

**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.

CITY, STATE	AIRPORT	EFFECTIVE DATE	AMDT NO
ST. JOSEPH, MO	ROSECRANS MEMORIAL	1 FEBRUARY 2018	8

TAKEOFF MINIMUMS:

RWY 13, 17, 35: STANDARD.

RWY 31: 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 340 FEET PER NM TO 1300.

TEXTUAL DEPARTURE PROCEDURES:

RWY 13: CLIMB HEADING 131.72 TO 1600 BEFORE TURNING LEFT.

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 13: ELECTRICAL SYSTEM 3 FT FROM DER, 47 FT LEFT OF CENTERLINE, 2 FT AGL/813 FT MSL. TREES BEGINNING 66 FT FROM DER, 456 FT RIGHT OF CENTERLINE, UP TO 817 FT MSL. TREE 2056 FT FROM DER, 231 FT LEFT OF CENTERLINE, 863 FT MSL. TOWER 2247 FT FROM DER, 1075 FT LEFT OF CENTERLINE, 61 FT AGL/870 FT MSL. TREE 3088 FT FROM DER, 1028 FT LEFT OF CENTERLINE, 889 FT MSL. TREE 3495 FT FROM DER, 1434 FT RIGHT OF CENTERLINE, 914 FT MSL.

NOTE: RWY 17: NAVAID 56 FT FROM DER, 115 FT RIGHT OF CENTERLINE, 7 FT AGL/817 FT MSL. NAVAID 57 FT FROM DER, 115 FT LEFT OF CENTERLINE, 5 FT AGL/816 FT MSL. TREES BEGINNING 870 FT FROM DER, 627 FT RIGHT OF CENTERLINE, UP TO 897 FT MSL. TREE 880 FT FROM DER, 657 FT LEFT OF CENTERLINE, 852 FT MSL. TREES BEGINNING 2689 FT FROM DER, 760 FT LEFT OF CENTERLINE, UP TO 915 FT MSL. TREE 2769 FT FROM DER, 1216 FT RIGHT OF CENTERLINE, 900 FT MSL. TREES BEGINNING 2773 FT FROM DER, 1019 FT RIGHT OF CENTERLINE, UP TO 920 FT MSL.

NOTE: RWY 31: ELECTRICAL SYSTEM 11 FT FROM DER, 1 FT RIGHT OF CENTERLINE, 2 FT AGL/813 FT MSL. TREE 401 FT FROM DER, 491 FT RIGHT OF CENTERLINE, 840 FT MSL. TREES BEGINNING 916 FT FROM DER, 301 FT RIGHT OF CENTERLINE, UP TO 848 FT MSL. TREE 2542 FT FROM DER, 1173 FT LEFT OF CENTERLINE, 899 FT MSL. TREES BEGINNING 4061 FT FROM DER, 1132 FT LEFT OF CENTERLINE, UP TO 927 FT MSL. TREES BEGINNING 5143 FT FROM DER, 1689 FT LEFT OF CENTERLINE, UP TO 954 FT MSL. TREES AND TERRAIN BEGINNING 5260 FT FROM DER, 675 FT LEFT OF CENTERLINE, UP TO 1037 FT MSL. TREES AND TERRAIN BEGINNING 1 NM FROM DER, 499 FT LEFT OF CENTERLINE, UP TO 1047 FT MSL. TREE 1 NM FROM DER, 1090 FT LEFT OF CENTERLINE, 1057 FT MSL. TREES AND TERRAIN BEGINNING 1 NM FROM DER, 464 FT LEFT OF CENTERLINE, UP TO 1072 FT MSL. TREES, TERRAIN, WINDMILL AND POLE BEGINNING 1.1 NM FROM DER, 9 FT LEFT OF CENTERLINE, UP TO 1095 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 23 FT RIGHT OF CENTERLINE, UP TO 1029 FT MSL. TREES BEGINNING 1.2 NM FROM DER, 57 FT RIGHT OF CENTERLINE, UP TO 1044 FT MSL.

NOTE: RWY 35: NAVAIDS BEGINNING 40 FT FROM DER, 150 FT LEFT OF CENTERLINE, UP TO 9 FT AGL/832 FT MSL. NAVAIDS BEGINNING 41 FT FROM DER, 150 FT RIGHT OF CENTERLINE, UP TO 10 FT AGL/833 FT MSL. TREES BEGINNING 1742 FT FROM DER, 613 FT RIGHT OF CENTERLINE, UP TO 876 FT MSL.

CONTROLLING OBSTACLES:

RWY 31: 1095 FT MSL TREE 394706.93N/ 0945623.27W (CLIMB GRADIENT, CLIMB GRADIENT TERMINATION ALTITUDE), 1149 FT MSL TREE 394722.92N/0945718.06W (CEILING, VISIBILITY).

OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: **RWY 13:** 1792 FT MSL TOWER 394612.00N/0944755.00W.

REMARKS:



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ST. JOSEPH, MO	ROSECRANS MEMORIAL	1 FEBRUARY 2018	8

<u>FLIGHT INSPECTED BY:</u>	<i>Digitally signed by</i> ADOLFO D URRUTIA Nov 27, 2017	<u>OFFICE SYMBOL:</u> FICO	<u>DATE:</u> 11/21/17
MATTHEW OLSTAD			

<u>DEVELOPED BY:</u>	<i>Digitally signed by</i> ADOLFO D URRUTIA Nov 27, 2017	<u>OFFICE SYMBOL:</u> AJV-5433	<u>DATE:</u> 08/01/2017
BEV BORDY (CHRISTINE BAYSE)			

<u>APPROVED BY:</u>	<i>Digitally signed by</i> ADOLFO D URRUTIA Nov 27, 2017	<u>OFFICE SYMBOL:</u> AJV-5430	<u>DATE:</u>
PATRICK MULQUEEN			

REQUIRED EFFECTIVE DATE:
ROUTINE

COORDINATED WITH:

<u>A4A</u>	<u>ALPA</u>	<u>AOPA</u>	<u>APA</u>	<u>HAI</u>	<u>NBAA</u>
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OTHER:
MCI APP CON, MKC ATCT, CENTRAL FPT.

CHANGES - REASONS:

1. UPDATED RWY 31 TAKEOFF MINIMUMS FROM "400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 336 FEET PER NM TO 1200" TO "400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 340 FEET PER NM TO 1300".- TARGETS CALCULATIONS PLUS ROUNDING.
2. UPDATED TAKEOFF OBSTACLE NOTES.-NEW OBSTACLES.

