

COAM Verifier

User Manual

1. Overview

The COAM Verifier is a Windows-based diagnostic utility that can be used by authorized GA COAM Field Service Technicians to communicate directly with Class B COAM (Coin-Operated Amusement Machine) devices over a serial SAS (Slot Accounting System) connection. The tool sends standardized SAS commands to a machine and displays the real-time meter and event data returned, enabling on-site verification of machine state, metering accuracy, and operational status. You can download the COAM Verifier tool by clicking this link <https://gacoamrpt.com/Verifier.zip>.

NOTE: The COAM Verifier tool must be downloaded and installed on a laptop or tablet. It should not be downloaded to a mobile phone.

2. System Requirements & Setup

Operating System	Windows 7 or later (32-bit or 64-bit)
Serial Port	RS-232 COM port or USB-to-serial adapter (driver installed)
Cable	Null modem or SAS-compliant serial cable to machine SAS port
Software	COAMVerification.exe + ISMIB.ini (must be in same folder)
Permissions	Local administrator rights may be required to access COM ports

Configuration File (ISMIB.ini)

Before launching the application, confirm ISMIB.ini is configured correctly for the target machine:

port	COM port number the serial cable is connected to (e.g., COM9)
address	SAS machine address configured on the device (e.g: 5)
seed	CRC seed value used for SAS checksum validation (default: 0000)

NOTE: If the COM port or address is incorrect, the application will not receive responses from the machine. Verify Device Manager for the correct COM port number before launch.

3. Application Interface



Figure 1: COAM Verifier Main Window

The main window is divided into three functional areas: the machine identification bar at the top, the Events log panel in the center, and the meter command buttons on the left with their corresponding data fields on the right.

Header Bar

MACHINE #	The machine serial number as pulled directly from the board.
Date / Time	Displays current system date and time. Automatically stamps saved records.
SAVE	Saves the current session data (machine number and all displayed meter values) to a file.
NEW	Clears all fields and resets the form for a new machine verification session.
EXIT	Closes the application. Unsaved data will be lost.

Events Log

The large gray panel labeled EVENTS displays real-time communication activity between the application and the machine. This includes SAS commands sent, machine responses received, errors, and status messages. Review this panel when troubleshooting a non-responsive machine or unexpected meter values.

4. Command Buttons and Meter Fields

Each orange button on the left sends a specific SAS poll command to the connected COAM. The machine response populates the gray data field to the right of each button. Commands must be sent in the order listed below for accurate results.

Button	Function and Expected Response
SHUTDOWN	Sends a SAS shutdown command. Machine acknowledges shutdown and transitions to a disabled state. The data field confirms the shutdown response received.
STARTUP	Sends a SAS startup poll. Machine responds with its current operational state. Must be received before meter polls will return valid data.
REQUEST SIGNATURE	Requests the machine ROM or software signature. Returns a hash or CRC value that can be compared against the certified build on file with the GLC.
CANCELLED CREDITS	Polls the Cancelled Credits meter. Returns the cumulative value of credits that were cleared from the machine without being paid out (e.g., credits removed by attendant).
TOTAL DROP	Polls the Total Drop meter. Returns the total monetary value of currency inserted into the machine since last reset.
TOTAL IN	Polls the Total In (coin-in) meter. Returns total credits wagered by players across all games since last reset.
TOTAL OUT	Polls the Total Out (coin-out) meter. Returns total credits paid out to players since last reset.

NOTE: Always click **STARTUP** before requesting meter data. Polling meters before receiving a valid startup response may result in blank or stale values in the data fields.

5. Step-by-Step Verification Procedure

Follow this procedure each time you perform a COAM verification visit:

1. Connect the serial cable from the laptop COM port (or USB adapter) to the SAS port on the back of the COAM unit.
2. Verify ISMIB.ini reflects the correct port (e.g., COM9) and SAS machine address. Edit the file in Notepad if changes are needed before launching.
3. Launch COAMVerification.exe. The current date and time will appear in the header.
4. Enter the machine asset or serial number in the MACHINE # field.
5. Click STARTUP. Confirm the EVENTS panel shows a valid acknowledgment response from the machine. If no response appears within 5 seconds, check cabling and INI settings.
6. Click REQUEST SIGNATURE. Verify the returned value matches the GLC-certified ROM signature for this machine model.
7. Click each meter button in order: CANCELLED CREDITS, TOTAL DROP, TOTAL IN, TOTAL OUT. Allow 2 to 3 seconds between each click for the SAS response to populate.
8. Record all displayed values on the inspection form or click SAVE to capture the session data to file.
9. Click SHUTDOWN to send the shutdown command and gracefully terminate the SAS session.
10. Click NEW to clear the form if verifying additional machines or EXIT to close the application.

6. Troubleshooting

Symptom	Resolution
No response in EVENTS panel after STARTUP	Verify COM port in ISMIB.ini matches Device Manager. Check cable connection. Confirm machine is powered on.
Meter fields remain blank after button click	Ensure STARTUP was clicked first and returned a valid response. Retry the meter button. Check Events panel for error codes.
Wrong or unexpected signature value returned	Do not continue operation. Document the returned value and the expected certified value. Escalate to GLC compliance immediately.
Application crashes on launch	Confirm ISMIB.ini exists in the same folder as COAMVerification.exe. Verify .NET Framework 4.0 or later is installed.

7. Compliance and Data Handling

- This application is authorized for use by GA COAM authorized Field Service Technicians only.
- Do not leave the application open and unattended while connected to a machine.
- This tool reads meters only. It does not reset, clear, or modify any meter values on the machine.

8. Support Contact

For application issues, contact INTRALOT USA Technical Support at georgiacoamaudit@intralot.us.

NOTE: This manual applies to COAMVerification.exe version 1.0 using ISMIB.ini configuration. Future versions may include additional SAS command buttons or logging options.