



MAXIMIZING CERTIFICATION SUCCESS WITH THE DLMS UA TEST TOOL

A Comprehensive Guide for Members

The DLMS UA Test Tool (DLMS TT) is the official test tool for DLMS User Association members developing and certifying DLMS-enabled devices. Developed to streamline the certification process, the DLMS TT supports self-certification for compliance, providing a simple and efficient path to DLMS certification. It allows users to conduct pre-certification tests on-site. By integrating the Colored Books, GCP libraries, and support for officially recognized golden communication devices, the DLMS TT offers comprehensive testing capabilities aligned with DLMS/COSEM standards. This tool benefits R&D departments and Test and Qualification Teams across manufacturers and utilities, enhancing the development, testing, and certification of DLMS-enabled products. Investing in the DLMS TT increases the probability of successful certification while reducing risks and costs associated with device testing, making it an essential asset for any organization involved in DLMS device development and certification.

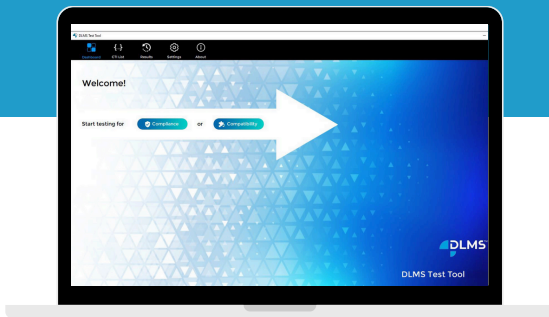
The DLMS TT serves multiple purposes across these diverse user groups:

DEVELOPMENT & TESTING

The tool helps users during the development phase by verifying and debugging DLMS implementations

CERTIFICATION SUPPORT

While certification for compatibility must be conducted at an accredited test lab, the DLMS TT provides a pre-certification testing environment that significantly increases the chances of passing official compatibility tests.



TARGET USERS

Available exclusively to DLMS UA members in good standing, the DLMS TT is designed for a wide range of stakeholders:

UTILITIES

Organizations deploying DLMS-compliant devices that require testing for operational readiness

DEVICE MANUFACTURERS

Companies developing DLMS-compliant devices that need a reliable tool for development and testing

R&D DEPARTMENTS

Engineers and developers involved in developing and implementing DLMS-enabled devices

VALIDATION & QUALIFICATION TEAMS

Teams responsible for product development and responsible for ensuring qualification and certification to DLMS standards

DLMS ACCREDITED TEST LABORATORIES

These labs use a special version of the DLMS TT, based on the same platform, to certify products for compliance and compatibility. Since the golden environment remains consistent, test results obtained at an Accredited Test Labs will match those from end users premises

Key Benefits



OFFICIALLY RECOGNIZED TOOL

The DLMS TT is the only officially recognized test tool by the DLMS UA. Developed within the UA, with the support of its members, it is the tool of reference to which all DLMS certified devices are tested, ensuring full interoperability and compatibility.



MODULAR AND CUSTOMIZABLE

The tool's modular design allows users to add test libraries, such as the ACESM GCP Test Library. This modular approach provides flexibility to accommodate various testing scenarios needs and does not require additional software to be installed.



TIME AND COST SAVINGS

Although ROI is challenging to measure, using the DLMS TT offers significant time and cost savings by reducing the likelihood of failed certification attempts, troubleshooting efforts, and additional costs associated with going through multiple rounds of Accredited Test Laboratories testing.

Compliance & Compatibility Certification

The DLMS TT plays a crucial role in the compliance and compatibility certification process:

- **Self-Certification Capabilities:** The tool enables users to conduct self-certification tests. It generates a secure, trusted test report that can be submitted to the DLMS Online Qualification Portal, streamlining the certification process.
- **Pre-Certification Advantage:** While the DLMS TT cannot be used directly for compatibility certification, it provides a solid reference measure, which enhances the likelihood of passing ATL tests.
- **Golden Communication Devices:** The tool supports industry-certified, and DLMS approved, Golden Communication Devices, allowing to test the DLMS-enabled devices in their native telecommunication technologies. These Telecommunication Golden Devices, combined with the DLMS TT, offer users the possibility of setting up Golden Environments which are almost identical to the trusted and validated testing environment of the Accredited Test Labs.

Practical Considerations

SYSTEM REQUIREMENTS

- Operating System: Windows 10 (64-bit) or later
- Hardware: Dual-core CPU (or better), 4GB RAM (8GB recommended for multitasking), and SSD storage for optimal performance

INSTALLATION

- Installation of the DLMS Test Tool is quick and straightforward, typically taking less than 10 minutes.
- The DLMS TT comes by default with 3 floating licenses, allowing 3 users to work simultaneously, and multiple users to have the tool installed on their computers.

USAGE

- The time required to start using the tool for a compliance test depends largely on the user's familiarity with the DLMS protocol, device settings, and the CTI Editor.

- The CTI Editor is based on the widely known JSON format, with syntax highlighting and error-checking features to assist users in configuring the tool.

HOW TO PURCHASE

- The DLMS TT can be purchased directly from the DLMS UA website. Interested members can request a quotation at www.dlms.com/compliance-test-tools.

TECHNICAL SUPPORT

- Comprehensive support is available for all users of the DLMS TT. A support email address is provided within the tool itself for troubleshooting and assistance.

For further information, including technical inquiries or to request support, users can visit the DLMS UA Contact Page: www.dlms.com/contact-dlms