

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
GRAPHIC DEPARTURE PROCEDURES (DP)**

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>DP NAME</u>           | <u>NUMBER</u>            | <u>DP COMPUTER CODE</u>             | <u>SUPERSEDED NUMBER</u> | <u>DATED</u>             | <u>ACTUAL EFFECTIVE DATE</u> |
|--------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|------------------------------|
| ROYAL                    | ONE                      | ROYAL1.MCI                          | NINE                     | 02/01/2018               | 08/10/2023                   |
| <u>TYPE:</u>             | <u>OBSTACLE</u>          | <u>COPTER</u>                       | <u>SID</u>               | <u>SPECIAL</u>           | <u>RNAV</u>                  |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>     |

**This procedure, previously published in NFDD #095, is hereby RESCINDED in its entirety.**

**DP ROUTE DESCRIPTION:****KMKC:****TAKEOFF RWY 1:** CLIMB ON HEADING 011.69 TO 1700, THENCE...**TAKEOFF RWY 4:** CLIMB ON HEADING 037.43 TO 1900, THENCE...**TAKEOFF RWY 19:** CLIMBING RIGHT TURN HEADING 215.00 TO 2500, THENCE...**TAKEOFF RWY 22:** CLIMB ON HEADING 217.43 TO 2300, THENCE..**KSTJ:****TAKEOFF RWY 13:** CLIMB ON HEADING 131.72 TO 1600 BEFORE TURNING LEFT, THENCE...**KFLV:****TAKEOFF RWY 16:** CLIMB ON HEADING 155.39 TO 1700 BEFORE TURNING SOUTHWEST, THENCE ...

...CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO APPROPRIATE ROUTE. MAINTAIN 10000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**ALL OTHER AIRPORTS / RUNWAYS:**

CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO APPROPRIATE ROUTE. MAINTAIN 10000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

| <u>TRANSITION NAME</u> | <u>TRANSITION<br/>COMPUTER CODE</u> | <u>FROM<br/>FIX/NAVAID</u> | <u>TO<br/>FIX/NAVAID</u> | <u>COURSE</u>      | <u>DISTANCE</u> | <u>MEA</u> | <u>MOCA</u> | <u>CROSSING<br/>ALTITUDE/FIXES</u> |
|------------------------|-------------------------------------|----------------------------|--------------------------|--------------------|-----------------|------------|-------------|------------------------------------|
| ARENZ                  | ROYAL1.ARENZ                        | MCI VORTAC                 | CAYKO                    | 039.00 (MCI R-039) | 40.00           | 8000       | 2400        |                                    |
|                        |                                     | CAYKO                      | JTHRO                    | 039.00 (MCI R-039) | 20.00           | 10300      | 2300        |                                    |
|                        |                                     | JTHRO                      | ARENZ                    | 039.00 (MCI R-039) | 11.97           | 11500      | 2400        |                                    |
| BODYN                  | ROYAL1.BODYN                        | MCI VORTAC                 | CAYKO                    | 039.00 (MCI R-039) | 40.00           | 8000       | 2400        |                                    |
|                        |                                     | CAYKO                      | JTHRO                    | 039.00 (MCI R-039) | 20.00           | 10300      | 2300        |                                    |
|                        |                                     | JTHRO                      | ARENZ                    | 039.00 (MCI R-039) | 11.97           | 11500      | 2400        |                                    |
|                        |                                     | ARENZ                      | BODYN                    | 071.00 (STJ R-071) | 70.63           | 16000      | 3000        |                                    |
| TONCE                  | ROYAL1.TONCE                        | MCI VORTAC                 | JDOGG                    | 360.00 (MCI R-360) | 40.00           | 8000       | 3100        |                                    |
|                        |                                     | JDOGG                      | TONCE                    | 360.00 (MCI R-360) | 20.00           | 8000       | 2600        |                                    |

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|----------------|---------------|-------------------------|--------------------------|--------------|------------------------------|
| ROYAL          | ONE           | ROYAL1.MCI              | NINE                     | 02/01/2018   | 08/10/2023                   |

**PROCEDURAL DATA NOTES:****PBN REQUIREMENTS NOTES:****EQUIPMENT REQUIREMENT NOTES:**

RADAR AND DME REQUIRED.

**TAKEOFF MINIMUMS:****KMCI:****RWY 1L, 1R, 9, 19R, 19L, 27:** STANDARD.**KMKC:****RWY 4:** STANDARD.**RWY 1:** 300-1 7/8 OR STANDARD WITH MINIMUM CLIMB OF 201 FT PER NM TO 1000.**RWY 19:** STANDARD WITH MINIMUM CLIMB OF 465 FT/NM TO 2500.**RWY 22:** 300-1 5/8 OR STANDARD WITH MINIMUM CLIMB OF 260 FT/NM TO 1000.**KSTJ:****RWY 13, 17, 35:** STANDARD.**RWY 31:** 400-2 1/4 OR STANDARD WITH MINIMUM CLIMB OF 340 FT/NM TO 1300.**KOJC:****RWY 18, 36:** STANDARD.**KIXD:****RWY 4, 18, 22, 36:** STANDARD.**KFLV:****RWY 16, 34:** STANDARD.**KGPH:****RWY 18, 36:** STANDARD.**KLXT:****RWY 11, 18, 29, 36:** STANDARD.**TAKEOFF OBSTACLES NOTES:**

SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

**CONTROLLING OBSTACLES:****KMKC:****RWY 1:** 997 FT MSL TREE 390928.62N/0943443.00W.**RWY 19:** 993 FT NSL BLDG 390608.81N/0943535.24W**RWY 22:** 898 FT MSL BLDG 390610.08N/0943615.21W (CLIMB GRADIENT, CLIMB-TO ALTITUDE), 948 FT MSL STACK 390552.00N/0943546.00W (CEILING, VISIBILITY)OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: **RWY 1, 4, 19, 22** - 2049 FT MSL TOWER 390421.18N/0943546.31W.**KSTJ:****RWY 31:** 1095 FT MSL TREE 394706.93N/ 0945623.27W (CLIMB GRADIENT, CLIMB-TO 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.**KFLV:**OBSTACLE MANDATING ODP ROUTE DEVELOPMENT: **RWY 16:** 1404 FT MSL TOWER 391752.00N/0945616.00W.

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| ROYAL          | ONE           | ROYAL1.MCI              | NINE                     | 02/01/2018   | 08/10/2023                   |

**MSA:**

KMKC: MSA FROM MCI VORTAC, 3100  
KMCI: MSA FROM MCI VORTAC, 3100  
KSTJ: MSA FROM STJ VORTAC, 3000  
KOJC: MSA FROM MCI VORTAC, 3100  
KIXD: MSA FROM MCI VORTAC, 3100 (30 NM)  
KFLV: MSA FROM MCI VORTAC, 3100  
KGPH: MSA FROM MCI VORTAC, 3100  
KLXT: MSA FROM MCI VORTAC, 3100 (30 NM)

**LOST COMMUNICATIONS PROCEDURES:****ADDITIONAL FLIGHT DATA:**

CHART STJ VORTAC R-028 AT TONCE, R-085 AT JDOGG AND R-100 AT CAYKO  
CHART OTM VOR/DME R-162 AT BODYN  
AIRPORT MV: MKC (P) 1E/2020, MCI 2E/2015, STJ 4E/1995, OJC 4E/2000, IXD 4E/2000, FLV 4E/2000, GPH 3E/2000, LXT 2E/2010  
CHART: TOP ALTITUDE: 10000.

**AIRPORTS SERVED:**

| <u>AIRPORT ID</u> | <u>CITY</u>      | <u>STATE</u> |
|-------------------|------------------|--------------|
| KMCI              | KANSAS CITY      | MO           |
| KMKC              | KANSAS CITY      | MO           |
| KSTJ              | ST JOSEPH        | MO           |
| KOJC              | OLATHE           | KS           |
| KIXD              | OLATHE           | KS           |
| KFLV              | FORT LEAVENWORTH | KS           |
| KGPH              | MOSBY            | MO           |
| KLXT              | LEE'S SUMMIT     | MO           |

**COMMUNICATIONS:**

**KMCI:** CHART: ATIS, CLNC DEL.  
**KMKC:** CHART: ATIS, CLNC DEL.  
**KSTJ:** CHART: ATIS.  
**KOJC:** CHART: ATIS.  
**KGPH:** CHART: CLNC DEL.  
**KLXT:** CHART: CLNC DEL.

**FIXES AND/OR NAVAIDS:**

STJ VORTAC, OTM VOR/DME

**REMARKS:**

ABBREVIATED AMENDMENT.



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|----------------|---------------|-------------------------|--------------------------|--------------|------------------------------|
| ROYAL          | ONE           | ROYAL1.MCI              | NINE                     | 02/01/2018   | 08/10/2023                   |

FLIGHT INSPECTED BY

PENDING

*Digitally signed by*  
**CASIMIR L TABAKA**  
May 16, 2023

OFFICEDATEDEVELOPED BY

*Digitally signed by*  
**TYLER D MITCHELL**  
May 16, 2023

OFFICEDATE

TYLER MITCHELL

AJV-A432

04/11/2023

APPROVED BY

CASIMIR TABAKA

*Digitally signed by*  
**CASIMIR L TABAKA**  
May 16, 2023

OFFICE

AJV-A432

DATETITLE

MANAGER

REQUIRED EFFECTIVE DATE

8/10/2023

COORDINATED WITH:

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** MCI APP CON, MKC ATCT, ZKC, CENTRAL FPT

CHANGES - REASONS:

1. KMKC RWY 3/21 CHANGED TO RWY 4/22 - RUNWAY NUMBERS UPDATED
2. REMOVED TAKEOFF OBSTACLE NOTES AND ADDED "SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLES DEPARTURE PROCEDURES (ODP)." - 8260.46J
3. DP ROUTE DESCRIPTION: CHANGED FROM "CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO APPROPRIATE ROUTE..." TO "CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO APPROPRIATE ROUTE. MAINTAIN 10000, ..." - IAW 8260.46J APPENDIX A PARA 3.HH
4. ADDED ADDITIONAL FLIGHT DATA CHART: TOP ALTITUDE: 10000. - TOP ALTITUDE ADDED.
5. TAKEOFF MINIMUMS FOR KMKC RWY 22 CEILING CHANGED FROM 200 TO 300 - 200 FT CEILING NO LONGER ALLOWED IAW 8260.3E PARA 13-1-5.A.
6. ADDED MSA ALTITUDES - IAW 8260.46J

5/15/2023: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 4/26/2023.

1. CHANGED DP ROUTE DESCRIPTION FOR CHARLES B WHEELER DOWNTOWN FROM "**TAKEOFF RWY 1:** CLIMB ON HEADING 011.69 TO 2000, THENCE..." TO "**TAKEOFF RWY 1:** CLIMB ON HEADING 011.69 TO 1700, THENCE..." - 912 FT ELEVATOR (GRAIN SILO) HAS BEEN TORN DOWN AND REMOVED FROM THE DATABASE.
2. CHANGED TAKEOFF MINIMUMS FOR CHARLES B WHEELER DOWNTOWN FROM "**RWY 1:** 300-1 7/8 OR STANDARD WITH MINIMUM CLIMB OF 312 FT PER NM TO 1000." TO "**RWY 1:** 300-1 7/8 OR STANDARD WITH MINIMUM CLIMB OF 201 FT PER NM TO 1000." - 912 FT ELEVATOR (GRAIN SILO) HAS BEEN TORN DOWN AND REMOVED FROM THE DATABASE.
3. CONTROLLING OBSTACLES - REMOVED 912 FT MSL OL ON ELEVATOR 390834.42N/0943457.39W FROM CHARLES B WHEELER DOWNTOWN RWY 1 - 912 FT ELEVATOR (GRAIN SILO) HAS BEEN TORN DOWN AND REMOVED FROM THE DATABASE.
4. CHANGED CHARLES B WHEELER DOWNTOWN OBSTACLE LOCATION FROM 2049 FT MSL TOWER 390421.00N/0943546.00W TO 2049 FT MSL TOWER 390421.18N/0943546.31W - CORRECTING TYPO

