

U.S. DEPARTMENT OF TRANSPORTATION – FEDERAL AVIATION ADMINISTRATION
TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)

Bearings, headings, courses, tracks and radials are magnetic. Elevation 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.
GRAIN VALLEY, MO	EAST KANSAS CITY	13 NOVEMBER 2014	ORIG

TAKEOFF MINIMUMS:

RWY 5, STANDARD

RWY 9, 300- 1 1/2 OR STANDARD WITH MINIMUM CLIMB OF 225 FT PER NM TO 1200 OR ALTERNATIVELY, WITH STANDARD TAKE OFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 1900 FT PRIOR TO DER.

RWY 23, 300- 1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 363 FT PER NM TO 1100.

RWY 27, 300- 1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 301 FT PER NM TO 1100.

TEXTUAL DEPARTURE PROCEDURES:

VISUAL CLIMB OVER AIRPORT:

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 5, VEHICLES BEGINNING 27 FT FROM DER, 208 FT LEFT OF CENTERLINE, UP TO 15 FT AGL/854 FT MSL. HANGARS BEGINNING 42 FT FROM DER, 261 FT RIGHT OF CENTERLINE, UP TO 24 FT AGL/873 FT MSL. TREES BEGINNING 1 FT FROM DER, 208 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/939 FT MSL. TREES BEGINNING 537 FT FROM DER, 554 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/939 FT MSL.

NOTE: RWY 9, VEHICLES BEGINNING 2 FT FROM DER, 175 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/825 FT MSL. TRAIN BEGINNING 6 FT FROM DER, 203 FT RIGHT OF CENTERLINE, UP TO 23 FT AGL/833 FT MSL. TREES BEGINNING 7 FT FROM DER, 320 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/920 FT MSL. TREES BEGINNING 12 FT FROM DER, 354 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1040 FT MSL.

NOTE: RWY 23, HANGARS BEGINNING 16 FT FROM DER, 432 FT RIGHT OF CENTERLINE, UP TO 24 FT AGL/863 FT MSL. TREES BEGINNING 35 FT FROM DER, 271 FT LEFT SIDE OF CENTERLINE, UP TO 100 FT AGL/919 FT MSL. TREES BEGINNING 1931 FT FROM DER, 796 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/919 FT MSL. TREES BEGINNING 3501 FT FROM DER, 1335 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1020 FT MSL. TREES BEGINNING 1.1 NM FROM DER, 150 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1000 FT MSL. TREES BEGINNING 1.12 NM FROM DER, 351 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/1050 FT MSL.

NOTE: RWY 27, TREES BEGINNING 34 FT FROM DER, 458 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/919 FT MSL. VEHICLES BEGINNING 26 FT FROM DER, 145 FT RIGHT OF CENTERLINE, UP TO 15 FT AGL/854 FT MSL. TREES BEGINNING 2148 FT FROM DER, 687 FT LEFT OF CENTERLINE, UP TO 100 FT AGL/949 FT MSL. TREES BEGINNING 4410 FT FROM DER, 357 FT RIGHT OF CENTERLINE, UP TO 100 FT AGL/1050 FT MSL.

CONTROLLING OBSTACLES:

RWY 9, 1040 FT MSL TREE 390033.69N-0941048.95W

RWY 23, 1020 FT MSL TREE 390014.59N-0941336.31W, 1050 FT MSL TREE 385952.42N-0941407.19W

RWY 27, 989 FT MSL TREE 390059.58N-0941422.66W, 1050 FT MSL TREE 390118.52N-0941516.16W



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REMARKS:

FLIGHT INSPECTED BY:

Christopher Foreman

Ken [Signature]
8/27/14

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY:

JILL OLSON (ALLISON FOSTER)

JOL [Signature]
AJV-353 5/06/2014

APPROVED BY:

GEORGE GONZALEZ

[Signature]
AJV-353

SEP 15 2014

COORDINATED WITH:

ALPA, AOPA, NBAA, ZKC, MCI APP CON, MKC ATCT, APT MNGR.

CHANGES:

ORIG

REASONS:

