

**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
CHICAGO O'HARE INTL	KORD	CHICAGO	IL	23	2 DECEMBER 2021

TAKEOFF MINIMUMS:

RWY 22R: NA - ATC

RWY 4L, 4R, 9C, 9L, 9R, 10C, 10L, 10R, 22L, 28C, 28R: STANDARD.

RWY 27L: STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1800.

RWY 27C: STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1800.

RWY 27R: STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1700.

RWY 28L: STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 900, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1300 FEET PRIOR TO DER.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 04L: LIGHTING 6 FT FROM DER, 108 FT RIGHT OF CENTERLINE, 2 FT AGL/649 FT MSL.

POLE 587 FT FROM DER, 614 FT RIGHT OF CENTERLINE, 663 FT MSL.

BUILDING 3275 FT FROM DER, 1320 FT RIGHT OF CENTERLINE, 93 FT AGL/734 FT MSL.

BLDG_TWR 3301 FT FROM DER, 1248 FT RIGHT OF CENTERLINE, 109 FT AGL/750 FT MSL.

TOWER, VEHICLE ON ROAD BEGINNING 3341 FT FROM DER, 1206 FT RIGHT OF CENTERLINE, 107 FT AGL/747 FT MSL.

NOTE: RWY 04R: TREE 809 FT FROM DER, 610 FT RIGHT OF CENTERLINE, 675 FT MSL.

TREES BEGINNING 1108 FT FROM DER, 689 FT RIGHT OF CENTERLINE, UP TO 700 FT MSL.

TREE 1306 FT FROM DER, 823 FT RIGHT OF CENTERLINE, 711 FT MSL.

ANTENNA 4857 FT FROM DER, 1500 FT RIGHT OF CENTERLINE, 777 MSL.

NOTE: RWY 09C: TERRAIN 417 FT FROM DER, 586 FT RIGHT OF CENTERLINE, 666 FT MSL.

NOTE: RWY 09L: BUILDING 2771 FT FROM DER, 1233 FT RIGHT OF CENTERLINE, 94 FT AGL/745 FT MSL.

NOTE: RWY 09R: POLE 1026 FT FROM DER, 754 FT RIGHT OF CENTERLINE, 680 FT MSL.

POLE 1074 FT FROM DER, 775 FT LEFT OF CENTERLINE, 683 FT MSL.

VEHICLE ON ROAD, POLES BEGINNING 1076 FT FROM DER, 775 FT LEFT OF CENTERLINE, UP TO 41 FT AGL/684 FT MSL.

POLES BEGINNING 1171 FT FROM DER, 764 FT RIGHT OF CENTERLINE, UP TO 682 FT MSL.

NOTE: RWY 10C: TOWER 1169 FT FROM DER, 778 FT LEFT OF CENTERLINE, 41 FT AGL/694 FT MSL.

NOTE: RWY 10L: BLDG, SIGN BEGINNING 2517 FT FROM DER, 729 FT RIGHT OF CENTERLINE, 88 FT AGL/732 FT MSL.

TOWER 3958 FT FROM DER, 1287 FT RIGHT OF CENTERLINE, 127 FT AGL/771 FT MSL.

POLE 4388 FT FROM DER, 1585 FT LEFT OF CENTERLINE, 124 FT AGL/762 FT MSL.

ANTENNA 4390 FT FROM DER, 1585 FT LEFT OF CENTERLINE, 125 FT AGL/763 FT MSL.

NOTE: RWY 10R: TREE 2218 FT FROM DER, 1016 FT RIGHT OF CENTERLINE, 714 FT MSL.

TREE 2248 FT FROM DER, 777 FT RIGHT OF CENTERLINE, 716 FT MSL.

TREE 2358 FT FROM DER, 821 FT RIGHT OF CENTERLINE, 717 FT MSL.

TREES BEGINNING 2365 FT FROM DER, 732 FT RIGHT OF CENTERLINE, UP TO 720 FT MSL.

TREES BEGINNING 2415 FT FROM DER, 690 FT RIGHT OF CENTERLINE, UP TO 71 FT AGL/724 FT MSL.

NOTE: RWY 22L: POLE 1301 FT FROM DER, 737 FT RIGHT OF CENTERLINE, 39 FT AGL/694 FT MSL.

NOTE: RWY 27C: TERRAIN 330 FT FROM DER, 577 FT LEFT OF CENTERLINE, 684 FT MSL.

TREE 2426 FT FROM DER, 593 FT LEFT OF CENTERLINE, 737 FT MSL.

TREE 2494 FT FROM DER, 683 FT RIGHT OF CENTERLINE, 88 FT AGL/751 MSL.

NOTE: RWY 27L: TERRAIN 486 FT FROM DER, 593 FT RIGHT OF CENTERLINE, 681 FT MSL.

TERRAIN 779 FT FROM DER, 661 FT RIGHT OF CENTERLINE, 688 FT MSL.

TERRAIN BEGINNING 1177 FT FROM DER, 717 FT LEFT OF CENTERLINE, UP TO 707 FT MSL.

TREE 2426 FT FROM DER, 1013 FT RIGHT OF CENTERLINE, 737 FT MSL.

NOTE: RWY 27R: POLE 1051 FT FROM DER, 739 FT LEFT OF CENTERLINE, 707 FT MSL.

VEHICLE ON ROAD 1071 FT FROM DER, 560 FT RIGHT OF CENTERLINE, 698 FT MSL.

TREE 1248 FT FROM DER, 815 FT RIGHT OF CENTERLINE, 712 FT MSL.

TANK 1509 FT FROM DER, 886 FT LEFT OF CENTERLINE, 56 FT AGL/726 FT MSL.

VEHICLE ON ROAD, ELEVATOR BEGINNING 2777 FT FROM DER, 1019 FT LEFT OF CENTERLINE, UP TO 111 FT AGL/777 FT MSL.

NOTE: RWY 28C: TREE, VEHICLE ON ROAD BEGINNING 2373 FT FROM DER, 1099 FT LEFT OF CENTERLINE, UP TO 737 FT MSL.

TREE 2559 FT FROM DER, 257 FT RIGHT OF CENTERLINE, 737 FT MSL.

TREE, VEHICLE ON ROAD, 2719 FT FROM DER, 1194 FT LEFT OF CENTERLINE, UP TO 80 FT AGL/750 FT MSL.

TREE 3526 FT FROM DER, 695 FT LEFT OF CENTERLINE, 768 FT MSL.

VEHICLE ON ROAD 3538 FT FROM DER, 702 FT LEFT OF CENTERLINE, 97 FT AGL/771 FT MSL.

NOTE: RWY 28L: VEHICLE ON ROAD BEGINNING 590 FT FROM DER, 656 FT LEFT OF CENTERLINE, UP TO 700 FT MSL.

VEHICLE ON ROAD, POLE BEGINNING 1070 FT FROM DER, 697 FT LEFT OF CENTERLINE, UP TO 707 FT MSL.

TREE 1583 FT FROM DER, 803 FT LEFT OF CENTERLINE, 724 FT MSL.

TREE 1608 FT FROM DER, 777 FT LEFT OF CENTERLINE, 727 FT MSL.

TREES BEGINNING 1675 FT FROM DER, 759 FT LEFT OF CENTERLINE, UP TO 728 FT MSL.

TREES BEGINNING 1748 FT FROM DER, 724 FT LEFT OF CENTERLINE, UP TO 732 FT MSL.

TREES BEGINNING 1911 FT FROM DER, 788 FT LEFT OF CENTERLINE, UP TO 79 FT AGL/751 FT MSL.

QUALITY
5
CHECKED

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TREE, VEHICLES ON ROAD BEGINNING 2552 FT FROM DER, 717 FT LEFT OF CENTERLINE, UP TO 758 FT MSL.

TANK 5893 FT FROM DER, 740 FT RIGHT OF CENTERLINE, 167 AGL/834 MSL.

NOTE: RWY 28R: TREE 2559 FT FROM DER, 942 FT LEFT OF CENTERLINE, 737 FT MSL.

CONTROLLING OBSTACLES:

RWY 27L: 1468 FT MSL TOWER 420042.49N/0880206.93W.

RWY 27C: 1468 FT MSL TOWER 420042.49N/0880206.93W.

RWY 27R: 1468 FT MSL TOWER 420042.49N/0880206.93W.

RWY 28L: 834 FT MSL TANK 415733.10N/0875658.33W.

REMARKS:

1. DEPARTURE ROUTES THAT WOULD AUTHORIZE STANDARD TAKEOFF MINIMUMS WITH A 200 FT PER NM CLIMB GRADIENT AND MEET ATC FLOW REQUIREMENTS CAN NOT BE CONSTRUCTED FOR RWY 27C, 27R AND 28L. NON-STANDARD CLIMB GRADIENTS PUBLISHED TO MITIGATE 40:1 PENETRATIONS PER ATC REQUEST.

2. VCOA NOT ESTABLISHED AT ATC REQUEST DUE TO TRAFFIC VOLUME AND COMPLEXITY.

3. AIRBUS 380 (80 FT AGL) USED AS WORST CASE FOR AIRCRAFT ON TAXIWAYS.

FLIGHT INSPECTED BY

DONALD MCGOUGH

Digitally signed by

JOHN BORDY

Aug 02, 2021

OFFICE

FICO

DATE

07/30/2021

DEVELOPED BY

WILLIAM D. MELTON

Digitally signed by

WILLIAM D MELTON

Jul 21, 2021

OFFICE

AJV-A422

DATE

06/30/2021

APPROVED BY

MARLON J. ROBINSON

Digitally signed by

JOHN BORDY

Aug 02, 2021

OFFICE

AJV-A420

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZAU, ORD APP CON, ORD ATCT, AMGR

CHANGES - REASONS:

1. TAKEOFF MINIMUMS UPDATED: RWY 27L FROM STANDARD TO STANDARD WITH MINIMUM CLIMB OF 220 FT PER NM TO 1800 - NEW OBSTACLE DUE TO THRESHOLD MOVE.

2. ADDED RWY 27L CONTROLLING OBSTACLE: 1468 FT MSL TOWER 420042.49N/0880206.93W.

3. TAKEOFF OBSTACLE NOTES WERE ADDED/UPDATED - NEW SURVEY DATED 1/25/2021 PUBLISHED 4/20/2021.

4. CHANGED REMARK 2 FROM ATC REQUESTS TO OPT OUT OF VCOA REQUIREMENT DUE TO TRAFFIC VOLUME AND COMPLEXITY TO VCOA NOT ESTABLISHED AT ATC REQUEST DUE TO TRAFFIC VOLUME AND COMPLEXITY - ELIMINATE POSSIBLE CONFUSION ON THE VCOA STATUS.

