

# RADIO FIX AND HOLDING DATA RECORD

NAME: BAYLI

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 394232.26N/0910446.62W

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	MRA	MAA
1	BRADFORD	BDF	VORTAC	H	218.64	218.64	110.62	110.62	18000	45000
2	ST LOUIS	STL	VORTAC	H	330.50	331.50		57.96	18000	45000
3	SPINNER	SPI	VORTAC	VH	264.56	263.56	65.32	65.32	18000	45000
4	HALLSVILLE	HLV	VORTAC	VL	047.46	053.46	60.43	60.43	18000	23000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
BDF	VORTAC	R-219	111	18000	18900
HLV	VORTAC	R-047	61	18000	23000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## REMARKS:

BRADFORD (FAC 1) AND ST LOUIS (FAC 2) USED TO ESTABLISH FIX COORDINATES.  
ESV FOR HLV VORTAC: MAX ALTITUDE 23000 DUE TO CO-CHANNEL INTERFERENCE.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J181	1, 2, 3, 4				(US)
EN ROUTE	J80	3				(US)
STAR	BENKY (RNAV)			KORD	CHICAGO	IL (US)
STAR	BRADFORD	1		KORD	CHICAGO	IL (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 9

DATE OF REVISION: 06/15/2023

## REASON FOR REVISION:

FIX USE: REMOVED (FAC 2) FROM BRADFORD STAR.  
DELETED FAC 2 (JIN) AND ADDED FAC 2 (STL) TO FIX MAKE-UP FACILITIES.  
ADDED FAC 2 (STL) & 3 (SPI) TO J181 FIX USE.  
CHANGED IN REMARKS: "BRADFORD (FAC 1) AND QUINCY (FAC 2) USED TO ESTABLISH FIX COORDINATES" TO: "BRADFORD (FAC 1) AND ST LOUIS (FAC 2) USED TO ESTABLISH FIX COORDINATES."  
CHANGED FAC 4 (HLV) CLASS FROM L TO VL IN FIX MAKE-UP FACILITIES.  
DELETED AIRSPACE DOCKET NUMBER: 17-ASW-18.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOSHUA SAENZ

APPROVED BY:

DATE: 04/20/2023

OFFICE: AJV-A432

NAME: CASIMIR TABAKA

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: BRADFORD VORTAC

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 410935.03N/0893516.34W

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	BRADFORD	BDF	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	SW	BDF	VORTAC	246.86	066.86	R	1		2600 45000	4 29
2	NW	BDF	VORTAC	313.00	133.00	R	1		2500 6000	4 5
3	W		WP	249.39	069.39	R		9	5000 45000	13 30

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (17-020039)	410355.47N/0893659.50W	1290	4D
2	200	WINDMILL (17-073872)	411023.12N/0893651.64W	1448	4D
3	200	WINDMILL (17-003446)	411426.87N/0893401.85W	1359	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S)

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
WP HOLDING EVALUATED FOR 9 DME LEGS AT ATC REQUEST.  
ASSIGNED FACILITY MAGVAR: E0/1995.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	PAL-WAUKEE			KPWK	CHICAGO/PROSPECT HGTS/WHEELING ST LOUIS	IL (US)
DP	ROTRY (RNAV)			KSTL		MO (US)
EN ROUTE	J181					(US)
EN ROUTE	J26		1			(US)
EN ROUTE	J64					(US)
EN ROUTE	MAROC	1				(US)
EN ROUTE	V10		1			(US)
EN ROUTE	V156					(US)
EN ROUTE	V262					(US)
IAP	RNAV (GPS) RWY 21			KGBG	GALESBURG	IL (US)
IAP	RNAV (GPS) RWY 27			KEZI	KEWANEE	IL (US)
IAP	VOR RWY 13			C75	LACON	IL (US)
IAP	VOR/DME OR TACAN RWY 31			KPIA	PEORIA	IL (US)
IAP	RNAV (GPS) RWY 18			KVYS	PERU	IL (US)
IAP	RNAV (GPS) RWY 36			KVYS	PERU	IL (US)
IAP	LOC BC RWY 7			KSQI	STERLING-ROCKFALLS	IL (US)
STAR	BENKY (RNAV)		3	KORD	CHICAGO	IL (US)
STAR	BRADFORD		1	KORD	CHICAGO	IL (US)
STAR	SHAIN (RNAV)		3	KORD	CHICAGO	IL (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: 35

DATE OF REVISION: 12/26/2024

## REASON FOR REVISION:

1. FIX USE REMOVED KMDW MOTIF STAR.  
2. FIX USE REMOVED KGYG MOTIF STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHARLES HIRST

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: GROOV

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 392552.71N/0903408.70W

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	FEET	MRA	MAA
1	FORISTELL	FTZ	VORTAC	L	017.92	022.92	48.01	48.01		18000	33000
2	ST LOUIS	STL	VORTAC	H	352.28	353.28	34.44	34.44		18000	33000
3	BRADFORD	BDF	VORTAC	H	203.81	203.81		113.00		18000	33000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
FTZ	VORTAC	R-018	48	18800	29000
BDF	VORTAC	R-204	113	18000	18900

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	S	STL	VORTAC	352.28	352.28	R	1 1/2		18000	33000	18	26
2	S		WP	176.28	356.28	R		12	18000	39000	20	29

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

ST LOUIS (FAC 2) AND BRADFORD (FAC 3) USED TO ESTABLISH FIX COORDINATES.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BRADFORD	1, 2, 3	1	KORD	CHICAGO	IL (US)
STAR	SHAIN (RNAV)		2	KORD	CHICAGO	IL (US)
STAR	TRTLL (RNAV)		2	KORD	CHICAGO	IL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6

DATE OF REVISION: 04/20/2023

## REASON FOR REVISION:

REMOVED QUINCY (UIN) VORTAC FROM FIX MAKE-UP FAC.  
CHANGED REMARKS FROM "QUINCY (FAC 2) AND BRADFORD (FAC 4) USED TO ESTABLISH FIX COORDINATES" TO "ST LOUIS (FAC 2) AND BRADFORD (FAC 3) USED TO ESTABLISH FIX COORDINATES".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOSHUA SAENZ

APPROVED BY:

DATE: 04/20/2023

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: FORISTELL VORTAC

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 384139.60N/0905816.57W

TYPE:

AIRSPACE DOCKET: 23-ASO-4

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	FORISTELL	FTZ	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	W	FTZ	VORTAC	280.00	100.00	R	1	2400 17500	4 16
2	N	FTZ	VORTAC	004.40	184.40	R	1	2400 6000	4 5

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-020480)	384257.11N/0910756.62W	1107	1A
2	200	TOWER (29-000841)	384733.55N/0910155.16W	1103	4D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
MAGVAR 5E/1965.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J180					(US)
EN ROUTE	J187					(US)
EN ROUTE	T251					(US)
EN ROUTE	V12					(US)
EN ROUTE	V44					(US)
IAP	RNAV (GPS) RWY 24			KFTT	FULTON	MO (US)
IAP	ILS OR LOC RWY 11			KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 12L			KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 12R			KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 24		1	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 29		1	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 6			KSTL	ST LOUIS	MO (US)
IAP	ILS RWY 11 (CAT II - III)			KSTL	ST LOUIS	MO (US)
IAP	ILS RWY 12L (CAT II - III)			KSTL	ST LOUIS	MO (US)
IAP	RNAV (GPS) RWY 6			KSTL	ST LOUIS	MO (US)
IAP	RNAV (GPS) Y RWY 12R			KSTL	ST LOUIS	MO (US)
IAP	TACAN RWY 30L			KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 26L		1	KSUS	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 8R		1	KSUS	ST LOUIS	MO (US)
IAP	RNAV (GPS) RWY 8L			KSUS	ST LOUIS	MO (US)
IAP	RNAV (GPS) RWY 8R			KSUS	ST LOUIS	MO (US)
IAP	VOR-A		2	KFYG	WASHINGTON	MO (US)
STAR	BUUDD (RNAV)			KBLV	BELLEVILLE	IL (US)
STAR	BUUDD (RNAV)			KCPs	CAHOKIA/ST LOUIS	IL (US)
STAR	BRADFORD			KORD	CHICAGO	IL (US)
STAR	SHAIN (RNAV)			KORD	CHICAGO	IL (US)
STAR	TRTLL (RNAV)			KORD	CHICAGO	IL (US)
STAR	KOOOP			KSTL	ST LOUIS	MO (US)
STAR	BUUDD (RNAV)			KSUS	ST LOUIS	MO (US)
STAR	DIRTT (RNAV)			KSUS	ST LOUIS	MO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 22

DATE OF REVISION: 10/31/2024

## REASON FOR REVISION:

- AIRSPACE DOCKET: ADDED "23-ASO-4".
- REQUIRED CHARTING: ADDED "MILITARY IAP".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A423

NAME: MICHAEL GARRITY

**APPROVED BY:**

**DATE:** 10/31/2024

**OFFICE:** AJV-A423

**NAME:** ALLAN WILL

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: KEOKK

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 403312.25N/0912413.20W

TYPE: WP, DME

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

## FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM NM	FAC FEET	MRA	MAA
1	KIRKSVILLE	IRK	VORTAC	H	058.90	064.90	60.00	60.00		18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J26	1				(US)
STAR	BENKY (RNAV)			KORD	CHICAGO	IL (US)
STAR	BRADFORD	1		KORD	CHICAGO	IL (US)
STAR	SHAIN (RNAV)			KORD	CHICAGO	IL (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/20/2023

## REASON FOR REVISION:

REMOVED QUINCY (UIN) VORTAC FROM FIX MAKE-UP FAC.

REMOVED "INT" FROM TYPE.

REMOVED "KIRKSVILLE (FAC 1) USED TO ESTABLISH FIX COORDINATES" FROM REMARKS.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A432

NAME: JOSHUA SAENZ

APPROVED BY:

DATE: 04/20/2023

OFFICE: AJV-A430

NAME: CASIMIR TABAKA

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: KIRKSVILLE VORTAC

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 400806.06N/0923530.17W

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	KIRKSVILLE	IRK	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	NW	IRK	VORTAC	314.00	134.00	R	1		3000	6000	4	5
2	W	IRK	VORTAC	248.00	068.00	L	1 1/2		18000	45000	16	29
3	SW		WP	247.00	067.00	L		10	24000	33000	20	25

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (29-000386)	401335.00N/0923638.00W	1424	4D
1	310	TOWER (29-001437)	401434.00N/0922543.00W	1949	5D

REASON FOR NONSTANDARD HOLDING:

PAT 2 HOLD WEST ON J96.

PAT 3 ATC REQUEST

HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

ASSIGNED FACILITY MAGVAR: E6/1965.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J151					(US)
EN ROUTE	J232					(US)
EN ROUTE	J233					(US)
EN ROUTE	J26					(US)
EN ROUTE	J45					(US)
EN ROUTE	J87					(US)
EN ROUTE	J96		2			(US)
EN ROUTE	V10					(US)
EN ROUTE	V175					(US)
EN ROUTE	V181					(US)
EN ROUTE	V50					(US)
EN ROUTE	V502					(US)
IAP	ILS OR LOC RWY 36			KIRK	KIRKSVILLE	MO (US)
IAP	VOR-A		1	KIRK	KIRKSVILLE	MO (US)
IAP	RNAV (GPS) RWY 20			K89	MACON	MO (US)
STAR	ENDEE (RNAV)		3	KMDW	CHICAGO	IL (US)
STAR	BENKY (RNAV)			KORD	CHICAGO	IL (US)
STAR	BRADFORD			KORD	CHICAGO	IL (US)
STAR	SHAIN (RNAV)			KORD	CHICAGO	IL (US)
STAR	MOTIF		2	KGYG	GARY/CHICAGO	IN (US)
STAR	BRAYMER			KFLV	FORT LEAVENWORTH	KS (US)
STAR	BRAYMER			KIXD	OLATHE	KS (US)
STAR	BRAYMER			KOJC	OLATHE	KS (US)
STAR	BRAYMER			KMCI	KANSAS CITY	MO (US)
STAR	BRAYMER			KMKC	KANSAS CITY	MO (US)
STAR	BRAYMER			KLXT	LEE'S SUMMIT	MO (US)
STAR	BRAYMER			KGPH	MOSBY	MO (US)
STAR	BRAYMER			KSTJ	ST JOSEPH	MO (US)
STAR	LORLE (RNAV)			KSTL	ST LOUIS	MO (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 30

DATE OF REVISION: 12/26/2024

REASON FOR REVISION:

FIX USE REMOVED KMDW MOTIF STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A431

**NAME:** CHARLES HIRST**APPROVED BY:****DATE:** 12/26/2024**OFFICE:** AJV-A431**NAME:** ERIC N SUSKI**SIGNATURE:**



# RADIO FIX AND HOLDING DATA RECORD

NAME: LOAMY

STATE: MO

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 402528.31N/0914703.84W

TYPE: WP, DME

AIRSPACE DOCKET: 22-ACE-13

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	KIRKSVILLE	IRK	VORTAC	H	058.65	064.65	40.93	40.93		2500	45000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
IRK	VORTAC	R-059	41	2500	15500

## 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	SW	IRK	VORTAC	058.65	058.65	R	1 1/2		18000	45000	18	31
2	W		WP	247.65	067.65	R		12	24000	45000	20	30

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

FIX IS 40.93 FT OFFSET FROM CENTERLINE OF J26.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	J26	1	1			(US)
EN ROUTE	V10	1				(US)
IAP	RNAV(GPS) RWY 35			KFSW	FORT MADISON	IA (US)
IAP	RNAV (GPS) RWY 8			KEOK	KEOKUK	IA (US)
IAP	RNAV (GPS) RWY 14			KEOK	KEOKUK	IA (US)
STAR	BENKY (RNAV)		2	KORD	CHICAGO	IL (US)
STAR	BRADFORD	1	1	KORD	CHICAGO	IL (US)
STAR	SHAIN (RNAV)		2	KORD	CHICAGO	IL (US)

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

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14

DATE OF REVISION: 06/15/2023

## REASON FOR REVISION:

1. ADDED AIRSPACE DOCKET 22-ACE-13.
2. DELETED "INT" FROM FIX TYPE.
3. DELETED UIN VORTAC IN FIX MAKE-UP FACILITIES AND ESV.
4. DELETED REMARK "KIRKSVILLE (FAC 1) AND QUINCY (FAC 2) USED TO ESTABLISH FIX COORDINATES".
5. DELETED "FIX COORDINATES ESTABLISHED AT INTERSECTION OF V10 AND V52" FROM J26 CENTERLINE REMARK.
6. DELETED V52 IN FIX USE.
7. DELETED FAC 2 FROM J26 AND V10 IN FIX USE.
8. ADDED "CONTROLLER LOW" AND "CONTROLLER HIGH" IN REQUIRED CHARTING.
9. CHANGED FAC 1 IRK MRA FROM "3000" TO "2500" IN FIX MAKE-UP FACILITIES.
10. CHANGED IRK ESV MIN/MAX ALTITUDES FROM "3000/45000" TO "2500/15500".

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A421

NAME: DANIEL JOHNSEN

APPROVED BY:

DATE: 06/15/2023

OFFICE: AJV-A421

NAME: JASON KRETSCHMER

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: MAGOO

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 400129.73N/0904542.60W

TYPE: WP, 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	BRADFORD	BDF	VORTAC	H	218.64	218.64	86.65	86.65	18000	45000
2	SPINNER	SPI	VORTAC	VH	283.86	282.86		51.25	18000	45000
3	PEORIA	PIA	VORTAC	L	224.85	228.85		59.32	18000	35000

## EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
PIA	VORTAC	R-225	60	18000	35000

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	SW	BDF	VORTAC	218.64	038.64	R	1 1/2		18000	35000	18	27
2	SW	WP	WP	219.00	039.00	R		10	18000	35000	17	26

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERNS.

## REMARKS:

BRADFORD (FAC 1) AND SPINNER (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	J181	1				(US)
STAR	ENDEE (RNAV)		2	KMDW	CHICAGO	IL (US)
STAR	BRADFORD	1, 2	1	KORD	CHICAGO	IL (US)

REQUIRED CHARTING: STAR, EN ROUTE HIGH, CONTROLLER HIGH

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 12

DATE OF REVISION: 12/26/2024

## REASON FOR REVISION:

1. FIX USE REMOVED KMDW MOTIF STAR.
2. FIX USE REMOVED KGYG MOTIF STAR.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A431

NAME: CHARLES HIRST

APPROVED BY:

DATE: 12/26/2024

OFFICE: AJV-A431

NAME: ERIC N SUSKI

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

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

**LATITUDE/LONGITUDE:** 385138.60N/0902856.46W      **TYPE:**

**AIRSPACE DOCKET:** 23-ASO-4      **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 LOUIS	STL	VORTAC	VH						45000

**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	STL	VORTAC	150.00	330.00	R	1	3000 6000	4 5

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	AAO	385012.00N/0902039.00W	873	4E
1	310	TOWER (17-001582)	390014.00N/0902958.00W	1150	5E

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN.

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
STL MAGVAR 1995/E1.

**FIX USE:  
USE TYPE**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	GATEWAY			KALN	ALTON/ST LOUIS	IL (US)
DP	LINDBERGH			KALN	ALTON/ST LOUIS	IL (US)
DP	OZARK			KALN	ALTON/ST LOUIS	IL (US)
DP	PLESS			KALN	ALTON/ST LOUIS	IL (US)
DP	GATEWAY			KBLV	BELLEVILLE	IL (US)
DP	LINDBERGH			KBLV	BELLEVILLE	IL (US)
DP	OZARK			KBLV	BELLEVILLE	IL (US)
DP	PLESS			KBLV	BELLEVILLE	IL (US)
DP	GATEWAY			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	LINDBERGH			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	OZARK			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	PLESS			KCPS	CAHOKIA/ST LOUIS	IL (US)
DP	ROCKY			KEYE	INDIANAPOLIS	IN (US)
DP	ROCKY			KHXY	INDIANAPOLIS	IN (US)
DP	ROCKY			KIND	INDIANAPOLIS	IN (US)
DP	ROCKY			KMQJ	INDIANAPOLIS	IN (US)
DP	ROCKY			KTYQ	INDIANAPOLIS	IN (US)
DP	ROCKY			KUMP	INDIANAPOLIS	IN (US)
DP	ROCKY			KGEZ	SHELBYVILLE	IN (US)
DP	GATEWAY			KSTL	ST LOUIS	MO (US)
DP	LINDBERGH			KSTL	ST LOUIS	MO (US)
DP	OZARK			KSTL	ST LOUIS	MO (US)
DP	PLESS			KSTL	ST LOUIS	MO (US)
DP	GATEWAY			KSUS	ST LOUIS	MO (US)
DP	LINDBERGH			KSUS	ST LOUIS	MO (US)
DP	OZARK			KSUS	ST LOUIS	MO (US)
DP	PLESS			KSUS	ST LOUIS	MO (US)
EN ROUTE	J101					(US)
EN ROUTE	J110					(US)
EN ROUTE	J134					(US)
EN ROUTE	J151					(US)
EN ROUTE	J19					(US)
EN ROUTE	J233					(US)
EN ROUTE	J24					(US)
EN ROUTE	J35					(US)
EN ROUTE	J45					(US)
EN ROUTE	J8					(US)
EN ROUTE	Q176					(US)
EN ROUTE	Q19					(US)
EN ROUTE	V14					(US)
EN ROUTE	V4					(US)
EN ROUTE	V52					(US)
EN ROUTE	V580					(US)
EN ROUTE	V9					(US)
IAP	ILS OR LOC RWY 29			KALN	ALTON/ST LOUIS	IL (US)
IAP	VOR-A			KALN	ALTON/ST LOUIS	IL (US)
IAP	VOR RWY 18			KSET	ST CHARLES	MO (US)
IAP	ILS OR LOC RWY 12L			KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 12R			KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 24			KSTL	ST LOUIS	MO (US)

IAP	ILS OR LOC RWY 30L	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 6	KSTL	ST LOUIS	MO (US)
IAP	ILS RWY 12L (CAT II - III)	KSTL	ST LOUIS	MO (US)
IAP	TACAN RWY 12R	KSTL	ST LOUIS	MO (US)
IAP	TACAN RWY 30L	KSTL	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 26L	KSUS	ST LOUIS	MO (US)
IAP	ILS OR LOC RWY 8R	KSUS	ST LOUIS	MO (US)
STAR	BUUDD (RNAV)	KBLV	BELLEVILLE	IL (US)
STAR	BUUDD (RNAV)	KCPS	CAHOKIA/ST LOUIS	IL (US)
STAR	BRADFORD	KORD	CHICAGO	IL (US)
STAR	SHAIN (RNAV)	KORD	CHICAGO	IL (US)
STAR	TRTLL (RNAV)	KORD	CHICAGO	IL (US)
STAR	KOOOP	KSTL	ST LOUIS	MO (US)
STAR	BUUDD (RNAV)	KSUS	ST LOUIS	MO (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 32

**DATE OF REVISION:** 10/31/2024

**REASON FOR REVISION:**

1. AIRSPACE DOCKET: ADDED "23-ASO-4".
2. FIX USE: REMOVED NDB RWY 17 IAP @ KALN.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A423

**NAME:** MICHAEL GARRITY

**APPROVED BY:**

**DATE:** 10/31/2024

**OFFICE:** AJV-A423

**NAME:** ALLAN WILL

**SIGNATURE:**

# RADIO FIX AND HOLDING DATA RECORD

NAME: WIMPI

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 401041.57N/0903622.31W

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	FAC FEET	MRA	MAA
1	BRADFORD	BDF	VORTAC	H	218.64	218.64	75.00	75.00		18000	45000
2	SPINNER	SPI	VORTAC	H	296.66	295.66		47.37		18000	45000

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
STAR	BENKY (RNAV)			KORD	CHICAGO	IL (US)
STAR	BRADFORD	1, 2		KORD	CHICAGO	IL (US)

REQUIRED CHARTING: STAR

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 02/11/2010

## REASON FOR REVISION:

ADDED WP TO FIX TYPE.  
ADDED FAC 1 AND FAC 2 DIST FROM FAC (NM).  
UPDATED FIX USE.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 06/24/2009

OFFICE: AVN-120

NAME: STEVEN SZUKALA (SCOTT CORY)

APPROVED BY:

DATE: 01/25/2010

OFFICE: AVN-120

NAME: SUE CRUMB

SIGNATURE:

DISTRIBUTION:

NFDC  
FPO: CEN  
ARTCC: ZKC  
ATC FACILITY: ZAU ARTCC  
OTHER: