

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** AZDAV **STATE:** WI **COUNTRY:** US **ICAO REGION CODE:** K5

**LATITUDE/LONGITUDE:** 424708.75N/0881608.56W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** CANCEL

**HOLDING:** **HOLDING TYPE OF ACTION:**

<b>FIX USE:</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
<b>USE TYPE</b>						
IAP	RNAV (GPS) RWY 23			C02	LAKE GENEVA	WI (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 12/07/2017

**REASON FOR REVISION:**  
1. DELETE FAC 1.  
2. UPDATED FIX USE FORMAT.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	<b>DATE:</b> 07/17/2017	<b>OFFICE:</b> AJV-5433	<b>NAME:</b> SYLVAN DRAKES
<b>APPROVED BY:</b>	<b>DATE:</b> 12/18/2025	<b>OFFICE:</b> AJV-A430	<b>NAME:</b> CASIMIR TABAKA

**SIGNATURE:**

**DISTRIBUTION:** **NFDC**  
**FPO:** CEN  
**ARTCC:** ZAU  
**ATC FACILITY:** MKE APP CON, MKE DEP CON  
**OTHER:**

*Digitally signed by*  
**ROBERT G HAMILTON**  
Sep 25, 2025





IAP	RNAV (GPS) RWY 7L		KMKE	MILWAUKEE	WI (US)
IAP	RNAV (GPS) Z RWY 25L	4	KMKE	MILWAUKEE	WI (US)
IAP	RNAV (GPS) Z RWY 7R	4	KMKE	MILWAUKEE	WI (US)
IAP	LOC RWY 15L	1	KMWC	MILWAUKEE	WI (US)
IAP	RNAV (GPS) RWY 4L		KMWC	MILWAUKEE	WI (US)
IAP	ILS OR LOC RWY 4		KRAC	RACINE	WI (US)
IAP	NDB RWY 23		KRYV	WATERTOWN	WI (US)
IAP	NDB RWY 5		KRYV	WATERTOWN	WI (US)
IAP	RNAV (GPS) RWY 23		KRYV	WATERTOWN	WI (US)
IAP	RNAV (GPS) RWY 29		KRYV	WATERTOWN	WI (US)
IAP	ILS OR LOC RWY 10	1	KUES	WAUKESHA	WI (US)
IAP	VOR -A	2	KUES	WAUKESHA	WI (US)
IAP	RNAV (GPS) RWY 13		KETB	WEST BEND	WI (US)
IAP	RNAV (GPS) RWY 31		KETB	WEST BEND	WI (US)
IAP	RNAV (GPS) RWY 6		KETB	WEST BEND	WI (US)
IAP	VOR RWY 13		KETB	WEST BEND	WI (US)
STAR	AGUDE		KCFE	BUFFALO	MN (US)
STAR	AGUDE		KFBL	FARIBAULT	MN (US)
STAR	AGUDE		KGYL	GLENCOE	MN (US)
STAR	AGUDE		KMGG	MAPLE LAKE	MN (US)
STAR	AGUDE		KANE	MINNEAPOLIS	MN (US)
STAR	AGUDE		KFCM	MINNEAPOLIS	MN (US)
STAR	AGUDE		KLVN	MINNEAPOLIS	MN (US)
STAR	AGUDE		KMIC	MINNEAPOLIS	MN (US)
STAR	EAU CLAIRE		KMSP	MINNEAPOLIS	MN (US)
STAR	AGUDE		KSGS	SOUTH ST PAUL	MN (US)
STAR	AGUDE		21D	ST PAUL	MN (US)
STAR	AGUDE		KSTP	ST PAUL	MN (US)
STAR	AGUDE		KRNH	NEW RICHMOND	WI (US)
STAR	AGUDE		KOEO	OSCEOLA	WI (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 39

**DATE OF REVISION:** 01/22/2026

**REASON FOR REVISION:**

FIX USE: REMOVED C02 RNAV (GPS) RWY 23.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** JOHN KEEFER

**APPROVED BY:**

**DATE:** 12/18/2025

**OFFICE:** AJV-A430

**NAME:** CASIMIR TABAKA

*Digitally signed by*

**ROBERT G HAMILTON**

Sep 25, 2025

**SIGNATURE:**



# RADIO FIX AND HOLDING DATA RECORD

**NAME:** IKLIW **STATE:** WI **COUNTRY:** US **ICAO REGION CODE:** K5

**LATITUDE/LONGITUDE:** 423908.05N/0880801.22W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** CANCEL

**HOLDING:** **HOLDING TYPE OF ACTION:**

<b>FIX USE:</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
<b>USE TYPE</b> IAP	RNAV (GPS) RWY 23			C02	LAKE GENEVA	WI (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 12/07/2017

**REASON FOR REVISION:**  
1. DELETE FAC 1.  
2. UPDATED FIX USE FORMAT.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	<b>DATE:</b> 07/17/2017	<b>OFFICE:</b> AJV-5433	<b>NAME:</b> SYLVAN DRAKES
<b>APPROVED BY:</b>	<b>DATE:</b> 12/18/2025	<b>OFFICE:</b> AJV-A430	<b>NAME:</b> CASIMIR TABAKA

**SIGNATURE:**

*Digitally signed by*  
**ROBERT G HAMILTON**  
Sep 25, 2025

**DISTRIBUTION:** **NFDC**  
**FPO:** CEN  
**ARTCC:** ZAU  
**ATC FACILITY:** MKE APP CON, MKE DEP CON  
**OTHER:**





IAP	ILS OR LOC RWY 9C		KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 9L	1	KORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 9R		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10C (CAT II-III)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10C (SA CAT I)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (CAT II-III)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 10L (SA CAT I)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 22L (SA CAT I-II)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 27C (CAT II-III)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 27C (SA CAT I)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 27L (CAT II-III)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 27L (SA CAT I)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 27R (CAT II-III)	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 27R (SA CAT I)	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 28C (CAT II-III)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 28C (SA CAT I)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 28L (CAT II-III)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 28L (SA CAT I)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 4R (SA CAT I-II)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9C (CAT II-III)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9C (SA CAT I)		KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (CAT II-III)	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 9L (SA CAT I)	1	KORD	CHICAGO	IL (US)
IAP	ILS RWY 9R (CAT II-III)		KORD	CHICAGO	IL (US)
IAP	ILS Y OR LOC Y RWY 10R		KORD	CHICAGO	IL (US)
IAP	ILS Z OR LOC Z RWY 10R		KORD	CHICAGO	IL (US)
IAP	ILS Z RWY 10R (CAT II-III)		KORD	CHICAGO	IL (US)
IAP	ILS Z RWY 10R (SA CAT I)		KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 27R	3	KORD	CHICAGO	IL (US)
IAP	RNAV (GPS) RWY 9L	3	KORD	CHICAGO	IL (US)
IAP	ILS PRM RWY 10C		ORD	CHICAGO	IL (US)
IAP	ILS PRM RWY 10C (CAT II-III)		ORD	CHICAGO	IL (US)
IAP	ILS PRM RWY 10C (SA CAT I)		ORD	CHICAGO	IL (US)
IAP	ILS PRM RWY 28C		ORD	CHICAGO	IL (US)
IAP	ILS PRM RWY 28C (CAT II-III)		ORD	CHICAGO	IL (US)
IAP	ILS PRM RWY 28C (SA CAT I)		ORD	CHICAGO	IL (US)
IAP	ILS PRM Y RWY 10R		ORD	CHICAGO	IL (US)
IAP	ILS OR LOC RWY 16	2	KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
IAP	VOR RWY 16	2	KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
IAP	LOC RWY 2		KLOT	CHICAGO/ROMEDEVILLE	IL (US)
IAP	ILS OR LOC RWY 23		KUGN	CHICAGO/WAUKEGAN	IL (US)
IAP	ILS OR LOC RWY 2		KDKB	DE KALB	IL (US)
IAP	RNAV (GPS)-B		C81	GRAYSLAKE	IL (US)
IAP	ILS OR LOC RWY 7L		KENW	KENOSHA	WI (US)
IAP	RNAV (GPS) RWY 7L		KENW	KENOSHA	WI (US)
IAP	ILS OR LOC RWY 4		KRAC	RACINE	WI (US)
IAP	RNAV (GPS) RWY 32		KRAC	RACINE	WI (US)
STAR	JANESVILLE		KORD	CHICAGO	IL (US)
STAR	GOPAC (RNAV)		KPWK	CHICAGO/PROSPECT HEIGHTS/WHEELING	IL (US)
STAR	GOPAC (RNAV)		KUGN	CHICAGO/WAUKEGAN	IL (US)
STAR	GOPAC (RNAV)		KBUJ	BURLINGTON	WI (US)
STAR	GOPAC (RNAV)		57C	EAST TROY	WI (US)
STAR	GOPAC (RNAV)		KHXF	HARTFORD	WI (US)
STAR	GOPAC (RNAV)		KENW	KENOSHA	WI (US)
STAR	GOPAC (RNAV)		KMKE	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)		KMWC	MILWAUKEE	WI (US)
STAR	GOPAC (RNAV)		KRAC	RACINE	WI (US)
STAR	GOPAC (RNAV)		KUES	WAUKESHA	WI (US)
STAR	GOPAC (RNAV)		KETB	WEST BEND	WI (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 40

**DATE OF REVISION:** 01/22/2026

**REASON FOR REVISION:**

1. FIX USE: REMOVED C02 RNAV (GPS) RWY 23.
2. FIX USE: CORRECTED TYPO ON ILS PRM IAPS AT KORD.

**INITIATED BY:**

**DATE:**

**ORGANIZATION:**

**NAME:**

**OFFICE OF PRIMARY RESPONSIBILITY:**

AJV-A432

**NAME:** JOHN KEEFER

**APPROVED BY:**

**DATE:** 12/18/2025

**OFFICE:** AVJ-A430

**NAME:** CASIMIR TABAKA

**SIGNATURE:**

*Digitally signed by*  
**ROBERT G HAMILTON**

Sep 25, 2025



# RADIO FIX AND HOLDING DATA RECORD

NAME: OWOZA STATE: WI COUNTRY: US ICAO REGION CODE: K5

LATITUDE/LONGITUDE: 424308.47N/0881204.63W TYPE: WP

AIRSPACE DOCKET: FIX TYPE OF ACTION: CANCEL

HOLDING: HOLDING TYPE OF ACTION: CANCEL

**PATTERNS:**

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME DME	HOLDING MIN	ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	NE		WP	057.22	237.22	R	4	3000	6000	5	6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (55-000250)	424814.00N/0880300.00W	1313	5D

**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 23		1	C02	LAKE GENEVA	WI (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 DATE OF REVISION: 12/07/2017

**REASON FOR REVISION:**

1. DELETE FAC 1.
2. MOVED HOLDING LIMITED TO ESTABLISHED PATTERN FROM REMARKS TO HOLDING RESTRICTIONS.
3. ADDED PRECIPITOUS TERRAIN EVALUATION COMPLETED TO REMARKS.
4. UPDATED HOLDING PATTERN 1 RAD/CRS/BRG AND CRS INBOUND FROM 055.22/235.22 "TO" 057.22/237.22; UPDATED MAX ALTITUDE FROM 17500 TO 6000; AND UPDATED MAX TEMPLATE FROM 16 TO 6.
5. UPDATED OBSTACLE ID FROM 50-0250 TO 55-000250.
6. UPDATED FIX USE FORMAT AND ADDED PAT 1.

INITIATED BY:	DATE:	ORGANIZATION:	NAME:
DEVELOPED BY:	DATE: 07/17/2017	OFFICE: AJV-5433	NAME: SYLVAN DRAKES
APPROVED BY:	DATE: 12/18/2025	OFFICE: AJV-A430	NAME: CASIMIR TABAKA

SIGNATURE: *Digitally signed by*  
**ROBERT G HAMILTON**

Sep 25, 2025

DISTRIBUTION: NFDC  
FPO: CEN  
ARTCC: ZAU  
ATC FACILITY: MKE APP CON, MKE DEP CON  
OTHER:



# RADIO FIX AND HOLDING DATA RECORD

**NAME:** TEHRA **STATE:** WI **COUNTRY:** US **ICAO REGION CODE:** K5

**LATITUDE/LONGITUDE:** 424008.68N/0881730.34W **TYPE:** WP

**AIRSPACE DOCKET:** **FIX TYPE OF ACTION:** CANCEL

**HOLDING:** **HOLDING TYPE OF ACTION:**

<b>FIX USE:</b>	<b>USE TITLE</b>	<b>FAC</b>	<b>PAT</b>	<b>AIRPORT IDENT</b>	<b>CITY</b>	<b>STATE</b>
<b>USE TYPE</b>						
IAP	RNAV (GPS) RWY 23			C02	LAKE GENEVA	WI (US)

**REQUIRED CHARTING:** IAP

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 1 **DATE OF REVISION:** 12/07/2017

**REASON FOR REVISION:**  
1. DELETE FAC 1.  
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<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>DEVELOPED BY:</b>	<b>DATE:</b> 07/17/2017	<b>OFFICE:</b> AJV-5433	<b>NAME:</b> SYLVAN DRAKES
<b>APPROVED BY:</b>	<b>DATE:</b> 12/18/2025	<b>OFFICE:</b> AJV-A430	<b>NAME:</b> CASIMIR TABAKA

**SIGNATURE:**

*Digitally signed by*  
**ROBERT G HAMILTON**  
Sep 25, 2025

**DISTRIBUTION:** **NFDC**  
**FPO:** CEN  
**ARTCC:** ZAU  
**ATC FACILITY:** MKE APP CON, MKE DEP CON  
**OTHER:**

