

RADIO FIX AND HOLDING DATA RECORD

NAME: AMAZON NDB STATE: MO COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 395301.75N/0945424.88W TYPE: DME

AIRSPACE DOCKET: FIX TYPE OF ACTION: MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	FEET	MRA	MAA
1	AMAZON	AZN	NDB	MH							17500
2	ST JOSEPH	STJ	VORTAC	H	162.28	170.28	4.67	4.67		2700	5300
3	ST JOSEPH	I-STJ	LOC		356.00	360.00		5.75	34965	2700	5300

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	AZN	NDB	355.00	175.00	R	1-1 1/2	2700 6000	6 7

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	230	TOWER (29-001514)	395834.00N/0945838.00W	1520	5D

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

ST JOSEPH (FAC 3) USED TO ESTABLISH FIX COORDINATES
 COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE AMAZON NDB.
 ACTUAL FACILITY LOCATION IS 395301.75N/0945429.35W.
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.
 230 KIAS USED DUE TO MILITARY REQUIREMENTS.
 ASSIGNED FACILITY MAGVAR: 4E/1990.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 35	1	1	KSTJ	ST JOSEPH	MO (US)
IAP	LOC BC RWY 17	1, 2, 3		KSTJ	ST JOSEPH	MO (US)
IAP	VOR OR TACAN RWY 17	1		KSTJ	ST JOSEPH	MO (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 06/20/2019

REASON FOR REVISION:

- ADDED TO FACILITY 3 (I-STJ) MAG BRG 356.00 AND UPDATED TRUE BRG FROM 001.01 TO 360.00. ADDED DISTANCE FROM FAC NM/FEET 5.75 NM/34,965 FT.
- ADDED TO HOLDING RESTRICTIONS: HOLDING LIMITED TO ESTABLISHED PATTERN.
- UPDATED FIX USE.
- ADDED TO REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED, COORDINATES REFLECT LOCATION ON LOC/AZ CENTERLINE ABEAM THE AMAZON NDB, ACTUAL FACILITY LOCATION IS 395301.75N/0945429.35W, ST JOSEPH (FAC 3) USED TO ESTABLISH FIX COORDINATES, AND ASSIGNED FACILITY MAGVAR: 4E/1990.
- UPDATED HOLDING PATTERN CONTROLLING OBSTACLE ID FROM 26-1514 TO 29-001514.
- UPDATED LAT/LONGS TO REFLECT LOCATION ABEAM CENTERLINE.
- UPDATED FACILITY 2 (STJ) MAG/TRUE BEARING FROM 162.27/170.27 TO 162.28/170.28 AND DME FROM 4.66 TO 4.67. ADDED DISTANCE FROM FACILITY AND CHANGED MAA FROM 17500 TO 5300.
- CHANGED HOLDING PATTERN MAX ALTITUDE FROM 17,500 TO 6000 AND MAX TEMPLATE FROM 16 TO 7.

INITIATED BY: DATE: ORGANIZATION: NAME:
 OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: FRANK JACKSON
 APPROVED BY: DATE: OFFICE: AJV-A43 NAME: PATRICK MULQUEEN

SIGNATURE:

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

RADIO FIX AND HOLDING DATA RECORD

NAME: HANOT STATE: MO COUNTRY: US ICAO REGION CODE: K3
 LATITUDE/LONGITUDE: 394451.38N/0942907.51W TYPE: INT, 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	ST JOSEPH	STJ	VORTAC	H	114.00	122.00	24.00	24.00	2900	17500
2	KANSAS CITY	MCI	VORTAC	H	017.78	022.78		30.08	2900	17500

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	NW	STJ	VORTAC	294.00	114.00	L	1	3100 17500	10 18

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	WINDMILL (29-025106)	395531.16N/0943228.55W	1571	4E

REASON FOR NONSTANDARD HOLDING:

PAT 1 AIRSPACE CONGESTION / ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:

ST JOSEPH (FAC 1) AND KANSAS CITY (FAC 2) USED TO ESTABLISH FIX COORDINATES
 PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V159	1, 2				(US)
IAP	ILS OR LOC RWY 35	1	1	KSTJ	ST JOSEPH	MO (US)
IAP	VOR OR TACAN RWY 17	1, 2	1	KSTJ	ST JOSEPH	MO (US)
IAP	VOR OR TACAN RWY 35	1, 2	1	KSTJ	ST JOSEPH	MO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 06/20/2019

REASON FOR REVISION:

1. UPDATED HOLDING PATTERN 1 MAX TEMPLATE SIZE FROM 16 TO 18 AND LEG LENGTH FROM 1-1 1/2 TO 1.
2. UPDATE CONTROLLING OBSTACLE FROM 1434 TOWER TO 1571 WINDMILL.
3. ADDED TO REMARKS PRECIPITOUS TERRAIN EVALUATION COMPLETED.
4. ADDED TO HOLDING RESTRICTIONS HOLDING LIMITED TO ESTABLISHED PATTERN.
5. UPDATED FIX USE.
6. ADDED TO REMARKS ST JOSEPH (FAC 1) AND KANSAS CITY (FAC 2) USED TO ESTABLISH FIX COORDINATES.
7. ADDED DISTANCE FROM FACILITY FOR FAC 1 AND FAC 2 AND MRA FROM 2600 TO 2900.

INITIATED BY: DATE: ORGANIZATION: NAME:

OFFICE OF PRIMARY RESPONSIBILITY: AJV-A431 NAME: FRANK JACKSON

APPROVED BY: DATE: OFFICE: AJV-A43 NAME: PATRICK MULQUEEN

SIGNATURE:

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

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	MRA	MAA
1	ST JOSEPH	STJ	VORTAC	H						45000

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	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

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

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 19L			KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 19R			KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 11L			KMCI	KANSAS CITY	MO (US)
IAP	ILS OR LOC RWY 27			KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 19R (CAT II-III)			KMCI	KANSAS CITY	MO (US)
IAP	ILS RWY 19R (SA CAT I)			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 19L			KMCI	KANSAS CITY	MO (US)
IAP	RNAV (GPS) Y RWY 19R			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)
IAP	VOR OR TACAN RWY 35		KSTJ	ST JOSEPH	MO (US)
STAR	ROBINSON		KFLV	FORT LEAVENWORTH	KS (US)
STAR	ROBINSON		KIXD	OLATHE	KS (US)
STAR	ROBINSON		KOJC	OLATHE	KS (US)
STAR	ROBINSON		KMCI	KANSAS CITY	MO (US)
STAR	ROBINSON		KMKC	KANSAS CITY	MO (US)
STAR	ROBINSON		KLXT	LEES SUMMIT	MO (US)
STAR	ROBINSON		KGPH	MOSBY	MO (US)
STAR	ROBINSON		KSTJ	ST JOSEPH	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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16

DATE OF REVISION: 06/20/2019

REASON FOR REVISION:

UPDATED FIX USE FOR KSTJ FROM VOR/DME OR TACAN RWY 35 TO VOR OR TACAN RWY 35.

UPDATED PATTERN 2 CONTROLLING OBSTACLE (29-001514) ACCURACY CODE FROM 4D TO 5D.

ADDED TO REQUIRED CHARTING: CONTROLLER LOW.

UPDATED HOLDING PATTERN 1 COURSE INBOUND FROM 167.00 TO 167.41, MAX ALTITUDE FROM 17500 TO 6000, AND MAX TEMPLATE FROM 16 TO 7.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: FRANK JACKSON

APPROVED BY:

DATE:

OFFICE: AJV-A43

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

NFDC

FPO: CEN

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ATC FACILITY: MCI APP CON

OTHER: