

**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.

AIRPORT	AIRPORT ID	CITY	STATE	AMDT NO	ACTUAL EFFECTIVE DATE
ALEXANDRIA	KN85	PITTSBURY	NJ	3	17 JUNE 2021

TAKEOFF MINIMUMS:

RWY 13, 26: STANDARD.

RWY 8, 500-2 1/2 WITH MINIMUM CLIMB OF 250 FT PER NM TO 1200 OR 1200-3 FOR VCOA.

RWY 31, STANDARD WITH MINIMUM CLIMB OF 390 FT PER NM TO 1300 OR 1200-3 FOR VCOA.

TEXTUAL DEPARTURE PROCEDURES:

RWY 8, CLIMB ON HEADING 074.47 TO 1200 BEFORE PROCEEDING ON COURSE.

RWY 13, CLIMB ON HEADING 127.51 TO 1200 BEFORE PROCEEDING ON COURSE.

VISUAL CLIMB OVER AIRPORT:

RWY 8, 31, OBTAIN ATC APPROVAL FOR VCOA WHEN REQUESTING IFR CLEARANCE. CLIMB IN VISUAL CONDITIONS TO CROSS ALEXANDRIA AIRPORT AT OR ABOVE 1500 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 8, TREE 191 FT FROM DER, 245 FT RIGHT OF CENTERLINE, 100 FT AGL/586 FT MSL. TREE 400 FT FROM DER, 345 FT RIGHT OF CENTERLINE, 100 FT AGL/593 FT MSL. TREES BEGINNING 531 FT FROM DER, 71 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/599 FT MSL. TREE 584 FT FROM DER, 576 FT LEFT OF CENTERLINE, 100 FT AGL/593 FT MSL. TREE 662 FT FROM DER, 202 FT LEFT OF CENTERLINE, 100 FT AGL/596 FT MSL. TREES BEGINNING 740 FT FROM DER, 171 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/606 FT MSL. TREES BEGINNING 793 FT FROM DER, 102 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/602 FT MSL. TREES BEGINNING 949 FT FROM DER, 270 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/612 FT MSL. TREES BEGINNING 1002 FT FROM DER, 3 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/612 FT MSL. TREES BEGINNING 1158 FT FROM DER, 96 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/619 FT MSL. TREES BEGINNING 1210 FT FROM DER, 277 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/619 FT MSL. TREES BEGINNING 1419 FT FROM DER, 77 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/625 FT MSL. TREES BEGINNING 1575 FT FROM DER, 296 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/622 FT MSL. TREE 1784 FT FROM DER, 669 FT RIGHT OF CENTERLINE, 100 FT AGL/625 FT MSL. TREES BEGINNING 1837 FT FROM DER, 22 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/629 FT MSL. TREES BEGINNING 1993 FT FROM DER, 121 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/632 FT MSL. TREES BEGINNING 2124 FT FROM DER, 221 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/635 FT MSL. TREES BEGINNING 2229 FT FROM DER, 52 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/632 FT MSL. TREE 2333 FT FROM DER, 595 FT RIGHT OF CENTERLINE, 100 FT AGL/639 FT MSL. TREES BEGINNING 2378 FT FROM DER, 47 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/640 FT MSL. TREES BEGINNING 2438 FT FROM DER, 326 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/639 FT MSL. TREE 2569 FT FROM DER, 974 FT LEFT OF CENTERLINE, 100 FT AGL/642 FT MSL. TREES BEGINNING 2647 FT FROM DER, 226 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/645 FT MSL. TREES BEGINNING 2778 FT FROM DER, 500 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/658 FT MSL. TREES BEGINNING 2909 FT FROM DER, 126 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/681 FT MSL. TREES BEGINNING 3118 FT FROM DER, 27 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/694 FT MSL. TREES BEGINNING 3248 FT FROM DER, 301 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/704 FT MSL. TREES BEGINNING 3299 FT FROM DER, 72 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/642 FT MSL. TREES BEGINNING 3457 FT FROM DER, 201 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/711 FT MSL. TREE 3508 FT FROM DER, 819 FT RIGHT OF CENTERLINE, 100 FT AGL/645 FT MSL. TREES BEGINNING 3561 FT FROM DER, 172 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/652 FT MSL. TREES BEGINNING 3666 FT FROM DER, 101 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/721 FT MSL. TREES BEGINNING 3769 FT FROM DER, 271 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/662 FT MSL. TREES BEGINNING 3875 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/724 FT MSL. TREES BEGINNING 3978 FT FROM DER, 38 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/668 FT MSL. TREE 4084 FT FROM DER, 923 FT LEFT OF CENTERLINE, 100 FT AGL/727 FT MSL. TREES BEGINNING 4109 FT FROM DER, 97 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/694 FT MSL. TREES BEGINNING 4137 FT FROM DER, 176 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/734 FT MSL. TREES BEGINNING 4318 FT FROM DER, 197 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/698 FT MSL. TREES BEGINNING 4345 FT FROM DER, 76 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/750 FT MSL. TREES BEGINNING 4554 FT FROM DER, 350 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/763 FT MSL. TREES BEGINNING 4658 FT FROM DER, 23 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/717 FT MSL. TREES BEGINNING 4685 FT FROM DER, 624 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/770 FT MSL. TREES BEGINNING 4763 FT FROM DER, 250 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/776 FT MSL. TREES BEGINNING 4894 FT FROM DER, 524 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/786 FT MSL. TREES BEGINNING 4972 FT FROM DER, 151 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/789 FT MSL. TREES BEGINNING 5025 FT FROM DER, 798 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/793 FT MSL. TREES BEGINNING 5103 FT FROM DER, 51 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/799 FT MSL. TREES BEGINNING 5234 FT FROM DER, 699 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/803 FT MSL. TREES BEGINNING 5312 FT FROM DER, 325 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/809 FT MSL. TREES BEGINNING 5442 FT FROM DER, 225 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/812 FT MSL. TREES BEGINNING 5651 FT FROM DER, 126 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/822 FT MSL. TREES BEGINNING 5782 FT FROM DER, 400 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/826 FT MSL. TREES BEGINNING 5833 FT FROM DER, 247 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/721 FT MSL. TREES BEGINNING 5913 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/855 FT MSL. TREES BEGINNING 1 NM FROM DER, 73 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/727 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 275 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/862 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 98 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/730 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 175 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/868 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 198 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/740 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 75 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/878 FT MSL. TREES BEGINNING 1.2 NM FROM DER, 25 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/888 FT MSL. TREES BEGINNING 1.2 NM FROM DER, 23 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/744 FT MSL. TREES BEGINNING 1.6 NM FROM DER, 298 FT RIGHT OF CENTERLINE, UP TO 200 FT AGL/758 FT MSL. TREE 1.6 NM FROM DER, 24 FT RIGHT OF CENTERLINE, 200 FT AGL/768 FT MSL. TREE 1.7 NM FROM DER, 397 FT RIGHT OF CENTERLINE, UP TO 200 FT AGL/771 FT MSL. TREES BEGINNING 1.7 NM FROM DER, 523 FT LEFT OF CENTERLINE, UP TO 200 FT AGL/906 FT MSL. TREES BEGINNING 1.7 NM FROM DER, 123 FT RIGHT OF CENTERLINE, UP TO 200 FT AGL/788 FT MSL. TREES BEGINNING 1.7 NM FROM DER, 150 FT LEFT OF CENTERLINE, UP TO 200 FT AGL/919 FT MSL. TREES BEGINNING 1.7 NM FROM DER, 223 FT RIGHT OF CENTERLINE, UP TO 200 FT AGL/801 FT MSL. TREES BEGINNING 1.7 NM FROM DER, 50 FT LEFT OF CENTERLINE, UP TO 200 FT AGL/922 FT MSL. TREES BEGINNING 1.7 NM FROM DER, 324 FT LEFT OF CENTERLINE, UP TO 200 FT AGL/939 FT MSL. TREES BEGINNING 1.7 NM FROM DER, 323 FT RIGHT OF CENTERLINE, UP TO 200 FT AGL/814 FT MSL. TREES BEGINNING 1.8 NM FROM DER, 49 FT RIGHT OF CENTERLINE, UP TO 200 FT AGL/821 FT MSL. TREES BEGINNING 1.8 NM FROM DER, 25 FT LEFT OF CENTERLINE, UP TO 200 FT AGL/955 FT MSL. TREE 2.1 NM FROM DER, 2666 FT LEFT OF CENTERLINE, 200 FT AGL/821 FT MSL.



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ALEXANDRIA	KN85	PITTSBOWN	NJ	3	17 JUNE 2021

NOTE: RWY 13, TREE 157 FT FROM DER, 369 FT RIGHT OF CENTERLINE, 100 FT AGL/559 FT MSL. TREE 320 FT FROM DER, 429 FT LEFT OF CENTERLINE, 100 FT AGL/579 FT MSL. TREE 840 FT FROM DER, 521 FT LEFT OF CENTERLINE, 100 FT AGL/599 FT MSL.

NOTE: RWY 26, TREE 26 FT FROM DER, 403 FT RIGHT OF CENTERLINE, 100 FT AGL/527 FT MSL. TREES BEGINNING 79 FT FROM DER, 144 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/553 FT MSL. TREES BEGINNING 157 FT FROM DER, 129 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/534 FT MSL. TREES BEGINNING 429 FT FROM DER, 55 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/539 FT MSL. TREES BEGINNING 455 FT FROM DER, 18 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/559 FT MSL.

NOTE: RWY 31, TREE 899 FT FROM DER, 648 FT RIGHT OF CENTERLINE, 100 FT AGL/519 FT MSL. TREE 974 FT FROM DER, 45 FT LEFT OF CENTERLINE, 100 FT AGL/519 FT MSL. TREE 2044 FT FROM DER, 194 FT RIGHT OF CENTERLINE, 100 FT AGL/539 FT MSL. TREE 2064 FT FROM DER, 492 FT RIGHT OF CENTERLINE, 100 FT AGL/559 FT MSL. TREES BEGINNING 2538 FT FROM DER, 624 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/579 FT MSL. TREE 4592 FT FROM DER, 1019 FT RIGHT OF CENTERLINE, 100 FT AGL/599 FT MSL. TREE 1 NM FROM DER, 2105 FT RIGHT OF CENTERLINE, 100 FT AGL/619 FT MSL. TREE 1.1 NM FROM DER, 2259 FT RIGHT OF CENTERLINE, 100 FT AGL/639 FT MSL. TREE 1.6 NM FROM DER, 890 FT RIGHT OF CENTERLINE, 200 FT AGL/699 FT MSL.

CONTROLLING OBSTACLES:

RWY 8: 1122 FT MSL AAO 403528.65N/0750026.26W (CLIMB GRADIENT AND CLIMB-TO ALTITUDE), 955 FT MSL AAO 403636.00N/0745903.00W (CEILING), 886 FT MSL AAO 403642.02N/0745856.96W (VISIBILITY).

RWY 31: 1040 FT MSL AAO 403700.31N/0750140.00W (CLIMB GRADIENT), 1122 FT MSL AAO 403702.99N/0750041.24W (CLIMB-TO ALTITUDE).

RWY 8, 31: VISUAL CLIMB AREA OBSTACLE: 1140 FT MSL AAO 403703.00N/0750041.91W. OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: 1160 FT MSL AAO 403754.18N/0750308.72W.

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 8: 1034 FT MSL AAO 403647.08N/0745948.78W. RWY 13: 1020 FT MSL AAO 403648.05N/0745950.62W.

REMARKS:

FLIGHT INSPECTED BY

JEREMY R VIRTIS

Digitally signed by OFFICE

JON DENTON FICO

Mar 17, 2021

DATE

3/16/2021

DEVELOPED BY

WARDELL HENNING (GORDON LEMON)

Digitally signed by

JON DENTON

Mar 17, 2021

OFFICE

AJV-A432

DATE

05/26/2020

APPROVED BY

GEORGE DAVIS

Digitally signed by

JON DENTON

Mar 17, 2021

OFFICE

AJV-A430

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ ALPA ☒ AOPA ☒ APA ☐ HAI ☐ NBAA ☒ OTHER: ABE ATCT, NY TRACON, AMGR.

CHANGES - REASONS:

1. UPDATED RWY 31 TAKEOFF MINIMUMS FROM "400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 226 FT PER NM TO 900" TO "STANDARD WITH MINIMUM CLIMB OF 390 FT PER NM TO 1300 OR 1200-3 FOR VCOA" - NEW EVALUATION AND INCORPORATED NOTAM 9/7529.
2. UPDATED RWY 8 TAKEOFF MINIMUMS FROM "400-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 479 FT PER NM TO 1000" TO "500-2 1/2 WITH MINIMUM CLIMB OF 250 FT PER NM TO 1200 OR 1200-3 FOR VCOA" - NEW OBSTACLE EVALUATION.
3. ADDED TEXTUAL DEPARTURE PROCEDURE FOR RWY 13: "CLIMB ON HEADING 127.51 TO 1200 BEFORE PROCEEDING ON COURSE" - NEW OBSTACLE EVALUATION.
4. CHANGED CONTROLLING OBSTACLES RWY 8 FROM "769 FT MSL TREE 403548.00N/0750006.00W AND 809 FT MSL TREE 403557.00N/0745954.00W" TO "1122 FT MSL AAO 403528.65N/0750026.26W (CLIMB GRADIENT AND CLIMB-TO ALTITUDE), 955 FT MSL AAO 403636.00N/0745903.00W (CEILING), 886 FT MSL AAO 403642.02N/0745856.96W (VISIBILITY)" - NEW OBSTACLE EVALUATION.
5. CHANGED CONTROLLING OBSTACLES RWY 31 FROM "759 FT MSL AAO 403640.15N/0750304.88W" TO "1040 FT MSL AAO 403700.31N/0750140.00W (CLIMB GRADIENT), 1122 FT MSL AAO 403702.99N/0750041.24W (CLIMB-TO ALTITUDE)" - NEW OBSTACLE EVALUATION.
6. ADDED VCOA FOR RWYS 8, 31 "VISUAL CLIMB AREA OBSTACLE: 1140 FT MSL AAO 403703.00N/0750041.91W. OBSTACLE OUTSIDE VISUAL CLIMB AREA MANDATING VCOA CLIMB TO ALTITUDE: 1160 FT MSL AAO 403754.18N/0750308.72W" - VCOA REQUIRED, NEW OBSTACLE EVALUATIONS.
7. ADDED "OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 8: 1034 FT MSL AAO 403647.08N/0745948.78W. RWY 13: 1020 FT MSL AAO 403648.05N/0745950.62W" - NEW OBSTACLE EVALUATION.
8. CHANGED TAKE OFF OBSTACLE NOTES FOR ALL RUNWAYS - NEW OBSTACLE EVALUATIONS.

QUALITY
3
CHECKED