

**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>
KSAT	SAN ANTONIO	TX	1B	

TAKEOFF MINIMUMS:

RWY 4, 13L, 13R, 22, 31L, 31R: STANDARD.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 4: TREE 399 FT FROM DER, 604 FT LEFT OF CENTERLINE, 777 FT MSL.

NOTE: RWY 13R: SIGN 43 FT FROM DER, 256 FT RIGHT OF CENTERLINE, 3 FT AGL/781 FT MSL. ANTENNA 1012 FT FROM DER, 729 FT RIGHT OF CENTERLINE, 43 FT AGL/814 FT MSL. TOWER 1034 FT FROM DER, 722 FT RIGHT OF CENTERLINE, 50 FT AGL/820 FT MSL. BUILDING 3802 FT FROM DER, 1487 FT RIGHT OF CENTERLINE, 117 FT AGL/881 FT MSL.

NOTE: RWY 22: POLE 9 FT FROM DER, 4 FT RIGHT OF CENTERLINE, 1 FT AGL/787 FT MSL. POLE 10 FT FROM DER, 5 FT LEFT OF CENTERLINE, 1 FT AGL/787 FT MSL. BUILDING, POLE BEGINNING 1198 FT FROM DER, 700 FT RIGHT OF CENTERLINE, UP TO 33 FT AGL/825 FT MSL. POLE 2153 FT FROM DER, 937 FT RIGHT OF CENTERLINE, 22 FT AGL/840 FT MSL. POLE 2209 FT FROM DER, 1041 FT RIGHT OF CENTERLINE, 21 FT AGL/847 FT MSL. POLE 2276 FT FROM DER, 1086 FT RIGHT OF CENTERLINE, 20 FT AGL/849 FT MSL. SIGN 2713 FT FROM DER, 1034 FT RIGHT OF CENTERLINE, 75 FT AGL/857 FT MSL. POLES BEGINNING 3080 FT FROM DER, 1236 FT RIGHT OF CENTERLINE, UP TO 23 FT AGL/869 FT MSL.

NOTE: RWY 31L: LIGHTING 10 FT FROM DER, 128 FT RIGHT OF CENTERLINE, 2 FT AGL/810 FT MSL. NAVAID 11 FT FROM DER, 5 FT LEFT OF CENTERLINE, 1 FT AGL/810 FT MSL. VEHICLE ON ROAD 188 FT FROM DER, 474 FT RIGHT OF CENTERLINE, 815 FT MSL. POLE 1931 FT FROM DER, 910 FT LEFT OF CENTERLINE, 38 FT AGL/867 FT MSL. POLE 2357 FT FROM DER, 913 FT LEFT OF CENTERLINE, 37 FT AGL/874 FT MSL. SIGN 2435 FT FROM DER, 1042 FT RIGHT OF CENTERLINE, 61 FT AGL/873 FT MSL. TOWER 2767 FT FROM DER, 833 FT LEFT OF CENTERLINE, 45 FT AGL/891 FT MSL. POLE 3127 FT FROM DER, 1140 FT LEFT OF CENTERLINE, 42 FT AGL/892 FT MSL.

NOTE: RWY 31R: LIGHTING 10 FT FROM DER, 92 FT RIGHT OF CENTERLINE, 4 FT AGL/798 FT MSL. SIGN 60 FT FROM DER, 204 FT LEFT OF CENTERLINE, 3 FT AGL/799 FT MSL. UTILITY BUILDING, NAVAID BEGINNING 62 FT FROM DER, 187 FT LEFT OF CENTERLINE, UP TO 6 FT AGL/802 FT MSL. TOWER, ANTENNA BEGINNING 1260 FT FROM DER, 590 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/854 FT MSL.

CONTROLLING OBSTACLES:

REMARKS:

FLIGHT INSPECTED BY

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION

OFFICE

DATE

Digitally signed by

CASIMIR L TABAKA

DEVELOPED BY

JON NEIDIGH

Digitally signed by

JON M NEIDIGH

Jun 04, 2024

Jun 06, 2024

OFFICE

AJV-A432

DATE

04/30/2024

APPROVED BY

CASIMIR L. TABAKA

Digitally signed by

CASIMIR L TABAKA

Jun 06, 2024

OFFICE

AJV-A432

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE:

ROUTINE

COORDINATED WITH:

A4A ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHU, SAT DEP CON, SAT ATCT, AMGR, STATE AVIATION DIRECTOR

CHANGES - REASONS:

1. CHANGED TAKEOFF MINIMUMS FROM "STANDARD" TO "RWY 4, 13L, 13R, 22, 31L, 31R: STANDARD" - 8260.46J APPENDIX D, SECTION 1, 2.E.2.
2. UPDATED TAKEOFF OBSTACLE NOTES - NEW OBSTACLE SURVEY DATA
3. REMOVED REFERENCE MAG VAR REMARK - NOT REQUIRED IN CURRENT CRITERIA

