

# Readme for GOOSE Inspector versions

## Version 1.4.1.0 from 15.11.2012

### English Version

It is recommended to use the latest version of v 1.3.0.0.  
Please uninstall all older versions before installation and use of a new version.

Hardware requirements:  
1 USB port (v1.0 to v2.0)  
400MB disk space  
500MB RAM  
1 network interface (Ethernet LAN, TCP/IP)

v 1.3.0.0 can be installed under the following supported OS:

- Windows XP including SP3
- Windows Vista Business (32 Bit)
- Windows 7 Ultimate (32/64 Bit)

### GOOSE Inspector version 1.4.1.0 (released 15.11.2012)

This version replaces the version 1.3.4.0 and all older versions.

#### Enhanced functions of version 1.4.1.0

- Support of important functions of Edition 2.0
  - o In case of more than one subnet the subnet can be selected during loading of SCD file.
  - o New datatypes INT64 and UINT64 are supported now.
  - o Functional naming via the attribute IdName is supported now.
  - o Long naming is supported now.
  - o Fixed length GOOSE is supported now.
- The private attributes in SCD files from DIGSI 4.86 can be used for SAM now.
- New logic for much faster SCD file loading.
- It is no longer possible to have more than one version of GOOSE Inspector on a PC which prevents mixed installation.
- It is possible to open FAST files.

#### Bug fixes of version 1.4.1.0

- Inputs with empty DataAttribute are possible now.
- Empty DOI are possible now.
- Better handling for program windows.

### GOOSE Inspector version 1.3.4.0 (released 04.07.2011)

This version replaces the version 1.3.3.0 and all older versions.

#### Enhanced functions of version 1.3.4.0

- None

#### Bug fixes of version 1.3.4.0

- Bugfix at display of GOOSE targets.

### GOOSE Inspector version 1.3.3.0 (released 17.06.2011)

This version replaces the version 1.3.2.0 and all older versions.

#### Enhanced functions of version 1.3.3.0

- None

#### Bug fixes of version 1.3.3.0

- Bugfix at assignation of GOOSE to applications.

### GOOSE Inspector version 1.3.2.0 (released 08.06.2011)

This version replaces the version 1.3.1.0 and all older versions.

#### Enhanced functions of version 1.3.2.0

- CID files can be opened now.

#### Bug fixes of version 1.3.2.0

- Correct use of DO.SDO within FCDAs.
- ICDs with GOOSE without Dataset can be opened now.
- Missing data of GOOSE with FCD fixed.
- Bug fix for data type matching between SCD and recorded data.
- IED Viewer does no longer change setup of shown elements.
- Handling error of SAM window fixed.
- Targets of Siemens device will be detected completely now.

### **GOOSE Inspector version 1.3.1.0 (released 13.01.2011)**

This version replaces the version 1.3.0.0 and all older versions.

#### **Enhanced functions of version 1.3.1.0**

- The csv file export of GOOSE Monitor and Siemens Application Monitor meets now Microsoft Office guideline.
- Approval of Windows Vista Business (32 Bit).
- Approval of Windows 7 Ultimate (32/64 Bit).

#### **Bug fixes of version 1.3.1.0**

- The sorting within the Siemens Application Monitor will be reset by selecting another GOOSE.
- Unnecessary double elements within Siemens Application Monitor (Source - Target) removed.
- The tool tip for the tree within SAM shows again more details.

### **GOOSE Inspector version 1.3.0.0 (released 01.12.2010)**

This version replaces the version 1.2.0.1 and all older versions.

#### **Enhanced functions of version 1.3.0.0**

- The Siemens Application Monitor can only be opened if at least one Siemens device is included in the configuration file.
- GOOSE without Siemens application are now placed into generated applications with a matching AppID (Application ID). The generated applications are named: "AppID as decimal number" (generated)
- The icon "GOOSE without application" does not exist any longer.
- SIPROTEC® is now identified via configuration file.
- Only GOOSE from SIPROTEC® are detected as faulty if a corresponding Siemens application is missing.
- Only intAddr from SIPROTEC® are checked and used to determine the signal targets.
- Speed optimization of the Siemens Application Monitor.
- The signal lists elements are now sorted by name before export.
- The signal list elements are now separated by double quote.

#### **Bug fixes of version 1.3.0.0**

- Wrong T0/T1 times in the SAM after loading a lg6 file.
- TCP/IP packets with size 0 (not part of standard) are not recorded any longer.
- The list of undefined GOOSE is now cleared with "Reset Counter".

### **GOOSE Inspector version 1.2.0.1 (released 22.11.2010)**

This version replaces the version 1.2.0.0 and all older versions.

#### **Enhanced functions of version 1.2.0.1**

- No one

#### **Bug fixes of version 1.2.0.1**

- Wrong position of the program icon in the start menu of non German operating systems.
- The automatic link between the program and scd and icd files has been removed in the setup program.

### **GOOSE Inspector version 1.2.0.0 (released 01.07.2010)**

This version replaces the version 1.1.0.0 and all older versions.

#### **Enhanced functions of version 1.2.0.0**

- Output line is now bold in File View
- UTF-8 Support for SCD-Files
- Better readable Font
- Not yet officially released function: Program works with all versions of Microsoft Windows XP, Vista and 7 with 32 bit and 64 bit.

#### **Bug fixes of version 1.2.0.0**

- Bugfix in double message (SNMP)

### **GOOSE Inspector version 1.1.0.0 (released 01.03.2010)**

This version replaces the version 1.0.1.1 and all older versions.

#### **Enhanced functions of version 1.1.0.0**

- SNMP-Agent integrated. See manual and W6Gi.mib for more information.
- SNTP Client functionality integrated. Time is synchronized once while going online and every 10 minutes afterwards.
- Error-Log and Event-Log for long-term records established.
- It is possible to disable GOOSE-Parameter-Checks now. This is useful for correct working Systems with unchangeable mismatch of AppID.
- Multiple GOOSE errors and warnings are displayed now.

## Readme for GOOSE Inspector versions Version 1.4.1.0 from 15.11.2012

- Display of matching between data and configuration file.
- Split of SAM and SCD Viewer.
- Network driver improvements.
- Loss of packages is displayed now.
- General improvements.

### **Bug fixes of version 1.1.0.0**

- Some small bug fixes

## **GOOSE Inspector version 1.0.1.1 (released 01.03.2010)**

This version replaces the version 1.0.1.0 and all older versions.

### **Enhanced functions of version 1.0.1.1**

- Enhancements for scd from DIGSI 4.83

### **Bug fixes of version 1.0.1.1**

- No one

## **GOOSE Inspector version 1.0.1.0 (released 04.09.2009)**

This version replaces the version 1.0.0.8 and all older versions.

### **Enhanced functions of version 1.0.1.0**

- Better installation routine for XML-library.

### **Bug fixes of version 1.0.1.0**

- Erroneous output of negative enumeration corrected.

## **GOOSE Inspector version 1.0.0.8 (released 14.07.2009)**

This version replaces the version 1.0.0.6 and all older versions.

### **Enhanced functions of version 1.0.0.8**

- No one

### **Bug fixes of version 1.0.0.8**

- Inaccurate SCD caused segfault. Fixed.
- SAM IED Menu is saved correct now.
- FCDA without DAName now works in sdo.sdo structures.

## **GOOSE Inspector version 1.0.0.6 (released 09.06.2009)**

This version replaces the version 1.0.0.4 and all older versions.

### **Enhanced functions of version 1.0.0.6**

- No one

### **Bug fixes of version 1.0.0.6**

- Useless column in SAM taken away.
- AppID 0 is shown correct now.

## **GOOSE Inspector version 1.0.0.4 (released 29.04.2009)**

This version replaces the version 1.0.0.3 and all older versions.

### **Enhanced functions of version 1.0.0.4**

- ICD with Report without DataSet can be imported now.
- UTC Time shows Clock Failure and Clock not synchronized now.

### **Bug fixes of version 1.0.0.4**

- No one

## **GOOSE Inspector version 1.0.0.3 (released 22.04.2009)**

This version replaces the version 1.0.0.0 and all older versions.

### **Enhanced functions of version 1.0.0.3**

- System default language ID is incorporated now.

### **Bug fixes of version 1.0.0.3**

- The time until missing message for a GOOSE is now correct (at least 2xTAL + 500ms).
- Bug fix at the tree view of the SAM for correct status of application and station.
- The GOOSE OK/Error field does show the right status after deleting the Log file.

## **GOOSE Inspector version 1.0.0.0 (released 07.04.2009)**

## Readme for GOOSE Inspector versions Version 1.4.1.0 from 15.11.2012

This version is the first official version of GOOSE Inspector.

### **Functions of version 1.0.0.0**

The monitor program allows you to listen to IEC 61850 substation automation protocol packets via the network.

It is connected to the network via the network interface of your PC.

The IEC 61850 packets are decoded (except GSE and SV), checked, displayed, filtered if required, saved in the Log.lg6 circular buffer file and printed if required.

Furthermore, the program monitors the GOOSE transmission via the network and displays the current status in a comprehensive overview table in the GOOSE Monitor.

The import of a configuration file (SCD/ICD) extends the volume of data displayed in the Detailed View accordingly. In addition, various views of the data structure of the IEDs, GOOSE messages, inputs and reports are available when loading a configuration file.

Operators of Siemens systems will be able to benefit from a particularly well arranged representation in the Siemens Application Monitor (hereinafter referred to as the "SAM"). To simplify operation, the SAM provides the same type of representations as conventional configuration programs. This view shows the current status of applications and GOOSE via icons highlighted in traffic-light colours.

Furthermore, the SAM allows the export of a signal list which provides a clear overview of the source and target of a connection. The user has the option of creating a signal list for the systematic checking and documentation of signals step by step.