROCEEDING ON COURSE TO: CLIMB ON HEADING 281.19 TO 2000 BEFORE PROCEEDING ON COURSE - UPDATE VERBIAGE TO CURRENT CRITERIA.

