GSD Profibus TeSys T Readme

Modified December 18, 2019

GSD Compatibility

The following table describes the Profibus GSD file compatibility depending on the
LTMR firmware version.

LTMR Firmware Version	Profibus GSD Compatible Version
FW 1.7 and 1.8	V01.02
FW 2.1 and above	V02.01
FW 2.7 and above	V02.02

Network Compatibility

GSD file versions V01.02 and V02.01 can all be used simultaneously in the same Profibus
network configuration software. V02.02 includes the addition of Profibus "fail-safe" mode
which allow the use of zero length "clear mode" data exchange to trigger device fallback
mode.

Updates and Troubleshooting:

LTMR firmware version number is accessible through SoMove software with TeSys DTM,
Magelis HMI, LTMCU, or through communications network reading Modbus register 76
(Profibus DPV1 acyclic read slot 2 : index 7 : word 12).

To manage incompatibility between a newer GSD file and older firmware, take one of the
following actions to solve the issue:

- use the GSD file version compatible to the firmware
- update the device firmware compatible with the GSD file version.

Configuration Details

Profibus GSD V02.01 and up supports an empty Parameter Telegram for either module selected (Remote or Local).

In Remote configuration mode, it is possible to modify the configuration through the network through a FDT- DTM configuration tool or by PLC application without overwrite by the Parameter Telegram at the next network startup.

In Local configuration mode, any configuration modification through the network is forbidden and refused.

The table below indicates the level of compatibility between the Profibus GSD file V01.02 and LTMR firmware versions V1.7 and V1.8 when configuration is automatically written through the network by Parameter Telegram (Remote Mode).
Note : Basic parameters (accessible only in configuration mode) are not managed.

LTMR Firmware		Profibus GSD file
		V01.02
FW 1.7	No LTME	Full compatibility
FW 1.7	LTME V1.3	Full compatibility
FW 1.7	LTME V1.4	Full compatibility
FW 1.8	No LTME	Limitation: Parameters relative to motor temperature sensor PT100 are not managed during network configuration and network initializing phases.
FW 1.8	LTME V1.4	Limitation: Parameters relative to motor temperature sensor PT100 , voltage dip management, and automatic restart are not managed during network configuration and network initializing phases.
FW 1.8	LTME V1.3	Limitation: Auto-restart is not supported.