

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.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
ROYAL	TWO	ROYAL2.MCI	ONE	10/05/2023	5 SEPT 2024

TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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):

TRANSITION NAME	TRANSITION COMPUTER CODE	FROM FIX/NAVAID	TO FIX/NAVAID	COURSE	DISTANCE	MEA	MOCA	CROSSING ALTITUDE/FIXES
ARENZ	ROYAL2.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	ROYAL2.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	ROYAL2.TONCE	MCI VORTAC	JDOGG	360.00 (MCI R-360)	40.00	8000	3100	
		JDOGG	TONCE	360.00 (MCI R-360)	20.00	8000	2600	

PBN REQUIREMENT NOTES:



<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SUPERSEDED NUMBER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	TWO	ROYAL2.MCI	ONE	10/05/2023	5 SEPT 2024

EQUIPMENT REQUIREMENT NOTES:

RADAR AND DME REQUIRED.

PROCEDURAL DATA NOTES:**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 MSL 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	TWO	ROYAL2.MCI	ONE	10/05/2023	5 SEPT 2024

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
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



REMARKS:
ABBREVIATED AMENDMENT.

FLIGHT INSPECTED BY	SIGNATURE	OFFICE	DATE	Digitally signed by ROBERT G HAMILTON Apr 26, 2024
PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021 SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.				

DEVELOPED BY	SIGNATURE	OFFICE	DATE
ROBERT HAMILTON (KAMARUDINI RAIMI)	Digitally signed by ROBERT G HAMILTON Apr 26, 2024	AJV-A433	02/07/2024

APPROVED BY	SIGNATURE	OFFICE	DATE	TITLE
ROBERT HAMILTON	Digitally signed by ROBERT G HAMILTON Apr 26, 2024	AJV-A433		MANAGER

REQUIRED EFFECTIVE DATE
ROUTINE

COORDINATED WITH:

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

- CHANGES - REASONS:
- 1. CONTROLLING OBSTACLES: KMKC RWY 19 OBSTACLE HEIGHT CHANGED FROM "993 FT NSL" TO "993 FT MSL" - CORRECTING TYPO.
 - 2. TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): TRANSITION COMPUTER CODE FOR ARENA CHANGED FROM ROYAL1.ARENZ TO ROYAL2.ARENZ - IAW 8260.46J, APPENDIX D.
 - 3. TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): TRANSITION COMPUTER CODE FOR BODYN CHANGED FROM ROYAL1.BODYN TO ROYAL2.BODYN - IAW 8260.46J, APPENDIX D.
 - 4. TRANSITION ROUTES (GRAPHIC DEPICTION ONLY): TRANSITION COMPUTER CODE FOR TONCE CHANGED FROM ROYAL1.TONCE TO ROYAL2.TONCE - IAW 8260.46J, APPENDIX D.
 - 5. ADDITIONAL FLIGHT DATA: DELETED "CHART OTM VOR/DME R-162 BODY - OTM VOR MON.
 - 6. FIXES AND/OR NAVAIDS: DELETED "OTM VOR/DME" - OTM VOR MON.

