

7SJ61...7SJ65, 6MD63

Communication module versions, Mapping file versions

DNP3.0

1 Overview

| <i>When using</i> | <i>You require</i> | | | <i>Remarks</i> |
|-----------------------------|--------------------------------------|----------------|-------------------------------------|---|
| | <i>Communication module firmware</i> | <i>DIGSI</i> | <i>7SJ6x, 6MD63 Device firmware</i> | |
| Standard mappings 1...n | DNP_Slave V1 or DNP_Slave V2 | from V4.10 | from V4.20 | For devices: 7SJ61...7SJ63, 7SJ65, 6MD63, no routing capability in DIGSI! |
| Standard mappings 3-1...3-n | from DNP_Slave V2 | from V4.21 SP3 | from V4.40 | For devices: 7SJ61...7SJ63, 7SJ64, 6MD63 |

2 Version information for DNP3.0 Slave communication module firmware

V02.00.08

November 2001

New functions:

- Transmission of min-/max-values including the real-time at which the value arose,
- Transmission of statistic values (e.g. "Accumulation of interrupted current") as DNP Object 30 Variation 1 (32 bit analog input),
- Uncolicted Mode.

V02.01.01

Februar 2002

General improvements.

V02.02.01 April 2002
General improvements.

V02.03.06 March 2003
General improvements.

V02.04.01 September 2004
General improvements.



Attention!

New hardware revision of the asynchronous communication modules for SIPROTEC devices.

The version V04 of the DNP3.0 slave communication module firmware has to be used only together with the asynchronous modules from hardware revision 4.

The DNP3.0 slave communication module firmware V03 has to be used for asynchronous communication modules up to hardware revision 3 furthermore.

You find further information about the hardware revisions of the asynchronous communication modules and the version dependencies in the "Service-Information for DIGSI4 Update and SIPROTEC4 Firmware Update".

http://siemens.siprotec.de/download_neu/devices/1_Allgemein/FW_UPDATEINFORMATION/Readme_up.pdf

V04.00.05

October 2004

New functions:

- Display of communication modul information at the device display (only with 7SJ6x, 6MD63 device firmware from V4.50),
- Reading of device information using DNP Object 0,
- Reading of device date and time with DNP Object 50 Variation 1,
- Additional Variation 4 for Object 30 and Variation 6 for Object 20,
- Additional baud rate support: 38400 and 57600 Bit/s.

V04.03.03

January 2006

General improvements.

3 Notes

- Standard mappings**
- The DNP3.0 Slave communication module firmware V2 is backward compatible for the standard mappings 1...n.
 - The new functions of the DNP3.0 Slave communication module firmware V2 are only available when utilising the standard mappings 3-1...3-n.
 - Standard mappings 2-1...2-n are not available with DNP3.0.
 - Standard mappings 3-1...3-n are not available for the device 7SJ65 (current device firmware 4.30).
 - When creating a 7SJ61...64, 6MD63 device from V4.40, only the standard mappings 3-1...3-n are by default selectable in DIGSI. The scope of function provided by the standard mappings 1...n can also be utilised with the mappings above.
 - Because standard mappings 1...n do not support the routing capabilities in DIGSI, these mappings should not be used to configure the devices with firmware version from V4.40. If you still want to configure devices with firmware from V4.40 using a standard mapping 1...n, then please contact your Siemens representative.

4 References

General Document “**How to order communication modules for SIPROTEC4 devices**”

Standard mapping specific

| <i>Title of manual</i> | <i>Standard mappings 1...n</i> | <i>Standard mappings 3-1...3-n</i> |
|---|----------------------------------|------------------------------------|
| SIPROTEC Communication module - DNP3.0 Communication database | C53000-L1840-A001-01 | C53000-L1840-A001-03 |
| SIPROTEC Communication module - DNP3.0 Bus mapping | included in C53000-L1840-A001-01 | C53000-L1840-A006-03 |

The general documents and manuals for each specific device may be found for downloading under

<http://www.siprotec.com>

→ Devices → General information → Communication → Communication protocol descriptions