BMW GROUP

Release Notes SysTimeGeneric

Project	BMW AUTOSAR Core 4 Rel. 3 and adaptive BMW AUTOSAR Core Rel. 1
Author	BMW AG
Release Date	2017-12-14
Version	5.0.3
Status	Release
Hotline	+49 89 382 - 32233 (classic) / +49 89 382 - 22522 (adaptive)
Contact	bac@bmw.de (classic) / abac@bmw.de (adaptive)
	https://asc.bmw.com/jira/browse/BSUP (extern)
	https://asc.bmwgroup.net/jira/browse/BSUP (intern)

Revision History

Version	Date	Issues
5.0.3	2017-12-14	BAC-6695
5.0.2	2017-10-12	BAC-5176, BAC-6230, BAC-6433
5.0.1	2017-08-10	BAC-6200
5.0.0	2017-06-29	

1 Module Description

The system time represents the time, which has passed since the initialization of the System Time Master. The main objective of the System Time Client functionality is to maintain the current system time for the local ECU. This means: - Receiving the system time from the System Time Master - Interpolation of the system time if no system time signal was received from the System Time Master - Providing the system time to the Dem and to other software components - Providing the system time for diagnostic requests

2 Revisions and Modifications

Revision 5.0.3 [Released]

Item	Description
CR ID:	BAC-6695
CR Headline:	Fix MISRA violations
Description of Issues:	SysTime has MISRA violations.
Description of Changes:	Fixed MISRA violations where reasonable.
Changed Files:	src/SysTime.c
Compatibility:	

Revision 5.0.2 [Released]

Item	Description
CR ID:	BAC-5176
CR Headline:	BAC modules paramdef violate TPS_ECUC_06004
Description of Issues:	According to AUTOSAR_TPS_ECUConfiguration TPS_ECUC_06004 an AdminData field is required at the beginning of every ECU Configuration Parameter Definition XML file.
Description of Changes:	Added AdminData field containing module version and release date.
Changed Files:	cfgdesc/SysTime_paramdef.arxml
Compatibility:	

Item	Description
CR ID:	BAC-6230
CR Headline:	Usage of IMPLEMENTATION-CONFIG-CLASSES in BMW modules is invalid according to ASR4.2.2
Description of Issues:	Elements IMPLEMENTATION-CONFIG-CLASSES containing ECUC-IMPLEMENTATION-CONFIGURATION-CLASS are deprecated.They shall be replaced by VALUE-CONFIG-CLASSES/ECUC-VALUE-CONFIGURATION-CLASS and/or MULTIPLICITY-CONFIG-CLASSES/ECUC-MULTIPLICITY-CONFIGURATION-CLASS

Item	Description
Description of Changes:	Replaced IMPLEMENTATION-CONFIG-CLASSES by VALUE-CONFIG-CLASSES, added MULTIPLICITY-CONFIG-CLASSES where necessary.
Changed Files:	cfgdesc/SysTime_paramdef.arxml
Compatibility:	

Item	Description
CR ID:	BAC-6433
CR Headline:	Schema of paramdefs, paramconfs and SWCDen should be AUTOSAR_4-3-0_STRICT_COMPACT.xsd
Description of Issues:	Schema of parameter definition files and SWCDs should be conform to AUTOSAR_4-3-0_STRICT_COMPACT.xsd
Description of Changes:	Adapted parameter definition files and SWCDs to schema AUTOSAR_4-3-0_STRICT_COMPACT.
Changed Files:	cfgdesc/SysTime_paramdef.arxml
Compatibility:	

Revision 5.0.1 [Released]

Item	Description
CR ID:	BAC-6200
CR Headline:	Improve Requirements Traceability
Description of Issues:	Add requirements from IntegrationManual to RequirementsTable.
Description of Changes:	Added requirements from IntegrationManual to RequirementsTable.
Changed Files:	
Compatibility:	

Revision 5.0.0 [Released]

Item	Description
CR ID:	
CR Headline:	Initial Release for SP2021
Description of Issues:	Initial Release for SP2021
Description of Changes:	Initial Release for SP2021
Changed Files:	
Compatibility:	