

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>BRAYMER</b>	<b>EIGHT</b>	<b>BQS.BQS8</b>	<b>SEVEN</b>	<b>10/07/2021</b>	<b>20 APRIL 2023</b>

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
KIRKSVILLE	IRK.BQS8	IRK VORTAC	IRK VORTAC						
		IRK VORTAC	FONIX	237.53 (IRK R-238)	40.00	8000	3000		
		FONIX	BQS VOR/DME	239.34 (BQS R-059)	26.55	8000	3000		BETWEEN 12000 AND 14000
LAMONI	LMN.BQS8	LMN VOR/DME	LMN VOR/DME						
		LMN VOR/DME	BQS VOR/DME	168.77 & 172.83 (LMN R-169 & BQS R-353)	58.08	8000	2600		BETWEEN 12000 AND 14000
SPINNER	SPI.BQS8	SPI VORTAC	SPI VORTAC						
		SPI VORTAC	HUGIN	268.65 (SPI R-269)	120.00	FL190	2300		
		HUGIN	BQS VOR/DME	261.97 (BQS R-082)	74.68	8000	2300		BETWEEN 12000 AND 14000

ARRIVAL ROUTE DESCRIPTION:

LANDING KMCI RWY 1L/R: FROM OVER BQS VOR/DME ON BQS R-234.00 TO CROSS BYGEC AT OR ABOVE 12000 AND AT 210 KIAS, THEN ON HEADING 190.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KMCI RWY 9, 19L/R, 27: FROM OVER BQS VOR/DME ON BQS R-234.00 TO CROSS DONNS AT OR ABOVE 12000, THEN ON HEADING 255.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING KFLV/KGPH/KIXD/KLXT/KMKC/KOJC/KSTJ: FROM OVER BQS VOR/DME ON BQS R-234.00 TO CROSS DONNS AT OR ABOVE 12000, THEN ON HEADING 241.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PBN REQUIREMENT NOTES:

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

PROCEDURAL DATA NOTES:

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT BQS VOR/DME: HOLD NE, RT, 234.00 INBOUND.

CHART HOLDING AT FONIX: HOLD NE, RT, 237.53 INBOUND.

CHART ANX VORTAC, MATTZ.

COMMUNICATIONS:

CHART: MCI APP CON

This is a corrected copy of the procedure published in NFDD 019.  
\*\* See page 3 for details. \*\*



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**AIRPORTS SERVED:**

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

**LOST COMMUNICATIONS PREFERENCES:****REMARKS:**

DO NOT PUBLISH MOCA VALUE SPI-HUGIN; SEGMENT ABOVE FL180

**ADDITIONAL FLIGHT DATA:**

CROSS BYGEC AT 210 KIAS.

CHART AT DONNS TERMINUS: KMCI LDG RWY 9, 19L/R, 27

CHART AT BYGEC TERMINUS: KMCI LDG RWY 1L/R

CHART AT DONNS TERMINUS: LDG KFLV/KGPH/KIXD/KLXT/KMKC/KOJC/KSTJ

**FLIGHT INSPECTED BY:**

JEFFREY J SCORSE

**ORGANIZATION:**

FPO

**DATE:**

01/18/2023

Flight Inspected Signature:

*Digitally signed by*

**CASIMIR L TABAKA**

Jan 19, 2023

*Digitally signed by*

**CASIMIR L TABAKA**

Dec 15, 2022

**DEVELOPED BY:**

CASIMIR L. TABAKA (SILVIA YOUNG)

AJV-A432

11/21/2022

Developed By Signature:

*Digitally signed by*

**CASIMIR L TABAKA**

Dec 15, 2022

**APPROVED BY:**

CASIMIR L. TABAKA

AJV-A432

Approved By Signature:

**CHANGES:**

1. TRANSITION ROUTES: REMOVED UIN VORTAC FROM SPINNER TRANSITION.
2. TRANSITION ROUTES: CHANGED IRK VORTAC TO FONIX COURSE FROM "237.38 (IRK R-237)" TO "237.53 (IRK R-238)".
3. TRANSITION ROUTES: CHANGED FONIX TO BQS VOR/DME COURSE FROM "239.56 (BQS R-060)" TO "239.34 (BQS R-059)".
4. TRANSITION ROUTES: ADDED SPI VORTAC TO HUGIN COURSE 268.65 (SPI R-269), DISTANCE 120.00 NM; IRK RADIAL DEFINING HUGIN CHANGED FROM R-214 TO R-144.
5. TRANSITION ROUTES: CHANGED HUGIN TO BQS VOR/DME COURSE FROM "259.99 (BQS R-080)" TO "261.97 (BQS R-082)" AND CHANGED DISTANCE FROM 38.00 TO 74.68.

QUALITY  
14  
CHECKED

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6. TRANSITION ROUTES: CHANGED FONIX-BQS MOCA FROM 2400 TO 3000. 7. ARRIVAL ROUTE DESCRIPTION: REMOVED MEA/MOCA VALUES FROM COMMON ROUTE AND AND ADDED CROSSING ALTITUDE AT OR ABOVE 12000. 8. ARRIVAL ROUTE DESCRIPTION: COMBINED KMKC DESCRIPTIONS WITH SATELLITE ARPTS; COMBINED KMCI RWY 9, 19L/R AND 27 DESCRIPTIONS TOGETHER. 9. ARRIVAL ROUTE DESCRIPTION: UPDATED INSTRUCTIONS FOR SATELLITE AIRPORTS FROM "ALL OTHER AIRPORTS: FROM OVER BQS VOR/DME R-234 TO DONNS, THENCE.." TO LANDING KFLV/KGPH/KIXD/KLXT/KMKC/KOJC/KSTJ: FROM OVER BQS VOR/DME ON BQS R-234.00 TO CROSS DONNS AT OR ABOVE 12000, THEN ON HEADING 241.00. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE". 10. MOVED "RADAR REQUIRED" FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES. 11. ADDED 210 KIAS AT FIX BYGEC IN ARRIVAL DESCRIPTION. 12. PROCEDURAL DATA NOTES: REMOVED NOTES "EXPECT TO CROSS LMN VOR/DME AT OR BELOW FL230", "TURBOJETS LANDING SOUTH EXPECT TO CROSS BQS AT 12000" AND "TURBOJETS LANDING NORTH EXPECT TO CROSS MATTZ AT 12000". 13. FIXES AND/OR HOLDING PATTERNS: UPDATED FROM "CHART HOLDING AT FONIX: HOLD NE, RT, 237.38 INBOUND" TO "CHART HOLDING AT FONIX: HOLD NE, RT, 237.53 INBOUND". 14. REMOVED AIRPORT NAMES FROM AIRPORTS SERVED. 15. ADDED TERMINUS DATA TO ADDITIONAL FLIGHT DATA..					

**REASONS:**

1. UIN VOR MON NATL PROGRAM.
2. UPDATED NAVAID SURVEY.
3. UPDATED NAVAID SURVEY.
4. HUGIN FIX MOVED 36.72 MILES EAST PER IFP/ATC CHECKLIST REQUEST.
5. UPDATED ROUTE EVALUATION.
6. NEW EVALUATION.
7. IAW CURRENT DOCUMENTATION STANDARDS.
8. PER IFP/ATC CHECKLIST REQUEST.
9. PER IFP/ATC CHECKLIST REQUEST.
10. IAW 8260.19I, 4-5-3.
11. PER IFP/ATC CHECKLIST REQUEST.
12. EXPECT ALT NOTES NO LONGER ALLOWED PER CRITERIA.
13. TO ALIGN WITH IRK VORTAC TO FONIX COURSE.
14. IAW CURRENT DOCUMENTATION STANDARDS.
15. 8260.19I, PARA 4-5-2H(2).

02/02/2023: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 12/15/2022.

1. FIXES AND/OR HOLDING PATTERNS: CORRECTED HOLDING AT FENIX: HOLD NE, RT, 237.53 INBOUND.

QUALITY  
16  
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BRAYMER	EIGHT	BQS.BQS8	SEVEN	10/07/2021	20 APRIL 2023
Graphic Depiction 1					

