

# RADIO FIX AND HOLDING DATA RECORD

**NAME:** INDEX **STATE:** MI **COUNTRY:** US **ICAO REGION CODE:** K5

**LATITUDE/LONGITUDE:** 431924.10N/0842852.34W **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 FAC NM	MRA	MAA
1	SAGINAW	MBS	VOR/DME	VL	237.86	234.86	21.63	21.63	2600	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	SW	MBS	VOR/DME	237.86	057.86	L	1	2600 6000	5 6

**CONTROLLING OBSTRUCTIONS:**

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	WINDMILL (26-021158)	431809.01N/0843430.88W	1236	5D

**REASON FOR NONSTANDARD HOLDING:**

PAT 1 ATC REQUEST

**HOLDING RESTRICTIONS:**

HOLDING LIMITED TO ESTABLISHED PATTERN(S).

**REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.  
PAT 1 PER ATC REQUEST.

**FIX USE:**

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V274	1				(US)
IAP	RNAV (GPS) RWY 6			IKW	MIDLAND	MI (US)
IAP	ILS OR LOC RWY 5	1		MBS	SAGINAW	MI (US)

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

**COMPULSORY REPORTING POINT:** NO

**RECORD REVISION NUMBER:** 8 **DATE OF REVISION:** 07/09/2026

**REASON FOR REVISION:**

1. DELETED "INT" AND ADDED "WP" IN FIX TYPE.
2. MBS CLASS CHANGED FROM "L" TO "VL" IN FIX MAKE-UP FACILITIES.
3. DELETED MOP IN FIX MAKE-UP FACILITIES -- MOP VOR MON.
4. ADDED HOLDING RESTRICTION "HOLDING LIMITED TO ESTABLISHED PATTERN(S)".
5. CHANGED NONSTANDARD HOLDING REMARK FROM "PAT 1 - LEFT TURNS ATC REQUEST" TO "PAT 1 ATC REQUEST".
6. DELETED REMARK "SAGINAW (FAC 1) AND MOUNT PLEASANT (FAC 2) USED TO ESTABLISH FIX COORDINATES".
7. DELETED FAC 2 FROM EN ROUTE V274 IN FIX USE.

<b>INITIATED BY:</b>	<b>DATE:</b>	<b>ORGANIZATION:</b>	<b>NAME:</b>
<b>OFFICE OF PRIMARY RESPONSIBILITY:</b>		AJV-A432	<b>NAME:</b> DANIEL JOHNSEN
<b>APPROVED BY:</b>	<b>DATE:</b> 06/04/2026	<b>OFFICE:</b> AJV-A432	<b>NAME:</b> CASIMIR TABAKA
	<b>SIGNATURE:</b>		





**SIGNATURE:**