

AWGSYNC01
Declassification and Security
Instructions



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Preface

This document helps customers with data security concerns to sanitize or remove memory devices from the Tektronix AWGSYNC01 HUB.

These products have data storage (memory) devices and data output devices. These instructions tell how to clear or sanitize the memory devices and disable the data output devices. The instructions also tell how to declassify an instrument that is not functioning.

Reference

The procedures in this document are written to meet the requirements specified in:

- NISPOM, DoD 5220.22–M, Chapter 8
- ISFO Process Manual for Certification & Accreditation of Classified Systems under NISPOM

Products

The following Tektronix products are covered by this document:

- AWGSYNC01

Terms used in this document

The following terms may be used in this document:

- **Clear.** This removes data on media/memory before reusing it in a secured area. All reusable memory is cleared to deny access to previously stored information by standard means of access.
- **Erase.** This is equivalent to clear.
- **Instrument Declassification.** A term that refers to procedures that must be undertaken before an instrument can be removed from a secure environment. Declassification procedures include memory sanitization and memory removal, and sometimes both.
- **Media storage/data export device.** Any of several devices that can be used to store or export data from the instrument, such as a USB port.
- **Nonvolatile memory.** Data is retained when the instrument is powered off.
- **Remove.** This is a physical means to clear the data by removing the memory device from the instrument. Instructions are available in the product Service Manual.
- **Sanitize.** This eradicates the data from media/memory so that the data cannot be recovered by other means or technology. This is typically used when the device will be moved (temporarily or permanently) from a secured area to a non-secured area.
- **Scrub.** This is equivalent to sanitize.
- **User Accessible.** User is able to directly retrieve the memory device contents.

- **User-modifiable.** User can write to the memory device during normal instrument operation, using the instrument interface or remote control.
- **Volatile memory.** Data is lost when the instrument is powered off.

Device terms

The following terms are used with the memory devices in this document:

- **User data.** Describes the type of information stored in the device. Refers to waveforms or other measurement data representing signals connected to the instrument by users.
- **User settings.** Describes the type of information stored in the device. Refers to instrument settings that can be changed by the user.
- **Both.** Describes the type of information stored in the device. It means that both user data and user settings are stored in the device.
- **None.** Describes the type of information stored in the device. It means that neither user data nor user settings are stored in the device.
- **Directly.** Describes how data is modified. It means that the user can modify the data.
- **Indirectly.** Describes how data is modified. It means that the instrument system resources modify the data and that the user cannot modify the data.

Memory devices

There are no volatile memory devices in this product.

Nonvolatile memory devices

Flash

Type and size	Flash 512 Mbits
Function	Holds instrument calibration data, serial number, and FPGA image.
Type of user information stored	None
Method of modification	Indirect
Data input method	Firmware operations
Location	Trigger board
User accessible	No
To clear	Not applicable. This device does not contain user data or settings. Clearing would disable instrument functionality.
Process to sanitize	Not applicable. This device does not contain user data or settings. Sanitizing would disable instrument functionality.

Data export devices

There are no media or export devices that require declassification or security procedures with this product.

Clear or sanitize a non-functional instrument

There are no procedures to clear or sanitize a non-functioning instrument. Please return your instrument to Tektronix repair.

Charges

Replacement of any missing hardware will be charged according to the rate at the time of replacement.

