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.
KANSAS CITY, MO	CHARLES B. WHEELER DOWNTOWN		3A

TAKEOFF MINIMUMS:

RWY 3: STANDARD
RWY 1: 400-2 ¼ OR STANDARD WITH MINIMUM CLIMB OF 307 FT PER NM TO 1100.
RWY 19: STANDARD WITH MINIMUM CLIMB OF 400 FT PER NM TO 2500.
RWY 21: STANDARD WITH MINIMUM CLIMB OF 251 FT PER NM TO 1700.

TEXTUAL DEPARTURE PROCEDURES:

RWY 1: CLIMB HEADING 007.68 TO 2000 BEFORE PROCEEDING ON COURSE.
RWY 3: CLIMB HEADING 033.44 TO 1900 BEFORE PROCEEDING ON COURSE.
RWY 19: CLIMBING RIGHT TURN HEADING 215.00 TO 2500 BEFORE PROCEEDING ON COURSE.
RWY 21: CLIMB HEADING 213.44 TO 2300 BEFORE PROCEEDING ON COURSE.

TAKEOFF OBSTACLE NOTES:

NOTE: RWY 1, TREES BEGINNING 35 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 80 FT AGL/997 FT MSL. ROADS AND VEHICLES ON ROADWAY BEGINNING 88 FT FROM DER, 135 FT LEFT OF CENTERLINE, UP TO 17 FT AGL/767 FT MSL. AIRCRAFT ON TAXIWAY BEGINNING 136 FT FROM DER, 420 FT RIGHT OF CENTERLINE, UP TO 56 FT AGL/805 FT MSL. BOATS BEGINNING 200 FT FROM DER, 518 FT LEFT OF CENTERLINE, UP TO 35 FT AGL/774 FT MSL. OBSTRUCTION LIGHT ON ELEVATOR 3987 FT FROM DER, 1269 FT RIGHT OF CENTERLINE, 165 FT AGL/912 FT MSL. OBSTRUCTION LIGHT PIPE ON BUILDING 4046 FT FROM DER, 996 FT RIGHT OF CENTERLINE, 128 FT AGL/875 FT MSL. BUILDING 4289 FT FROM DER, 1375 FT RIGHT OF CENTERLINE, 140 FT AGL/899 FT MSL.

NOTE: RWY 3, VEHICLES ON ROAD BEGINNING 6 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 15 FT AGL/764 FT MSL. AIRCRAFT ON TAXIWAY BEGINNING 83 FT FROM DER, 495 FT LEFT OF CENTERLINE, UP TO 56 FT AGL/805 FT MSL. POLES BEGINNING 153 FT FROM DER, 226 FT RIGHT OF CENTERLINE, UP TO 42 FT AGL/791 FT MSL. ANTENNA ON BUILDING 155 FT FROM DER, 261 FT LEFT OF CENTERLINE, 6 FT AGL/755 FT MSL. TRAIN ON TRACKS 340 FT FROM DER, ON CENTERLINE, 33 FT AGL/782 FT MSL. OBSTRUCTION LIGHT ON POLE 596 FT FROM DER, 390 FT LEFT OF CENTERLINE, UP TO 33 FT AGL/782 FT MSL. OBSTRUCTION LIGHT ON HANGAR 622 FT FROM DER, 633 FT LEFT OF CENTERLINE, 35 FT AGL/784 FT MSL.TREES BEGINNING 742 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 80 FT AGL/839 FT MSL. ELEVATOR 835 FT FROM DER, 525 FT RIGHT OF CENTERLINE, 125 FT AGL/865 FT MSL. OBSTRUCTION LIGHT ON BUILDING 1297 FT FROM DER, 108 FT RIGHT OF CENTERLINE, 61 FT AGL/810 FT MSL. TOWERS BEGINNING 1847 FT FROM DER, 478 FT LEFT OF CENTERLINE, UP TO 149 FT AGL/853 FT MSL.

NOTE: RWY 19, ROD ON BUILDING 182 FT FROM DER, 279 FT RIGHT OF CENTERLINE, 11 FT AGL/760 FT MSL. ROADS BEGINNING 199 FT FROM DER, 506 FT LEFT OF CENTERLINE, UP TO 11 FT AGL/760 FT MSL. BUILDINGS BEGINNING 383 FT FROM DER, 378 FT LEFT AND RIGHT OF CENTERLINE, UP TO 291 FT AGL/1251 FT MSL. OBSTRUCTION LIGHT ON LEVEE 441 FT FROM DER, 55 FT RIGHT OF CENTERLINE, 24 FT AGL/763 FT MSL. TREES BEGINNING 684 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 80 FT AGL/1029 FT MSL. STACK, 3211 FT FROM DER, 420 FT LEFT OF CENTERLINE, 168 FT AGL/908 FT MSL. OBSTRUCTION LIGHT ON BUILDING 3412 FT FROM DER, 74 FT RIGHT OF CENTERLINE, 140 FT AGL/889 FT MSL. FLAGPOLE ON BUILDING 4372 FT FROM DER, 181 FT RIGHT OF CENTERLINE, 153 FT AGL/912 FT MSL. MONUMENT 5261 FT FROM DER, 1447 FT LEFT OF CENTERLINE, 77 FT AGL/981 FT MSL. LIGHT POLE 1.5 NM FROM DER, 1294 FT LEFT OF CENTERLINE, 68 FT AGL/1017 FT MSL. TOWER, 2.4 NM FROM DER, 3164 FT LEFT OF CENTERLINE, 1168 FT AGL/2049 FT MSL.

NOTE: RWY 21, BRIDGE BEGINNING 204 FT FROM DER, 476 FT RIGHT OF CENTERLINE, UP TO 37 FT AGL/760 FT MSL. ROADS BEGINNING 208 FT FROM DER, 2 FT RIGHT OF CENTERLINE, UP TO 11 FT AGL/ 760 FT MSL. FENCE 251 FT FROM DER, 253 FT RIGHT OF CENTERLINE, 3 FT AGL/749 FT MSL. LEVEE 326 FT FROM DER, 526 FT RIGHT OF CENTERLINE, 3 FT AGL/762 FT MSL. OBSTRUCTION LIGHT ON LEVEE 431 FT FROM DER, 137 FT RIGHT OF CENTERLINE, 4 FT AGL/763 FT MSL. TREES BEGINNING 1441 FT FROM DER, LEFT AND RIGHT OF CENTERLINE, UP TO 80 FT AGL/819 FT MSL. CRANE 2729 FT FROM DER, 580 FT RIGHT OF CENTERLINE, 98 FT AGL/849 FT MSL. OBSTRUCTION LIGHT ON DOME 2806 FT FROM DER, 873 FT RIGHT OF CENTERLINE, 66 FT AGL/815 FT MSL. POLE BEGINNING 3686 FT FROM DER, 631 FT RIGHT OF CENTERLINE, UP TO 118 FT AGL/858 FT MSL. BUILDING 4857 FT FROM DER, 1786 FT LEFT OF CENTERLINE, 152 FT AGL/898 FT MSL. ELEVATOR 5173 FT FROM DER, 749 FT LEFT OF CENTERLINE, UP TO 148 FT AGL/896 FT MSL. STACK 1.3 NM FROM DER, 589 FT LEFT OF CENTERLINE, 198 FT AGL/948 FT MSL.

CONTROLLING OBSTACLES:

RWY 1: 912 FT MSL ELEVATOR 390834.42N/0943457.39W, 997 FT MSL TREE 390928.62N/0943443.00W.
RWY 19: 908 FT MSL STACK 390621.00N/0943547.00W
RWY 21: 898 FT MSL BUILDING 390610.08N/0943615.21W, 948 FT MSL STACK 390552.00N/0943653.00W.

OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: RWY 1, 3, 19, 21, 2049 FT MSL TOWER 390421.00N/0943546.00W

QUALITY CHECKED

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REMARKS:

PREVIOUS MINIMUMS RETAINED FOR RWY'S 1, 19 PER BRANCH REQUEST.

FLIGHT INSPECTED BY:

REQUIRED EFFECTIVE DATE:

ROUTINE

DEVELOPED BY;

JILL OLSON (AISHAT NAUZO) AJV-353 4/25/2012

APPROVED BY:

LARRY STROUT AJV-353

COORDINATED WITH:

ALPA, AOPA, NBAA, ZKC, MCI APP CON, MCI ATCT, MO. ST. AERO, ARPT MGR.

CHANGES:

1. CHANGED TAKEOFF MINIMUM RWY 1 HEADING FROM 007.69 TO 007.68
2. CHANGED TAKEOFF MINIMUM RWY 21 FROM STANDARD WITH MINIMUM CLIMB OF 238 FT PER NM TO 1700 TO STANDARD WITH MINIMUM CLIMB OF 251 FT PER NM TO 1700.
3. CHANGED TEXTUAL DEPARTURE RWY 19 FROM CLIMB HEADING 215 TO CLIMBING RIGHT TURN HEADING 215.
4. UPDATED TAKEOFF OBSTACLE NOTES.
5. UPDATED CONTROLLING OBSTACLES.
6. CHANGED RWY 3 FROM 400-2 ½ OR STANDARD WITH MINIMUM CLIMB OF 231 FT PER NM TO 1300 TO STANDARD.

REASONS:

1 TO MATCH AVNIS AND IAPA DATA FOR RWY 1 TRUE BEARING.
2 CLEAR NOTAM 1/3058 -1/4933 AND 8260.3B, VOLUME 4, PAR 1.4.1 AND PAR 1.4.2 TO COMPLY WITH OBSTACLE CLEARANCE REQUIREMENTS.
3 8260.46D CHAPTER 2-1 (G) AND EXAMPLES FROM APPENDIX D.
4 IAPA/ MAP STUDY AND PER 8260.46D APPENDIX D SECTION 1, PAR 8.
5 IAPA/ MAP STUDY AND PER 8260.46D APPENDIX D SECTION 1, PAR 9.
6 CONTROLLING OBSTRUCTION REMOVED.

QUALITY CHECKED