Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 11/15/2010	Task #: 2010111527359502002	Request #: 20101115273595
Procedure: RNAV (RNP) Z RWY 1 R AMDT 1		Airport ID: KMCI	**Airport:** KANSAS CITY INTL		Reimbursable #:
City: KANSAS CITY	**ST:** MO	GPS #:		Estimated Chart Date: 03/07/2013	FICO #:
Fac ID:	**Fac. Type:** RNP		**Specialist:** DONALD LANIER		

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	08/23/2012	11/07/2012	JILL OLSON	
QA:	11/07/2012	11/07/2012	CASIMIR TABAKA	
Liaison:	11/07/2012		Spurlin	WAIVER - MAGVAR

MAG VAR

Procedure Comments: ENROUTE **Remark Type:** INFORMATION

pg 2 of 6

KANSAS CITY, MO KANSAS CITY INTL (KMCI) RNAV (RNP) Z RWY 1R, AMDT 1 (RNP) ENROUTE-YES FC: 1.8.13 PUB: 3.7.13

ATTACHED FORMS: 8260-3; 8260-10; 8260-9; 8260-2(S): BARBQ-INT, REV 3; BAUNR, ORIG; BRSKT, ORIG; BURND, ORIG; BYGEC-INT, REV 3; CFBCK, ORIG; CFBCM, ORIG; CFBCR, ORIG; CFBCS, ORIG; CFBKZ, ORIG; COOKD, ORIG; CYPRE-INT, REV 8; DASHI-INT, REV 9; ELTNN, ORIG; HUGGY, ORIG; JACEY, ORIG; KLUVR, ORIG; KRIKT, ORIG; NAPOLEON (ANX) VTAC, REV 13; RIBBS-INT, REV 3; SAXXO, ORIG; SLOWE, ORIG; SMOKE-INT, REV 2; SMUVE, ORIG; SPICY-INT, REV 3; TAUBE, ORIG; TERKY-INT, REV 3.
CONTACT: JILL OLSON/STEVE BARNETT -AVJ-353 LEADS, 405.954.4014 / 405.954.9307.

NEW

KANSAS CITY, MISSOURI | AL-780 (FAA) | FIG

RNAV (RNP) Z RWY 1R

KANSAS CITY INTL (MCI)

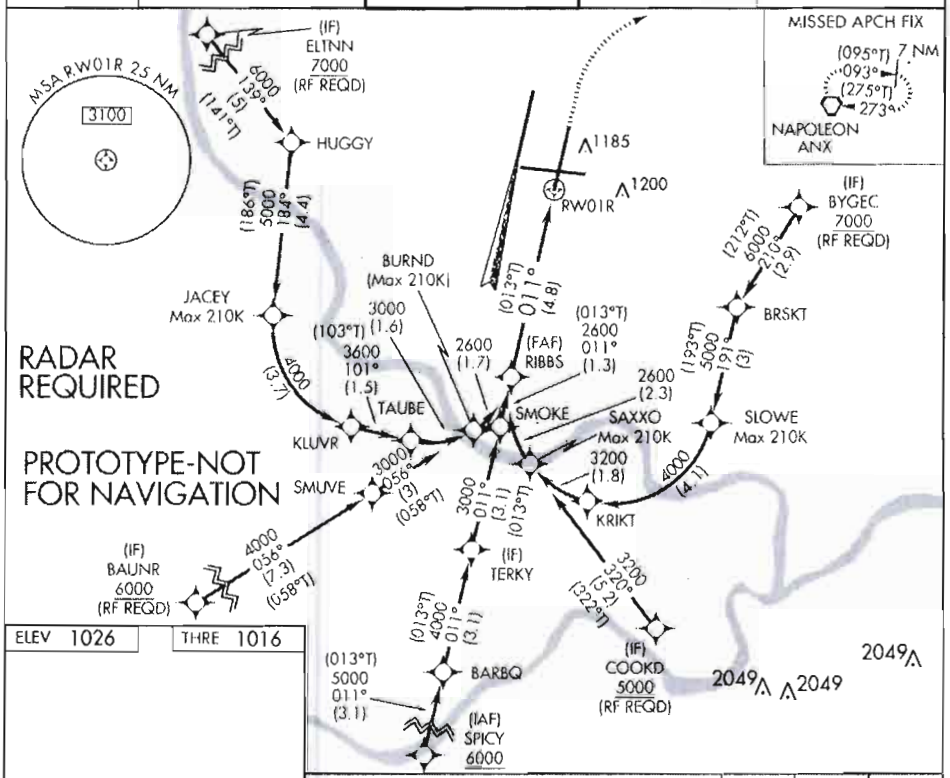
APP CRS	Rwy ldg	9500
011°	THRE	1016
	Apt Elev	1026

For uncompensated Baro-VNAV systems, procedure NA below -20°C (-4°F) or above 54°C (130°F). For inoperative ALSF increase RNP 0.30 visibility to RVR 5000. GPS required. Simultaneous approach authorized with Rwy 1L, except for arrivals at BYGEC, COOKD, BAUNR AND ELTNN. Use of FD or AP providing RNAV track guidance required during simultaneous operations.

ALSF-2

MISSED APPROACH: Climb to 1500 then climbing right turn to 4000 direct ANX VORTAC and hold.

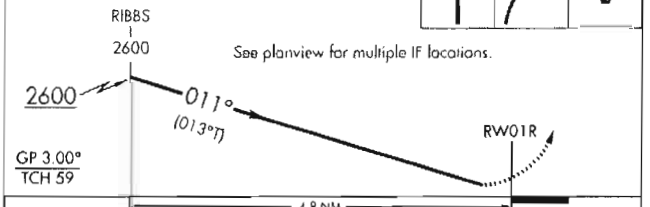
ATIS	KANSAS CITY APP CON	INTERNATIONAL TOWER	GND CON	CLNC DEL
128.375	120.95 318.1	128.2 254.25	121.8	135.7



ELEV 1026 | THRE 1016

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 74).

1500 | 4000 | ANX



CATEGORY	A	B	C	D
RNP 0.30 DA	1282/24 266 (300-½)			

AUTHORIZATION REQUIRED

011° to RW01R

HIRL all Rwys

TDZ/CL Rwys 1L, 1R, 19R and 19L

KANSAS CITY, MISSOURI

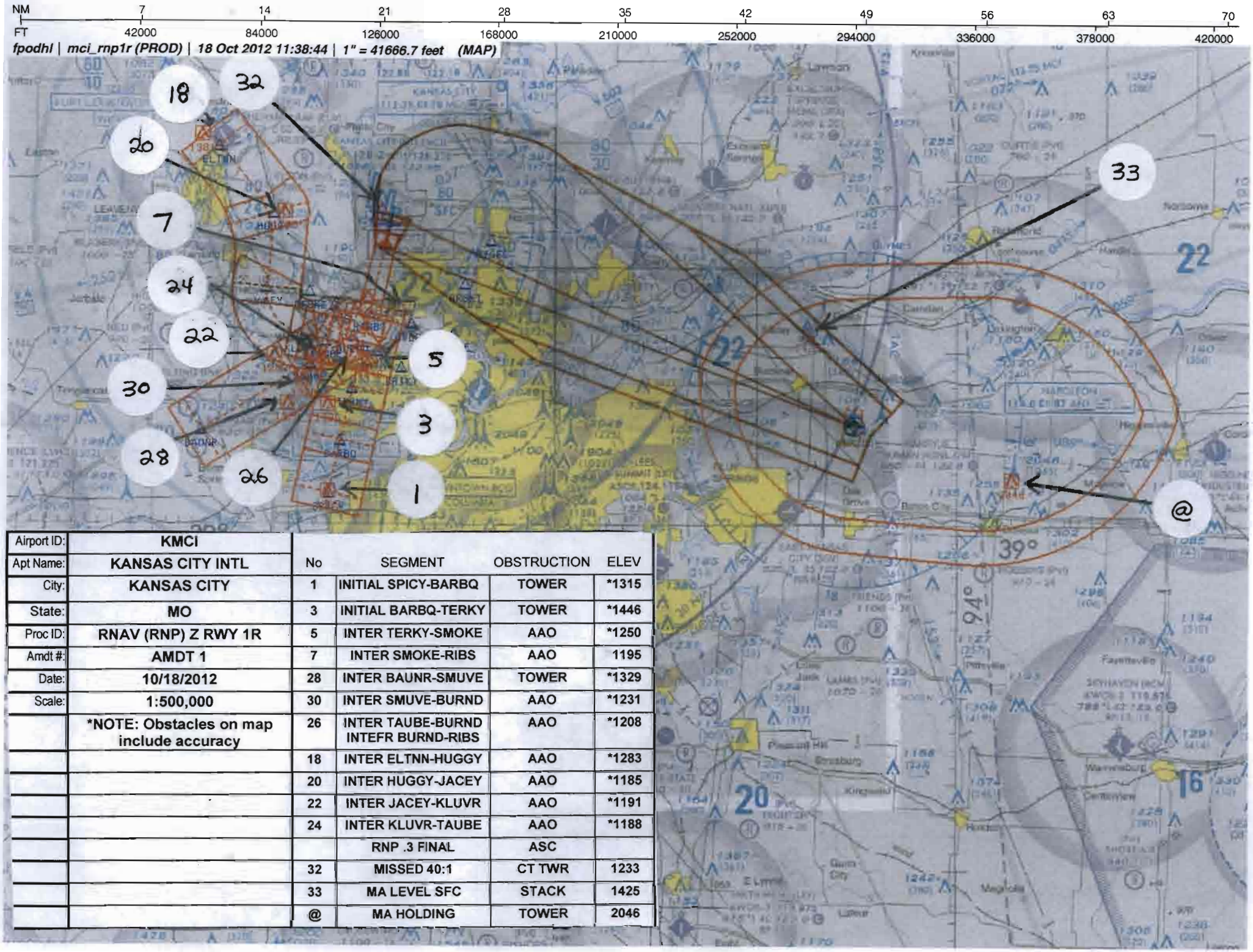
Amdt 1 FIG

39°18'N-94°43'W

KANSAS CITY INTL (MCI)

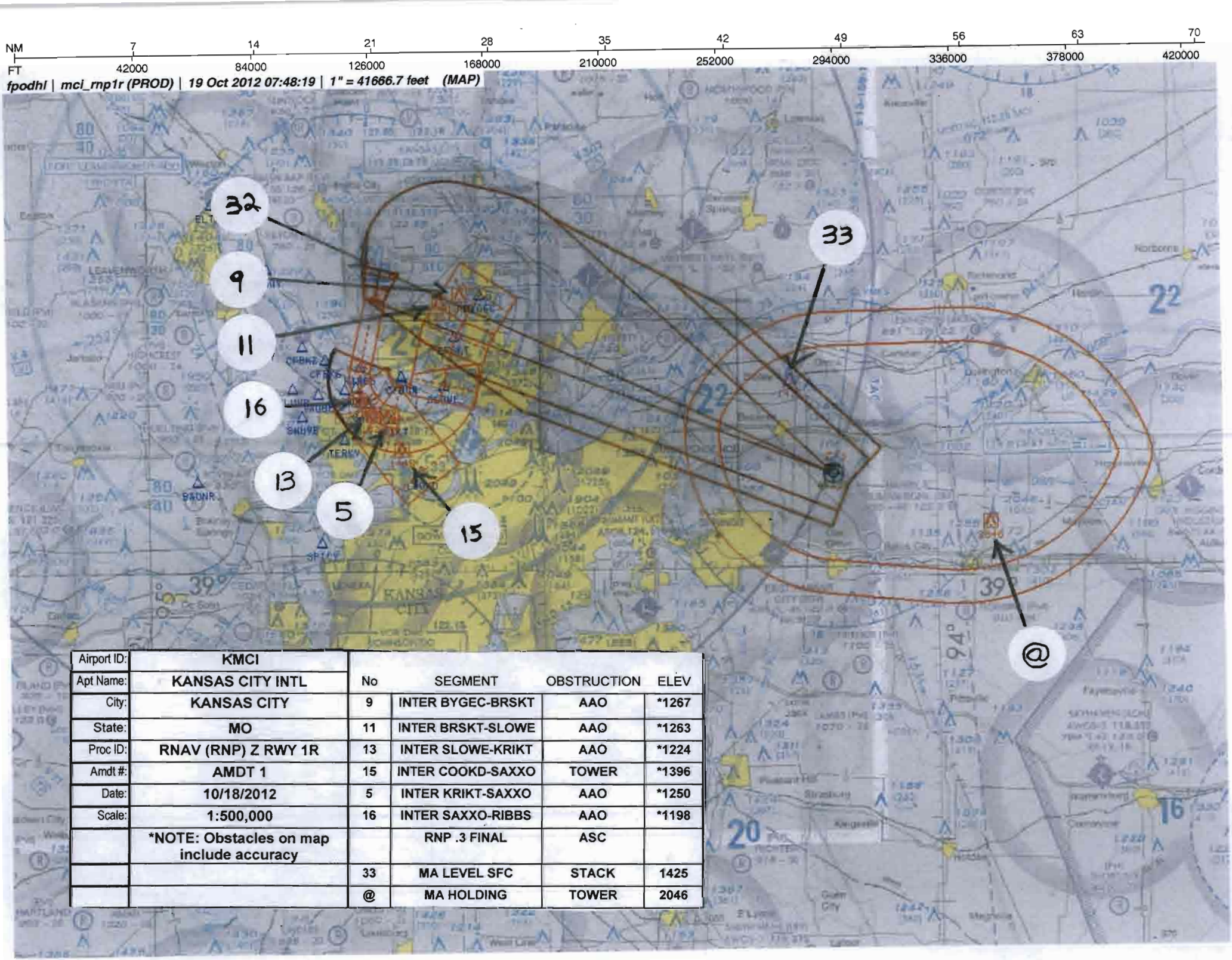
RNAV (RNP) Z RWY 1R

ANX: 3905.726N / 09407.730W BYGEC: 3916.447N / 09434.636W CFBKZ: 3913.480N / 09448.358W
BARBQ: 3904.866N / 09446.084W CFBCK: 3911.643N / 09440.710W COOKD: 3905.958N / 09439.213W
BAUNR: 3905.472N / 09456.404W CFBQM: 3911.655N / 09440.688W ELTNN: 3921.978N / 09455.100W
BRSKT: 3913.956N / 09436.534W CFBCR: 3911.642N / 09440.692W HUGGY: 3918.071N / 09451.070W
BURND: 3910.898N / 09445.134W CFBCS: 3912.687N / 09446.552W JACEY: 3913.737N / 09451.632W
KLUVR: 3910.985N / 09449.093W SAXXO: 3910.073N / 09443.310W
KRIKT: 3909.140N / 09441.441W SLOWE: 3911.076N / 09437.471W
RIBBS: 3912.218N / 09443.919W SMOKE: 3910.992N / 09444.280W TAUBE: 3910.639N / 09447.157W
RW01R: 3916.887N / 09442.538W SMUVE: 3909.330N / 09445.400W TERKY: 3907.929N / 09445.183W
SPICY: 3901.803N / 09446.983W



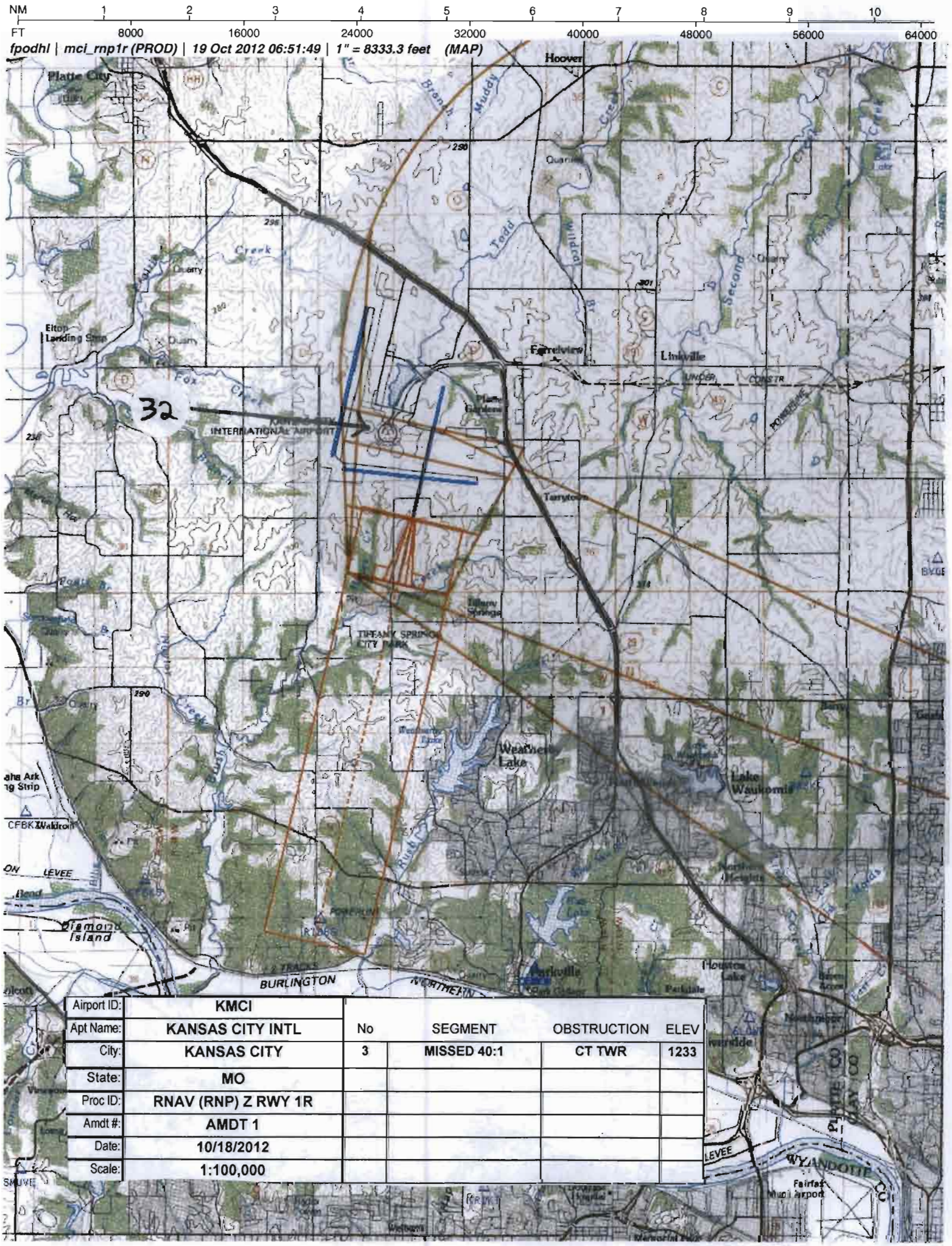
Airport ID:	KMCI
Apt Name:	KANSAS CITY INTL
City:	KANSAS CITY
State:	MO
Proc ID:	RNAV (RNP) Z RWY 1R
Amdt #:	AMDT 1
Date:	10/18/2012
Scale:	1:500,000
	*NOTE: Obstacles on map include accuracy

No	SEGMENT	OBSTRUCTION	ELEV
1	INITIAL SPICY-BARBQ	TOWER	*1315
3	INITIAL BARBQ-TERKY	TOWER	*1446
5	INTER TERKY-SMOKE	AAO	*1250
7	INTER SMOKE-RIBS	AAO	1195
28	INTER BAUNR-SMUVE	TOWER	*1329
30	INTER SMUVE-BURND	AAO	*1231
26	INTER TAUBE-BURND INTEFR BURND-RIBS	AAO	*1208
18	INTER ELTNN-HUGGY	AAO	*1283
20	INTER HUGGY-JACEY	AAO	*1185
22	INTER JACEY-KLUVR	AAO	*1191
24	INTER KLUVR-TAUBE	AAO	*1188
	RNP .3 FINAL	ASC	
32	MISSED 40:1	CT TWR	1233
33	MA LEVEL SFC	STACK	1425
@	MA HOLDING	TOWER	2046



Airport ID:	KMCI
Apt Name:	KANSAS CITY INTL
City:	KANSAS CITY
State:	MO
Proc ID:	RNAV (RNP) Z RWY 1R
Amdt #:	AMDT 1
Date:	10/18/2012
Scale:	1:500,000
	*NOTE: Obstacles on map include accuracy

No	SEGMENT	OBSTRUCTION	ELEV
9	INTER BYGEC-BRSKT	AAO	*1267
11	INTER BRSKT-SLOWE	AAO	*1263
13	INTER SLOWE-KRIKT	AAO	*1224
15	INTER COOKD-SAXXO	TOWER	*1396
5	INTER KRIKT-SAXXO	AAO	*1250
16	INTER SAXXO-RIBBS	AAO	*1198
	RNP .3 FINAL	ASC	
33	MA LEVEL SFC	STACK	1425
@	MA HOLDING	TOWER	2046



Airport ID:	KMCI				
Apt Name:	KANSAS CITY INTL	No	SEGMENT	OBSTRUCTION	ELEV
City:	KANSAS CITY	3	MISSED 40:1	CT TWR	1233
State:	MO				
Proc ID:	RNAV (RNP) Z RWY 1R				
Amdt #:	AMDT 1				
Date:	10/18/2012				
Scale:	1:100,000				

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD, INSTRUMENT APPROACH PROCEDURE, TITLE 14 CFR PART 97.33

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.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
SPICY (IAF)	BARBQ (TF) (FB) (RNP 1.00)	010.89 / 3.14	5000
BARBQ	TERKY (TF) (FB) (RNP 1.00)	010.90 / 3.14	4000
TERKY (IF)	SMOKE (TF) (FB) (RNP 1.00)	010.91 / 3.14	3000
SMOKE	RIBBS (TF) (FB) (RNP 1.00)	010.92 / 1.26	2600
BYGEC (IF)	BRSKT (TF) (FB) (RNP 1.00)	209.96 / 2.93	6000
(SEE FORM 8260-10)			

MISSED APPROACH

RNP: DA

CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 4000 DIRECT ANX VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 273.00 INBOUND.
DISTANCE TO THLD FROM 266 HATH: 0.65 NM.
CHART LOC RWY 1L
ROUTE TYPE: A, H
ROUTE TYPE QUALIFIER 1: F
ROUTE TYPE QUALIFIER 2: S
CHART MINIMUM 7000 AT ELTNN
CHART MINIMUM 7000 AT BYGEC
CHART MINIMUM 6000 AT BAUNR
CHART MINIMUM 6000 AT SPICY
CHART MINIMUM 5000 AT COOKD
#TCH 1075.5 (DO NOT CHART)

MAG VAR: 2E EPOCH YEAR: 2015

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT RIBBS
3. FAC: 010.93 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: RIBBS 2600
5. DIST TO THLD FROM OM: 4.79 MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2600 GS ALT AT: RIBBS 2600 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 59.1# 34:1 IS CLEAR
8. MSA FROM: RW01R 3100

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | STANDARD

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
AUTHORIZATION REQUIRED															
RNP 0.30 DA	1282	2400	266	1282	2400	266	1282	2400	266	1282	2400	266			

NOTES:
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -20C (-4F) OR ABOVE 54C (130F).
CHART NOTE: FOR INOPERATIVE ALSF, INCREASE RNP 0.30 VISIBILITY TO RVR 5000.
CHART NOTE: GPS REQUIRED.
CHART PLANVIEW NOTE AT SAXXO : MAX 210 KIAS.
(SEE FORM 8260-10)

QUALITY A CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1016 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	KANSAS CITY INTL	RNAV	RNAV (RNP) Z RWY 1R, AMDT 1	AMDT: ORIG-C
				DATED 04/05/2012

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, MCI ATCT, AMGR

FLIGHT CHECKED BY

NAME:	FIFO	DATE:
ANTHONY DOMINIC VALLERA	FIOG	12/04/2012

DEVELOPED BY

NAME:	FIFO	DATE:
DONALD H. LANIER	AJV-353	10/17/2012

APPROVED BY

NAME:		FIFO	DATE:
LARRY H STROUT	MANAGER	AJV-353	

CHANGES:

1. UPDATED MAGVAR/EPOCH YEAR FROM 5E/1990 TO 2E/2015.
2. DELETED TRIKE TRANSITION.
3. ADDED ELTNN, BAUNR, SPICY, COOKD, AND BYGEC TRANSITIONS.
4. UPDATED PFAF FROM 4.73 TO 4.79 NM FROM THRESHOLD.
5. UPDATED MISSED APPROACH FROM "CLIMB TO 4000 VIA TRACK 007.94 TO ZASBO AND VIA TRACK 074.46 TO DONNS AND HOLD" TO "CLIMB TO 1500 THEN CLIMBING RIGHT TURN TO 4000 DIRECT ANX VORTAC AND HOLD."
6. UPDATED MISSED APPROACH HOLDING FROM DONNS, E, RT, 254.46 INBOUND TO ANX VORTAC, E, RT, 273.0 INBOUND.
7. ADDED CHART LOC RWY 1L.
8. UPDATED DIST TO THLD FROM 268 HAT: 0.66 NM TO 266 HATH: 0.78 NM.
9. UPDATED ROUTE TYPE FROM A,R TO A, H AND ROUTE TYPE QUALIFIER 1 FROM P TO F.
10. ADDED CHART MINIMUM 7000 AT ELTNN AND BYGEC, MINIMUM 6000 AT BAUNR AND SPICY, MINIMUM 5000 AT COOKD.
11. UPDATED PROFILE STARTS AT FROM BARBQ TO RIBBS.
12. UPDATED FAC FROM 007.93 TO 010.93.
13. UPDATED DIST TO THLD FROM OM FROM 4.73 TO 4.79.

SEE 8260-10

REASONS:

1. CRITERIA.
2,3,5,6. AIR TRAFFIC REQUEST.
4. RNP PFAF LOCATION.
7. CRITERIA.
8. NEW LOWEST HATH.
9. CURRENT ARINC GUIDANCE.
10. AIR TRAFFIC REQUEST.
11. CRITERIA.
12. MAGVAR UPDATE.
13. NEW PFAF LOCATION.
14. CRITERIA.
15. COULD NOT ACHIEVED REQUIRED IMPROVEMENT IN MINS.
16. NEW FINAL OCS SLOPE AND MISSED APPROACH CONTROLLING OBSTACLE/MINS LOWERED PER FPT.
17,18. CRITERIA.
19. AIR TRAFFIC REQUEST; CRITERIA.

12/06/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/17/2012:
CHANGED ALL REFERENCE OF CNF NAME FROM CFBCR TO CFBDD ON 8260-10.

QUALITY 4 CHECKED

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) - STANDARD,
INSTRUMENT APPROACH PROCEDURE, - TITLE 14 CFR PART 97.33

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
BRSKT	SLOWE (TF) (FB) (RNP 1.00)	190.75 / 2.95	5000
SLOWE	KRIKT (RF) (FB) (RNP 1.00)	(2.57 NM RADIUS CW (CFBDD) / 4.05	4000
KRIKT	SAXXO (RF) (FB) (RNP 1.00)	(2.58 NM RADIUS CW (CFBCM) / 1.76	3200
COOKD (IF)	SAXXO (TF) (FB) (RNP 1.00)	320.22 / 5.20	3200
SAXXO	RIBBS (RF) (FB) (RNP 1.00)	(2.56 NM RADIUS CW (CFBCK) / 2.27	2600
ELTNN (IF)	HUGGY (TF) (FB) (RNP 1.00)	139.28 / 5.00	6000
HUGGY	JACEY (TF) (FB) (RNP 1.00)	183.77 / 4.35	5000
JACEY	KLUVR (RF) (FB) (RNP 1.00)	(2.56 NM RADIUS CCW (CFBKZ) / 3.70	4000
KLUVR	TAUBE (TF) (FB) (RNP 1.00)	100.92 / 1.54	3600
TAUBE	BURND (RF) (FB) (RNP 1.00)	(2.10 NM RADIUS CCW (CFBCS) / 1.64	3000
BAUNR (IF)	SMUVE (TF) (FB) (RNP 1.00)	056.21 / 7.32	4000
SMUVE	BURND (TF) (FB) (RNP 1.00)	056.30 / 2.98	3000
BURND	RIBBS (RF) (FB) (RNP 1.00)	(2.10 NM RADIUS CCW (CFBCS) / 1.66	2600
RIBBS (FAF)	RW01R (MAP) (TF) (FO)	010.93 / 4.79	
RW01R (MAP)	1500 MSL (CA)	010.93	1500
1500 MSL	ANX VORTAC (DF) (FO)		4000

NOTES, (CONT.):
CHART PLANVIEW NOTE AT BURND : MAX 210 KIAS.

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1016 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	KANSAS CITY INTL	RNAV	RNAV (RNP) Z RWY 1R, AMDT 1	AMDT: ORIG-C
				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:

CHANGES CONT.
14. ADDED ALTERNATE MINS.
15. REMOVED RNP 0.15 MINIMA.
16. UPDATED RNP 0.30 DA/HAT(H) FROM 1324/307 TO 1282/266 ALL CATS.
17. UPDATED CRITICAL HIGH/LOW TEMPS FROM -1C (30F)/47C (116F) TO -20C (-4F)/54C (130F).
18. UPDATED INOPERATIVE ALSF NOTE.
19. ADDED PLANVIEW NOTES: MAX 210 KIAS AND RF REQUIRED AT JACEY, BURND, SLOWE, SAXXO, SLOWE; RADAR REQUIRED; SEE PLANVIEW FOR MULTIPLE IF LOCATIONS.

REASONS:

QUALITY
4

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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 - RNAV (RNP)

```
          1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID    12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAD       ANX   K3011400VTLW N39054353W094074381    N39054353W094074381E0070008781     NARNAPOLEON

          1         2         3         4         5         6         7         8         9         0         1         2         3
WP        12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAEAENRT  BARBQ K30    C     N39045195W094460501                    E0022    NAR          BARBQ
          SUSAEAENRT  BAUNR K30    W     N39052831W094562423                    E0024    NAR          BAUNR
          SUSAEAENRT  BRSKT K30    W     N39135736W094363802                    E0021    NAR          BRSKT
          SUSAEAENRT  BURND K30    W     N39105390W094450803                    E0022    NAR          BURND
          SUSAEAENRT  BYGEC K30    C     N39162679W094343817                    E0021    NAR          BYGEC
          SUSAEAENRT  CFBCK K30    W     N39113860W094404257                    E0022    NAR          CNF(CFBCK)
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          SUSAEAENRT  CFBCS K30    W     N39124124W094463313                    E0022    NAR          CNF(CFBCS)
          SUSAEAENRT  CFBDD K30    W     N39113852W094404149                    E0022    NAR          CNF(CFBDD)
          SUSAEAENRT  CFBKZ K30    W     N39132878W094482146                    E0023    NAR          CNF(CFBKZ)
          SUSAEAENRT  COOKD K30    W     N39055749W094391277                    E0022    NAR          COOKD
          SUSAEAENRT  ELTNN K30    W     N39215865W094550602                    E0023    NAR          ELTNN
          SUSAEAENRT  HUGGY K30    W     N39180423W094510418                    E0023    NAR          HUGGY
          SUSAEAENRT  JACEY K30    W     N39134423W094513793                    E0023    NAR          JACEY
          SUSAEAENRT  KLUVR K30    W     N39105908W094490560                    E0023    NAR          KLUVR
          SUSAEAENRT  KRIKT K30    W     N39090838W094412645                    E0022    NAR          KRIKT
          SUSAEAENRT  RIBBS K30    C     N39121305W094435513                    E0022    NAR          RIBBS
          SUSAEAENRT  SAXXO K30    W     N39100435W094431862                    E0022    NAR          SAXXO
          SUSAEAENRT  SLOWE K30    W     N39110455W094372826                    E0021    NAR          SLOWE
          SUSAEAENRT  SMOKE K30    C     N39105953W094441681                    E0022    NAR          SMOKE
          SUSAEAENRT  SMUVE K30    W     N39091977W094482398                    E0023    NAR          SMUVE
          SUSAEAENRT  SPICY K30    C     N39014816W094465899                    E0023    NAR          SPICY
          SUSAEAENRT  TAUBE K30    W     N39103833W094470944                    E0022    NAR          TAUBE
          SUSAEAENRT  TERKY K30    C     N39075574W094451095                    E0022    NAR          TERKY

          1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMCIK3AMCI     0     108YHN39175138W094425006E002001026        1800018000C    MNAR    KANSAS CITY INTL

          1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT   12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
          ------------------------------------------------------------------------------------------------------------------------
          SUSAP KMCIK3FH01RZ ABAUNR 010BAUNRK3EA0E  B    IF                    + 06000     18000              A FS
          SUSAP KMCIK3FH01RZ ABAUNR 020SMUVEK3EA0E    010TF                    + 04000                        A FS
          SUSAP KMCIK3FH01RZ ABAUNR 030BURNDK3EA0E    010TF                    + 03000         210            A-FS
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QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1016	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	AIRPORT NAME: **KANSAS CITY INTL**	**RNAV**	**RNAV (RNP) Z RWY 1R, AMDT 1**	AMDT: **ORIG-C**
				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:	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.

```
SUSAP KMCIK3FH01RZ ABAUNR 040RIBBSK3EA0EE  L010RF      0021000563    01090017    + 02600                CFBCS K3EAA FS
SUSAP KMCIK3FH01RZ ABYGEC 010BYGECK3EA0E  B    IF                                 + 07000     18000                A FS
SUSAP KMCIK3FH01RZ ABYGEC 020BRSKTK3EA0E    010TF                                 + 06000                          A FS
SUSAP KMCIK3FH01RZ ABYGEC 030SLOWEK3EA0E    010TF                                 + 05000          210             A-FS
SUSAP KMCIK3FH01RZ ABYGEC 040KRIKTK3EA0E   R010RF      0025701908    28110041    + 04000                CFBDD K3EAA FS
SUSAP KMCIK3FH01RZ ABYGEC 050SAXXOK3EA0E   R010RF      0025802811    32020018    + 03200          210   CFBCM K3EAA-FS
SUSAP KMCIK3FH01RZ ABYGEC 060RIBBSK3EA0EE  R010RF      0025603202    01090023    + 02600                CFBCK K3EAA FS
SUSAP KMCIK3FH01RZ ACOOKD 010COOKDK3EA0E  B    IF                                 + 05000     18000                A FS
SUSAP KMCIK3FH01RZ ACOOKD 020SAXXOK3EA0E    010TF                                 + 03200          210             A-FS
SUSAP KMCIK3FH01RZ ACOOKD 030RIBBSK3EA0EE  R010RF      0025603202    01090023    + 02600                CFBCK K3EAA FS
SUSAP KMCIK3FH01RZ AELTNN 010ELTNNK3EA0E  B    IF                                 + 07000     18000                A FS
SUSAP KMCIK3FH01RZ AELTNN 020HUGGYK3EA0E    010TF                                 + 06000                          A FS
SUSAP KMCIK3FH01RZ AELTNN 030JACEYK3EA0E    010TF                                 + 05000          210             A-FS
SUSAP KMCIK3FH01RZ AELTNN 040KLUVRK3EA0E   L010RF      0025601838    10090037    + 04000                CFBKZ K3EAA FS
SUSAP KMCIK3FH01RZ AELTNN 050TAUBEK3EA0E    010TF                                 + 03600                          A FS
SUSAP KMCIK3FH01RZ AELTNN 060BURNDK3EA0E   L010RF      0021001009    05630016    + 03000          210   CFBCS K3EAA-FS
SUSAP KMCIK3FH01RZ AELTNN 070RIBBSK3EA0EE  L010RF      0021000563    01090017    + 02600                CFBCS K3EAA FS
SUSAP KMCIK3FH01RZ ASPICY 010SPICYK3EA0E  A    IF                                 + 06000     18000                A FS
SUSAP KMCIK3FH01RZ ASPICY 020BARBQK3EA0E    010TF                                 + 05000                          A FS
SUSAP KMCIK3FH01RZ ASPICY 030TERKYK3EA0E  B 010TF                                 + 04000                          A FS
SUSAP KMCIK3FH01RZ ASPICY 040SMOKEK3EA0E    010TF                                 + 03000                          A FS
SUSAP KMCIK3FH01RZ ASPICY 050RIBBSK3EA0EE   010TF                                 + 02600                          A FS
SUSAP KMCIK3FH01RZ H      020RIBBSK3EA1E  F    IF                                 + 02600     18000        RW01R K3PGA FS
SUSAP KMCIK3FH01RZ H      020RIBBSK3EA2W                                              A031                          FS
SUSAP KMCIK3FH01RZ H      030RW01RK3PG0GY M 031TF                                   01076          -300             A FS
SUSAP KMCIK3FH01RZ H      040          0  M     CA                    0109        + 01500                          A FS
SUSAP KMCIK3FH01RZ H      050ANX  K3D 0VY  R   DF                                 + 04000                          A FS
SUSAP KMCIK3FH01RZ H      060ANX  K3D 0VE  R   HM                    27300040    + 04000                          A FS
```

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3GRW01R    0095000109 N39165324W094423239-0400     +027750101600005915OIIPVL3
```

```
            1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KMCIK3SRW01RK3PG              0   18018003125                                                                        M
```

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1016	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	AIRPORT NAME: KANSAS CITY INTL	RNAV	RNAV (RNP) Z RWY 1R, AMDT 1	AMDT: ORIG-C
				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:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (RNP) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

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 - RNAV (RNP)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	BAUNR	BAUNR	010		IF		FB				AA 06000	
	BAUNR	SMUVE	020		TF		FB	1.0			AA 04000	
	BAUNR	BURND	030		TF		FB	1.0			AA 03000	AB 210
	BAUNR	RIBBS	040		RF	L	FB	1.0		001.7	AA 02600	
	BYGEC	BYGEC	010		IF		FB				AA 07000	
	BYGEC	BRSKT	020		TF		FB	1.0			AA 06000	
	BYGEC	SLOWE	030		TF		FB	1.0			AA 05000	AB 210
	BYGEC	KRIKT	040		RF	R	FB	1.0		004.1	AA 04000	
	BYGEC	SAXXO	050		RF	R	FB	1.0		001.8	AA 03200	AB 210
	BYGEC	RIBBS	060		RF	R	FB	1.0		002.3	AA 02600	
	COOKD	COOKD	010		IF		FB				AA 05000	
	COOKD	SAXXO	020		TF		FB	1.0			AA 03200	AB 210
	COOKD	RIBBS	030		RF	R	FB	1.0		002.3	AA 02600	
	ELTNN	ELTNN	010		IF		FB				AA 07000	
	ELTNN	HUGGY	020		TF		FB	1.0			AA 06000	
	ELTNN	JACEY	030		TF		FB	1.0			AA 05000	AB 210
	ELTNN	KLUVR	040		RF	L	FB	1.0		003.7	AA 04000	
	ELTNN	TAUBE	050		TF		FB	1.0			AA 03600	
	ELTNN	BURND	060		RF	L	FB	1.0		001.6	AA 03000	AB 210
	ELTNN	RIBBS	070		RF	L	FB	1.0		001.7	AA 02600	
	SPICY	SPICY	010	IAF	IF		FB				AA 06000	
	SPICY	BARBQ	020		TF		FB	1.0			AA 05000	
	SPICY	TERKY	030		TF		FB	1.0			AA 04000	
	SPICY	SMOKE	040		TF		FB	1.0			AA 03000	
	SPICY	RIBBS	050		TF		FB	1.0			AA 02600	
		RIBBS	020	FAF	IF		FB				AA 02600	
		RW01R	030	MAP	TF		FO	0.3			AT 01076	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		010.9(012.9T)		AA 01500	
	ANX	050		DF	R	FO				AA 04000	
	ANX	060		HM	R	FO		273.0(275.0T)	004.0	AA 04000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ANX	N390543.53	W0940743.81	N3905.726	W09407.730
	BARBQ	N390451.95	W0944605.01	N3904.866	W09446.084
	BAUNR	N390528.31	W0945624.23	N3905.472	W09456.404
	BRSKT	N391357.36	W0943638.02	N3913.956	W09436.634
	BURND	N391053.90	W0944508.03	N3910.898	W09445.134
	BYGEC	N391626.79	W0943438.17	N3916.447	W09434.636

QUALITY CHECK

CITY AND STATE	ELEVATION: 1026	THRE: 1016	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	AIRPORT NAME: **KANSAS CITY INTL**		**RNAV**	**RNAV (RNP) Z RWY 1R, AMDT 1**	AMDT: **ORIG-C**
					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:	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.

CFBCK	N391138.60	W0944042.57	N3911.643	W09440.710
CFBCM	N391139.28	W0944041.29	N3911.655	W09440.688
CFBCS	N391241.24	W0944633.13	N3912.687	W09446.552
CFBDD	N391138.52	W0944041.49	N3911.642	W09440.692
CFBKZ	N391328.78	W0944821.46	N3913.480	W09448.358
COOKD	N390557.49	W0943912.77	N3905.958	W09439.213
ELTNN	N392158.65	W0945506.02	N3921.978	W09455.100
HUGGY	N391804.23	W0945104.18	N3918.071	W09451.070
JACEY	N391344.23	W0945137.93	N3913.737	W09451.632
KLUVR	N391059.08	W0944905.60	N3910.985	W09449.093
KRIKT	N390908.38	W0944126.45	N3909.140	W09441.441
RIBBS	N391213.05	W0944355.13	N3912.218	W09443.919
SAXXO	N391004.35	W0944318.62	N3910.073	W09443.310
SLOWE	N391104.55	W0943728.26	N3911.076	W09437.471
SMOKE	N391059.53	W0944416.81	N3910.992	W09444.280
SMUVE	N390919.77	W0944823.98	N3909.330	W09448.400
SPICY	N390148.16	W0944658.99	N3901.803	W09446.983
TAUBE	N391038.33	W0944709.44	N3910.639	W09447.157
TERKY	N390755.74	W0944510.95	N3907.929	W09445.183
RW01R	N391653.24	W0944232.39	N3916.887	W09442.540

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW01R	01016	59

QUALITY 4 CHECKED

CITY AND STATE	ELEVATION: 1026 THRE: 1016 / AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
KANSAS CITY, MO	KANSAS CITY INTL	RNAV	RNAV (RNP) Z RWY 1R, AMDT 1	AMDT: ORIG-C
				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:	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	SPICY	BARBQ	1. TOWER (20-020067)	390130.13N/0944700.14W	1315 (5D)	1000	AC50 AT2635	5000
(RNP 1.00)			2. TERRAIN	390224.00N/0944409.00W	1057 (1100)		AS1500	2600
INITIAL: STEPDOWN	BARBQ	TERKY	3. TOWER (20-001948)	390632.00N/0944702.00W	1446 (5D)	1000	AC50 AT1504	4000
(RNP 1.00)			4. TERRAIN	390715.00N/0944718.00W	1027 (1000)		AS1500	2500
INTERMEDIATE:	TERKY	SMOKE	5. AAO	390903.00N/0944351.00W	1250 (4E)	500	AC98 AT1152	3000
(RNP 1.00)			6. TERRAIN	390903.00N/0944351.00W	1050 (1100)		AS1500	2600
INTERMEDIATE: STEPDOWN	SMOKE	RIBBS	7. AAO	391200.00N/0944133.00W	1195 (4E)	500	AC98 AT807	2600
(RNP 1.00)			8. TERRAIN	391239.00N/0944624.00W	985 (1000)		AS1500	2500
INTERMEDIATE:	BYGEC	BRSKT	9. AAO	391600.00N/0943612.00W	1267 (4E)	500	AC98 AT4135	6000
(RNP 1.00)			10. TERRAIN	391603.00N/0943609.00W	1067 (1100)		AS1500	2600
INTERMEDIATE: STEPDOWN	BRSKT	SLOWE	11. AAO	391533.00N/0943745.00W	1263 (4E)	500	AC98 AT3139	5000
(RNP 1.00)			12. TERRAIN	391442.00N/0943857.00W	1050 (1100)		AS1500	2600
INTERMEDIATE: STEPDOWN	SLOWE	KRIKT	13. AAO	390857.00N/0944300.00W	1224 (4E)	500	AC98 AT2178	4000
(RNP 1.00)			14. TERRAIN	390739.00N/0944036.00W	995 (1000)		AS1500	2500
2. PROCEDURE TURN								
3. MISSED APPROACH MAP:								
ELEV:								

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.		
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	
CATEGORY B	1.5 NM		450		
CATEGORY C	1.7 NM		450		
CATEGORY D	2.3 NM		550		
CATEGORY E	4.5 NM		550		

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: **RW01R**

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (29-000027)	155/ 13.6	2049 (1A)	3100					

CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
KANSAS CITY, MO	ELEVATION: 1026 AIRPORT NAME: KANSAS CITY INTL	RNAV	RNAV (RNP) Z RWY 1R, AMDT 1	ACE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
MCI TOWER MCI APP CON ZKC ARTCC	N W S / OTHER: ASOS F A A A / C	SOURCE: KMCI DISTANCE: HOURS REMOTE OPERATION: 24
SATISFACTORY ON: X V H F X U H F H F	LOCATION:	ADJUSTMENT: 0

4. MONITOR STATUS

PRIMARY NAVAID:

MONITOR POINT:

HRS OPTN: CAT 1

HRS OPTN: CAT 3

5. APPROACH & RUNWAY LIGHTING

X	ALSF-2 01R, 19R
	(S) SALS
X	MALSR 19L, 27, 01L, 09
X	HIRL 01R, 19L, 27, 01L, 09, 19R
	MIRL
	REIL
X	TDZ 01R, 19L, 01L, 19R
X	C/L 01R, 19L, 27, 01L, 09, 19R
X	OTHER (SPECIFY) PAPI-4L 01R, 27, 01L, 19R

6. RUNWAY MARKINGS

BASIC

ALL WEATHER PIR-G 01R, 19L, 27, 01L, 09, 19R

INSTRUMENT

7. RUNWAY VISUAL RANGE

APPROACH 01R, 19L, 27, 01L, 09, 19R

MIDFIELD 01R, 19L, 01L, 19R

ROLL OUT 01R, 19L, 27, 01L, 19R

8. GLIDE PATH

GP ANGLE: 3.00

DISTANCE FROM RWY:

ELEV RWY THRESHOLD: 1016.4

ELEV GP ANTENNA:

THRESHOLD CROSSING HEIGHT: 59.1

9. FINAL APPROACH COURSE AIMING

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

10. WAIVERS: 1

ORDER 8260.52, PARAGRAPH 2.4; TABLE 2-1 INTERMEDIATE SEGMENT DESCENT GRADIENT EXCEEDS MAXIMUM ALLOWABLE.

PART D - PREPARED BY: DONALD H. LANIER

DATE: 10/17/2012

TITLE: AERONAUTICAL INFORMATION SPECIALIST

OFFICE: AJV-353

PART C - REMARKS:

MAX SPEED SLOWE TO KRIKT - 210 KIAS.

MAX SPEED SAXXO TO RIBBS - 210 KIAS.

MAX SPEED BURND TO RIBBS - 210 KIAS.

MAX SPEED JACEY TO KLUVR - 210 KIAS.

VDP NOT ESTABLISHED - RNP PROCEDURE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/74.

3. KMCI ASOS ON SERVICE-A.

BACKUP ALTIMETER NOT PUBLISHED DUE TO REDUNDANT WEATHER SOURCES AT AIRPORT.

WAIVER: FAAO 8260.52 PARA 2.4 TABLE 2-1 INTERMEDIATE SEGMENT DESCENT GRADIENT EXCEEDS MAXIMUM ALLOWABLE.

SEE ATTACHED AIRSPACE LETTER.

AUTHORIZATION REQUIRED (AR). FAAO 8260.52 CRITERIA USED; IPDS USED FOR FINAL AND MISSED ; IAPA USED FOR ALL OTHERS.

BARO-VNAV NA BELOW -20C (-4F) OR ABOVE 54C (130F). DESCENT RATE: STANDARD TEMP 967 HIGH TEMP 1129 HIGH TEMPERATURE LIMIT AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR.

ISA DEVIATION USED: -32.97C (-27.34F)

AVERAGE COLD TEMPERATURE BASED ON 5-YEAR HISTORY (2007-2011); ACT: -20C.

PROCEDURE ENTRY TRANSITIONS ESTABLISHED PER AIR TRAFFIC/LEAD CARRIER REQUEST. FOR TRANSITIONS NOT TIED TO ENROUTE; RADAR REQUIRED FOR PROCEDURE ENTRY.

210 KIAS MAX USED IN INTERMEDIATE RF SEGMENTS PER FPT/LEAD CARRIER REQUEST TO REDUCE TURN RADIUS AND BANK ANGLE IAW AFS MEMO DATED 10/3/2011.

RNP 0.30 REQUIRED TO SUPPORT MINIMUM SEGMENT LENGTH REQUIREMENTS.

80' VEGETATION USED PER FPT.

VEB DATA: SEE ATTACHED SPREADSHEETS.

MISSED APPROACH: FAAO 8260.54A PARA 4.4 AND 6.2 USED FOR MISSED APPROACH DEVELOPMENT; IPDS USED FOR EVALUATION.

RNP 1.0 USED/MANUALLY EVALUATED IN SEGMENTS KLUVR TO TAUBE, TAUBE TO BURND, BURND TO RIBBS, KRIKT TO SAXXO, AND SAXXO TO RIBBS PER AFS MEMO DATED 2/6/12.

RF SEGMENT RADIUS/BANK ANGLE COMPUTATIONS*:
SEGMENT ALT KIAS KTAS HAA VKTW TR BA
JACEY-KLUVR 5000 210 231.00 3974.3 52 2.56 24.55
TAUBE-BURND 3600 210 203.68 2574.3 49 2.10 23.92
BURND-RIBBS 3000 210 201.30 1974.3 30 2.10 22.40
SAXXO-RIBBS 3200 210 223.44 2174.3 46 2.56 22.48
CONT.

QUALITY CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE: STEPDOWN	KRIKT	SAXXO	5. AAO	390903.00N/0944351.00W	1250 (4E)	500	AC98 AT1352	3200
(RNP 1.00)			6. TERRAIN	390903.00N/0944351.00W	1050 (1100)		AS1500	2600
INTERMEDIATE:	COOKD	SAXXO	15. TOWER (20-000496)	390649.00N/0944046.00W	1396 (1D)	500	AC50 AT1254	3200
(RNP 1.00)			6. TERRAIN	390903.00N/0944351.00W	1050 (1100)		AS1500	2600
INTERMEDIATE: STEPDOWN	SAXXO	RIBBS	16. AAO	390948.00N/0944357.00W	1198 (4E)	500	AC98 AT804	2600
(RNP 1.00)			17. TERRAIN	390948.00N/0944357.00W	998 (1000)		AS1500	2500
INTERMEDIATE:	ELTNN	HUGGY	18. AAO	392212.00N/0945621.00W	1283 (4E)	500	AC98 AT4119	6000
(RNP 1.00)			19. TERRAIN	392039.00N/0945651.00W	1057 (1100)		AS1500	2600
INTERMEDIATE: STEPDOWN	HUGGY	JACEY	20. AAO	391745.00N/0945018.00W	1185 (4E)	500	AC98 AT3217	5000
(RNP 1.00)			21. TERRAIN	391745.00N/0945018.00W	985 (1000)		AS1500	2500
INTERMEDIATE: STEPDOWN	JACEY	KLUVR	22. AAO	390924.00N/0945103.00W	1191 (4E)	500	AC98 AT2211	4000
(RNP 1.00)			23. TERRAIN	390927.00N/0945106.00W	991 (1000)		AS1500	2500
INTERMEDIATE: STEPDOWN	KLUVR	TAUBE	24. AAO	390924.00N/0944803.00W	1188 (4E)	500	AC98 AT1814	3600
(RNP 1.00)			25. TERRAIN	390924.00N/0944803.00W	988 (1000)		AS1500	2500
INTERMEDIATE: STEPDOWN	TAUBE	BURND	26. AAO	390930.00N/0944457.00W	1208 (4E)	500	AC98 AT1194	3000
(RNP 1.00)			27. TERRAIN	390930.00N/0944457.00W	1008 (1000)		AS1500	2500
3. MISSED APPROACH MAP:								
ELEV:								

4. CIRCLING AREA	DISTANCE	REQUIRED	ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CHECKED

CITY AND STATE	ELEVATION: 1026 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
KANSAS CITY, MO	KANSAS CITY INTL	RNAV	RNAV (RNP) Z RWY 1R, AMDT 1	ACE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
	N W S	OTHER:	SOURCE:
	F A A		DISTANCE:
	A / C		HOURS REMOTE OPERATION:
SATISFACTORY ON:			
V H F U H F H F	LOCATION:		ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:		
	MONITOR POINT:		
	HRS OPTN:	CAT 1	
		CAT 3	

5. APPROACH & RUNWAY LIGHTING	
	ALS
	(S) SALS
	MALS
	HIRL
	MIRL
	REIL
	TDZ
	C/LINE
	OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING			
		RUNWAY THRESHOLD	FT. FROM THRESHOLD
		ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

CONTINUED.
KRIKT-SAXXO 4000 210 226.80 2974.3 49 2.58 23.27
SLOWE-KRIKT 5000 210 231.00 3974.3 52 2.57 24.47
*CALCULATIONS BASED ON HARMONIZED RNAV CRITERIA IAW AFS MEMO DATED 10/19/2010.
VKTW OBTAINED FROM 99% HISTORICAL WIND DATA (MITRE).
VKTW OBTAINED IAW AFS MEMO DATED 10/3/2011.

QUALITY CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INTERMEDIATE:	BAUNR	SMUVE	28. TOWER (20-001256)	390633.75N/0945003.53W	1329 (5D)	500	AC50 AT2121	4000
(RNP 1.00)			29. TERRAIN	390636.00N/0945136.00W	1057 (1100)		AS1500	2600
INTERMEDIATE: STEPDOWN	SMUVE	BURND	30. AAO	390757.00N/0944851.00W	1231 (4E)	500	AC98 AT1171	3000
(RNP 1.00)			31. TERRAIN	390848.00N/0944445.00W	1031 (1000)		AS1500	2500
INTERMEDIATE: STEPDOWN	BURND	RIBBS	26. AAO	390930.00N/0944457.00W	1208 (4E)	500	AC98 AT794	2600
(RNP 1.00)			17. TERRAIN	390948.00N/0944357.00W	998 (1000)		AS1500	2500
FINAL: RNP 0.30	RIBBS	RW01R				ASC	MA3	1282/266
MISSED APPROACH	DA	RW01R				ASC		
(RNP 0.30-1.00)		40:1						
MISSED APPROACH	RW01R	BOWLR	32. CT TWR (29-000411)	391751.00N/0944255.00W	1233 (1A)	ASC	AC3	
3. MISSED APPROACH MAP:	DA	ANX VORTAC				ASC		4000
			33. STACK (29-000319)	391043.00N/0941103.00W	1425 (1D)	1000	AC50	2500
ELEV:	1121		34. TERRAIN	391712.00N/0944321.00W	1018 (1000)		AS1500	2500

4. CIRCLING AREA	DISTANCE	REQUIRED	ACTUAL
CATEGORY A	1.3 NM	350	
CATEGORY B	1.5 NM	450	
CATEGORY C	1.7 NM	450	
CATEGORY D	2.3 NM	550	
CATEGORY E	4.5 NM	550	

HT. ABV. ARPT.

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
KANSAS CITY, MO	ELEVATION: 1026 AIRPORT NAME: KANSAS CITY INTL	RNAV	RNAV (RNP) Z RWY 1R, AMDT 1	ACE

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ NWS OTHER:	SOURCE:
		DISTANCE:
	☐ FAA	HOURS REMOTE OPERATION:
	☐ A/C	
☐ VHF ☐ UHF ☐ HF	LOCATION:	ADJUSTMENT:

4. MONITOR STATUS		
	PRIMARY NAVAID:	
	MONITOR POINT:	
HRS OPTN:	CAT 1	
	CAT 3	

5. APPROACH & RUNWAY LIGHTING	
☐	ALS
☐	(S) SALS
☐	MALS
☐	HIRL
☐	MIRL
☐	REIL
☐	TDZ
☐	C/LINE
☐	OTHER (SPECIFY)

6. RUNWAY MARKINGS	
	BASIC
	ALL WEATHER
	INSTRUMENT

7. RUNWAY VISUAL RANGE	
	APPROACH
	MIDFIELD
	ROLL OUT

8. GLIDE PATH		
	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING			
	☐	RUNWAY THRESHOLD	FT. FROM THRESHOLD
	☐	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

RADIO FIX AND HOLDING DATA RECORD

NAME: BARBQ **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 390451.95N/0944605.01W **TYPE:** WP, 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-PVL	LOC/DME		190.94	192.94	14.06	14.05		5000	6000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-PVL	LOC/DME	R-191	15	5000	6000

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

REMARKS:
I-PVL DME ANTENNA LOCATION: 391835.63N-0944205.47W
8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES ON BARO VNAV GLIDEPATH.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1R	1		KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT II)	1		KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT III)	1		KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 1R			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
NEW FIX COORDINATES. FIX MOVED 2401.81 FT SOUTH.
REMOVED FIX TYPE INT.
CHANGED FAC 1 MAG BEARING FROM (189.94) TO (190.94). MAGVAR UPDATE.
CHANGED FAC 1 DME FROM (13.67) TO (14.06).
CHANGED FAC 1 DIST FROM FAC FROM (13.66) TO (14.05).
REMOVED FAC 2 RIVERSIDE (RIS) VOR/DME DUE TO PROJECTED FACILITY DECOMMISSIONING.
CHANGED ESV RADIAL FROM (R-190) TO (R-191) AND DISTANCE FROM (13) TO (15).
ADDED REMARK: 8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES ON BARO VNAV GLIDEPATH.
REMOVED FAC 2 FROM FIX USE.

DEVELOPED BY: **DATE:** 09/07/2012 **OFFICE:** AJV-353 **NAME:** BRIAN BICKETT

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: BAUNR **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 390528.31N/0945624.23W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/24/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: BRSKT **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391357.36N/0943638.02W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/25/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: BURND **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391053.90N/0944508.03W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: BYGEC **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391626.79N/0943438.17W **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	BRAYMER	BQS	VOR/DME	L	234.00	237.00	39.00	39.00		3000	17500
2	NAPOLEON	ANX	VORTAC	L	290.25	297.25	23.50	23.50		3000	17500

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

REMARKS:
BRAYMER (FAC1) USED TO ESTABLISH FIX COORDINATES.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)
STAR	BRAYMER	1, 2		KFLV	FORT LEAVENWORTH	KS (US)
STAR	BRAYMER	1, 2		KIXD	OLATHE	KS (US)
STAR	BRAYMER	1, 2		KOJC	OLATHE	KS (US)
STAR	BRAYMER	1, 2		KMCI	KANSAS CITY	MO (US)
STAR	BRAYMER	1, 2		KMKC	KANSAS CITY	MO (US)
STAR	BRAYMER	1, 2		KSTJ	ST JOSEPH	MO (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
ADDED WP TO FIX TYPE.
UPDATED FIX USE.
ADDED FAC 1 DIST FROM FAC 39.0 NM.
ADDED FAC 2 DIST FROM FAC 23.5 NM.
ADDED IAP TO REQUIRED CHARTING.

DEVELOPED BY: **DATE:** 09/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBCK **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391138.60N/0944042.57W **TYPE:** CNF

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBCM **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391139.28N/0944041.29W **TYPE:** CNF

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBCS **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391241.24N/0944633.13W **TYPE:** CNF

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBDD **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391138.52N/0944041.49W **TYPE:** CNF

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
12/06/2012: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 09/26/2012:
CHANGED FIX NAME FROM CFBCR TO CFBDD.

DEVELOPED BY: **DATE:** 09/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CFBKZ **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391328.78N/0944821.46W **TYPE:** CNF

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: COOKD **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 390557.49N/0943912.77W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/24/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CYPRE **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 390229.65N/0944812.35W **TYPE:** WP, RADAR, 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	I-DOT	LOC/DME		190.93	192.93	17.44	17.45		6000	7000
2	BUTLER	BUM	VORTAC	H	335.29	342.29	48.44	48.44		6000	18000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BUM	VORTAC	R-335	49	6000	18000
I-DOT	LOC/DME	R-191	17	6000	7000

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

REMARKS:
KANSAS CITY (FAC 1) USED TO ESTABLISH FIX COORDINATES
I-DOT DME ANTENNA LOCATION: 391930.05N/0944308.31W
8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES ON BARO VNAV GLIDEPATH.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1L	1, 2		KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 1L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1L			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
NEW FIX COORDINATES. FIX MOVED 3733.38 FT SOUTH.
ADDED FIX TYPE WP.
CHANGED FAC 1 MAG BRG FROM (187.93) TO (190.93). MAGVAR UPDATE.
CHANGED FAC 1 DME FROM (16.83) TO (17.44).
CHANGED FAC 1 DIST FROM FAC FROM (16.84) TO (17.45).
REMOVED FAC 2 RIVERSIDE (RIS) VOR/DME DUE TO PROJECTED FACILITY DECOMMISSIONING.
CHANGED FAC 2 BUTLER (BUM) VORTAC MAG/TRUE BRG FROM (335.66/342.66) TO 335.29/342.29).
CHANGED FAC 2 BUTLER (BUM) VORTAC DME AND DIST FROM FAC FROM (48.97) TO (48.44)
CHANGED BUM ESV RADIAL FROM (R-336) TO (R-335).
CHANGED I-DOT ESV RADIAL FROM (R-188) TO (R-191) AND DISTANCE FROM (17) TO (18).
ADDED REMARK: KANSAS CITY (FAC 1) USED TO ESTABLISH FIX COORDINATES.
ADDED REMARK: 8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES ON BARO VNAV GLIDEPATH.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 08/31/2012 **OFFICE:** AJV-353 **NAME:** BRIAN BICKETT

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: DASHI **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 390533.45N/0944718.40W **TYPE:** WP, 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-DOT	LOC/DME		190.93	192.93	14.30	14.31		5000	5400

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-DOT	LOC/DME	R-191	15	5000	5400

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

REMARKS:
I-DOT DME ANTENNA LOCATION: 391930.05N/0944308.31W
8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES ON BARO VNAV GLIDEPATH.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1L	1		KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 1L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1L			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
NEW FIX COORDINATES. FIX MOVED 2409.04 FT SOUTH.
REMOVED FIX TYPE INT.
CHANGED FAC 1 MAG BRG FROM (187.93) TO (190.93). MAGVAR UPDATE.
CHANGED FAC 1 DME FROM (13.91) TO (14.30).
CHANGED FAC 1 DIST FROM FAC FROM (13.91) TO (14.31).
REMOVED FAC 2 RIVERSIDE (RIS) VOR/DME DUE TO PROJECTED FACILITY DECOMMISSIONING.
CHANGED I-DOT ESV FROM (R-188) TO (R-191) AND DISTANCE FROM (13) TO (15).
ADDED REMARK: 8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES ON BARO VNAV GLIDEPATH.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/01/2012 **OFFICE:** AJV-353 **NAME:** BRIAN BICKETT

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: ELTNN **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 392158.65N/0945506.02W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/24/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HUGGY **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391804.23N/0945104.18W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 10/13/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

SIGNATURE CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JACEY **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 391344.23N/0945137.93W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/24/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: KLUVR **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 391059.08N/0944905.60W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/24/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: KRIKT **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 390908.38N/0944126.45W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

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		2900	6000	4	5
3	SE		WP	154.93	334.93	R		4	3700	6000	5	6
4	NW	ANX	VORTAC	319.00	139.00	R	1		2900	6000	4	5
5	SE	ANX	VORTAC	152.93	332.93	R	1		3000	6000	4	5
6	E		WP	093.00	273.00	R		4	4000	6000	5	6

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	5D
2	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	5D
3	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	5D
4	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	5D
5	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	5D
6	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	5D
6	265	TOWER (29-001419)	390214.00N/0935549.00W	2046	1A

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3100.

REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PATTERN 6 EVALUATED AT 265 KTS FOR MILITARY TRAFFIC AT KMCI.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	LAKES			KFLV	FORT LEAVENWORTH	KS (US)
DP	RACER			KFLV	FORT LEAVENWORTH	KS (US)
DP	LAKES			KIXD	OLATHE	KS (US)
DP	RACER			KIXD	OLATHE	KS (US)
DP	LAKES			KOJC	OLATHE	KS (US)
DP	RACER			KOJC	OLATHE	KS (US)
DP	LAKES			KMCI	KANSAS CITY	MO (US)
DP	RACER			KMCI	KANSAS CITY	MO (US)
DP	LAKES			KMKC	KANSAS CITY	MO (US)
DP	RACER			KMKC	KANSAS CITY	MO (US)
DP	LAKES			KLXT	LEE'S SUMMIT	MO (US)
DP	RACER			KLXT	LEE'S SUMMIT	MO (US)
DP	LAKES			KGPH	MOSBY	MO (US)
DP	RACER			KGPH	MOSBY	MO (US)
DP	LAKES			KSTJ	ST JOSEPH	MO (US)
DP	RACER			KSTJ	ST JOSEPH	MO (US)
EN ROUTE	V10-12					(US)
EN ROUTE	V10-206					(US)
EN ROUTE	V12					(US)
EN ROUTE	V13-159-161					(US)
EN ROUTE	V13-161					(US)
EN ROUTE	V159					(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		4	KOJC	OLATHE	KS (US)
IAP	LOC/DME RWY 18		4	KOJC	OLATHE	KS (US)
IAP	NDB-B			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 (ALT MISSED APCH)		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	RNAV (GPS) Y RWY 19L	6	KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 1R	6	KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 27		KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 19L	6	KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R	6	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 19	1	KMKC	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 3	5	KMKC	KANSAS CITY	MO (US)
IAP	NDB RWY 19	1	KMKC	KANSAS CITY	MO (US)
IAP	RNAV (GPS) RWY 21	3	KMKC	KANSAS CITY	MO (US)
IAP	VOR RWY 19	1	KMKC	KANSAS CITY	MO (US)
IAP	VOR RWY 21	5	KMKC	KANSAS CITY	MO (US)
IAP	VOR RWY 3	5	KMKC	KANSAS CITY	MO (US)
IAP	VOR/DME-A	2	KLXT	LEE'S SUMMIT	MO (US)
IAP	NDB RWY 36		KMHL	MARSHALL	MO (US)
IAP	ILS OR LOC/DME RWY 18	4	KGPH	MOSBY	MO (US)
IAP	RNAV (GPS) RWY 36		KGPH	MOSBY	MO (US)
IAP	VOR/DME-A		KRCM	WARRENSBURG	MO (US)
STAR	BRAYMER		KFLV	FORT LEAVENWORTH	KS (US)
STAR	TYGER		KFLV	FORT LEAVENWORTH	KS (US)
STAR	BRAYMER		KIXD	OLATHE	KS (US)
STAR	TYGER		KIXD	OLATHE	KS (US)
STAR	BRAYMER		KOJC	OLATHE	KS (US)
STAR	TYGER		KOJC	OLATHE	KS (US)
STAR	BRAYMER		KMCI	KANSAS CITY	MO (US)
STAR	TYGER		KMCI	KANSAS CITY	MO (US)
STAR	BRAYMER		KMKC	KANSAS CITY	MO (US)
STAR	TYGER		KMKC	KANSAS CITY	MO (US)
STAR	BRAYMER		KLXT	LEE'S SUMMIT	MO (US)
STAR	TYGER		KLXT	LEE'S SUMMIT	MO (US)
STAR	BRAYMER		KGPH	MOSBY	MO (US)
STAR	TYGER		KGPH	MOSBY	MO (US)
STAR	BRAYMER		KSTJ	ST JOSEPH	MO (US)
STAR	TYGER		KSTJ	ST JOSEPH	MO (US)
STAR	KAYLA (RNAV)		KSTL	ST LOUIS	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: 13 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
ADDED HOLDING PATTERN 6 AND ASSOCIATED DATA.
ADDED HOLDING PATTERN 6 AIRSPEED 200 AND 265 CONTROLLING OBSTRUCTION DATA.
CHANGED HOLDING OBSTACLE, TOWER 29-004114, FROM ACCURACY CODE 1A TO 5D.
ADDED REMARK: HOLDING PATTERN 6 EVALUATED AT 265 KTS FOR MILITARY TRAFFIC AT KMCI.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/26/2012 **OFFICE:** AJV-353 **NAME:** BRIAN BICKETT

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: RIBBS **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391213.05N/0944355.13W **TYPE:** WP, 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-PVL	LOC/DME		190.94	192.94	6.53	6.52	39589	2600	5400

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

REMARKS:
8260.54A FORMULA 2-16B USED TO ESTABLISH PFAF LOCATION.
I-PVL DME ANTENNA LOCATION: 391835.63N-0944205.47W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1R	1		KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT II)	1		KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT III)	1		KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 1R			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
NEW COORDINATES, FIX MOVED 375.82 FT SOUTH TO PFAF LOCATION.
REMOVED FIX TYPE INT.
CHANGED FAC 1 MAG BEARING FROM (189.94) TO (190.94). MAGVAR UPDATE.
CHANGED FAC 1 DME FROM (6.47) TO (6.53).
CHANGED FAC 1 DIST FROM FAC NM FROM (6.45) TO 6.52).
ADDED FAC 1 DIST FROM FAC (FT).
REMOVED FAC 2 RIVERSIDE (RIS) VOR/DME DUE TO PROJECTED FACILITY DECOMMISSIONING.
REMOVED FAC 2 FROM FIX USE.

DEVELOPED BY: **DATE:** 09/07/2012 **OFFICE:** AJV-353 **NAME:** BRIAN BICKETT

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SAXXO **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 391004.35N/0944318.62W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SLOWE **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391104.55N/0943728.26W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/25/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: SMOKE **STATE:** MO **COUNTRY:** US

LATITUDE/LONGITUDE: 391059.53N/0944416.81W **TYPE:** WP, 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-PVL	LOC/DME		190.94	192.94	7.78	7.77		3000	5400

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

REMARKS:
I-PVL DME ANTENNA LOCATION: 391835.63N-0944205.47W
8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES ON BARO VNAV GLIDEPATH.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1R	1		KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT II)	1		KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT III)	1		KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 1R			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
NEW FIX COORDINATES. FIX MOVED 595.80 FT SOUTH.
REMOVED FIX TYPE INT.
ADDED FIX TYPE WP.
CHANGED FAC 1 MAG BEARING FROM (189.94) TO (190.94). MAGVAR UPDATE.
CHANGED FAC 1 DME FROM (7.68) TO (7.78).
CHANGED FAC 1 DIST FROM FAC FROM (7.67) TO (7.77).
REMOVED FAC 2 RIVERSIDE (RIS) VOR/DME DUE TO PROJECTED FACILITY DECOMMISSIONING.
ADDED REMARK: 8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES ON BARO VNAV GLIDEPATH.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/07/2012 **OFFICE:** AJV-353 **NAME:** BRIAN BICKETT

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: SMUVE **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 390919.77N/0944823.98W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: SPICY **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 390148.16N/0944658.99W **TYPE:** WP, 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-PVL	LOC/DME		190.94	192.94	17.20	17.19		6000	7000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-PVL	LOC/DME	R-191	18	6000	7000

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

REMARKS:
I-PVL DME ANTENNA LOCATION: 391835.63N-0944205.47W
8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES ON BARO VNAV GLIDEPATH.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1R	1		KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT II)	1		KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT III)	1		KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 1R			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Y RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
NEW FIX COORDINATES. FIX MOVED 3723.99 FT (SOUTH).
REMOVED FIX TYPE INT.
ADDED FIX TYPE WP.
CHANGED FAC 1 MAG BEARING FROM (189.94) TO (190.94). MAGVAR UPDATE.
CHANGED FAC 1 DME FROM (16.59) TO (17.20).
CHANGED FAC 1 DIST FROM FAC FROM (16.58) TO (17.19).
REMOVED FAC 2 RIVERSIDE (RIS) VOR/DME DUE TO PROJECTED FACILITY DECOMMISSIONING.
CHANGED ESV RADIAL FROM (R-190) TO (R-191) AND DISTANCE FROM (17) TO (18).
ADDED REMARK: 8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES ON BARO VNAV GLIDEPATH.
UPDATED FIX USE.

DEVELOPED BY: **DATE:** 09/07/2012 **OFFICE:** AJV-353 **NAME:** BRIAN BICKETT

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: TAUBE **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 391038.33N/0944709.44W **TYPE:** WP

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 03/07/2013

DEVELOPED BY: **DATE:** 09/26/2012 **OFFICE:** AJV-353 **NAME:** DONALD LANIER

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

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: TERKY **STATE:** KS **COUNTRY:** US

LATITUDE/LONGITUDE: 390755.74N/0944510.95W **TYPE:** WP, 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-PVL	LOC/DME		190.94	192.94	10.92	10.91		4000	5400

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

REMARKS:
I-PVL DME ANTENNA LOCATION: 391835.63N-0944205.47W
8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES ON BARO VNAV GLIDEPATH.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 1R	1		KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT II)	1		KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (CAT III)	1		KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 1R			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 1R			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 03/07/2013

REASON FOR REVISION:
NEW FIX COORDINATES. FIX MOVED 1354.57 FT SOUTH.
REMOVED FIX TYPE INT.
CHANGED FAC 1 MAG BEARING FROM (189.94) TO (190.94). MAGVAR UPDATE.
CHANGED FAC 1 DME FROM (10.70) TO (10.92).
CHANGED FAC 1 DIST FROM FAC FROM (10.69) TO (10.91).
REMOVED FAC 2 RIVERSIDE (RIS) VOR/DME DUE TO PROJECTED FACILITY DECOMMISSIONING.
ADDED REMARK: 8260.54A FORMULA 2-16B USED TO ESTABLISH FIX COORDINATES ON BARO VNAV GLIDEPATH.
REMOVED FAC 2 FROM FIX USE.

DEVELOPED BY: **DATE:** 09/07/2012 **OFFICE:** AJV-353 **NAME:** BRIAN BICKETT

APPROVED BY: **DATE:** **OFFICE:** **NAME:** LARRY STROUT

SIGNATURE:

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

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **KANSAS CITY** STATE: **MO**

AIRPORT NAME: **KANSAS CITY INTL** ID: **KMCI**

PROCEDURE: **RNAV (RNP) Z RWY 1R** AMDT: **1**

DOCKET#: **NOT REQUIRED**
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from (Enter THLD, FAF, ARP, FACILITY, as appropriate)	**THLD**	to 1000' point	**2.90**
2. Width of (Enter appropriate segment, final, intermediate, etc.)	**FINAL**	segment at 1000' point	**1.20**
3. True Course of	**FINAL**	segment containing 1000' point	**012.93**
4. High Terrain in	**FINAL**	segment containing 1000' point	**1018**
5. Distance from (If 1500' point in PT maneuvering area or holding pattern note in remarks)	**THLD**	to 1500' point	**4.47**
6. Width of	**FINAL**	segment at 1500' point	**1.20**
7. True Course of	**FINAL**	segment containing 1500' point	**012.93**
8. High Terrain in	**FINAL**	segment containing 1500' point	**1018**

9. Threshold Coordinates (if straight-in) ... **391653.24N** / **0944232.39W**

10. ARP Coordinates ..... **391751.38N** / **0944250.06W**

11. Runway Approach End and distance furthest from ARP ..... RWY **19R**

Distance **1.51** NM

12. FAF Coordinates ..... **391213.05N** / **0944355.13W**

REMARKS: Approach/Drawing attached.

US Department of Transportation
Federal Aviation Administration

FLIGHT PROCEDURES STANDARDS WAIVER

FLIGHT STANDARDS USE ONLY

CONTROL NO:

1. Flight Procedure Identification:

KANSAS CITY, MO (MCI)
KANSAS CITY INTL
RNAV (RNP) Z RWY 1R

2. Waiver Required and Applicable Standard:

INTERMEDIATE SEGMENT WAIVER REQUIRED TO 8260.52 PARA 2.4 & TABLE 2-1. RULE: INTERMEDIATE SEGMENT DESCENT GRADIENT SHALL NOT EXCEED MAXIMUM ALLOWABLE.

3. Reason for Waiver *(Justification for nonstandard treatment)*:

DESCENT GRADIENT IN INTERMEDIATE SEGMENT GREATER THAN THE MAXIMUM ALLOWED. WITHIN A ROUTE CONTAINING MULTIPLE INTERMEDIATE SEGMENTS, THREE SEGMENT EXCEEDS 318 FT/NM:

ROUTE FROM BYGEC: SEGMENT DESCENT GRADIENT BYGEC TO BRSKT 341.3 FT/NM, BRSKT TO SLOWE 339.0 FT/NM, KRIKT TO SAXXO 454.6 FT/NM. OVERALL BYGEC TO PFAF 315.2 FT/NM.

ROUTE FROM ELTNN: SEGMENT DESCENT GRADIENT TAUBE TO BURND 365.9 FT/NM. OVERALL ELTNN TO PFAF 257.6 FT/NM.

ROUTE FROM COOKD: SEGMENT DESCENT GRADIENT COOKD TO SAXXO 346.2 FT/NM. OVERALL COOKD TO PFAF 321.3 FT/NM.

ROUTE FROM BAUNR: SEGMENT DESCENT GRADIENT SMUVE TO BURND 337.9 FT/NM. OVERALL BAUNR TO PFAF 284.3 FT/NM.

ALL ALTITUDES AND FIX LOCATIONS IN SEGMENTS CAUSING EXCESSIVE DESCENT GRADIENTS ARE AT USER/ATC REQUEST.

4. Equivalent Level of Safety Provided:

1. AUTHORIZATION REQUIRED FOR THIS PROCEDURE.
2. DESCENT OF COMBINED INTERMEDIATE SEGMENTS ALONG ROUTE FROM THE BEGINNING ALTITUDE TO THE PFAF ALTITUDE IS LESS THAN 318 FT/NM COMBINED, EXCEPT FOR ROUTE FROM COOKD AT 321.3 FT/NM COMBINED.
3. PROCEDURE VALIDATED IN SIMULATOR WITH SATISFACTORY RESULTS.

5. How Relocation or Additional Facilities Will Affect Waiver Requirement:

N/A - RNAV PROCEDURE

6. Coordination With User Organizations *(Specify)*:

AJV-353:_____

7. SUBMITTED BY

DATE:	Office Identification:	Title:	Signature:
	AJV-35	**Manager, Terminal Products Group**	**Gregory Yamamoto**

FAA FORM 8260 - 1 / July2003 (computer generated)

8260.24C Category I ILS Threshold crossing Height, Para 7a.

8. CONTINUATION
Comments:

9. AFS ACTION		
		Approved
		Disapproved
		Not Required

Comments:

Date:	Routing Symbol:	Signature:

Federal Aviation Administration

CONCURRENCES
ROUTING SYMBOL AJV-34 SBaker
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-353 JOlson
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-353 LStrout
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-34 JAlfonso
INITIALS/SIG
DATE
ROUTING SYMBOL
INITIALS/SIG
DATE

Memorandum

Date:

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: Larry H. Strout, Manager, Central Products Team, AJV-353

Subject: **ACTION:** Magnetic Variation Change for Kansas City, MO (KMCI)

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

ILS OR LOC RWY 1L, AMDT 15
ILS OR LOC RWY 1R, ILS RWY 1R (CAT II), ILS RWY 1R (CAT III), AMDT 4
ILS OR LOC RWY 9, AMDT 14
ILS OR LOC RWY 19L, AMDT 2
ILS OR LOC RWY 19R, ILS RWY 19R (CAT II), ILS RWY 19R (CAT III), AMDT 11,
ILS OR LOC RWY 27, AMDT 3
RNAV (GPS) Y RWY 1L, AMDT 2
RNAV (GPS) Y RWY 1R, AMDT 2
RNAV (GPS) Y RWY 9, AMDT 2
RNAV (GPS) Y RWY 19L, AMDT 2
RNAV (GPS) Y RWY 19R, AMDT 2
RNAV (GPS) Y RWY 27, AMDT 2
RNAV (RNP) Z RWY 1L, AMDT 1
RNAV (RNP) Z RWY 1R, AMDT 1
RNAV (RNP) Z RWY 9, AMDT 1
RNAV (RNP) Z RWY 19L, AMDT 1
RNAV (RNP) Z RWY 19R, AMDT 1
RNAV (RNP) Z RWY 27, AMDT 1

Estimated Chart Date: 03/07/2013

Please publish these changes in the National Flight Data Digest.

MISSOURI

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
Kansas City	Kansas City Intl	Airport	KMCI / MCI	Old 5° East New 2° East	2015
Kansas City		ILS	DOT	Old 5° East New 2° East	2015
Kansas City		ILS	DYH	Old 5° East New 2° East	2015
Kansas City		ILS (CAT II/III)	PAJ	Old 3° East New 2° East	2015
Kansas City		ILS (CAT II/III)	PVL	Old 3° East New 2° East	2015
Kansas City		ILS	RNI	Old 5° East New 2° East	2015
Kansas City		ILS	UQY	Old 5° East New 2° East	2015

If you have any questions please notify Larry H. Strout, larry.h.strout@faa.gov (405-954-5070).

cc: AJV-3rf
sjb:x7537:8-28-12: (U:\AVN100\PIT\MAGVAR\MAGVAR\MAGVAR Letters 2013\MV Change Request for Kansas City, MO (KMCI) 8-28-12 Requestor: Don Lanier, Evaluated By: LFortier

DO NOT REMOVE FROM PACKAGE
ENMOJ-ZIBKO
FIKLI-ENMOJ

PFAF Calculations

Min Intermediate Segment Alt (a):	
LTP MSL Elevation (b):	
TCH:	
Glidepath Angle (Θ):	
Distance from LTP to PFAF (D):	0.00
	0.00 NM
LTP/FTP Latitude:	
LTP/FTP Longitude:	
True RWY Bearing/True Course:	
PFAF Latitude:	000° 00' 00.00"
PFAF Longitude:	000° 00' 00.00"

Latitude/Longitude valid for straight segment only

VEB OCS Origin & Slope

Intermediate Segment Altitude:	2600
LTP Elevation:	1016.4
Glidepath Angle:	3
TCH:	59.1
RNP Value:	0.30
Δ ISA:	-30.1603
Straight In Segment	
(*Wingspan =<262*) LTP to Origin:	3,795.90'
(*Wingspan =<136*) LTP to Origin:	3,578.66'
OCS Slope Ratio:	21.72 : 1
RF Turn Segment | Bank angle:	0.00°
(*Wingspan =<262*) LTP to Origin:	NA
(*Wingspan =<136*) LTP to Origin:	NA
OCS Slope Ratio:	NA

Version 2.0

VEB Temperature Limits

Glidepath Angle:	3.00°	
Max Glidepath Angle:	3.50°	
PFAF Elevation:	2600	
LTP Elevation:	1016.4	
ACT:	-20.00°C	
Min Glidepath Angle	2.75°	
NA Below	-17.19°C	1.05°F
NA Above	46.63°C	115.93°F

Intermediate Segment VEB ROC

Glidepath Angle	3.00°
LTP MSL Elevation	1,016.40
TCH (ft)	59.10
OCS Slope	21.72
OCS Origin Distance (ft) *(measured along-track from LTP)*	3,795.90
Obstacle Distance (ft) *(measured along-track from LTP)*	27,616.02
VEB ROC *(at obstacle)*	**414**
Glidepath MSL altitude at Obstacle	2,541.07
OCS MSL altitude at Obstacle	2,126.69

VEB
OIP