



SMS 510 1.3.0-2

Release Note

Introduction

This document describes the new features of the Substation Monitoring System SMS 510 version 1.3.0 Service Pack 2 and corrections made to the system.

Delivery

The SMS 510 1.3.0-2 delivery includes the following improvements and changes:

- Support for REM 543/545 Rel. 2.5 machine terminals, patch release, SW build 4.00
- Support for RET 541/543/545 Rel. 3.0 transformer terminals, patch release, SW build 4.38
- Improvements and corrections according to customer feedback

Software Requirements

Supported operating systems:

- Microsoft Windows NT 4.0 Workstation
- Microsoft Windows 2000
- Microsoft Windows XP Professional

Supported Devices

The SMS 510 1.3.0-2 supports the whole range of ABB protection and control terminals:

- SPACOM product family including SACO annunciators
- Multi-purpose protection relay series REJ/REU 5xx
- Basic range protection relays REM/REF/REU 610
- Medium voltage protection and control terminals REF/RET 541/543/545, REM 543/545, REC 523 and REX 521
- High-voltage line protection and control terminals REx 5xx
- High-voltage transformer protection and control terminal RET 521
- Protection and control terminals RE_216/316
- Busbar protection terminal REB 500

CD Contents

Program files

The SMS 510 Program CD contains the following files:

File name	Description
SMS510_130_SP2.EXE	Installation application for SMS 510.
README.TXT	Instructions for starting the SMS 510 installation application

The installation application file 'SMS510_130_SP2.EXE' is located in the root directory of the Program CD.

The product documentation includes the following documents:

Document	Document code	File name
SMS 510 Release Note (this document)	1MRS756595	SMS510_1.3.0-2RNEN.PDF

When you install SMS 510 1.3.0 for the first time, the product documentation will also be installed on the hard disk. The Release Note can be found in the root directory of the Program CD. The documentation is available only in electronic format.

Ordering SMS 510

For information on ordering the Substation Monitoring System SMS 510, refer to the chapter *Introduction* of the SMS 510 *Installation and Commissioning Manual*.

- The ordering number for SMS 510 1.3.0 (including Service Pack 2) is 1MRS151015.
- The ordering number for the SMS 510 1.3.0 Service Pack 2 CD (without the main release) is 1MRS151034.
- The Service Pack 2 can also be downloaded at www.abb.com/substationautomation.

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SMS 510 accessories

The communication cables, listed in the chapter *Introduction* of the SMS 510 *Installation and Commissioning Manual*, are accessories and have to be ordered separately.

Requirements

An SMS 510 1.3.0 installation is required as a base for the Service Pack.

Other SMS 510 1.3.0 requirements can be found in the SMS 510 *Installation and Commissioning Manual*.

Installation

Installation notes

The installation procedure for the SMS 510 software is described in the SMS 510 *Installation and Commissioning Manual*.

Installation of SMS 510 1.3.0-2

The SMS 510 1.3.0-2 can only be installed on SMS 510 1.3.0 or SMS 510 1.3.0-1. In general, the Service Packs are cumulative, so you only need to install the latest Service Pack.

To install the program package, run the installation program (SMS510_130_SP2.EXE) for the package and follow the instructions given by the installation program.

SMS 510 can also be installed on top of any previous SMS 510 installation. In this case all projects including the relay configurations remain unchanged.

Changes from previous version

Compared to the previous SMS 510 1.3.0 main release, the SMS 510 1.3.0 Service Pack 2 includes the following improvements and corrections:

Service Pack 1

Support added for the following relays

- REM/REF/REU 610, revision C

Changes made to the RED Relay Setting Tool

- If the parameter value storage file could not be written in the Relay Setting Tool at the exit, the incident was ignored. Now the failure is indicated, and exit from the tool is cancelled.

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- The export of the setting values to the network locations has been improved. Previously the export of the modified setting values always ended in an access error.
- Setting of REM 54x release 2.5 terminals in the Relay Setting Tool could not be made using primary values, even though the transducer settings were in use. This has now been corrected.
- The signal descriptions for the "Int. trig. sign." mask of the REJ 511/521 relay types were in the wrong order. The position of the two middle texts "Trig by to> trip" and "Trig by lo>> start" was reversed.

Correction made to the DR-Collector Tool

- If the scheduled disturbance recording uploading from an IED failed due to a communication error, a SCIL error dialog was produced and the whole scheduled task was stopped. This has now been corrected.

Corrections made to SPACOM modules

- An error causing logical mistakes in the handling of the switch-group checksum for SPCU 3C14 and SPCU 1C6 modules has been corrected.
- An attempt to print the settings of a SACO 16A3 or SPAM 051C from the SPACOM Relay Setting Tool produced a SCIL error dialog. This has now been corrected.

Service Pack 2

Support added for the following terminals

- REM 543/545 Rel. 2.5 machine terminals, patch release, SW build 4.00
- RET 541/543/545 Rel 3.0 transformer terminals, patch release, SW build 4.38

Changes made to the Communication Manager

- Encoding of the "tilde" character with SPA communication has been corrected.
- Internal error handling has been improved to ignore occasional "REPF_DC_OBJECT_DOES_NOT_EXIST" errors after a cancelled communication.

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Changes made to the SMS Conversion Tool

- "SCIL_UNDEFINED_VARIABLE" error, which occurred shortly after starting the project conversion, has now been corrected.
- Check for the validity of the project names has been added.

Correction made to the Remote Connections

- Unintended limitation of 77 concurrent remote connection definitions has been removed.

Correction made to the System Self-Supervision

- Some relays were missing from the System Self-supervision view, when a project with a large amount of relays was opened. This has now been corrected.

Corrections made to RED Relay Setting Tool and RED 500 object types

- "Diff6G" event masks were not editable with REM 543/545 rel. 1.5 and 2.0. This has now been corrected.
- Support for bit-wise setting of the event masks was missing from the REF 543 rel. 3.0 terminal. This has now been corrected.

Changes made to SPACOM modules

- Support for REC 501 with IEC 60870-5-101 has been added.
- Support for SPCN 1D56 module versions 119 D and 200 A has been added.
- Parameterization problems in SPCT 5D54, SPCJ 4D34 and SPTO 6D3 modules have been corrected.

Correction made to the SPACOM Relay Setting Tool

- Cutting of long text labels in the Input Dialog has been corrected.

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Correction made to the SPTO Configuration Tool

- Communication was not properly released after the SPTO Configuration Tool had been used. This has now been corrected.

Yours faithfully

Leif Williamsson
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