

**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 ID</u>	<u>CITY</u>	<u>STATE</u>	<u>AMDT NO</u>	<u>ACTUAL EFFECTIVE DATE</u>
KAMT	WEST UNION	OH	2	16 MAY 2024

TAKEOFF MINIMUMS:

RWY 5: 300-1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 462 FT/NM TO 1200.
RWY 23: 300-2 1/4.

TEXTUAL DEPARTURE PROCEDURES:

RWY 23: CLIMB ON HEADING 229.14 TO 1400 BEFORE TURNING RIGHT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5: TREES BEGINNING 120 FT FROM DER, 36 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/996 FT MSL.
TREES BEGINNING 166 FT FROM DER, 10 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/999 FT MSL.
TREE 1741 FT FROM DER, 775 FT LEFT OF CENTERLINE, 100 FT AGL/1003 FT MSL.
TREE 1817 FT FROM DER, 156 FT RIGHT OF CENTERLINE, 100 FT AGL/1003 FT MSL.
TREE 1863 FT FROM DER, 226 FT LEFT OF CENTERLINE, 100 FT AGL/1006 FT MSL.
TREES BEGINNING 1909 FT FROM DER, 608 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1009 FT MSL.
TREES BEGINNING 1940 FT FROM DER, 323 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1013 FT MSL.
TREE 2031 FT FROM DER, 58 FT LEFT OF CENTERLINE, 100 FT AGL/1013 FT MSL.
TREES BEGINNING 2077 FT FROM DER, 441 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1019 FT MSL.
TREE 2108 FT FROM DER, 873 FT RIGHT OF CENTERLINE, 100 FT AGL/1016 FT MSL.
TREES BEGINNING 2154 FT FROM DER, 108 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1019 FT MSL.
TREES BEGINNING 2245 FT FROM DER, 106 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1022 FT MSL.
TREES BEGINNING 2322 FT FROM DER, 276 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1026 FT MSL.
TREES BEGINNING 2459 FT FROM DER, 489 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1029 FT MSL.
TREES BEGINNING 2536 FT FROM DER, 60 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1029 FT MSL.
TREES BEGINNING 2628 FT FROM DER, 321 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1036 FT MSL.
TREES BEGINNING 2750 FT FROM DER, 228 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1032 FT MSL.
TREES BEGINNING 2796 FT FROM DER, 154 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1039 FT MSL.
TREE 2918 FT FROM DER, 395 FT RIGHT OF CENTERLINE, 100 FT AGL/1052 FT MSL.
TREES BEGINNING 2964 FT FROM DER, 13 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1055 FT MSL.
TREES BEGINNING 3010 FT FROM DER, 34 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1055 FT MSL.
TREES BEGINNING 3132 FT FROM DER, 132 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1059 FT MSL.
TREES BEGINNING 1 NM FROM DER, 1015 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1068 FT MSL.
TREES BEGINNING 1 NM FROM DER, 1064 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1081 FT MSL.
TREES BEGINNING 1.1 NM FROM DER, 849 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1085 FT MSL.
TREES BEGINNING 1.1 NM FROM DER, 2162 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1075 FT MSL.

NOTE: RWY 23: TREES BEGINNING 7 FT FROM DER, 59 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/993 FT MSL.
TREES BEGINNING 98 FT FROM DER, 107 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/990 FT MSL.
TREES BEGINNING 481 FT FROM DER, 155 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/993 FT MSL.
TREE 817 FT FROM DER, 12 FT RIGHT OF CENTERLINE, 100 FT AGL/996 FT MSL.
TREES BEGINNING 939 FT FROM DER, 179 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/999 FT MSL.
TREES BEGINNING 1031 FT FROM DER, 203 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/996 FT MSL.
TREES BEGINNING 1108 FT FROM DER, 346 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1003 FT MSL.
TREES BEGINNING 1199 FT FROM DER, 35 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/999 FT MSL.
TREES BEGINNING 1322 FT FROM DER, 131 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1009 FT MSL.
TREES BEGINNING 1490 FT FROM DER, 299 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1019 FT MSL.
TREES BEGINNING 1582 FT FROM DER, 83 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1006 FT MSL.
TREES BEGINNING 1658 FT FROM DER, 84 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1045 FT MSL.
TREES BEGINNING 1796 FT FROM DER, 298 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1009 FT MSL.
TREES BEGINNING 1872 FT FROM DER, 251 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1068 FT MSL.
TREES BEGINNING 1964 FT FROM DER, 130 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1022 FT MSL.
TREES BEGINNING 2041 FT FROM DER, 36 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1101 FT MSL.
TREES BEGINNING 2178 FT FROM DER, 346 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1036 FT MSL.
TREES BEGINNING 2209 FT FROM DER, 203 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1124 FT MSL.
TREES BEGINNING 2346 FT FROM DER, 178 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1045 FT MSL.
TREE 2377 FT FROM DER, 1136 FT RIGHT OF CENTERLINE, 100 FT AGL/1131 FT MSL.
TREES BEGINNING 2423 FT FROM DER, 371 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1150 FT MSL.
TREES BEGINNING 2515 FT FROM DER, 11 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1055 FT MSL.
TREES BEGINNING 2591 FT FROM DER, 156 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1170 FT MSL.
TREES BEGINNING 2759 FT FROM DER, 323 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1173 FT MSL.
TREES, TRANSMISSION LINE BEGINNING 2928 FT FROM DER, 13 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1180 FT MSL.
TREES BEGINNING 4809 FT FROM DER, 297 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1059 FT MSL.
TREES BEGINNING 4977 FT FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1068 FT MSL.



TREES BEGINNING 1.7 NM FROM DER, 2002 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1167 FT MSL.

CONTROLLING OBSTACLES:

RWY 5: 1101 FT MSL TREE 385224.00N/0833300.00W (CEILING) (VISIBILITY), 1055 FT MSL TREE 385139.00N/0833315.00W (CLIMB GRADIENT) (CLIMB-TO ALTITUDE).

RWY 23: 1167 FT MSL TREE 384957.00N/0833609.00W (CEILING) (VISIBILITY).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 23: 1452 FT MSL TOWER 385126.00N/0833637.00W.

REMARKS:

VEGETATION HEIGHT 100 FEET.

Digitally signed by

FLIGHT INSPECTED BY

ALLAN WILL

OFFICE

DATE

DAVIN C OBRIEN

Mar 29, 2024

FPO

03/27/2024

Digitally signed by

DEVELOPED BY

ALLAN WILL

OFFICE

DATE

ALLAN WILL (DANIEL C JOHNSEN)

Mar 29, 2024

AJV-A423

10/05/2023

APPROVED BY

ALLAN WILL

Digitally signed by

ALLAN WILL

OFFICE

AJV-A423

DATE

05/16/2024

TITLE

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒

OTHER: ZID, AMGR

CHANGES - REASONS:

1. CHANGED RWY 5 TAKEOFF MINIMUMS FROM "300-1" TO "300-1 1/2 OR STANDARD WITH A MINIMUM CLIMB OF 462 FT/NM TO 1200" -- NEW CONTROLLING OBSTACLES.
2. CHANGED RWY 23 TAKEOFF MINIMUMS FROM "300-1" TO "300-2 1/4" -- NEW CONTROLLING OBSTACLE.
3. CHANGED TEXTUAL DEPARTURE FROM "RWY 5, 23: CLIMB STRAIGHT AHEAD TO 1700 BEFORE TURNING WEST" TO "RWY 23: CLIMB ON HEADING 229.14 TO 1400 BEFORE TURNING RIGHT" -- NO OBSTACLES REQUIRING ROUTE DEVELOPMENT FOR RWY 5; UPDATED IAW 8260.46J, 2-1-1.G(1).
4. UPDATED TAKEOFF OBSTACLE NOTES -- NEW SURVEY DATA.
5. ADDED RWY 5 AND RWY 23 CONTROLLING OBSTACLES -- NEW CONTROLLING OBSTACLES.
6. UPDATED OBSTACLES REQUIRING ODP ROUTE DEVELOPMENT FROM "1335 TOWER 385136/833642" TO "1452 FT MSL TOWER 385126.00N/0833637.00W" -- NEW SURVEY DATA.

