

RADIO FIX AND HOLDING DATA RECORD

NAME: BARBQ

STATE: KS

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 390452.11N/0944605.03W

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	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

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	ILS RWY 1R (SA CAT I)	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: 4

DATE OF REVISION: 07/14/2022

REASON FOR REVISION:

FIX MOVED 16 FT NORTH.
DELETED FIX FORMULA REMARK.
DELETED ANTENNA LOCATION REMARK.
ADDED ILS RWY 1R (SA CAT I) TO KMCI FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: KELLY DEAN

APPROVED BY:

DATE: 05/19/2022

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by*
DONALD H LANIER
Mar 14, 2022

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: NAPOLEON VORTAC **STATE:** MO **COUNTRY:** US **ICAO REGION CODE:** K3

LATITUDE/LONGITUDE: 390543.53N/0940743.81W **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 FEET	MRA	MAA
1	NAPOLEON	ANX	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 DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN 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 9
3	SE		WP	154.93	334.93	R		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		4000 6000	5 6
7	E		WP	093.00	273.00	R		4000 6000	9 10
8	E		WP	088.00	268.00	R		6000 10000	8 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	4D
1	230	TOWER (29-004114)	390540.00N/0940548.00W	1842	4D
2	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	4D
2	265	TOWER (29-001419)	390214.00N/0935549.00W	2046	1A
3	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	4D
4	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	4D
5	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	4D
6	200	TOWER (29-004114)	390540.00N/0940548.00W	1842	4D
7	265	TOWER (29-001419)	390214.00N/0935549.00W	2046	1A
8	230	TOWER (29-004114)	390540.00N/0940548.00W	1842	4D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
HOLDING PATTERN 2 AND 7 EVALUATED AT 265 KTS FOR MILITARY TRAFFIC AT KMCI.
ASSIGNED FACILITY MAGVAR: E7 1965.

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					(US)
EN ROUTE	V12					(US)
EN ROUTE	V13					(US)
EN ROUTE	V159					(US)
EN ROUTE	V161					(US)
EN ROUTE	V206					(US)
IAP	ILS OR LOC RWY 36			KIXD	OLATHE	KS (US)
IAP	LOC RWY 18		4	KOJC	OLATHE	KS (US)
IAP	LOC RWY 36		4	KOJC	OLATHE	KS (US)
IAP	ILS OR LOC RWY 19L (ALT MA)		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 & III)		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 1R (SA CAT I)		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	7	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 19		KMKC	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 3	5	KMKC	KANSAS CITY	MO (US)
IAP	RNAV (GPS) RWY 21	3	KMKC	KANSAS CITY	MO (US)
IAP	VOR-A	2	KLXT	LEE'S SUMMIT	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-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	JSONN (RNAV)	8	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	KOOP		KSTL	ST LOUIS	MO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 27

DATE OF REVISION: 07/14/2022

REASON FOR REVISION:

CHANGED HOLDING OBSTACLE ACCURACY CODE FROM 5D TO 4D ON CONTROLLING OBSTACLE PAT 1, 2, 3, 4, 5, 6, AND 8.

ADDED 265 KIAS OBSTACLE TO PATTERN 2 FOR MILITARY TRAFFIC, UPDATED REMARK.

CHANGED HOLDING PATTERN 2 MAX TEMPLATE FROM 5 TO 9.

UPDATED FIX USE: CHANGED KMCI ILS OR LOC RWY 19L TO ILS OR LOC RWY 19L (ALT MA).

5/16/2022 THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 2/18/22

ADDED HOLDING PATTERN 1 OBSTACLE: 230 KIAS TOWER (29-004114) 390540.00N/0940548.00W 1842 4D.

INITIATED BY: **DATE:** **ORGANIZATION:** **NAME:**

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 **NAME:** KELLY DEAN

APPROVED BY: **DATE:** 05/19/2020 **OFFICE:** AJV-A430 **NAME:** LONNIE EVERHART

SIGNATURE: Digitally signed by
DONALD H LANIER
May 17, 2022

RADIO FIX AND HOLDING DATA RECORD

NAME: RIBBS

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 391118.06N/0944411.38W

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	FAC FEET	MRA	MAA
1	KANSAS CITY	I-PVL	LOC/DME		190.94	192.94	7.47	7.46	45298	2900	5400

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	ILS RWY 1R (SA CAT I)	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: 4

DATE OF REVISION: 07/14/2022

REASON FOR REVISION:

FIX MOVED 0.94 NM SOUTH.
 UPDATED FAC 1: DME CHANGED FROM 6.53 NM TO 7.47 NM; DIST FROM FAC CHANGED FROM 6.52 NM (39589 FT) TO 7.46 NM (45298 FT);
 MRA CHANGED FROM 2600 TO 2900.
 DELETED PFAF FORMULA REMARK.
 DELETED ANTENNA LOCATION REMARK.
 ADDED ILS RWY 1R (SA CAT I) TO KMCI FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: KELLY DEAN

APPROVED BY:

DATE: 05/19/2022

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by
DONALD H LANIER
 Mar 14, 2022

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SMOKE STATE: MO COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 391059.53N/0944416.81W TYPE: WP, RADAR, DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	KANSAS CITY	I-PVL	LOC/DME		190.94	192.94	7.78	7.77		3000	5400

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.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 09/07/2012	OFFICE: AJV-353	NAME: BRIAN BICKETT
APPROVED BY:	DATE: 05/19/2022	OFFICE: AJV-A430	NAME: LONNIE EVERHART

SIGNATURE: *Digitally signed by*

DISTRIBUTION: NFDC DONALD H LANIER
 FPO: CEN Mar 14, 2022
 ARTCC: ZKC
 ATC FACILITY: MCI APP CON
 OTHER:

QUALITY
18
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SPICY

STATE: KS

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 390148.32N/0944659.03W

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	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

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	ILS RWY 1R (SA CAT I)	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: 4

DATE OF REVISION: 07/14/2022

REASON FOR REVISION:

FIX MOVED 17 FT NORTH.
DELETED FAC 2 AND ASSOCIATED ESV.
DELETED FORMULA ESTABLISH REMARK.
UPDATED FIX USE: CHANGED RNAV (RNP) Y RWY 1R TO RNAV (RNP) Z RWY 1R; ADDED ILS RWY 1R (SA CAT I) TO KMCI FIX USE.
DELETED ANTENNA LOCATION REMARK.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: KELLY DEAN

APPROVED BY:

DATE: 05/19/2020

OFFICE: AJV-A430

NAME: LONNIE EVERHART

SIGNATURE:

Digitally signed by
DONALD H LANIER
Mar 14, 2022

QUALITY
18
CHECKED