

GE Device Management Release Notes

July 2020



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Document Updates

Revision	Location	Description
A	DMSS V02.01.00C	Released Device Management Software Suite (DMSS) V02.01.00C
New document June 2015	Entire Document	Initial release

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Notes

1 *Device Management Overview*

To support a broad set of field devices and Device Management/Asset Management applications, GE has developed a set of FDT™-Group-certified device type managers (DTMs) that provide HART®, PROFIBUS®, and FOUNDATION Fieldbus™ for Mark* VIE over Ethernet capability. The DTMs allow you to manage HART, PROFIBUS DPV1, and FOUNDATION Fieldbus devices from any FDT Frame Application from any computer.

The DTM provides a unified structure for accessing device parameters, configuring and operating the devices, and diagnosing problems. DTMs can range from a simple Graphical User Interface for setting device parameters to a highly sophisticated application capable of performing complex real-time calculations for diagnosis and maintenance purposes.

DTMs are classified into two categories: Device and Communication. Device DTMs are provided by the device manufacturers and represent the whole logic and parameters of a device. The DTM standardizes the interface and can be used in any FDT Frame Application.

Communication DTMs represent communication components such as computer communication cards, couplers, gateways, remote I/Os, and linking devices. They provide over-ethernet interface to the HART, PROFIBUS, and FOUNDATION Fieldbus devices:

- Support FDT Standard 1.2
- Adhere to the FDT Style Guide
- Provide graphical overview of DTM functions

DTMs are installed in the library of GE Device Manager Essentials, or other FDT Frame Applications, similar to a printer driver in an office environment. The DTMs are licensed products and each DTM requires a license key.

GE has also developed the Device Manager Essentials (DME) FDT Frame Application that provides essential functionality for diagnostics and maintenance of intelligent field devices. The GE Device Manager Essentials FDT Frame Application:

- Meets the FDT2 standard
- Allows the user to scan and upload the Mark VIE topology of devices
- Provides parameterization of devices
- Provides diagnostics for devices and retrieval of status messages
- Provides online and offline display of device data
- Provides a network tree view
- Supports all current fieldbus protocols through communication DTMs
- Provides user accounts with password protection
- Provides online help
- Provides language settings
- For Device Management V01.02.00C and older, the supported Windows Operating Systems are:
 - 32-bit Windows XP Professional
 - Windows 7
- For Device Management V02.01.00C, the Supported Windows Operating Systems are:
 - 64-bit Windows® 7

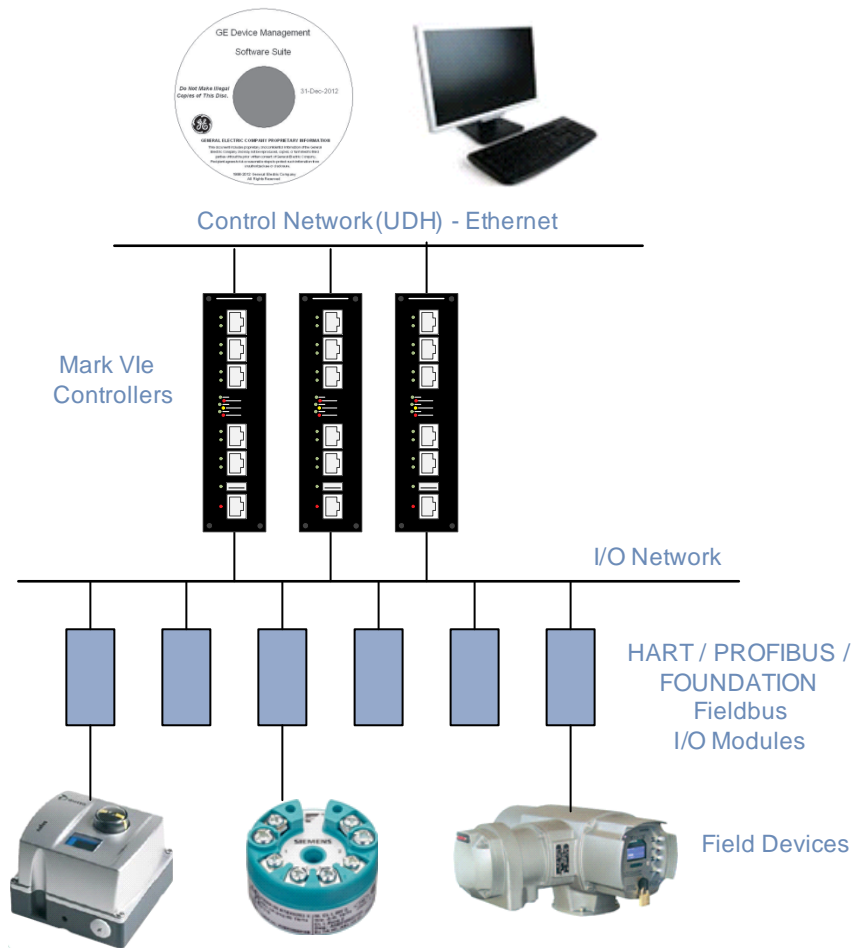
- Windows 10
- Windows 2012R2
- Windows Server 2016

Field Device Tool (FDT) technology standardizes the communication and configuration interface between field devices and host systems. It provides a common environment for accessing the devices' most sophisticated features. Devices can be configured, operated, and maintained through the standardized user interface regardless of supplier, type, or communication protocol.

FDT Frame Application provides the following for device type managers (DTMs):

- Common Environment
- User Management
- DTM Management
- Data Management
- Network Configuration
- Navigation

Maintenance Workstation With Device Manager Essentials



2 DMSS V02.01 Release Notes

Release of Device Management Software Suite including:

- Device Manager Essentials V01.05.00C no change
- HART Over Ethernet DTMs V02.01.00C update
- PROFIBUS Over Ethernet DTMs V02.01.00C update
- FOUNDATION Fieldbus Over Ethernet DTMs V02.01.00C update

2.1 V02.01 Known Issues

Device Manager Essentials

- Menu Item: Selecting **Help > Contact GE** displays a broken link. To report issues with this tool, use the ToolboxST menu **Help > Send Problem Report**. If you do not have ToolboxST installed, contact Customer Care (GOC.customercare@ge.com) to report the issue.

2.2 V02.01.00C (July 2020)

2.2.1 V02.01.00C Changes

2.2.1.1 HART Over Ethernet DTMs V02.01.00C

Reference	Release Note
52191	NEW! Support for LicenseST added

2.2.1.2 PROFIBUS Over Ethernet DTMs V02.01.00C

Reference	Release Note
52191	NEW! Support for LicenseST added

2.2.1.3 FOUNDATION Fieldbus Over Ethernet DTMs V02.01.00C

Reference	Release Note
52191	NEW! Support for LicenseST added

2.2.2 Documentation

The *Device Manager User Guide* (GEH-6821) has been updated.

2.2.3 Download and Installation

This release is available at Customer Care (GOC.customercare@ge.com).

3 PDM V01.02C Release Notes (June 2015)

Release of Device Manager including:

- Device Manager Essentials V01.05C update
- HART Over Ethernet DTMs V01.00.15C no change
- PROFIBUS Over Ethernet DTMs V01.00.07C no change
- FOUNDATION Fieldbus Over Ethernet DTMs V01.00.00C no change

3.1 DME V01.05C Update (June 2015)

In DME V1.3, an *Unhandled Exception* may occur when the *DTM Limit* is exceeded. This issue has been resolved, thoroughly tested, and the fix is available in this release.

3.1.1 Release Details

3.1.1.1 Background

DME has built in memory management and is watching the number of running DTMs. Therefore, the configuration file has an entry with a running DTM limit that is set to 20. When this limit is reached, DME tries to shut down unused DTMs.

This was a prudent limit when it was established and 32-bit operating systems such as Windows NT and Windows 2000 were in common use.

3.1.1.2 Resolution

The firmware was revised to handle this exception.

3.1.2 Compatibility

This fix is compatible with all previous Device Management releases.

3.1.3 Documentation

The *Device Manager user Guide* (GEH-6821) has been updated.

3.1.4 Download and Installation

This release is available at Customer Care (GOC.customercare@ge.com).

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4 PDM V01.01C Release Notes (April 2013)

Release of Device Manager including:

- Device Manager Essentials V01.03C no change
- HART Over Ethernet DTMs V01.00.15C update (documentation change only)
- PROFIBUS Over Ethernet DTMs V01.00.07C update (documentation change only)
- FOUNDATION Fieldbus Over Ethernet DTMs V01.00.00C initial release

4.1 Release Details

This is a documentation change only.

4.1.1 Compatibility

This release is compatible with all previous Device Management releases.

4.1.2 Documentation

The *Device Manager user Guide* (GEH-6821) has been updated.

4.1.3 Download and Installation

This release is available at Customer Care (GOC.customercare@ge.com).

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5 ***PDM V01.00C Release Notes***

Initial release of Device Management including:

- Device Manager Essentials V01.03C
- HART Over Ethernet DTMs V01.00.14C
- PROFIBUS Over Ethernet DTMs V01.00.06C

5.1 ***Release Details***

Initial release of Device Management

5.1.1 ***Documentation***

Refer to the *Device Manager user Guide* (GEH-6821).

5.1.2 ***Download and Installation***

This release is available at Customer Care (GOC.customercare@ge.com).

Notes



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