Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 06/30/2011	Task #: 2011063028033703001	Request #: 20110630280337
Procedure: ILS OR LOC RWY 3 AMDT 4		Airport ID: KMKC	Airport: CHARLES B. WHEELER DOWNTOWN		Reimbursable #:
City: KANSAS CITY	ST: MO	GPS #:		Estimated Chart Date: 05/31/2012	FICO #:
Fac ID: GQR	Fac. Type: ILS	Specialist: JOHN LINDSEY(Contractor)			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	09/28/2011	03/05/2012	DAVID PUGLISI	
QA:	03/05/2012	03/05/2012	DAVID PUGLISI	
Liaison:	03/05/2012		Terrell	

Procedure Comments:

Remark Type: INFORMATION

KANSAS CITY, MO CHARLES B. WHEELER DOWNTOWN (KMKC) ILS OR LOC RWY 3, AMDT 4 ENROUTE-NO FC: 4.3.12 PUB: 5.31.12

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): CFMCC, REV 2; FENEN-INT, REV 2; HEPTO-INT, REV 2; LYMES-INT, REV 5; OLATH-INT, REV 3; WIKTU-INT, REV 2; (INFO ONLY) NAPOLEON (ANX) VTAC, REV 11; TOPEKA (TOP) VTAC, REV 11.

CONTACT: JILL OLSON, AJV-353 LEAD, 405.954.9568.

LOC I-GQR	APP CRS	Rwy Idg	4270
111.76	031°	THRE	743
		Apt Elev	757

NEW

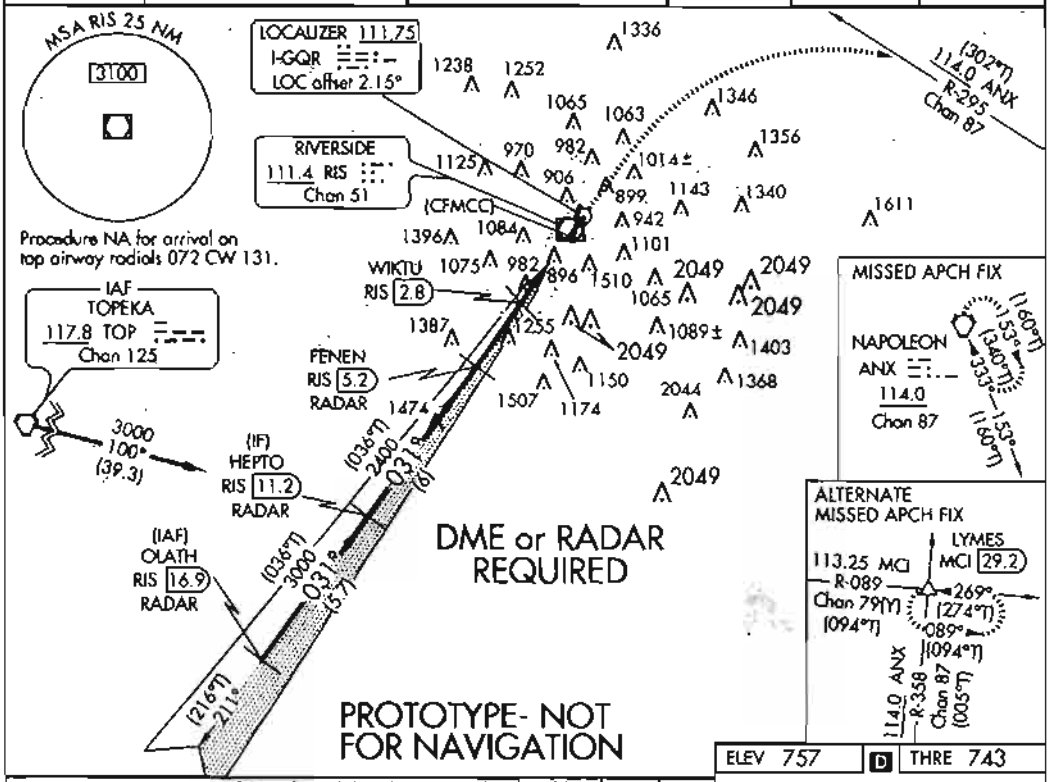
ILS or LOC RWY 3

KANSAS CITY/CHARLES B. WHEELER DOWNTOWN (MKC)

Circling NA east of Rwy 1-19. Visibility reduction by helicopters NA.
Circling-Cat D NA Rwy 3.
DME from RIS VOR/DME

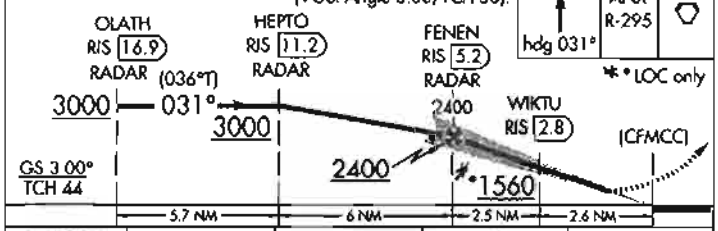
MISSED APPROACH: Climb to 3000 on heading 031° and ANX VORTAC R-295 to ANX VORTAC and hold.

ATIS	KANSAS CITY APP CON	DOWNTOWN TOWER	CLNC DEL	GND CON	
120.75	118.4 294.7	133.3 257.8	121.9	121.9	122.8



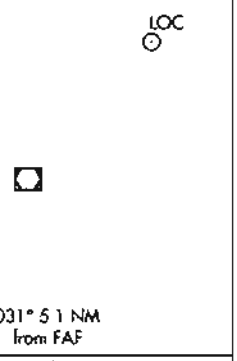
ELEV 757 | D | THRE 743

VGSI and ILS glidepath not coincident (VGSI Angle 3.00/TCH 50).



* LOC only

HIRL Rwys 3-21 and 1-19
REIL Rwys 1 and 21
RAIL Rwy 1



CATEGORY	A	B	C	D
S-ILS 3	993/40 250 (300-¾)			NA
S-LOC 3	1560/55 817 (900-1¼)	1560/60 817 (900-1¼)	1560-2½ 817 (900-2½)	NA
CIRCLING	1560-1 803 (900-1)	1560-1¼ 803 (900-1¼)	1560-2½ 803 (900-2½)	
* WIKTU FIX MINIMUMS				
S-LOC 3	1240/55 497 (500-1¼)		1240-1⅜ 497 (500-1⅜)	NA
CIRCLING	1380-1 623 (700-1)	1400-1 643 (700-1)	1400-1¾ 643 (700-1¾)	1400-2 643 (700-2)

FAF to MAP 5.1 NM

Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

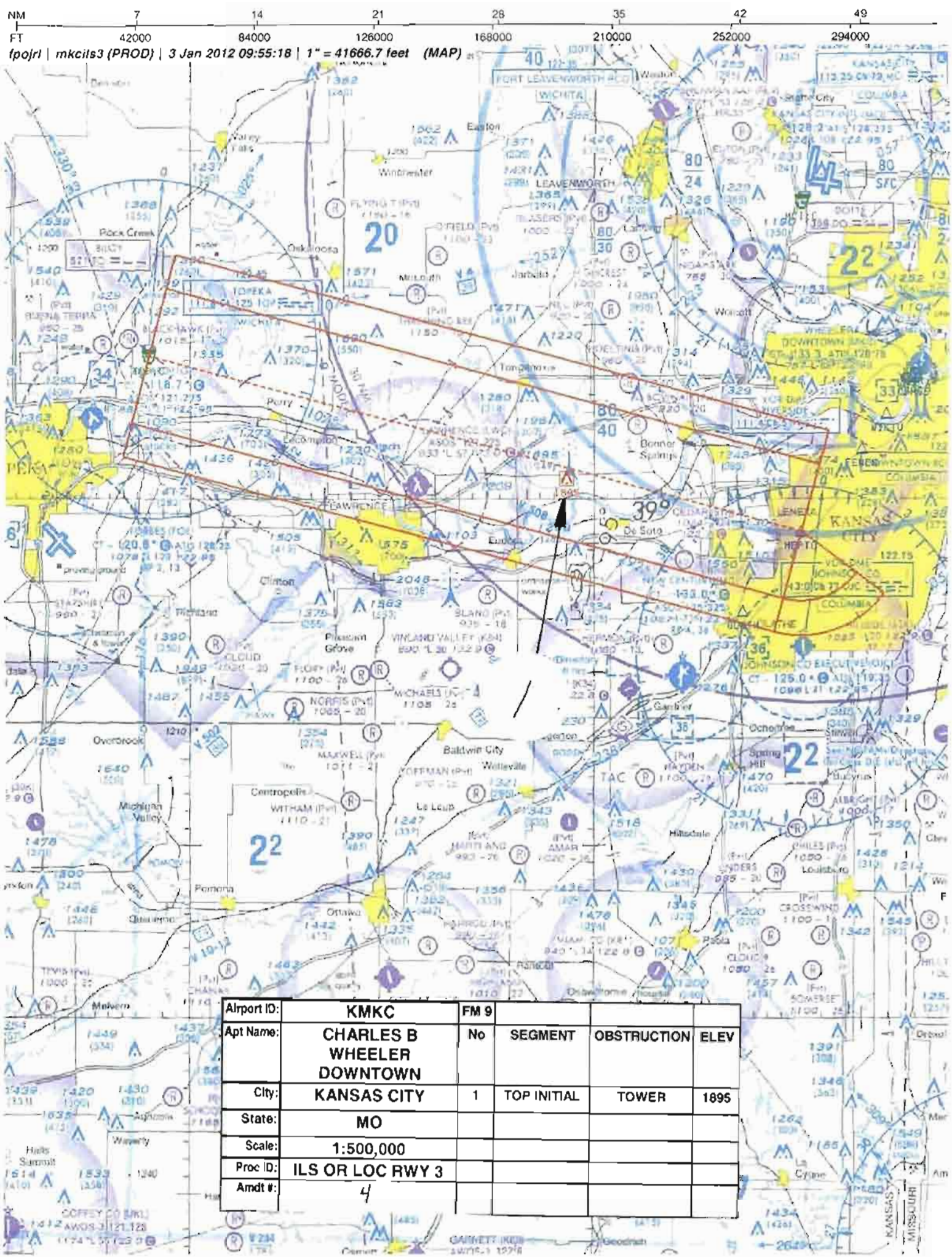
KANSAS CITY/CHARLES B. WHEELER DOWNTOWN (MKC)
39°07'N-94°36'W

ILS or LOC RWY 3

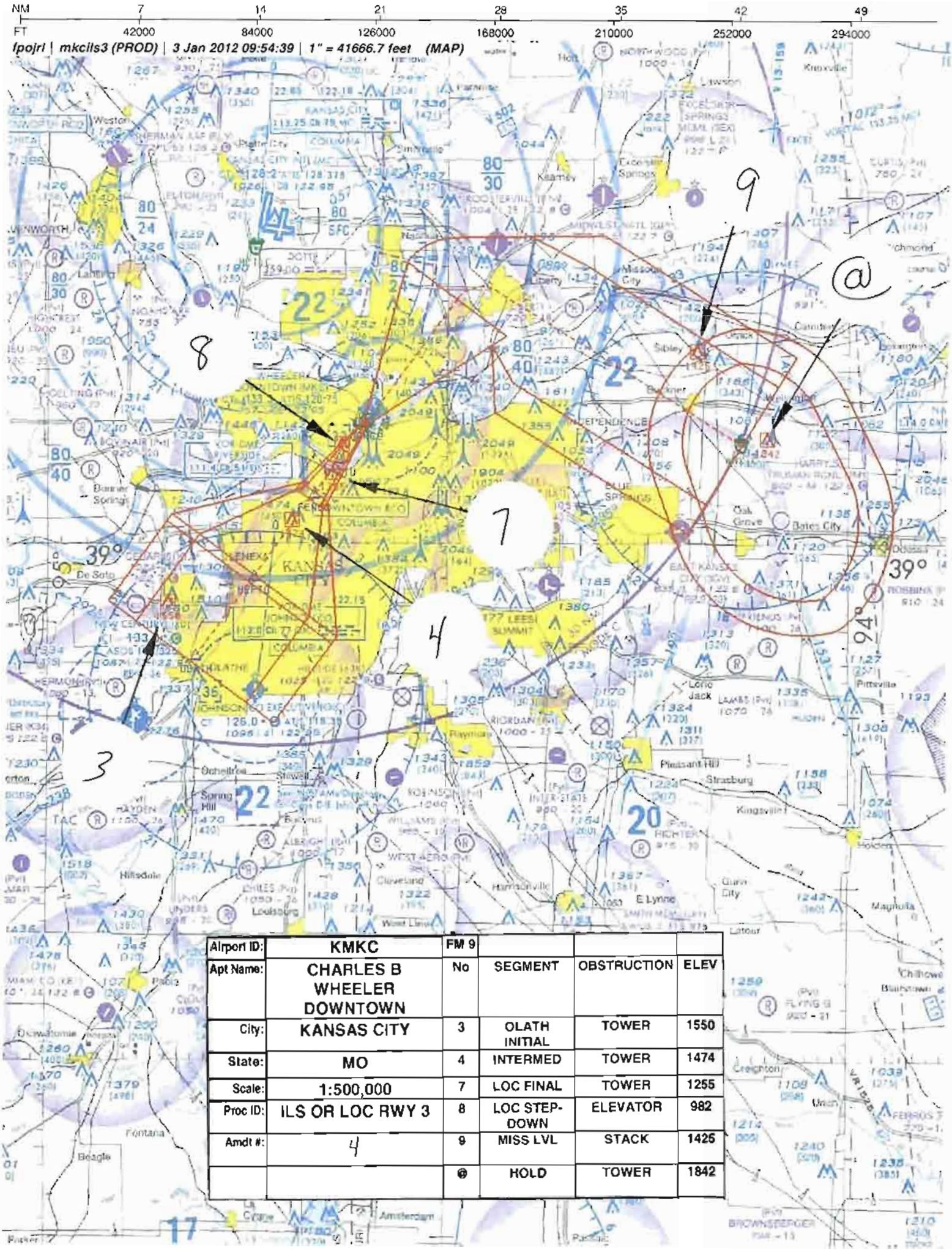
NM 7 14 21 28 35 42 49
FT 42000 84000 126000 168000 210000 252000 294000

fpojrl | mkcilsalt (PROD) | 25 Jan 2012 08:27:00 | 1" = 41666.7 feet (MAP)

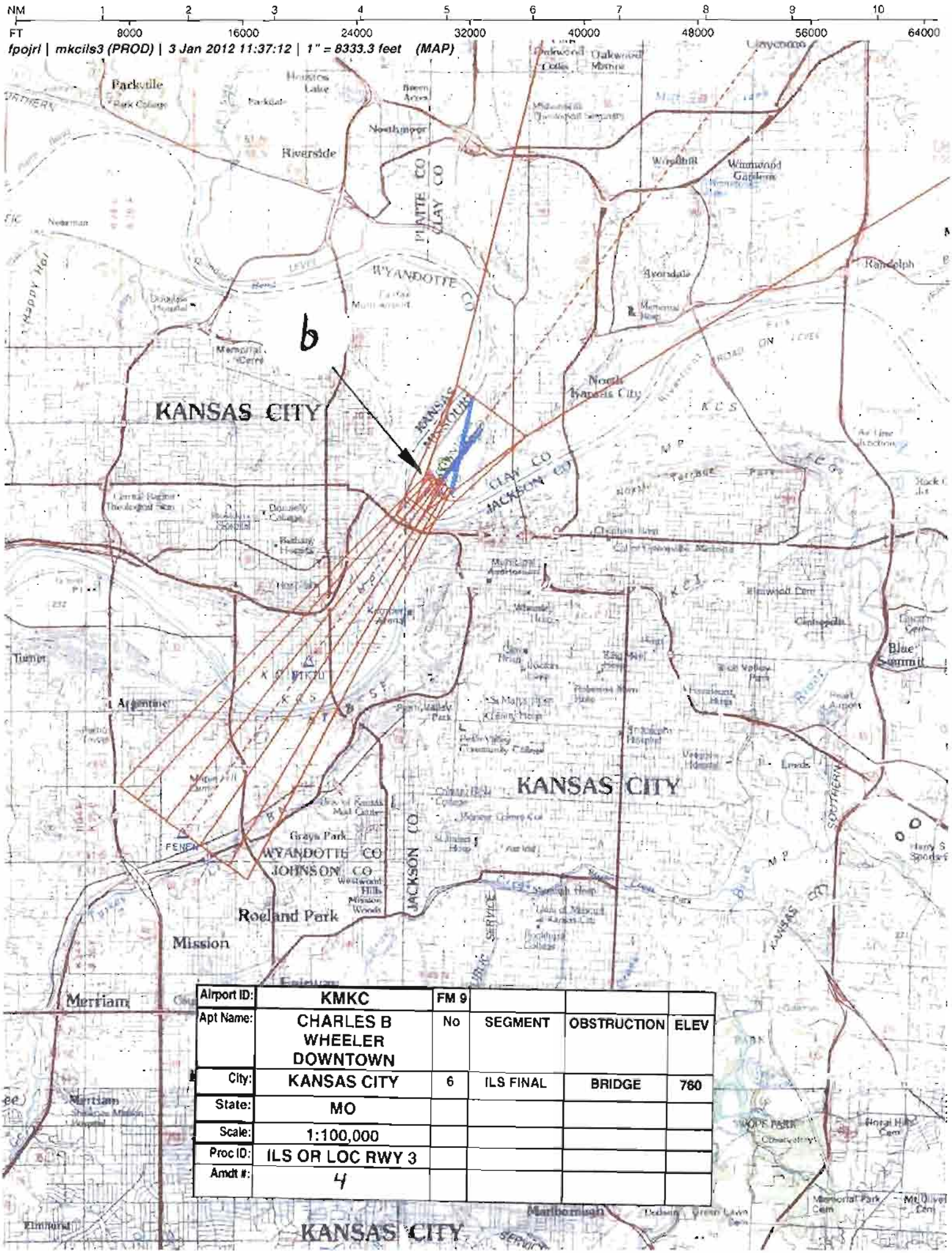
Airport ID:	KMKC	FM 9			
Apt Name:	CHARLES B WHEELER DOWNTOWN	No	SEGMENT	OBSTRUCTION	ELEV
City:	KANSAS CITY	6	ILS FINAL	BRIDGE	760
State:	MO	9	MISS LVL	TOWER	1425
Scale:	1:500,000	#	HOLD	TOWER	1307
Proc ID:	ILS OR LOC RWY 3				
Amdt #:	4				
	ALT MISSED				



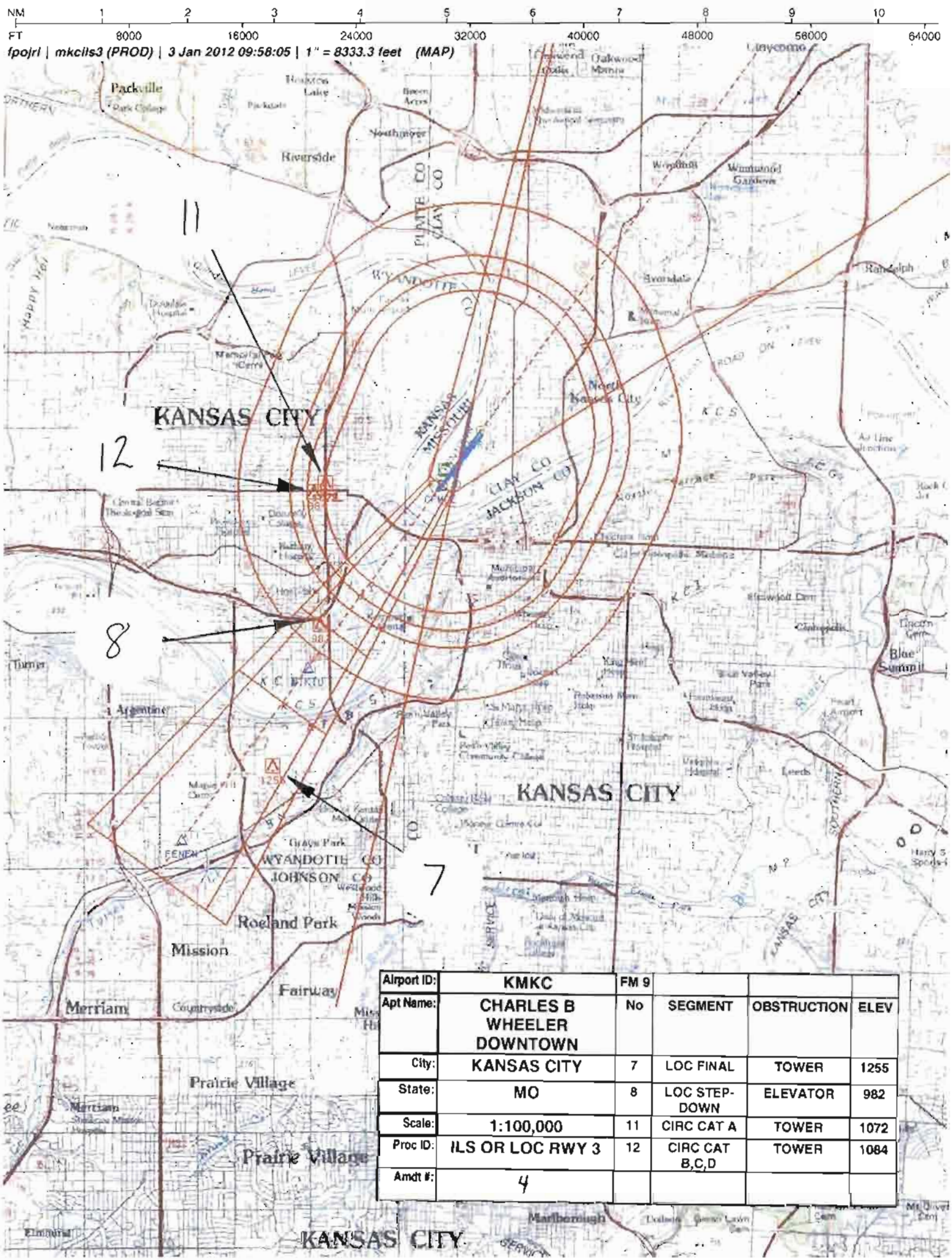
Airport ID:	KMKC	FM 9			
Apt Name:	CHARLES B WHEELER DOWNTOWN	No	SEGMENT	OBSTRUCTION	ELEV
City:	KANSAS CITY	1	TOP INITIAL	TOWER	1895
State:	MO				
Scale:	1:500,000				
Proc ID:	ILS OR LOC RWY 3				
Amdt #:	4				



Airport ID:	KMKC	FM 9			
Apt Name:	CHARLES B WHEELER DOWNTOWN	No	SEGMENT	OBSTRUCTION	ELEV
City:	KANSAS CITY	3	OLATH INITIAL	TOWER	1550
State:	MO	4	INTERMED	TOWER	1474
Scale:	1:500,000	7	LOC FINAL	TOWER	1255
Proc ID:	ILS OR LOC RWY 3	8	LOC STEP-DOWN	ELEVATOR	982
Amdt #:	4	9	MISS LVL	STACK	1425
		@	HOLD	TOWER	1842



Airport ID:	KMKC	FM 9			
Apt Name:	CHARLES B WHEELER DOWNTOWN	No	SEGMENT	OBSTRUCTION	ELEV
City:	KANSAS CITY	6	ILS FINAL	BRIDGE	760
State:	MO				
Scale:	1:100,000				
Proc ID:	ILS OR LOC RWY 3				
Amdt #:	4				



Airport ID:	KMKC	FM 9			
Apt Name:	CHARLES B WHEELER DOWNTOWN	No	SEGMENT	OBSTRUCTION	ELEV
City:	KANSAS CITY	7	LOC FINAL	TOWER	1255
State:	MO	8	LOC STEP-DOWN	ELEVATOR	982
Scale:	1:100,000	11	CIRC CAT A	TOWER	1072
Proc ID:	ILS OR LOC RWY 3	12	CIRC CAT B,C,D	TOWER	1084
Amdt #:	4				

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TOP VORTAC (IAF)	HEPTO/RIS 11.20 DME/RADAR	099.60 / 39.26	3000
OLATH/RIS 16.92 DME/RADAR (IAF)	HEPTO/RIS 11.20 DME/RADAR	031.29 / 5.72 (I-GQR)	3000
HEPTO/RIS 11.20 DME/RADAR (IF)	FENEN/RIS 5.23 DME/RADAR	031.29 / 5.97 (I-GQR)	2400

MISSED APPROACH

ILS: DA
LOC: 5.06 MILES AFTER FENEN/RIS 5.23 DME/RADAR

CLIMB TO 3000 ON HEADING 031.29 AND ANX VORTAC R-295 TO ANX VORTAC AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 3000 ON HEADING 031.29 AND MCI VORTAC R-089 TO LYMES INT/MCI VORTAC 29.18 DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD SE, RT, 332.93 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD E LYMES INT, LT, 269.01 INBOUND.
CHART FAS OBST: 982 ELEVATOR 390522N/0943739W
CHART IN PLANVIEW: LYMES INT.
CHART: (CFMCC) AT FTP
CHART PLANVIEW NOTE: LOC OFFSET 2.15 DEGREES. FAC CROSSES RWY C/L EXTENDED 2727 FROM THLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT HEPTO/RIS 11.20 DME/RADAR
3. FAC: 031.29 FAF: FENEN/RIS 5.23 DME/RADAR DIST FAF TO MAP: 5.06 THLD: 5.06
4. MIN. ALT: HEPTO 3000, FENEN 2400, WIKTU/RIS 2.77 DME 1560**
5. DIST TO THLD FROM OM: - MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 989
6. MIN GS INCPT: 2400 GS ALT AT: FENEN 2400 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 44.1
8. MSA FROM: RIS VOR/DME 3100

MAG VAR: 5E EPOCH YEAR: 1985

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A ILS: # LOC: @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
S-ILS 3	993	4000	250	993	4000	250	993	4000	250		NA				
S-LOC 3	1560	5500	817	1560	6000	817	1560	2 1/2	817		NA				
CIRCLING	1560	1	803	1560	1 1/4	803	1560	2 1/2	803	1560	2 1/2	803			
WIKTU FIX MINIMUMS*															
S-LOC 3	1240	5500	497	1240	5500	497	1240	1 3/8	497		NA				
CIRCLING	1380	1	623	1400	1	643	1400	1 3/4	643	1400	2	643			

NOTES:
CHART NOTE: CIRCLING NA E OF RWY 1-19.
CHART NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA.
CHART PLANVIEW NOTE: DME OR RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
(SEE FORM 8260-10)

CAT A, B 900-2, CAT C 900-2 1/2
@ CAT A, B 900-2, CAT C 900-2 1/2

QUALITY CHECKED

CITY AND STATE	ELEVATION: 757 THRE: 743 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	CHARLES B. WHEELER DOWNTOWN	I-GQR	ILS OR LOC RWY 3, AMDT 4	AMDT: 3
				DATED 05/03/2012

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		ROUTINE

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] ZKC, MCI APP CON, MKC ATCT, AMGR

FLIGHT CHECKED BY

NAME:	FIFO	DATE:
ANTHONY DOMINIC VALLERA	FIOG	04/02/2012

DEVELOPED BY

NAME:	FIFO	DATE:
JOSE ALFONSO (JOHN R. LINDSEY)	AJV-353	12/30/2011

APPROVED BY

NAME:		FIFO	DATE:
GREGORY YAMAMOTO	MANAGER	AVN-120	04/25/2012

CHANGES:

1. CHANGED FTP CNF FIX NAME FROM TIKGO TO CFMCC.
2. CHANGED OJC INITIAL TO TOP INITIAL.
3. ADDED CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TOP AIRWAY RADIALS 072 CW 131.

REASONS:

1. PER CNF FIX NAMING CONVENTION.
2. OJC DECOMMISSIONING.
3. TURNS IN EXCESS OF 120 DEGREES, IAW 82600.19D PARA 805.

PDF EDITS:
8260-3:
REMOVED "STANDARD" AND CAT D VALUES AND ADDED SYMBOLS TO ALTERNATE MINIMUMS.
8260-9:
ADDED LAWRS TO BLOCK 2.
CORRECTED ELEV GP ANTENNA AND ELEV RWY THLD IN BLOCK 8.

05/18/2012. THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 04/05/2012.
CHANGED PROFILE STARTS FROM OLATH/RIS 16.92 DME/RADAR TO HEPTO/RIS 11.20 DME/RADAR.

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.29

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NOTES, (CONT.):
****LOC ONLY**
CHART NOTE: CIRCLING NA FOR CAT D TO RWY 3.
***DME FROM RIS VOR/DME.**
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON TOP AIRWAY RADIALS 072 CW 131.

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 757 THRE: 743 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	CHARLES B. WHEELER DOWNTOWN	I-GQR	ILS OR LOC RWY 3, AMDT 4	AMDT: 3
				DATED: 04/05/2012

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY

NAME:	FIFO	DATE:

DEVELOPED BY

NAME:	FIFO	DATE:

APPROVED BY

NAME:	FIFO	DATE:

CHANGES:

REASONS:

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ARINC PACKET - 424-18 - ILS

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
        SUSAD        RIS   K3011140VDTW N39071340W094354773    N39071340W094354773E0050007400     NARRIVERSIDE
        SUSAD        TOP   K3011780VTLW N39081360W095325682    N39081360W095325682E0050010701     NARTOPEKA

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   FENEN K30    R     N39025792W094394265                      E0023     NAR           FENEN
        SUSAEAENRT   HEPTO K30    R     N38580893W094441400                      E0023     NAR           HEPTO
        SUSAEAENRT   OLATH K30    R     N38533157W094483369                      E0024     NAR           OLATH

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKCK3AMKC     0     068YHN39072257W094353416E005000757         1800018000C    MNAR    CHARLES B. WHEELER DOWNTOWN

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKCK3FI03   AOLATH 010OLATHK3EA0E  A    IF                                                18000                 0 NS
        SUSAP KMKCK3FI03   AOLATH 020HEPTOK3EA0EE B    CF IGQRK3      2113011803130057PI  + 03000                                0 NS
        SUSAP KMKCK3FI03   ATOP   010TOP  K3D 0V  A    FC TOP K3      0000000009960373D   + 03000     18000                  0 NS
        SUSAP KMKCK3FI03   ATOP   020HEPTOK3EA0EE B    CF IGQRK3      2113011809960020PI  + 03000                                0 NS
        SUSAP KMKCK3FI03   I      010HEPTOK3EA0E  I    IF IGQRK3      21130118        PI  J 030000240018000                  0 NS
        SUSAP KMKCK3FI03   I      020FENENK3EA0E  F    CF IGQRK3      2113005803100060PI  H 0240002400        -300RIS   K3D 0 NS
        SUSAP KMKCK3FI03   I      030RW03 K3PG0GY M    CF IGQRK3      2100000803100051PI    00787             -300           0 NS
        SUSAP KMKCK3FI03   I      040         0  M     VI                      0313                                            0 NS
        SUSAP KMKCK3FI03   I      050ANX  K3D 0VY      CF ANX K3      0000000011500190D   + 03000                                0 NS
        SUSAP KMKCK3FI03   I      060ANX  K3D 0VE  R   HM                      3329T010    + 03000                                0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKCK3GRW03    0050500334 N39070254W094355071+0000    +0194000743050044100IIGQR1

                1         2         3         4         5         6         7         8         9         0         1         2         3
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKCK3IIGQR1   011175RW03 N39074042W0943516620313N39071250W0943546640123 09890600300E00504400743

                1         2         3         4         5         6         7         8         9         0         1         2         3
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 757 THRE: 743	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	AIRPORT NAME: CHARLES B. WHEELER DOWNTOWN	I-GQR	ILS OR LOC RWY 3, AMDT 4	AMDT: 3
				DATED: 05/03/2012

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
ILS STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICES - FAR PART 97.29

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```
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKCK3SRIS  K3D                0   18018003125                                                                M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 757 THRE: 743	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	AIRPORT NAME: CHARLES B. WHEELER DOWNTOWN	I-GQR	ILS OR LOC RWY 3, AMDT 4	AMDT: 3
				DATED: 05/03/2012

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	OLATH	OLATH	010	IAF	IF		FB					
	OLATH	HEPTO	020		CF		FB		031.3()	005.7	AA 03000	
	TOP	TOP	010	IAF	FC		FB		099.6()	037.3	AA 03000	
	TOP	HEPTO	020		CF		FB		099.6()	002.0	AA 03000	
		HEPTO	010	FACF	IF		FB				AA 03000 GI 02400	
		FENEN	020	FAF	CF		FB		031.0()	006.0	GI 02400 GS 02400	
		RW03	030	MAP	CF		FO		031.0()	005.1	AT 00787	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		031.3()			
	ANX	050		CF		FO		115.0()	019.0	AA 03000	
	ANX	060		HM	R	FO		332.9()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	RIS	N390713.40	W0943547.73	N3907.223	W09435.796
	TOP	N390813.60	W0953256.82	N3908.227	W09532.947
	FENEN	N390257.92	W0943942.65	N3902.965	W09439.711
	HEPTO	N385808.93	W0944414.00	N3858.149	W09444.233
	OLATH	N385331.57	W0944833.69	N3853.526	W09448.562
	RW03	N390702.54	W0943550.71	N3907.042	W09435.845
	IGQR (LOC)	N390740.42	W0943516.62	N3907.674	W09435.277

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	00743	44

CITY AND STATE	ELEVATION: 757 THRE: 743	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	AIRPORT NAME: **CHARLES B. WHEELER DOWNTOWN**	**I-GQR**	**ILS OR LOC RWY 3, AMDT 4**	AMDT: **3**
				DATED: **05/03/2012**

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC PACKET - 424-18 - LOC

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD        ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON
          SUSAD        RIS   K3011140VDTW N39071340W094354773    N39071340W094354773E0050007400     NARRIVERSIDE
          SUSAD        TOP   K3011780VTLW N39081360W095325682    N39081360W095325682E0050010701     NARTOPEKA

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT   FENEN K30    R     N39025792W094394265                    E0023     NAR          FENEN
          SUSAEAENRT   HEPTO K30    R     N38580893W094441400                    E0023     NAR          HEPTO
          SUSAEAENRT   OLATH K30    R     N38533157W094483369                    E0024     NAR          OLATH
          SUSAEAENRT   WIKTU K30    R     N39045728W094375035                    E0022     NAR          WIKTU

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMKCK3AMKC     0     068YHN39072257W094353416E005000757         1800018000C    MNAR    CHARLES B. WHEELER DOWNTOWN

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMKCK3FL03   AOLATH 010OLATHK3EA0E  A    IF                                          18000                 0 NS
          SUSAP KMKCK3FL03   AOLATH 020HEPTOK3EA0EE B    CF IGQRK3      2113011803130057PI  + 03000                       0 NS
          SUSAP KMKCK3FL03   ATOP   010TOP  K3D 0V  A    FC TOP K3      000000000960373D    + 03000     18000             0 NS
          SUSAP KMKCK3FL03   ATOP   020HEPTOK3EA0EE B    CF IGQRK3      2113011809960020PI  + 03000                       0 NS
          SUSAP KMKCK3FL03   L      010HEPTOK3EA0E  I    IF IGQRK3      21130118         PI + 03000     18000             0 NS
          SUSAP KMKCK3FL03   L      020FENENK3EA0E  F    CF IGQRK3      2113005803100060PI  + 02400                RIS   K3D 0 NS
          SUSAP KMKCK3FL03   L      021WIKTUK3EA0E S     CF IGQRK3      2113003403100025PI  + 01560           -301          0 NS
          SUSAP KMKCK3FL03   L      030RW03 K3PG0GY M    CF IGQRK3      2100000803100026PI    00787           -301          0 NS
          SUSAP KMKCK3FL03   L      040         0  M     VI                      0313                                       0 NS
          SUSAP KMKCK3FL03   L      050ANX  K3D 0VY      CF ANX K3      00000000115001900D  + 03000                       0 NS
          SUSAP KMKCK3FL03   L      060ANX  K3D 0VE  R   HM                    3329T010    + 03000                       0 NS

          1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMKCK3GRW03    0050500334 N39070254W094355071+0000    +019400074305004410OIIGQR1

          1         2         3         4         5         6         7         8         9         0         1         2         3
ILS       12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMKCK3IIGQR1   011175RW03 N39074042W0943516620313N39071250W0943546640123 0989060030OE00504400743
```

QUALITY 1 CHECKED

CITY AND STATE	ELEVATION: 757 THRE: 743	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	AIRPORT NAME: **CHARLES B. WHEELER DOWNTOWN**	**I-GQR**	**ILS OR LOC RWY 3, AMDT 4**	AMDT: **3**
				DATED: **05/03/2012**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMKCK3SRIS  K3D                0   18018003125                                                                        M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 757 THRE: 743	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	AIRPORT NAME: CHARLES B. WHEELER DOWNTOWN	I-GQR	ILS OR LOC RWY 3, AMDT 4	AMDT: 3
				DATED: 05/03/2012

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

ARINC SUMMARY - 424-18 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	OLATH	OLATH	010	IAF	IF		FB					
	OLATH	HEPTO	020		CF		FB		031.3()	005.7	AA 03000	
	TOP	TOP	010	IAF	FC		FB		099.6()	037.3	AA 03000	
	TOP	HEPTO	020		CF		FB		099.6()	002.0	AA 03000	
		HEPTO	010	FACF	IF		FB				AA 03000	
		FENEN	020	FAF	CF		FB		031.0()	006.0	AA 02400	
		WIKTU	021	SDF	CF		FB		031.0()	002.5	AA 01560	
		RW03	030	MAP	CF		FO		031.0()	002.6	AT 00787	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		VI		FB		031.3()			
	ANX	050		CF		FO		115.0()	019.0	AA 03000	
	ANX	060		HM	R	FO		332.9()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	RIS	N390713.40	W0943547.73	N3907.223	W09435.796
	TOP	N390813.60	W0953256.82	N3908.227	W09532.947
	FENEN	N390257.92	W0943942.65	N3902.965	W09439.711
	HEPTO	N385808.93	W0944414.00	N3858.149	W09444.233
	OLATH	N385331.57	W0944833.69	N3853.526	W09448.562
	WIKTU	N390457.28	W0943750.35	N3904.955	W09437.839
	RW03	N390702.54	W0943550.71	N3907.042	W09435.845
	IGQR (LOC)	N390740.42	W0943516.62	N3907.674	W09435.277

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW03	00743	44

QUALITY CHECKED

CITY AND STATE	ELEVATION: 757	THRE: 743	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	AIRPORT NAME: **CHARLES B. WHEELER DOWNTOWN**		**I-GQR**	**ILS OR LOC RWY 3, AMDT 4**	AMDT: **3**
					DATED: **05/03/2012**

ALL AFFECTED PROCEDURES REVIEWED? ☐ YES ☐ NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	TOP VORTAC	HEPTO/RIS 11.20	1. TOWER (20-001738)	390045.00N/0950147.00W	1895 (2C)	1000	AT105	3000
		DME/RADAR	2. TERRAIN	390923.50N/0951905.70W	1185 (1200)		AS1500	2700
INITIAL	OLATH/RIS 16.92	HEPTO/RIS 11.20	3. TOWER (20-001385)	385610.00N/0945042.00W	1550 (5D)	1000	AT450	3000
	DME/RADAR	DME/RADAR	2. TERRAIN	385115.00N/0944424.00W	1096 (1100)		AS1500	2600
INTERMEDIATE	HEPTO/RIS 11.20	FENEN/RIS 5.23	4. TOWER (20-000874)	390058.00N/0944124.00W	1474 (3C)	500	AT426	2400
	DME/RADAR	DME/RADAR	5. TERRAIN	390015.00N/0944018.00W	1083 (1100)		AS1000	2100
FINAL: ILS	FENEN/RIS 5.23	DA	6. BRIDGE (29-000375)	390700.00N/0943601.00W	760 (1A)	ASC		993/250
	DME/RADAR							
FINAL: LOC	FENEN/RIS 5.23	WIKTU/RIS 2.77	7. TOWER (20-001255)	390344.00N/0943821.00W	1255 (5D)	250	AC50	1560
	DME/RADAR	DME						
FINAL: LOC STEPDOWN	WIKTU/RIS 2.77	5.06 MILES AFTER	8. ELEVATOR	390522.00N/0943739.00W	982 (1A)	250		1240
	DME	FENEN/RIS 5.23	(20-001196)					
		DME/RADAR						
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / 5.06 MILES	ANX VORTAC				ASC		3000
	AFTER FENEN/RIS		9. STACK (29-000319)	391043.00N/0941103.00W	1425 (1D)	1000		2500
ELEV:	806/990		10. TERRAIN	391615.00N/0942715.00W	1034 (1000)		AS1500	2500

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	803 / 623	11. TOWER (20-001197)	390649.00N/0943724.00W	1072 (1B)	300	SI	1560 / 1380
CATEGORY B	1.5 NM		450		803 / 643	12. TOWER (20-000229)	390653.00N/0943745.00W	1084 (2B)	300	SI	1560 / 1400
CATEGORY C	1.7 NM		450		803 / 643	12. TOWER (20-000229)	390653.00N/0943745.00W	1084 (2B)	300	SI	1560 / 1400
CATEGORY D	2.3 NM		550		803 / 643	12. TOWER (20-000229)	390653.00N/0943745.00W	1084 (2B)	300	SI	1560 / 1400
CATEGORY E	4.5 NM		550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RIS VOR/DME

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (29-000027)	175/ 02.9	2049 (1A)	3100					

CITY AND STATE	ELEVATION: 757 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
KANSAS CITY, MO	CHARLES B. WHEELER DOWNTOWN	I-GQR	ILS OR LOC RWY 3, AMDT 4	ACE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
ZKC ARTCC MCI APP CON MKC TOWER	N W S F A A A / C OTHER: ASOS LAWRS	SOURCE: KMKC DISTANCE: HOURS REMOTE OPERATION:
SATISFACTORY ON:		
X V H F X U H F H F	LOCATION: KMKC	ADJUSTMENT:

4. MONITOR STATUS

PRIMARY NAVAID: I-GQR

MONITOR POINT:

HRS OPTN: CAT 1 / CAT 3

5. APPROACH & RUNWAY LIGHTING

	ALS
	(S) SALS
X	MALSF 19 (PCL)
X	HIRL 21, 01, 19, 03
	MIRL
X	REIL 21, 01
	TDZ
	C/LINE
X	OTHER (SPECIFY) PAPI-4L 19 RAIL 01 VASI-4L 21, 01, 03

6. RUNWAY MARKINGS

BASIC

ALL WEATHER PIR-G 19, 03

INSTRUMENT NPI-G 21, 01

7. RUNWAY VISUAL RANGE

APPROACH 19, 03

MIDFIELD

ROLL OUT

8. GLIDE PATH

GP ANGLE: 3.00

DISTANCE FROM RWY: 989

ELEV RWY THRESHOLD: 742.6

ELEV GP ANTENNA: 743.0

THRESHOLD CROSSING HEIGHT: 44.1

9. FINAL APPROACH COURSE AIMING

	RUNWAY THRESHOLD 2727	FT. FROM THRESHOLD
X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: JOSE ALFONSO (JOHN R. LINDSEY)

DATE: 12/30/2011

TITLE: AERONAUTICAL INFORMATION SPECIALIST

OFFICE: AJV-353

PART C - REMARKS:

VDP NOT ESTABLISHED - FINAL FACILITY DOES NOT HAVE DME.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

BLOCK 3: ALTIMETER SETTING
SOURCE: KMKC

KMKC ASOS IS ON SERVICE-A.
NO BACKUP ALTIMETER SETTING REQUIRED, REDUNDANT SOURCES AVAILABLE.

RWY 03 THLD DISPLACED 500 FT.

AVERAGE VEGETATION ASSUMED TO BE 80 FEET PER CENTRAL FPT.

MAGVAR NOT UPDATED PER FPT, 2010 VALUE IS -2E.

NO ADDITIONAL AIRSPACE REQUIRED.

VGSI DATA: 3.00/50 TCH

ILS FINAL OFFSET 2.15 DEGREES. MIN HAT IS 250.

TERPS, VOLUME ONE, VISUAL PORTIONS OF FINAL PENETRATIONS:
34:1:
798 FT MSL TREE (KMKC0045) 390643.16N/0943600.35W (1.19)
762 FT MSL LEVEE (KMKC0042) 390659.37N/0943602.46W (1.16)
760 FT MSL RD (N) (KMKC0040) 390700.04N/0943601.13W (2.59)
849 FT MSL CRANE (29-001393) 390641.10N/0943621.95W (17.62)
760 FT MSL BRIDGE (29-000375) 390700.00N/0943601.00W (2.67)
RWY 21
20:1:
785 FT MSL POLE (KMKC0035) 390737.56N/0943511.36W (8.70)
FPT NOTIFIED.

CIRCLING RESTRICTIONS RETAINED FROM PREVIOUS REVISION.

STRAIGHT IN CAT D NOT DEVELOPED PER CENTRAL FPT REQUEST.

FLIGHT CHECK RDH: 44.13 FT.

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 3000
9. STACK (29-000319) 391043.00N/0941103.00W 1425 (1D)
1000 2500
13. TERRAIN 391951.00N/0940754.00W 1083 (1100) AS1500
2600

RADIO FIX AND HOLDING DATA RECORD

NAME: CFMCC **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 390703.15N/0943551.77W **TYPE:** CNF

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 3			KMKC	KANSAS CITY	MO (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. CHANGED NAME FROM TIKGO TO CFMCC.

DEVELOPED BY: **DATE:** 12/30/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MCI / MKC
OTHER:

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: FENEN **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 390257.92N/0943942.65W **TYPE:** RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	KANSAS CITY	I-GQR	LOC		211.29	216.29		5.83	35453	2400	5200
2	RIVERSIDE	RIS	VOR/DME	T			5.23	5.23		2400	5200

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
KANSAS CITY (FAC 1) AND RIVERSIDE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 3	1, 2		KMKC	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. CHANGED FAC 2 MAA FROM 12000 TO 5200.

DEVELOPED BY: **DATE:** 01/25/2012 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MCI / MKC
OTHER:

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HEPTO **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 385808.93N/0944414.00W **TYPE:** RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	KANSAS CITY	I-GQR	LOC		211.29	216.29		11.80		3000	5200
2	RIVERSIDE	RIS	VOR/DME	T			11.20	11.20		3000	5200

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
KANSAS CITY (FAC 1) AND RIVERSIDE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 3	1, 2		KMKC	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. CHANGED FAC 2 MAA FROM 6000 TO 5200.

DEVELOPED BY: **DATE:** 01/25/2012 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MCI / MKC
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LYMES **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391458.47N/0940645.38W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	KANSAS CITY	MCI	VORTAC	H	089.01	094.01	29.18	29.18		2600	17500
2	NAPOLEON	ANX	VORTAC	L	357.68	004.68		9.27		2600	17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	E	MCI	VORTAC	089.01	269.01	L	1		2500	14000	5	14
2	E		WP	089.01	269.01	L		4	3000	14000	5	14

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-002665)	391818.00N/0940627.00W	1307	2C
2	200	TOWER (29-002665)	391818.00N/0940627.00W	1307	2C
2	265	TOWER (29-004015)	392028.94N/0940856.40W	1323	1A

REASON FOR NONSTANDARD HOLDING:
PAT 2 ATC REQUEST
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
KANSAS CITY (FAC 1) AND NAPOLEON (FAC 2) USED TO ESTABLISH FIX COORDINATES
PAT-2 265 KTS PATTERN EVALUATED FOR MILITARY USE AT KMCI.
PRECIPITOUS TERRAIN EVALUATION COMPLETED

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V13-159-161	1, 2				(US)
EN ROUTE	V4	1, 2				(US)
IAP	ILS OR LOC RWY 19L (ALT MISSED APCH)	1, 2	1	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 1R (ALT MISSED APCH)	1, 2	1	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 9	1, 2	1	KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R CAT II (ALT MISSED APCH)	1, 2	1	KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R CAT III (ALT MISSED APCH)	1, 2	1	KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 9		2	KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 9		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 3 (ALT MISSED APCH)	1, 2	1	KMKC	KANSAS CITY	MO (US)
IAP	RNAV (GPS) RWY 3		2	KMKC	KANSAS CITY	MO (US)
IAP	RNAV (GPS) RWY 29		2	KLXT	LEE'S SUMMIT	MO (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. CHANGED FAC 2 NAME FROM EAST VALLEY/EAST KANS TO NAPOLEON.
2. CHANGED KANSAS CITY (FAC 1) AND EAST VALLEY/EAST KANS (FAC 2) USED TO ESTABLISH FIX COORDINATES REMARK TO READ KANSAS CITY (FAC 1) AND NAPOLEON (FAC 2) USED TO ESTABLISH FIX COORDINATES.

DEVELOPED BY: **DATE:** 12/30/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

QUALITY 5 CHECKED

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MCI APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OLATH **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 385331.57N/0944833.69W **TYPE:** RADAR, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	KANSAS CITY	I-GQR	LOC		211.29	216.29		17.52		3000	5200
2	RIVERSIDE	RIS	VOR/DME	T			16.92	16.92		3000	5200

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
RIVERSIDE (FAC 2) AND KANSAS CITY (FAC 1) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 3	1, 2		KMKC	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. LOWERED FAC 2 MAA FROM 12000 TO 5200.

DEVELOPED BY: **DATE:** 01/25/2012 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MCI / MKC
OTHER:

QUALITY 5 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WIKTU **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 390457.28N/0943750.35W **TYPE:** DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	KANSAS CITY	I-GQR	LOC		211.29	216.29		3.37		1460	5200
2	RIVERSIDE	RIS	VOR/DME	T			2.77	2.77		1460	5200

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
KANSAS CITY (FAC 1) AND RIVERSIDE (FAC 2) USED TO ESTABLISH FIX COORDINATES

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 3	1, 2		KMKC	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 05/31/2012

REASON FOR REVISION:
1. LOWERED FAC 2 MAA FROM 12000 TO 5200.

DEVELOPED BY: **DATE:** 01/25/2012 **OFFICE:** AJV-353 **NAME:** APRIL ALLARD (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MCI / MKC
OTHER:

QUALITY 5 CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: NAPOLEON VORTAC **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 390543.53N/0940743.81W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	NAPOLEON	ANX	VORTAC	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	SE	ANX	VORTAC	149.00	329.00	R	1		3000	6000	4	5
2	E	ANX	VORTAC	088.00	268.00	R	1		3100	6000	8	9
3	E		WP	088.00	268.00	R		4	3000	6000	5	6
4	SE		WP	154.93	334.93	R		4	3700	6000	5	6
5	NW	ANX	VORTAC	319.00	139.00	R	1		2900	6000	4	5
6	SE	ANX	VORTAC	152.93	332.93	R	1		3000	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (29-001419)	390214.00N/0935549.00W	2046	1A
1	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	1A
2	265	TOWER (29-001419)	390214.00N/0935549.00W	2046	1A
3	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	1A
4	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	1A
5	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	1A
6	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	1A

REMARKS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3100.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAKES			KFLV	FORT LEAVENWORTH	KS (US)
DP	LAKES			KIXD	OLATHE	KS (US)
DP	LAKES			KOJC	OLATHE	KS (US)
DP	LAKES			KMCI	KANSAS CITY	MO (US)
DP	LAKES			KMKC	KANSAS CITY	MO (US)
DP	LAKES			KSTJ	ST JOSEPH	MO (US)
EN ROUTE	V10					(US)
EN ROUTE	V12					(US)
EN ROUTE	V13					(US)
EN ROUTE	V159					(US)
EN ROUTE	V161					(US)
EN ROUTE	V206					(US)
EN ROUTE	V424					(US)
IAP	NDB RWY 33			KFLV	FORT LEAVENWORTH	KS (US)
IAP	NDB OR GPS-D			KK34	GARDNER	KS (US)
IAP	ILS OR LOC RWY 36			KIXD	OLATHE	KS (US)
IAP	LOC RWY 36		5	KOJC	OLATHE	KS (US)
IAP	LOC/DME RWY 18		5	KOJC	OLATHE	KS (US)
IAP	NDB-B			KOJC	OLATHE	KS (US)
IAP	VOR RWY 36			KOJC	OLATHE	KS (US)
IAP	VOR OR GPS RWY 19			K3EX	EXCELSIOR SPRINGS	MO (US)
IAP	GPS RWY 27			K3GV	GRAIN VALLEY	MO (US)
IAP	GPS RWY 9			K3GV	GRAIN VALLEY	MO (US)
IAP	VOR OR GPS RWY 23		2	K3GV	GRAIN VALLEY	MO (US)
IAP	VOR/DME RNAV RWY 27			K3GV	GRAIN VALLEY	MO (US)
IAP	ILS OR LOC RWY 19L		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 1R		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 27			KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 9		1	KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT II)		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT III)		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 19		1	KMKC	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 3		6	KMKC	KANSAS CITY	MO (US)
IAP	NDB RWY 19		1	KMKC	KANSAS CITY	MO (US)
IAP	RNAV (GPS) RWY 21		4	KMKC	KANSAS CITY	MO (US)
IAP	VOR RWY 19		1	KMKC	KANSAS CITY	MO (US)
IAP	VOR RWY 21		6	KMKC	KANSAS CITY	MO (US)
IAP	VOR RWY 3		6	KMKC	KANSAS CITY	MO (US)
IAP	RNAV (GPS) RWY 11		3	KLXT	LEE'S SUMMIT	MO (US)
IAP	VOR/DME-A		2	KLXT	LEE'S SUMMIT	MO (US)
IAP	VOR/DME OR GPS RWY 22			K4K3	LEXINGTON	MO (US)
IAP	NDB RWY 36			KMHL	MARSHALL	MO (US)
IAP	ILS OR LOC/DME RWY 18		5	KGPH	MOSBY	MO (US)

IAP	RNAV (GPS) RWY 36	KGPH	MOSBY	MO (US)
IAP	VOR/DME-A	KRCM	WARRENSBURG	MO (US)
STAR	BRAYMER	KMCI	KANSAS CITY	MO (US)
STAR	TYGER	KMCI	KANSAS CITY	MO (US)
STAR	TRAKE	KSTL	ST LOUIS	MO (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 03/08/2012

REASON FOR REVISION:
1. ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED REMARK.
2. ADDED HOLD PAT 6.
3. CHANGED HOLD PAT 4 INBOUND HEADING FROM 329.00 TO 334.93.
4. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 08/19/2011 **OFFICE:** AJV-353 **NAME:** JOSE ALFONSO (JOHN LINDSEY)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: MCI APP CON
OTHER:

QUALITY 5 CHECKED

INFO ONLY

RADIO FIX AND HOLDING DATA RECORD

NAME: TOPEKA VORTAC **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 390813.60N/0953256.82W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FAC FEET	MRA	MAA
1	TOPEKA	TOP	VORTAC	L							17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE	TOP	VORTAC	025.00	205.00	L	1		2800	6000	4	5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (20-000379)	390534.00N/0954705.00W	2049	2D
1	200	TOWER (20-001186)	391204.00N/0953452.00W	1429	4D

REASON FOR NONSTANDARD HOLDING:
PAT 1 AT REQUEST

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3600.

REMARKS:
PRECIPITIOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DES MOINES			KDSM	DES MOINES	IA (US)
EN ROUTE	V131					(US)
EN ROUTE	V280					(US)
EN ROUTE	V4					(US)
EN ROUTE	V508					(US)
EN ROUTE	V71					(US)
EN ROUTE	V77					(US)
IAP	VOR/DME RNAV OR GPS RWY 16			KK59	ATCHISON	KS (US)
IAP	VOR/DME RWY 16			KK59	ATCHISON	KS (US)
IAP	NDB-D OR GPS-D			KK34	GARDNER	KS (US)
IAP	ILS OR LOC RWY 33			KLWC	LAWRENCE	KS (US)
IAP	VOR/DME-A			KLWC	LAWRENCE	KS (US)
IAP	ILS OR LOC/DME RWY 3			KMHK	MANHATTAN	KS (US)
IAP	VOR RWY 3			KMHK	MANHATTAN	KS (US)
IAP	VOR/DME-F			KMHK	MANHATTAN	KS (US)
IAP	ILS OR LOC RWY 36			KIXD	OLATHE	KS (US)
IAP	NDB-B			KOJC	OLATHE	KS (US)
IAP	ILS OR LOC RWY 31			KFOE	TOPEKA	KS (US)
IAP	NDB RWY 13			KFOE	TOPEKA	KS (US)
IAP	TACAN RWY 13			KFOE	TOPEKA	KS (US)
IAP	TACAN RWY 31			KFOE	TOPEKA	KS (US)
IAP	VOR/DME OR TACAN RWY 21		1	KFOE	TOPEKA	KS (US)
IAP	VOR/DME OR TACAN RWY 3			KFOE	TOPEKA	KS (US)
IAP	ILS OR LOC RWY 13		1	KTOP	TOPEKA	KS (US)
IAP	LOC BC RWY 31		1	KTOP	TOPEKA	KS (US)
IAP	RNAV (GPS) RWY 31			KTOP	TOPEKA	KS (US)
IAP	VOR RWY 22		1	KTOP	TOPEKA	KS (US)
IAP	ILS OR LOC RWY 19R			KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 27			KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 9			KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 19R (CATII)			KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 19R (CATIII)			KMCI	KANSAS CITY	MO (US)
STAR	JHAWK			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: DP, STAR, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 04/05/2012

REASON FOR REVISION:

QUALITY CHECK

FIX COORDINATES CHANGED TO MATCH AVNIS RECORD.
INT REMOVED FROM FIX TYPE.
ADDED STAR TO REQUIRED CHARTING.
UPDATED FIX USE.

DEVELOPED BY:	**DATE:** 11/29/2011	**OFFICE:** AJV-353	**NAME:** BEV L BORDY
APPROVED BY:	**DATE:**	**OFFICE:** AJV-353	**NAME:** LARRY STROUT
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZKC
ATC FACILITY: TOP ATCT
OTHER:

QUALITY CHECKED
5