

RADIO FIX AND HOLDING DATA RECORD

NAME: FARMS

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 392948.39N/0944105.35W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE

IAP
IAP
IAP
STAR

USE TITLE

ILS OR LOC RWY 19L
RNAV (GPS) Y RWY 19L
RNAV (RNP) Z RWY 19L
JSONN (RNAV)

FAC

PAT

AIRPORT IDENT

KMCI
KMCI
KMCI
KMCI

CITY

KANSAS CITY
KANSAS CITY
KANSAS CITY
KANSAS CITY

STATE

MO (US)
MO (US)
MO (US)
MO (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

ADDED IAP TO REQUIRED CHARTING.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER
Digitally signed by

SIGNATURE:

ERIC N SUSKI

Nov 02, 2022

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: MGEEE STATE: MO COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 392615.61N/0943945.69W TYPE: WP, RADAR, DME

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	MRA	MAA
1	KANSAS CITY	I-DYH	LOC/DME		010.95	012.95	9.78	9.77	3600	5500

HOLDING: HOLDING TYPE OF ACTION: MODIFY

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	N	I-DYH	LOC/DME	010.95	190.95	R	1	3600 4600	4 5

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-000115)	393222.44N/0944450.16W	1426	2C

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 19L	1	1	KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 19L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (RNP) Z RWY 19L			KMCI	KANSAS CITY	MO (US)
STAR	JSONN (RNAV)			KMCI	KANSAS CITY	MO (US)
STAR	MHOMS (RNAV)			KMCI	KANSAS CITY	MO (US)
STAR	RUDDH (RNAV)			KMCI	KANSAS CITY	MO (US)
STAR	WUTNG (RNAV)			KMCI	KANSAS CITY	MO (US)

REQUIRED CHARTING: STAR, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

1. CHANGED HOLDING PATTERN TYPE FROM WP TO LOC/DME, AND ADDED IDENT I-DYH.
2. ADDED TO HOLDING RESTRICTIONS "HOLDING LIMITED TO ESTABLISHED PATTERN(S)."
3. ADDED TO REMARKS "PRECIPITOUS TERRAIN EVALUATION COMPLETED."

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
OFFICE OF PRIMARY RESPONSIBILITY:		AJV-A431	NAME: MICHAEL MCCARTNEY
APPROVED BY:	DATE: 02/23/2023	OFFICE: AJV-A430	NAME: JOHNNIE BAKER
SIGNATURE:			Digitally signed by ERIC N SUSKI Nov 02, 2022

QUALITY
14
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: NO CHANGE

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 (ALT MA)		4	KOJC	OLATHE	KS (US)
IAP	LOC RWY 36 (ALT MA)		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 (ALT MA)		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 (RNP) Z RWY 19L		6	KMCI	KANSAS CITY	MO (US)

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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	KOOOP		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: 28

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

1. DELETED FIX USE IAP RNAV (GPS) Y RWY 27 AT KMCI.
2. ADDED "(ALT MA)" TO FIX USE ON LOC RWY 18 AND LOC RWY 36 AT KOJC, AND ILS OR LOC RWY 9 AT KMCI.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Nov 02, 2022

QUALITY
14
CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ST JOSEPH VORTAC

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 395738.08N/0945530.79W

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 FEET	MRA	MAA
1	ST JOSEPH	STJ	VORTAC	H						45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG TIME	LENGTH DME	HOLDING ALTITUDES MIN MAX	TEMPLATES MIN MAX
1	N	STJ	VORTAC	347.41	167.41	R	1		2700 6000	6 7
2	S	STJ	VORTAC	175.00	355.00	R	1		3000 17500	6 16
3	S		WP	175.00	355.00	R		4	6000 10000	8 10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (29-002003)	400404.94N/0945205.10W	1524	1A
1	265	TOWER (29-002003)	400404.94N/0945205.10W	1524	1A
2	230	TOWER (29-001514)	395834.00N/0945838.00W	1520	5D
2	265	TOWER (29-000024)	394612.00N/0944755.00W	1792	4D
3	230	TOWER (29-001514)	395834.00N/0945838.00W	1520	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
230K/265K PATTERNS USED FOR MILITARY REQUIREMENTS.
ASSIGNED FACILITY MAG VAR: 8E 1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	DES MOINES			KDSM	DES MOINES	IA (US)
DP	CHIEF			KFLV	FORT LEAVENWORTH	KS (US)
DP	ROYAL			KFLV	FORT LEAVENWORTH	KS (US)
DP	WILDCAT			KFLV	FORT LEAVENWORTH	KS (US)
DP	CHIEF			KIXD	OLATHE	KS (US)
DP	ROYAL			KIXD	OLATHE	KS (US)
DP	WILDCAT			KIXD	OLATHE	KS (US)
DP	CHIEF			KOJC	OLATHE	KS (US)
DP	ROYAL			KOJC	OLATHE	KS (US)
DP	WILDCAT			KOJC	OLATHE	KS (US)
DP	MEADOW LAKE			KMSP	MINNEAPOLIS	MN (US)
DP	MINNEAPOLIS			KMSP	MINNEAPOLIS	MN (US)
DP	CHIEF			KMCI	KANSAS CITY	MO (US)
DP	ROYAL			KMCI	KANSAS CITY	MO (US)
DP	WILDCAT			KMCI	KANSAS CITY	MO (US)
DP	CHIEF			KMKC	KANSAS CITY	MO (US)
DP	ROYAL			KMKC	KANSAS CITY	MO (US)
DP	WILDCAT			KMKC	KANSAS CITY	MO (US)
DP	CHIEF			KLXT	LEE'S SUMMIT	MO (US)
DP	ROYAL			KLXT	LEE'S SUMMIT	MO (US)
DP	WILDCAT			KLXT	LEE'S SUMMIT	MO (US)
DP	CHIEF			KGPH	MOSBY	MO (US)
DP	ROYAL			KGPH	MOSBY	MO (US)
DP	WILDCAT			KGPH	MOSBY	MO (US)
DP	CHIEF			KSTJ	ST JOSEPH	MO (US)
DP	ROYAL			KSTJ	ST JOSEPH	MO (US)
DP	WILDCAT			KSTJ	ST JOSEPH	MO (US)
DP	BLUFS			KOMA	OMAHA	NE (US)
EN ROUTE	J18					(US)
EN ROUTE	V159					(US)
EN ROUTE	V50					(US)
EN ROUTE	V77					(US)
IAP	VOR/DME-A			KFLV	FORT LEAVENWORTH	KS (US)
IAP	ILS OR LOC RWY 19R (ALT MA)		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 1L (ALT MA)		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 27 (ALT MA)		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 19R (CAT II-III) (ALT MA)		2	KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 19R (SA CAT I) (ALT MA)		2	KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) RWY 14			KEVU	MARYVILLE	MO (US)
IAP	RNAV (GPS) RWY 32			KEVU	MARYVILLE	MO (US)
IAP	ILS OR LOC RWY 35			KSTJ	ST JOSEPH	MO (US)
IAP	LOC BC RWY 17		1	KSTJ	ST JOSEPH	MO (US)
IAP	RADAR 1		2	KSTJ	ST JOSEPH	MO (US)
IAP	VOR OR TACAN RWY 17		1	KSTJ	ST JOSEPH	MO (US)

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CHECKED

IAP	VOR OR TACAN RWY 35		KSTJ	ST JOSEPH	MO (US)
STAR	JSONN (RNAV)	3	KMCI	KANSAS CITY	MO (US)
STAR	MARWI		KOFF	OMAHA	NE (US)
STAR	MARWI		KOMA	OMAHA	NE (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: 20

DATE OF REVISION: 02/23/2023

REASON FOR REVISION:

1. ADDED REQUIRED CHARTING CONTROLLER HIGH.
2. DELETED FIX USE STAR ROBINSON AT KMCI.
3. ADDED "(ALT MA)" TO FIX USE AT ON ILS OR LOC RWY 19R, ILS RWY 19R (CAT II-III), ILS RWY 19R (SA CAT I), AND ILS OR LOC RWY 27 AT KMCI.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: MICHAEL MCCARTNEY

APPROVED BY:

DATE: 02/23/2023

OFFICE: AJV-A430

NAME: JOHNNIE BAKER

SIGNATURE:

Digitally signed by

ERIC N SUSKI

Nov 04, 2022

QUALITY
45
CHECKED