

**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>
PHILADELPHIA INTL	KPHL	PHILADELPHIA	PA	11	25 FEBRUARY 2021

TAKEOFF MINIMUMS:

RWY 26: NA - ATC REQUEST.
 RWY 27L, 27R: STANDARD.
 RWY 8: STANDARD WITH MINIMUM CLIMB OF 300 FT PER NM TO 1500.
 RWY 9L: STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 1500.
 RWY 9R: STANDARD WITH MINIMUM CLIMB OF 250 FT PER NM TO 1500.
 RWY 17: 300 - 1 OR STANDARD WITH MINIMUM CLIMB OF 611 FT PER NM TO 300.
 RWY 35: STANDARD WITH MINIMUM CLIMB OF 280 FT PER NM TO 1500.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 08: POLES BEGINNING 5 FT FROM DER, 15 FT LEFT OF CENTERLINE, UP TO 1 FT AGL/37 FT MSL.
 POLES BEGINNING 10 FT FROM DER, 13 FT RIGHT OF CENTERLINE, UP TO 1 FT AGL/37 FT MSL.
 GENERAL UTILITY AND FENCE BEGINNING 52 FT FROM DER, 250 FT RIGHT OF CENTERLINE, UP TO 10 FT AGL/42 FT MSL.
 TREE 276 FT FROM DER, 563 FT LEFT OF CENTERLINE, 57 FT AGL/58 FT MSL.
 TREE 445 FT FROM DER, 554 FT RIGHT OF CENTERLINE, 43 FT AGL/50 FT MSL.
 TREES BEGINNING 506 FT FROM DER, 536 FT RIGHT OF CENTERLINE, UP TO 49 FT AGL/56 FT MSL.
 TREES BEGINNING 612 FT FROM DER, 75 FT RIGHT OF CENTERLINE, UP TO 68 FT AGL/74 FT MSL.
 TREE 2834 FT FROM DER, 702 FT RIGHT OF CENTERLINE, 114 FT AGL/119 FT MSL.

NOTE: RWY 09L: POLES BEGINNING 9 FT FROM DER, 15 FT RIGHT OF CENTERLINE, UP TO 2 FT AGL/12 FT MSL.
 POLES BEGINNING 9 FT FROM DER, 14 FT LEFT OF CENTERLINE, UP TO 1 FT AGL/12 FT MSL.
 ASDE POLE AND GENERAL UTILITY BEGINNING 103 FT FROM DER, 460 FT RIGHT OF CENTERLINE, UP TO 8 FT AGL/15 FT MSL.
 TREE 600 FT FROM DER, 619 FT LEFT OF CENTERLINE, 23 FT AGL/28 FT MSL.
 TREE 969 FT FROM DER, 655 FT LEFT OF CENTERLINE, 35 FT AGL/35 FT MSL.
 POLE 1014 FT FROM DER, 736 FT RIGHT OF CENTERLINE, 29 FT AGL/36 FT MSL.
 TREE 1431 FT FROM DER, 784 FT RIGHT OF CENTERLINE, 40 FT AGL/47 FT MSL.
 TREE 1943 FT FROM DER, 985 FT RIGHT OF CENTERLINE, 55 FT AGL/59 FT MSL.
 TREE 2043 FT FROM DER, 993 FT RIGHT OF CENTERLINE, 53 FT AGL/62 FT MSL.
 TREES BEGINNING 2118 FT FROM DER, 970 FT RIGHT OF CENTERLINE, UP TO 61 FT AGL/73 FT MSL.
 VERTICAL STRUCTURE 3543 FT FROM DER, 1120 FT RIGHT OF CENTERLINE, 94 FT AGL/103 FT MSL.

NOTE: RWY 09R: LIGHTING 154 FT FROM DER, ON CENTERLINE, 7 FT AGL/15 FT MSL.
 TREE 2177 FT FROM DER, 1067 FT RIGHT OF CENTERLINE, 54 FT AGL/67 FT MSL.
 VERTICAL STRUCTURE 3736 FT FROM DER, 1217 FT RIGHT OF CENTERLINE, 109 FT MSL.
 ANTENNA 3845 FT FROM DER, 1052 FT RIGHT OF CENTERLINE, 143 FT AGL/143 FT MSL.
 TOWER AND ANTENNA BEGINNING 3887 FT FROM DER, 658 FT RIGHT OF CENTERLINE, UP TO 140 FT AGL/144 FT MSL.

NOTE: RWY 17: POLE 2 FT FROM DER, 55 FT RIGHT OF CENTERLINE, 1 FT AGL/13 FT MSL.
 TERRAIN AND LIGHTING BEGINNING 2 FT FROM DER, 113 FT RIGHT OF CENTERLINE, UP TO 20 FT MSL.
 LIGHTING 37 FT FROM DER, 112 FT LEFT OF CENTERLINE, 4 FT AGL/14 FT MSL.
 TERRAIN 86 FT FROM DER, 61 FT LEFT OF CENTERLINE, 20 FT MSL.
 TERRAIN 202 FT FROM DER, 483 FT RIGHT OF CENTERLINE, 23 FT MSL.
 TREE AND VEHICLE ON ROAD BEGINNING 630 FT FROM DER, 647 FT LEFT OF CENTERLINE, UP TO 34 FT AGL/48 FT MSL.
 TREE, POLE, AND VEHICLE ON ROAD BEGINNING 701 FT FROM DER, 341 FT LEFT OF CENTERLINE, UP TO 45 FT AGL/58 FT MSL.
 TREES BEGINNING 985 FT FROM DER, 521 FT LEFT OF CENTERLINE, UP TO 51 FT AGL/61 FT MSL.
 TREE AND POLE BEGINNING 1005 FT FROM DER, 228 FT LEFT OF CENTERLINE, UP TO 55 FT AGL/68 FT MSL.
 TREE 1097 FT FROM DER, 390 FT RIGHT OF CENTERLINE, 46 FT MSL.
 TREE AND POLE BEGINNING 1127 FT FROM DER, 11 FT LEFT OF CENTERLINE, UP TO 60 FT AGL/73 FT MSL.
 TREE 1299 FT FROM DER, 126 FT RIGHT OF CENTERLINE, 37 FT AGL/50 FT MSL.



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TREES BEGINNING 1310 FT FROM DER, 63 FT RIGHT OF CENTERLINE, UP TO 38 FT AGL/51 FT MSL.
 TREE 1382 FT FROM DER, 194 FT RIGHT OF CENTERLINE, 46 FT AGL/54 FT MSL.
 TREE 1387 FT FROM DER, 171 FT RIGHT OF CENTERLINE, 48 FT AGL/55 FT MSL.
 TREE 1388 FT FROM DER, 214 FT RIGHT OF CENTERLINE, 46 FT AGL/57 FT MSL.
 TREES BEGINNING 1400 FT FROM DER, 5 FT RIGHT OF CENTERLINE, UP TO 49 FT AGL/60 FT MSL.
 TREE 1744 FT FROM DER, 931 FT RIGHT OF CENTERLINE, 63 FT AGL/70 FT MSL.
 TRANSIENT SHIP 2323 FT FROM DER, 2 FT RIGHT OF CENTERLINE, 190 FT AGL/190 FT MSL.

NOTE: RWY 27L: POLE AND VEHICLE ON ROAD BEGINNING ABEAM DER, 14 FT LEFT OF CENTERLINE, UP TO 1 FT AGL/21 FT MSL.
 VEHICLE ON ROAD AND POLE BEGINNING 6 FT FROM DER, 20 FT RIGHT OF CENTERLINE, UP TO 21 FT MSL.
 TREES BEGINNING 234 FT FROM DER, 531 FT RIGHT OF CENTERLINE, UP TO 42 FT AGL/47 FT MSL.
 TREES BEGINNING 313 FT FROM DER, 391 FT RIGHT OF CENTERLINE, UP TO 45 FT AGL/51 FT MSL.
 TREES BEGINNING 631 FT FROM DER, 619 FT LEFT OF CENTERLINE, UP TO 41 FT AGL/41 FT MSL.
 TREES BEGINNING 873 FT FROM DER, 609 FT RIGHT OF CENTERLINE, UP TO 39 FT AGL/54 FT MSL.
 TREE 2440 FT FROM DER, 644 FT RIGHT OF CENTERLINE, 76 FT AGL/82 FT MSL.
 TREE 2631 FT FROM DER, 1156 FT RIGHT OF CENTERLINE, 101 FT AGL/105 FT MSL.

NOTE: RWY 27R: TERRAIN AND POLE BEGINNING 2 FT FROM DER, 24 FT RIGHT OF CENTERLINE, UP TO 20 FT MSL.
 POLES BEGINNING 4 FT FROM DER, 5 FT LEFT OF CENTERLINE, UP TO 3 FT AGL/14 FT MSL.
 TERRAIN 78 FT FROM DER, 111 FT LEFT OF CENTERLINE, UP TO 20 FT MSL.

NOTE: RWY 35: TERRAIN AND POLE BEGINNING 3 FT FROM DER, 35 FT LEFT OF CENTERLINE, UP TO 10 FT MSL.
 POLES BEGINNING 15 FT FROM DER, 4 FT RIGHT OF CENTERLINE, UP TO 2 FT AGL/9 FT MSL.
 FENCE BEGINNING 115 FT FROM DER, 382 FT LEFT OF CENTERLINE, UP TO 10 FT AGL/17 FT MSL.
 POLE AND BUILDING BEGINNING 341 FT FROM DER, 360 FT LEFT OF CENTERLINE, UP TO 23 FT AGL/29 FT MSL.
 FENCE 444 FT FROM DER, 2 FT RIGHT OF CENTERLINE, 13 FT AGL/20 FT MSL.
 POLE 480 FT FROM DER, 587 FT RIGHT OF CENTERLINE, 21 FT AGL/25 FT MSL.
 POLES BEGINNING 532 FT FROM DER, 458 FT RIGHT OF CENTERLINE, UP TO 22 FT AGL/26 FT MSL.
 POLE, TREE, VEHICLE ON ROAD, AND SIGN BEGINNING 595 FT FROM DER, 299 FT LEFT OF CENTERLINE, UP TO 53 FT AGL/58 FT MSL.
 POLE 722 FT FROM DER, 604 FT RIGHT OF CENTERLINE, 20 FT AGL/27 FT MSL.
 POLE 758 FT FROM DER, 95 FT RIGHT OF CENTERLINE, 25 FT AGL/31 FT MSL.
 BUILDINGS BEGINNING 761 FT FROM DER, 644 FT RIGHT OF CENTERLINE, UP TO 29 FT AGL/35 FT MSL.
 BUILDING 852 FT FROM DER, 728 FT RIGHT OF CENTERLINE, 25 FT AGL/36 FT MSL.
 POLE AND TREE BEGINNING 1072 FT FROM DER, 91 FT RIGHT OF CENTERLINE, UP TO 47 FT AGL/52 FT MSL.
 VEHICLE ON ROAD, SIGN, POLE, AND TREE BEGINNING 1398 FT FROM DER, 625 FT RIGHT OF CENTERLINE, UP TO 61 FT MSL.
 TREE 1922 FT FROM DER, 949 FT RIGHT OF CENTERLINE, 57 FT AGL/64 FT MSL.
 TREE 2067 FT FROM DER, 938 FT RIGHT OF CENTERLINE, 58 FT AGL/65 FT MSL.
 TREE 2087 FT FROM DER, 989 FT RIGHT OF CENTERLINE, 60 FT AGL/66 FT MSL.
 POLE 2167 FT FROM DER, 200 FT RIGHT OF CENTERLINE, 62 FT AGL/68 FT MSL.
 TREE AND BUILDING BEGINNING 2206 FT FROM DER, 92 FT RIGHT OF CENTERLINE, UP TO 66 FT AGL/72 FT MSL.
 TREE 2208 FT FROM DER, 808 FT LEFT OF CENTERLINE, 67 FT AGL/75 FT MSL.
 TREES BEGINNING 2215 FT FROM DER, 728 FT LEFT OF CENTERLINE, UP TO 74 FT AGL/82 FT MSL.
 TREES BEGINNING 2248 FT FROM DER, 606 FT LEFT OF CENTERLINE, UP TO 81 FT AGL/88 FT MSL.
 TREES BEGINNING 2272 FT FROM DER, 700 FT LEFT OF CENTERLINE, UP TO 87 FT AGL/93 FT MSL.
 TREE 2325 FT FROM DER, 837 FT LEFT OF CENTERLINE, 88 FT AGL/94 FT MSL.
 TREES BEGINNING 2348 FT FROM DER, 686 FT LEFT OF CENTERLINE, UP TO 89 FT AGL/95 FT MSL.
 TREES BEGINNING 2536 FT FROM DER, 854 FT LEFT OF CENTERLINE, UP TO 91 FT AGL/97 FT MSL.
 POLE, TREE, AND TRANSMISSION LINE BEGINNING 877 FT RIGHT OF CENTERLINE, 74 FT AGL/84 FT MSL.
 POLE AND TRANSMISSION LINE BEGINNING 3882 FT FROM DER, 643 FT RIGHT OF CENTERLINE, UP TO 105 FT AGL/111 FT MSL.
 POLE, TRANSMISSION LINE, AND CATENARY BEGINNING 4065 FT FROM DER, 920 FT RIGHT OF CENTERLINE, UP TO 118 FT AGL/125 FT MSL.
 TRANSMISSION LINE BEGINNING 4249 FT FROM DER, 1202 FT RIGHT OF CENTERLINE, UP TO 121 FT AGL/129 FT MSL.

CONTROLLING OBSTACLES:

RWY 8, 9L, 9R, 35: 1153 FT MSL BUILDING 395718.00N/0751014.00W.
 RWY 17: 190 FT MSL SHIP 395154.18N/0751329.48W.
 RWY 27L, 27R: NONE.

REMARKS:

SHIPS LIMITED TO 190 FEET MSL BY COMMODORE BARRY BRIDGE.
 DEPARTURE ROUTES AND VCOA NOT DEVELOPED AT ATC REQUEST.
 RWY 26 NA PER ATC DUE TO FLIGHT PATH OVERFLYING TERMINAL BUILDINGS.



AIRPORT PHILADELPHIA INTL **AIRPORT ID** KPHL **CITY** PHILADELPHIA **STATE** PA **AMDT NO** 11 **EFFECTIVE DATE** 25 FEBRUARY 2021

FLIGHT INSPECTED BY

DANIEL KIRBY

Digitally signed by
WARDELL HENNING
Oct 19, 2020

OFFICE

FICO

DATE

10/13/2020

DEVELOPED BY

WARDELL HENNING (KELLY CARLSON)

Digitally signed by
WARDELL HENNING
Oct 19, 2020

OFFICE

AJV-A432

DATE

06/05/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by
WARDELL HENNING
Oct 19, 2020

OFFICE

AJV-A430

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZDC, PHL APP CON, PHL ATCT, AMGR

CHANGES - REASONS:

AMENDED RWY 17 CLIMB GRADIENT FROM "300-1 OR 460 FT PER NM TO 300" TO "300-1 OR 611 FT PER NM TO 300" - NEW CONTROLLING OBSTACLE IDENTIFIED.

UPDATED TAKE-OFF OBSTACLE NOTES - NEW AIRPORT SURVEY AND OBSTACLE DATA.

AMENDED RWY 17 CONTROLLING OBSTACLE FROM "181 FT MSL SHIP 395147.30N/0751324.90W" TO "190 FT MSL SHIP 395154.18N/0751329.48W" - UPDATED DATA ON COMMODORE BARRY BRIDGE CLEARANCE HEIGHT.

ADDED "RWY 27L, 27R: NONE" TO CONTROLLING OBSTACLES - LISTING ALL DEPARTURE RUNWAYS FOR CONSISTENCY.

AMENDED REMARKS FROM "SHIPS LIMITED TO 181 FEET MSL BY COMMODORE BARRY BRIDGE" TO "SHIPS LIMITED TO 190 FEET MSL BY COMMODORE BARRY BRIDGE" - UPDATED DATA ON COMMODORE BARRY BRIDGE CLEARANCE HEIGHT.

