

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** AWIRU

**STATE:** IL

**COUNTRY:** US

**ICAO REGION CODE:** K5

**LATITUDE/LONGITUDE:** 403413.01N/0911801.89W

**TYPE:** WP

**AIRSPACE DOCKET:**

**FIX TYPE OF ACTION:** MODIFY

**HOLDING:**

**HOLDING TYPE OF ACTION:** NO CHANGE

**FIX USE:**

**USE TYPE**  
IAP

**USE TITLE**  
RNAV(GPS) RWY 35

**FAC**

**PAT**

**AIRPORT IDENT**  
KFSW

**CITY**  
FORT MADISON

**STATE**  
IA (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 2

**DATE OF REVISION:** 05/24/2018

**REASON FOR REVISION:**

MOVED FIX LOCATION FROM "403434.32N/0911808.43W" TO "403413.01N/0911801.89W" 0.36NM SOUTHEAST.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**DEVELOPED BY:**

**DATE:** 01/29/2018

**OFFICE:** AJV-5433

**NAME:** JAMES LAFFERTY

**APPROVED BY:**

**DATE:**

**OFFICE:** AJV-5430

**NAME:** PATRICK MULQUEEN

**SIGNATURE:**

**DISTRIBUTION:**

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: BURLINGTON VOR/DME

STATE: IA

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 404324.44N/0905533.20W

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	BURLINGTON	BRL	VOR/DME	L							17500

HOLDING:

HOLDING TYPE OF ACTION: MODIFY

## 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	E	BRL	VOR/DME	108.00	288.00	R	1		2300	17500	4	16
2	E	BRL	VOR/DME	073.25	253.25	R	1		2600	6000	4	5
3	NW	BRL	VOR/DME	309.21	129.21	R	1		2300	6000	4	5

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (17-002165)	404027.00N/0905216.00W	1080	5D
2	200	TOWER (17-002165)	404027.00N/0905216.00W	1080	5D
3	200	TOWER (17-002165)	404027.00N/0905216.00W	1080	5D

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
ASSIGNED FACILITY MAGVAR: 5 DEGREES E

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V10					(US)
EN ROUTE	V48					(US)
EN ROUTE	V580					(US)
EN ROUTE	V63					(US)
EN ROUTE	V67					(US)
IAP	ILS OR LOC RWY 36		1	KBRL	BURLINGTON	IA (US)
IAP	VOR RWY 12		1	KBRL	BURLINGTON	IA (US)
IAP	VOR RWY 30		1	KBRL	BURLINGTON	IA (US)
IAP	RNAV (GPS) RWY 17			KFSW	FORT MADISON	IA (US)
IAP	RNAV (GPS) RWY 35			KFSW	FORT MADISON	IA (US)
IAP	VOR-A		2	KFSW	FORT MADISON	IA (US)
IAP	ILS OR LOC RWY 26		3	KEOK	KEOKUK	IA (US)
IAP	RNAV (GPS) RWY 14			KEOK	KEOKUK	IA (US)
IAP	RNAV (GPS) RWY 36			KCTK	CANTON	IL (US)
IAP	ILS OR LOC RWY 3			KGBG	GALESBURG	IL (US)
IAP	RNAV (GPS) RWY 3			KGBG	GALESBURG	IL (US)
IAP	LOC RWY 27			KMQB	MACOMB	IL (US)
IAP	RNAV (GPS) RWY 9			KMQB	MACOMB	IL (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW, CONTROLLER LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 20

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

1. HOLDING PAT 2: UPDATED RAD/CRS/BRG FROM 073.26 TO 073.25 AND CRS INBOUND FROM 253.26 TO 253.25.  
2. REMARKS: REFORMATTED "ASSIGNED FACILITY MAGVAR: 5E/1965" TO "ASSIGNED FACILITY MAGVAR: 5 DEGREES E."

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: RICHARD BRUCE

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A420

NAME: BEV L BORDY

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: DRIBS

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 402729.44N/0911558.66W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: NO CHANGE

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	S		WP	166.89	346.89	R	4	2600	6000	5	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (17-000616)	402535.78N/0911003.37W	1035	1A

## 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	RNAV (GPS) RWY 17		1	KFSW	FORT MADISON	IA (US)
IAP	RNAV (GPS) RWY 35		1	KFSW	FORT MADISON	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 04/17/2025

## REASON FOR REVISION:

1. CONTROLLING OBSTRUCTIONS, PAT 1: UPDATED COORDINATES FROM 402536.00N/0911004.00W TO 402535.78N/0911003.37W, ELEVATION FROM 1085 TO 1035, AND ACCURACY CODE FROM 4D TO 1A.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

OFFICE OF PRIMARY RESPONSIBILITY:

AJV-A422

NAME: RICHARD BRUCE

APPROVED BY:

DATE: 03/13/2025

OFFICE: AJV-A420

NAME: BEV L BORDY

SIGNATURE:

# RADIO FIX AND HOLDING DATA RECORD

NAME: FILLS

STATE: IA

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 403716.60N/0911858.11W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV(GPS) RWY 35

FAC

PAT

AIRPORT IDENT  
KFSW

CITY  
FORT MADISON

STATE  
IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

MOVED FIX LOCATION FROM "403716.61N/0911858.13W" TO "403716.596N/0911858.109W" 2.15 FEET SOUTHEAST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/29/2018

OFFICE: AJV-5433

NAME: JAMES LAFFERTY

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: HOTT5

STATE: IA

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 405135.96N/0912322.43W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

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 MIN	ALTITUDES MAX	TEMPLATES MIN	MAX
1	N		WP	346.81	166.81	R	4	2600	6000	5	6

## CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (19-022611)	405717.22N/0912342.66W	1201	2C

## HOLDING RESTRICTIONS:

HOLDING LIMITED TO ESTABLISHED PATTERN.

## REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

## FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV(GPS) RWY 17		1	KFSW	FORT MADISON	IA (US)
IAP	RNAV(GPS) RWY 35		1	KFSW	FORT MADISON	IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4

DATE OF REVISION: 05/24/2018

## REASON FOR REVISION:

1. MOVED FIX LOCATION FROM "405035.100N/0912303.630W" TO "405135.960N/0912322.430W", 1.04NM NORTH. FIX NAME MAINTAINED AT ATC/FPT REQUEST.
2. CHANGED PAT 1 CONTROLLING OBSTACLE FROM "1105 TOWER" TO 1201 WINDMILL"

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/29/2018

OFFICE: AJV-5433

NAME: JAMES LAFFERTY

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

# 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: LUGIF

STATE: IA

COUNTRY: US

ICAO REGION CODE: K3

LATITUDE/LONGITUDE: 402540.06N/0912610.83W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV(GPS) RWY 35

FAC

PAT

AIRPORT IDENT  
KFSW

CITY  
FORT MADISON

STATE  
IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

MOVED FIX LOCATION FROM "402722.10N/0912239.98W" TO "402540.06N/0912610.83W" 3.18NM SOUTHWEST. FIX MOVED TO ACCOMMODATE NEW TAA AND NAME RETAINED AT ATC REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/29/2018

OFFICE: AJV-5433

NAME: JAMES LAFFERTY

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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

# RADIO FIX AND HOLDING DATA RECORD

NAME: ZONOL

STATE: IL

COUNTRY: US

ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 402917.92N/0910545.94W

TYPE: WP

AIRSPACE DOCKET:

FIX TYPE OF ACTION: MODIFY

HOLDING:

HOLDING TYPE OF ACTION: NO CHANGE

FIX USE:

USE TYPE  
IAP

USE TITLE  
RNAV(GPS) RWY 35

FAC

PAT

AIRPORT IDENT  
KFSW

CITY  
FORT MADISON

STATE  
IA (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1

DATE OF REVISION: 05/24/2018

REASON FOR REVISION:

MOVED FIX LOCATION FROM "402938.29N/0910954.24W" TO "402917.92N/0910545.94W" 3.18NM EAST. FIX MOVED TO ACCOMMODATE NEW TAA AND NAME RETAINED AT ATC REQUEST.

INITIATED BY:

DATE:

ORGANIZATION:

NAME:

DEVELOPED BY:

DATE: 01/29/2018

OFFICE: AJV-5433

NAME: JAMES LAFFERTY

APPROVED BY:

DATE:

OFFICE: AJV-5430

NAME: PATRICK MULQUEEN

SIGNATURE:

DISTRIBUTION:

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