

**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
ILS STANDARD INSTRUMENT APPROACH PROCEDURE**

**TITLE 14 CFR PART 97.29**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.  
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> SAWYER INTL	<u>AIRPORT ID</u> KSAW	<u>PROCEDURE NAME</u> ILS OR LOC RWY 1	<u>ORIGINAL/AMENDMENT</u> 1A	<u>CITY</u> MARQUETTE	<u>STATE</u> MI
<u>AIRPORT ELEVATION</u> 1204	<u>TDZE</u> 1180	<u>SUPERSEDED</u> ILS OR LOC RWY 1	<u>ORIGINAL/AMENDMENT</u> 1	<u>DATED</u> 09/13/2018	<u>MAG VAR</u> 4W
<u>FACILITY</u> I-SOU	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 10 OCTOBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2000

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SAW VOR/DME		EVYIP INT/SAW 17.47 DME					192.50	17.47	3500
IMT VOR/DME	IAF	EVYIP INT/SAW 17.47 DME	NOPT				062.52	31.33	3500
ESC VOR/DME	IAF	EVYIP INT/SAW 17.47 DME	NOPT				323.60	26.02	3500
EVYIP INT/SAW 17.47 DME	IF/IAF	FOLUK/SAW 5.94 DME					012.95	11.53	2700

**MISSED APPROACH**

**MAP:**

ILS: DA  
LOC: SAW 1.33 DME

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 1700 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 101.00 AND ON SAW VOR/DME R-095 TO YEXJO INT AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS (DO NOT CHART):**

CLIMB TO 1700 THEN CLIMBING LEFT TURN TO 3500 ON HEADING 150.00 AND ON ESC VOR/DME R-324 TO EVYIP INT/17.47 DME AND HOLD.

**PROFILE:**

- PT      **SIDE OF COURSE**                      **OUTBOUND**                      **FT WITHIN**                      **MILES OF (IAF)**
- HOLD S EVYIP, RT, 012.95 INBOUND, 3500 FT. IN LIEU OF PT (IAF), MAX 5000.
- FAC:** 012.95      **FAF:** FOLUK/SAW 5.94 DME      **DIST FAF TO MAP:**                      **DIST FAF TO THLD:** 4.62
- MIN ALT:** EVYIP INT/SAW 17.47 DME 3500, FOLUK/SAW 5.94 DME 2700, GAMGE/SAW 3.88 DME 2040\*
- DIST TO THLD FROM PFAF:** 4.62      **MM:**                      **IM:**                      **150 HAT:**                      **GS ANT:** 954
- MIN GS INCPT:** 2700                      **GS ALT AT FAF :** FOLUK/SAW 5.94 DME 2700                      **OM:**                      **MM:**                      **IM:**
- GP ANGLE:** 3.00                      **34:1:**                      **20:1:**                      **TCH:** 50.1
- MSA FROM:** SAW VOR/DME 070-170 3700, 170-070 3100



**EQUIPMENT REQUIREMENTS NOTES:**

DME REQUIRED FOR LOC ONLY.

**NOTES:**

CHART PROFILE NOTE: VGS1 AND ILS GLIDEPATH NOT COINCIDENT (VGS1 ANGLE {ANGLE}/TCH {FEET}).  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON SAW VOR/DME AIRWAY RADIALS 165 CW 227.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON IMT VOR/DME AIRWAY RADIALS 044 CW 099.  
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS ON ESC VOR/DME AIRWAY RADIALS 278 CW 341.  
 CHART NOTE: AUTOPILOT COUPLED APPROACH NA BELOW 1360 MSL.

**ADDITIONAL FLIGHT DATA:**

CHART CIRCLING ICON.  
 CHART VDP AT 2.29 DME\*  
 DISTANCE VDP TO THLD 0.97 NM  
 \* LOC ONLY  
 CHART FAS OBST: 1289 TREE 461842N/0872359W.  
 CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD S EVYIP INT/17.47 DME, RT, 012.95 INBOUND.  
 HOLD E, RT, 275.29 INBOUND

**MINIMUMS:**

**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT**

**ALTERNATE:** NA

<b><u>CATEGORY:</u></b>	<b><u>A</u></b>			<b><u>B</u></b>			<b><u>C</u></b>			<b><u>D</u></b>			<b><u>E</u></b>			
	<b><u>FINAL TYPE</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>	<b><u>DA/MDA</u></b>	<b><u>VIS</u></b>	<b><u>HAT/HAA</u></b>
S-ILS 01	1380	1/2	200	1380	1/2	200	1380	1/2	200	1380	1/2	200				
S-LOC 01	1580	1/2	400	1580	1/2	400	1580	5/8	400	1580	5/8	400				
CIRCLING	1680	1	476	1680	1	476	1820	1 3/4	616	1820	2	616				

**CHANGES - REASONS**

1. CHANGED COURSE FROM IMT VOR/DME TO EVYIP INT/SAW 17.47 DME FROM 64.52 TO 62.52 - INCORPORATING T-NOTAM 9/7513, IMT VOR/DME MAGVAR 2W.
2. CHANGED EVYIP INT/SAW 26.02 DME TO EVYIP INT/SAW 17.47 DME - CORRECT DME DISTANCE FROM SAW VOR/DME, 26.02 IS LEG LENGTH.
3. RAISED LOC MDA/HAT FROM 1540/360 TO 1580/400 - MISSED APPROACH PENETRATION, RAISE MDA INSTEAD OF RAISING MISSED CTA TO AVOID MAJOR AMENDMENT.
4. CHANGED PLANVIEW ALTERNATE MISSED APPROACH HOLDING INFO IN ADDITIONAL FLIGHT DATA FROM: ALTERNATE MA HOLDING, HOLD S EVYIP INT/17.47 DME, RT, 012.90 INBOUND TO: ALTERNATE MA HOLDING, HOLD S EVYIP INT/17.47 DME, RT, 012.95 INBOUND - RECIPROCAL OF RADIAL FROM I-SOU TO EVYIP, MATCH 8260-2 INBOUND COURSE AND FAC.
5. CHANGED LINE 4 FROM: EVYIP 3500, FOLUK 2700, GAMGE/SAW 3.88 DME 2040\* TO: EVYIP INT/SAW 17.47 DME 3500, FOLUK/SAW 5.94 DME 2700, GAMGE/SAW 3.88 DME 2040\* - INCLUDE DESCRIBING FACILITY AND DME INFO.
6. CHANGED CHART PLANVIEW NOTE FROM: PROCEDURE NA FOR ARRIVALS ON ESC VOR/DME AIRWAY RADIALS 278 CW 010 TO: PROCEDURE NA FOR ARRIVALS ON ESC VOR/DME AIRWAY RADIALS 278 CW 341 - CORRECT RADIALS OFF OF ESC VOR/DME.
7. REMOVED CHART NOTE: FOR INOPERATIVE ALS INCREASE LOC CAT C/D VISIBILITY TO 1 SM - NEW INOP TABLE 8260.3D TABLE 3-3-1, STANDARD ADJUSTMENT TO 1 1/8 SM.
8. ADDED MAXIMUM HOLDING 5000 AT EVYIP - LIMITED BY LOC SERVICE VOLUME.



**COORDINATED WITH:**

**A4A**    **ALPA**    **AOPA**    **APA**    **HAI**    **NBAA**    **OTHER:** ZMP, AMGR

**FLIGHT CHECKED BY**

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT:  
FLIGHT INSPECTION REVIEW NOT REQUIRED *Digitally signed by*

**OFFICE**

**DATE**

**DEVELOPED BY**

DAVID DANNER (ANTHONY CAPPABIANCO)

*Digitally signed by*  
**DAVID DANNER**  
May 29, 2019

**DAVID DANNER**  
May 29, 2019

**OFFICE**

AJV-A421

**DATE**

04/23/2019

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*  
**DAVID DANNER**  
May 29, 2019

**OFFICE**

AJV-A420

**DATE**

**TITLE**  
MANAGER

