TPI4000 Series
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 TP14000 Products.

These products have data storage (memory) devices and data output devices (USB ports). 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 products are covered by this document:

- TPI4202 Series
- TPI4208 Series

Terms

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.
- **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.
- **Power off.** Some instruments have a “Standby” mode, in which power is still supplied to the instrument. For the purpose of clearing data, putting the instrument in Standby mode does not qualify as powering off. For these products, you will need to either press a rear-panel OFF switch or remove the power source from the instrument.
- **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-modifiable.** The user can write to the memory device during normal instrument operation, using the instrument interface or remote control.
- **User-modifiable.** The 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.

Clear and Sanitize Procedures

Memory Devices

The following tables list the volatile and nonvolatile memory devices.

Table 1: Volatile memory devices

Type and min. size	Function	User modifiable	Input method	Location	Process to sanitize
DRAM (DDR4000) 4 x 1 GB	Store capture data from devices for analysis	No	Not applicable	TPI4202	Turn off power

Table 2: Nonvolatile memory devices

Type and min. size	Function	User modifiable	Input method	Location	Process to sanitize
EEPROM 256k	Stores serial number and board configuration data	No	Programmed at factory, no user data	TPI4202	Not applicable
Removable hard disk drive	System hard disk drive for operating system and save user information and data	Yes	User interface	TPI42042	Standard hard disk drive wipe (See page 1, *Clearing Hard Disk Drives*.)

Clearing Hard Disk Drives

If your organization's security protocols allow the use of software to purge or sanitize hard drives, use commercial software to erase free space on the hard drive before sending the instrument out for upgrades or repair. Follow the instructions that come with the software to ensure that the erasure of sensitive data from the hard drive complies with your organization's security protocols.

Troubleshooting

How to Clear or Sanitize a Nonfunctional Instrument

If your instrument is not functioning, perform the following actions. Refer to your organization's policies regarding storage or disposal of any removed items.

Hard Disk Drive Remove the hard disk drive from the instrument before returning the instrument for repair.

CD-RW/DVD ROM Drive Remove all CDs and DVDs. If it is not possible to remove the disc, you might need to remove the disk drive.

External Memory Devices Remove any attached USB flash drives from the instrument before returning the instrument for repair.