System Data Manager SDM600 1.2
Product webinar

4CAE000354
Introduction

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Agenda
System Data Manager SDM600

SDM600 in a nutshell
What’s new in SDM600 1.2
Online Demo
Q&A session
System Data Manager SDM600
See the unseen from a new perspective

SDM600 in a nutshell

A comprehensive software solution for automatic management of service and cyber security relevant data across your substations
System Data Manager SDM600

Product overview

Data Management
- Disturbance Recorder Data Management
- Disturbance Recorder Data Evaluation

Automatically collect, store and provide evaluation for disturbance recorder files.

Cyber Security Management
- Central User Account Management
- Central Cyber Security Logging

Provide centralized User Account Management and security logging.

Service and Maintenance
- Tracking Software and Configuration Versions
- RTU500 Configuration and Firmware File management.

Retrieve and manage Service and Maintenance relevant data.
System Data Manager SDM600

Management of disturbance recorder data

Independent and automatic

- Automatic upload of disturbance recorder (DR) files from IEDs
- Supported protocols: IEC 61850-8 (MMS), FTP, ABB RTU500 and Windows File System access to integrate legacy protocols
- Polling the IEDs for new files
- No IEC 61850 engineering required
- No Interaction with an existing SAS system
- Seamless integration into existing substation automation system
- Visualization of DR Data
  - PDF based short report for fast evaluation
  - Integrated analysis tool ABB Wavewin
Cyber Security is a process

Assess
Carry out a cyber security assessment to understand your systems, processes and procedures.

ABB offers cyber security assessments within its cyber security care services.

Implement
Implement recommended actions to increase the security of your systems.

Upon agreement ABB can implements the recommendations to your system.

Sustain
Regularly assess and monitor your systems

By appointing ABB as your cyber security partner, you benefit from ABB’s huge domain expertise across the globe.
**System Data Manager SDM600**

Central user account management

**Manage your users**

- System wide user management using central authentication server
- Role based access control (RBAC) according IEC 62351-8
- Enforce password policies
- For Relion 670/650 2.1, Windows PCs, MicroSCADA Pro and any RADIUS capable device.
- In accordance with NERC CIP and BDEW whitepaper requirements
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System wide cyber security event logging

Monitor your system

- Receive and store user activities and other security events from IEDs or system level components
- Integration of any device using Syslog protocol (UDP and TCP)
- Integration of Windows computers (converting Windows Event Logs)
- Categorization of unknown events based on rules
- Built in visualization and reporting
- Integrate SDM600 into an existing event logging system
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Track service relevant data

**Collect and track service data**

- Reading service relevant data from supervised devices
- Tracking configuration versions from IEC 61850 IEDs, Windows PCs, RTU500 and SNMP devices
- Visualization of changes in the dashboard and dedicated event list
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Installation variants within a station

- Side by side with MicroSCADA Pro
- Standalone
- SDM600 Hot-Standby
- SDM600 in a RTU560 (560HMR01)*1

No interaction with operational SAS required
Communication access to devices (up to 500 devices)

*1) Specific system size limitations apply when using 560HMR01 (max. 150 IEDs)
Hierarchical installation

Up to 50 hierarchical systems

- Consolidate data from several SDM600 installations at a central point
- Clear overview
- Central data and user management
- Independent from existing automation system
- Secure communication
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Application areas

Optimal product functionalities

SDM600 provides versatile functionality for a wide range of customers, including:

- Municipal Utilities
- Transmission and distribution management
- Substation Automation
- Industrial plants
Agenda
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New features

Data Management

- Opening multiple files in WaveWin
- DR File retrieval from RTU500
- DR File export according IEEE C37.232-2011 (COMNAME)

Cyber Security Management

- NERC CIP Rating for each device
- CAM for Windows allows user profile templates (per Role)
- CAM on all Network Interface Cards
- Improved CAL mapping rules handling

Service and Maintenance

- Version information from SNMP devices (SNMP V1, V2, V3)
- Configuration and firmware file management for RTU500
- Launching of native or web based configuration tool for devices
- Dedicated event list for configuration changes

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1) RTU500 Rel 12 or newer required
2) CAM = Central User Account Management
3) CAL = Central Activity Logging
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New features

**System Size**

- Improved scalability
  - 500 IEDs per SDM600
  - 50 Child SDM600

**User Interface**

- Superior overview in the SDM600 Dashboard
- Time-window handling improved
- All Grids can be exported to Excel and include structure info e.g. the full path to the device

**Various**

- Indication when DB size is about to exceed SQL express limits
- Additional email notification options for certificate expiry and statistics
- Import SDM600 configuration from .csv file
- German UI (depending on User Settings)
Agenda
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System Data Manager SDM600 1.2

User interface

- When did it happen
- Where did it happen
- DR Event representation
- Correlations
- User activity and configuration changes
- When did it happen
Agenda

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Presentation, recording and Q&As will be shared with you after the webinar.
## System Data Manager SDM600 1.2

### Key benefits

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<th>Multi vendor solution</th>
<th>1. Based on open standards (such as IEC 61850, IEC 62351, Radius)</th>
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<tr>
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<td>– Any compliant device can be connected</td>
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<td>Higher efficiency</td>
<td>2. Optimized management for DR File Management and Cyber Security</td>
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<td>– Automatic data collection and time alignment</td>
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<td>Better Overview</td>
<td>3. Monitoring and tracking of version information</td>
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<td>– IEC 61850, SNMP, Windows PCs,…</td>
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<td>Scalable</td>
<td>4. Scalable solution for single substations to hierarchical system</td>
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<td>– Remotely accessible and flexible license possibility</td>
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See the unseen from a new perspective
Thank you

Get more information

All you need to know about SDM600
- Documentation
  - SDM600
- Grid Automation Products and Systems
  - Portal

In case of questions, please contact us!
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