

**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>
TRI-STATE STEUBEN COUNTY	KANQ	ANGOLA	IN	1	31 DECEMBER 2020

**TAKEOFF MINIMUMS:**

RWY 23: STANDARD.

RWY 5: 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 360 FT PER NM TO 1300.

**TEXTUAL DEPARTURE PROCEDURES:**

**VISUAL CLIMB OVER AIRPORT:**

**TAKEOFF OBSTACLE NOTES:**

NOTE: RWY 05, FENCE, TERRAIN BEGINNING 8 FT FROM DER, 268 FT LEFT OF CENTERLINE, UP TO 6 FT AGL/1003 FT MSL.

TREE 9 FT FROM DER, 460 FT RIGHT OF CENTERLINE, 1036 FT MSL.

TREES BEGINNING 170 FT FROM DER, 335 FT LEFT OF CENTERLINE, UP TO 1027 FT MSL.

TREES BEGINNING 237 FT FROM DER, 88 FT RIGHT OF CENTERLINE, UP TO 1048 FT MSL.

TREES BEGINNING 655 FT FROM DER, 292 FT RIGHT OF CENTERLINE, UP TO 1075 FT MSL.

TREES BEGINNING 845 FT FROM DER, 398 FT LEFT OF CENTERLINE, UP TO 1034 FT MSL.

TREE 1013 FT FROM DER, 671 FT LEFT OF CENTERLINE, 1040 FT MSL.

TREES BEGINNING 1092 FT FROM DER, 585 FT LEFT OF CENTERLINE, UP TO 1074 FT MSL.

TREE 1312 FT FROM DER, 800 FT RIGHT OF CENTERLINE, 1078 FT MSL.

TREES BEGINNING 1397 FT FROM DER, 148 FT RIGHT OF CENTERLINE, UP TO 1097 FT MSL.

TREES BEGINNING 1709 FT FROM DER, 257 FT LEFT OF CENTERLINE, UP TO 1076 FT MSL.

TREE 1739 FT FROM DER, 928 FT RIGHT OF CENTERLINE, 1098 FT MSL.

TREES, BUILDINGS, POLE BEGINNING 1740 FT FROM DER, 202 FT RIGHT OF CENTERLINE, UP TO 1099 FT MSL.

TREES BEGINNING 1828 FT FROM DER, 35 FT LEFT OF CENTERLINE, UP TO 1079 FT MSL.

TREES, POLES, BUILDINGS, CATENARY BEGINNING 1895 FT FROM DER, 18 FT RIGHT OF CENTERLINE, UP TO 1103 FT MSL.

TREES, FENCE, TERRAIN, POLE BEGINNING 1984 FT FROM DER, 14 FT LEFT OF CENTERLINE, UP TO 1106 FT MSL.

TREES, FENCE, POLES, TERRAIN, BUILDINGS, VEHICLES ON TRAVERSE WAY BEGINNING 2205 FT FROM DER, 1 FT LEFT OF CENTERLINE, UP TO 1122 FT MSL.

TREES, BUILDINGS, TERRAIN, FENCE, TOWER, POLES, GENERAL UTILITY BEGINNING 2628 FT FROM DER, 77 FT LEFT OF CENTERLINE, UP TO 1130 FT MSL.

TREES, POLE, TERRAIN, FENCE BEGINNING 2927 FT FROM DER, 113 FT LEFT OF CENTERLINE, UP TO 1141 FT MSL.

TREE 3495 FT FROM DER, 459 FT RIGHT OF CENTERLINE, UP TO 1125 FT MSL.

TREES BEGINNING 3582 FT FROM DER, 366 FT RIGHT OF CENTERLINE, UP TO 1134 FT MSL.

TREES BEGINNING 3659 FT FROM DER, 652 FT RIGHT OF CENTERLINE, UP TO 1140 FT MSL.

TREES BEGINNING 3679 FT FROM DER, 117 FT RIGHT OF CENTERLINE, UP TO 1141 FT MSL.

TREES, FENCE, TERRAIN, BEGINNING 3724 FT FROM DER, 218 FT LEFT OF CENTERLINE, UP TO 1147 FT MSL.

TREES, FENCE, TERRAIN, BUILDINGS BEGINNING 3819 FT FROM DER, 30 FT LEFT OF CENTERLINE, UP TO 1164 FT MSL.

TREES BEGINNING 3838 FT FROM DER, 22 FT RIGHT OF CENTERLINE, UP TO 1154 FT MSL.

TREES BEGINNING 4029 FT FROM DER, ABEAM CENTERLINE, UP TO 1160 FT MSL.

TREES BEGINNING 5636 FT FROM DER, 50 FT LEFT OF CENTERLINE, UP TO 1173 FT MSL.

TREES BEGINNING 5721 FT FROM DER, 108 FT LEFT OF CENTERLINE, UP TO 1181 FT MSL.

TREES BEGINNING 5832 FT FROM DER, 66 FT LEFT OF CENTERLINE, UP TO 1194 FT MSL.

TREE 6072 FT FROM DER, 522 FT LEFT OF CENTERLINE, 1171 FT MSL.

NOTE: RWY 23, VEHICLES ON TRAVERSE WAY BEGINNING 71 FT FROM DER, 343 FT LEFT OF CENTERLINE, 998 FT MSL.

VEHICLES ON TRAVERSE WAY BEGINNING 114 FT FROM DER, 317 FT RIGHT OF CENTERLINE, UP TO 1001 FT MSL.

BUILDING 121 FT FROM DER, 456 FT LEFT OF CENTERLINE, 22 FT AGL/1003 FT MSL.

BUILDING, VEHICLES ON TRAVERSE WAY BEGINNING 172 FT FROM DER, 229 FT LEFT OF CENTERLINE, UP TO 28 FT AGL/1012 FT MSL.

TREES, VEHICLES ON TRAVERSE WAY, TERRAIN BEGINNING 245 FT FROM DER, 7 FT LEFT OF CENTERLINE, UP TO 1029 FT MSL.

TREES BEGINNING 270 FT FROM DER, 374 FT RIGHT OF CENTERLINE, UP TO 1002 FT MSL.

TREES BEGINNING 497 FT FROM DER, 149 FT RIGHT OF CENTERLINE, UP TO 1013 FT MSL.

TREE 631 FT FROM DER, 224 FT RIGHT OF CENTERLINE, 1018 FT MSL.

TREES BEGINNING 632 FT FROM DER, 78 FT RIGHT OF CENTERLINE, UP TO 1023 FT MSL.

TREES, POLES, TERRAIN BEGINNING 730 FT FROM DER, 74 FT RIGHT OF CENTERLINE, UP TO 1053 FT MSL.

TERRAIN BEGINNING 900 FT FROM DER, 10 FT LEFT OF CENTERLINE, UP TO 1031 FT MSL.



TREE 1331 FT FROM DER, 104 FT LEFT OF CENTERLINE, 1034 FT MSL.  
 TREE 1338 FT FROM DER, 18 FT LEFT OF CENTERLINE, 1036 FT MSL.  
 TREES BEGINNING 1565 FT FROM DER, ABEAM CENTERLINE, UP TO 1061 FT MSL.  
 TREE 1623 FT FROM DER, 221 FT LEFT OF CENTERLINE, 1041 FT MSL.  
 TREES BEGINNING 1682 FT FROM DER, 283 FT LEFT OF CENTERLINE, UP TO 1042 FT MSL.  
 TREE 1818 FT FROM DER, 367 FT LEFT OF CENTERLINE, 1053 FT MSL.  
 TREES BEGINNING 1885 FT FROM DER, 2 FT LEFT OF CENTERLINE, UP TO 1065 FT MSL.  
 TREES BEGINNING 2188 FT FROM DER, 629 FT LEFT OF CENTERLINE, UP TO 1067 FT MSL.  
 TREES BEGINNING 2355 FT FROM DER, 621 FT LEFT OF CENTERLINE, UP TO 1072 FT MSL.  
 TREES BEGINNING 2823 FT FROM DER, 37 FT LEFT OF CENTERLINE, UP TO 1082 FT MSL.  
 TREES BEGINNING 3045 FT FROM DER, 35 FT LEFT OF CENTERLINE, UP TO 1092 FT MSL.  
 TREES BEGINNING 3053 FT FROM DER, 89 FT RIGHT OF CENTERLINE, UP TO 1084 FT MSL.

**CONTROLLING OBSTACLES:**

RWY 5: 1164 FT MSL TREE 413910.44N/0850409.91W (CLIMB GRADIENT/CLIMB-TO ALTITUDE).  
 RWY 5: 1171 FT MSL TREE 413922.87N/0850344.80W (VISIBILITY).  
 RWY 5: 1194 FT MSL TREE 413922.97N/0850349.24W (CEILING).

**REMARKS:**

**FLIGHT INSPECTED BY**

BRYAN VEIT

*Digitally signed by*  
**MARK D ADAMS**  
 Oct 19, 2020

**OFFICE**

FICO

**DATE**

10/18/2020

**DEVELOPED BY**

DEANNA M. FIELDS

*Digitally signed by*  
**DEANNA M FIELDS**  
 Aug 07, 2020

**OFFICE**

AJV-A412

**DATE**

08/07/2020

**APPROVED BY**

JULIE MORGAN

*Digitally signed by*  
**MARK D ADAMS**  
 Oct 19, 2020

**OFFICE**

AJV-A410

**DATE**

**TITLE**  
 MANAGER

**REQUIRED EFFECTIVE DATE:**

ROUTINE

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** AMGR, ZUA ARTCC, FWA ATCT

**CHANGES - REASONS:**

1. CHANGED RWY 5 TAKEOFF MINIMUMS FROM "STANDARD" TO "300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 360 FT PER NM TO 1300" - AS A RESULT OF PERIODIC REVIEW, IDENTIFIED RWY 5 OIS PENETRATIONS WHICH REQUIRE CEILING AND VISIBILITY REQUIREMENTS OR IMPLEMENTATION OF STANDARD TAKEOFF MINIMUMS WITH CLIMB GRADIENT/CLIMB-TO ALTITUDE TO MITIGATE OBST.
2. ADDED RWY 5/23 TAKEOFF OBSTACLE NOTES - CURRENT OBSTACLE DATA.
3. ADDED RWY 5 CONTROLLING OBSTACLES FOR CLIMB GRADIENT/CLIMB-TO ALTITUDE/CEILING/VISIBILITY - CURRENT OBSTACLE DATA.

