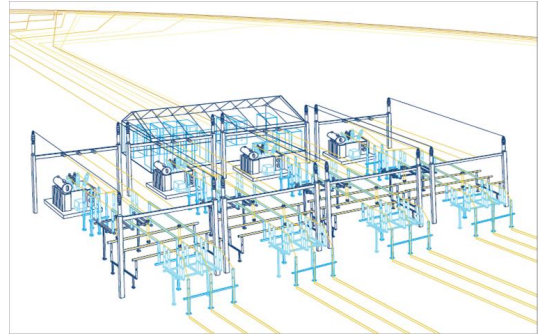


Integrated Testing Tool ITT600 SA Explorer Ver. 2.0

Release note

Dear Reader,

A new version (2.0) of Integrated Testing Tool ITT600 SA Explorer has been released. The tool provides extensive functionality for testing, commissioning and maintenance of IEC 61850 based substation automation systems.



New features and benefits of Ver. 2.0 versus Ver. 1.8

- Support for IEC 61850 Ed.2
- Simulation of an IED for IEC 61850-8-1 based communication services (MMS and GOOSE)
- Comparison of network equipment device configuration parameters is included in the “Quick Checker”
- Support for larger SCL files since ITT600 SA Explorer is running as native 64 bit process
- Support for Windows 8 (32 Bit / 64 Bit)

Improvements in ITT600 SA Explorer 2.0

- Startup page for easy access of recently used files and IEDs
- Unified options dialog for all ITT600 configuration options
- Function to directly open the device web interface in a web browser
- MMS file transfer folder is always shown
- Select Before Operate command dialog shows Local/Remote and Interlocking status
- Functional naming and description included in Explore GOOSE module
- Direct access to GOOSE Packet details in Explore GOOSE module
- Performance in Explore Models module improved
- Support for IEC 61850-LE metering profile in Explore SV module
- Detailed quality info is shown in Explore SV module
- Performance in Explorer SV module improved
- General usability improvements

ABB AB

Substation Automation Products
SE-721 59 Västerås, Sweden
Tel +46 21 35 20 00
Fax +46 21 14 69 18
www.abb.com/substationautomation

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Technical requirements and supported products

ITT600 SA Explorer is a generic tool for testing, commissioning and maintenance of IEC 61850 based SA systems. Thus, it can be used together with any IEC 61850 compliant IED. However, it can not be ensured that the full functionality of the tool can be supported for all such IEDs.

The tool fully supports the following products from ABB:

- Relion® Protection and Control product family IEDs
- Distributed Busbar Protection REB500
- REF543/545 (connected with SPA-ZC402)
- REF542+
- RTU560

Further, ITT600 SA Explorer has been tested and not proven to be non-functional with a number of well known 3rd party IEDs.

Technical requirements on computer environment

The minimum hardware requirements are:

- 500 MB of free hard disk space
- Dual-core processor
- 2 GB RAM

The recommended hardware requirements for medium to big projects are:

- 1000 MB of free hard disk space
- 64 bit operating system
- Quad-core processor
- 6 GB RAM

The following operating systems are supported:

- Windows 7 (32 Bit / 64 Bit)
- Windows 2008 Server (32 Bit / 64 Bit)
- Windows 8 (32 Bit / 64 Bit)

Limitations

- Windows XP is no longer supported
- IED simulation is based on the same generic application logic for ABB and 3rd party IEDs contained in a SCD file. Testing with a simulated IED does not replace the functional testing with the real device. The following limitation with respect to IED simulation are known:
 - IEDs containing a ServerAt SCL element can not be simulated
 - Simulated IEDs do not support dynamic DataSets, even if the real IED would do so
 - Editing of Setting Group parameters is not supported
- In general MMS array data types are not supported and will be ignored

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Documentation

Following documentation is available on the ITT600 installation CD:

- ITT600 Installation guide
- ITT600 User manual
- ITT600 Release note

Ordering and delivery information

The ITT600 can be ordered from Substation Automation Products, Västerås, Sweden.

The delivery will include a transparent case with the software, user manual and installation guide on CD and the USB hardware license key.

The ITT600 SA Explorer can be ordered using the following order numbers:

Variant	Ordering Number
ITT600 SA Explorer Ver. 2.0 Single license	ITT600-20
ITT600 SA Explorer Ver. 2.0 Package license of 10 single licenses	ITT600-20-M10
Upgrade License from ITT600 SA Explorer Version 1.8	ITT600-20-UG

Installation

The installation of ITT600 SA Explorer Ver. 2.0 replaces earlier Ver. 1.8 installations. For details about installation please follow the "ITT600 SA Explorer Installation guide".

ITT600 Ver. 2.0 requires a USB hardware license key to function during start-up and runtime of the tool.

Life cycle statement

ITT600 SA Explorer Ver. 2.0 replaces all earlier versions of the tool. The replaced versions will be moved to obsolete phase in the software life cycle policy. Existing licence keys for earlier versions are not valid for ITT600 SA Explorer Ver. 2.0.

Statement on IEC 61850 Ed.2 support

This version of ITT600 is prepared for the application of IEC 61850 Ed.2. However, it has not yet been tested by an independent UCA certified IEC 61850 conformance test laboratory, due to the fact that these tests are not in place at release date of this version.

Yours faithfully,

Michael Obrist,
Product Manager, Integrated Testing Tool ITT600 SA Explorer
Substation Automation Products

ABB AB

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