

# MicroSCADA Pro SYS 600 9.3 FP2 Hotfix 4 Release Note

## Products

MicroSCADA Pro SYS 600 9.3 FP2

## Description

The Hotfix includes modifications to the IEC 61850 communication that have been made in order to be granted the Level A conformance certificate from KEMA. The modifications are the following:

### 1. IEC 61850 Certificate Level A

SYS 600 9.3 IEC 61850 Client (IEC 61850 OPC Server v1.6) has been conformance tested and is certified with an UCA IEC 61850 Certificate Level A issued by KEMA. The client system has not shown to be non-conforming to: IEC 61850-6, 7-1, 7-2, 7-3, 7-4 and 8-1 Communication networks and systems in substations.

### 2. Dynamic dataset handling improvements

Dynamically created datasets are now checked and need to match in configuration and IED. In case of mismatch the dataset is deleted from IED and recreated.

### 3. Command termination indication added

An indication of command termination message from IED is now available for all control data objects using enhanced security control model. Indication for success or failure response can be seen from new cmdTermination OPC item in every data object.

### 4. SNTP client using SNTP v4

The SNTP client now uses SNTP v4 to request time synchronization.

### 5. Disturbance recording download improved

The automatic disturbance recording download now supports files with whitespace in file name.

### 6. Functionality monitoring status changes

More statuses are available for observing object status of device connection (IED.Object status) and reporting initialization (IED.LD.LN.RCB.Object status). Some object status codes have also new meanings and one is removed.

## Dependencies

This Hotfix should only be used with SYS 600 9.3 FP2.

This hotfix also includes fixes related to IEC 61850 communication released in SYS 600 9.3 FP2 Hotfix 2.

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## Recommendation

The Hotfix does not include any critical fixes and can be installed if any of the modifications are specifically needed.

If status codes for IEC 61850 device connection (IED.Object status) and reporting initialization (IED.LD.LN.RCB.Object status) have been mapped to the SYS 600 application it should be checked that the codes still have the same meaning (See item 6.)

## Installation

### To install the Hotfix:

1. Stop the SYS 600 system
  2. Run the installation program SYS600\_93\_2\_HF4.exe
- Note! In Windows Server 2003 the installation must be started by using the Windows Add or Remove Programs utility.

The Hotfix will install the following new files or file versions:

```
\sc\prog\61850_OPC_Server\IEC61850 OPC Server\bin\SOSrvad.DLL
\sc\prog\61850_OPC_Server\IEC61850 OPC Server\bin\SOCmnad.DLL
\sc\prog\61850_OPC_Server\IEC61850 OPC Server\bin\SOAsSad.DLL
\sc\prog\61850_OPC_Server\IEC61850 OPC Server\bin\opcs_iec61850.exe
\MSVCR121\vc redistrib_x86.exe
\MSVCR101\vc redistrib_x86.exe
```

### To uninstall the Hotfix:

1. Stop the SYS 600 system
2. Run the installation program SYS600\_93\_2\_HF4.exe /r
3. Re-install the main product SYS 600 9.3 FP2.