Document Title	Release 3.2 Overview and Revision History
Document Owner	AUTOSAR
Document Responsibility	Release Management
Document Identification No	000
Document Classification	Auxiliary

Document Version	1.2.0
Document Status	Final
Part of Release	3.2
Revision	3
Release Validity Status	Valid

Document Change History			
Date	Version	Changed by	Change Description
28.02.2014	1.2.0	AUTOSAR Release Management	Update for Revision 3
04.09.2012	1.1.1	AUTOSAR Release Management	Added BWC Statement for R3.2.2
27.06.2012	1.1.0	AUTOSAR Release Management	Update for Revision 2
13.05.2011	1.0.0	AUTOSAR Release Management	Initial Release with Revision 1

AUTOSAR_Release3.2_Overview_RevHistory

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Table of Contents

1 Scope of this Document

This document provides an overview of the complement of AUTOSAR documents comprising the Release 3.2 in its latest Revision 3. Further a history is provided aimed to identify the changes between the individual Revisions within Release 3.2.

1.1 Technical Overview

A technical overview on the technical concepts behind the AUTOSAR Standard is provided in [2].

1.2 Document Overview

This document is structured as follows:

Chapter 2 provides a list of documentation references.

Chapter 3 provides a set of definitions aimed to increase the understanding of the content of this document and the Release 3.2.

Chapter 4 provides a summary of changes that were implemented since the preceding Release 3.1.

Chapter 5 states the Release's 3.2 validity status and contains the overview of documents comprising the Release 3.2 in its latest Revision 3. This chapter is structured according to the clusters being in use in AUTOSAR Release 3.2.

Chapter 6 contains a remark about known technical deficiencies.

Chapter 7 contains the detailed Revision History.

2 Related Documentation

[1] AUTOSAR Glossary
AUTOSAR_Glossary.pdf

[2] AUTOSAR Technical Overview
AUTOSAR_TechnicalOverview.pdf

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3 Definitions

As far as not explained in this chapter, a collection of AUTOSAR definitions is provided in the Glossary [1].

3.1 Release Number

AUTOSAR applies a two-digit numbering scheme Rx.y to identify Releases. Its primary purpose is to identify a Release as a major (upgrade) or as minor (update) Release. Refering to previous Releases (e.g. R2.0), incrementing the first digit "x" does identify a Release as major, whereas incrementing "y" will mark a Release as only minor by nature.

3.2 Revision Number

The Revision Number was first time introduced with Release 2.1 and extends the Release Numbering scheme as explained in section 3.1. Combined with the Release Number, the Revision Number shall:

1) Precisely identify the actual content (set of documents) of a given Release,
2) As depicted in every document, precisely identify a given document (with its unique name and three-digit version ID) as being part of the Release (here: Release 3.2)

Item 1) addresses the fact that the set of documents comprising a Release (in the meaning of a baseline) is rarely established once at a certain point in time ("Big Bang"), but rather evolves and/or varies over a certain timeframe the maximum duration of which is limited by the timeframe a Release is declared as "valid" by the AUTOSAR Partnership (see section 3.3).

Hence with Item 1), a major prerequisite will be put in place to enable the Standard Maintenance as planned by the AUTOSAR Partnership. In general, the primary objective is to avoid the provision of an additional – previously not planned – Release in case only one or a few documents were to be modified as part of the Standard Maintenance. Conversely, without the application of a Revision Number, if the AUTOSAR partnership wants to avoid the provision of (an) additional intermediate Release(s), one would have to defer the introduction of any changes until the next planned Release – even in case of changes urgently needed by the applicants of the AUTOSAR Standard.

Item 2) is complementary to Item 1) in that for every document a unique identifier is provided upon which Revision a) a document was either 1st time added to/removed from a Release or b) a document was modified as being part of one and the same Release, as long the latter is valid and therefore subject to Standard Maintenance.

Hence with item 2), the combination of Release and Revision Number in a document can be interpreted either as a) "document was (1st time) added to the Release x.y Rev n" or b) as "document was modified as part of Release x.y Rev m", with m > n.

Conversely, the Revision number will only change for documents subject to addition or modification of a valid Release (baseline). After their 1st time addition to the Release (baseline), it will not change for documents which are not modified.

In the light of the above provided background, as an additional remark, the Revision Number will only be applied for each document's Release version, i.e. it will not be applied to working versions.

3.3 Release Validity Status

Each Release (baseline) can enter one of the four consecutive steps within its lifecycle:

1. CURRENT: The latest Release. A CURRENT Release is by default VALID.
2. VALID: a Release preceding the CURRENT Release. A VALID Release is subject to Standard Maintenance.
3. LOKI: a Release preceding the current Release for which no Standard Maintenance is provided any more but for which still the List of known Issues is kept up to date.
4. OBSOLETE: a Release preceding the VALID and/or CURRENT Release for which, however, no Standard Maintenance is provided anymore.

3.4 Standard Specifications and Auxiliary Material

Standard Specifications are documents, models or formats which comprise the main result of the AUTOSAR Partnership. It includes the standardized results which have to be fulfilled to achieve AUTOSAR conformance. Standard Specifications are the base for AUTOSAR conformance tests.

In Release 3.2, Standard Specifications are stored at the following URL:
https://svn3.autosar.org/repos2/work/22_Releases/32_Release3.2/01_Standard

Auxiliary Material is a supporting document, model or format meant to further explain and/or improve the usability of standard specifications of the AUTOSAR partnership. Auxiliary material is recommended to read and/or use for a better understanding or harmonized usage of the AUTOSAR standard but is not mandatory to follow for AUTOSAR conformance.

In Release 3.2, Auxiliary Material is stored at the following URL:
https://svn3.autosar.org/repos2/work/22_Releases/32_Release3.2/02_Auxiliary

3.5 Release Clusters

3.5.1 Main Documents

"Main Documents" are general AUTOSAR documents facilitating a global view on requirements, concepts and terms.

3.5.2 Basic Software Architecture and Runtime Environment

Documents belonging to this Release cluster provide descriptions, requirements and specifications of the AUTOSAR Software Architecture and the Runtime Environment.

3.5.3 Methodology and Templates

Documents belonging to this Release cluster provide requirements, specifications, templates and guidelines on the AUTOSAR methodology and tool chain.

3.5.4 Application Interfaces

Documents belonging to this Release cluster provide specifications of interfaces between applications and related explanatory material.

3.5.5 Conformance Test

Documents belonging to this Release Cluster provide descriptions, requirements, specifications, and scripts for the planning and execution of conformance tests.

3.5.6 Other Documents

This cluster contains documents which do not belong to any of the previous Release clusters.

4 Release 3.2 – Summary of Changes

This chapter contains a summary of changes which were implemented since the previous Release 3.1. Apart from several smaller bug fixes two significant activities characterize the changes inside Release 3.2 compared to its baseline Release 3.1 (Revision 5).

On the one hand side new additional features have been added:
- Partial Networking
- Robustness features especially in state manager modules
- Improvement of error handling (e.g. production vs. development errors)

On the other hand side specific feature existing already in Release 4.0 have been backported:
- Safety Concept (E2E communication protection)
- Extended CDD Concept
- BSW Mode Manager
- FlexRay ISO TP

5 Release 3.2 – Document Overview

5.1 Release Validity Information

This Release 3.2 in its latest Revision 3 has the validity status VALID.

5.2 Cluster: Main Documents

As of the latest Revision 3, the following Main Documents are part of Release 3.2:

Document	*Classifi-cation*	*Version*	*Status*	*File Name*
Main Requirements	aux	2.1.2	Final	AUTOSAR_MainRequirements
Glossary	aux	2.3.0	Final	AUTOSAR_Glossary
Technical Overview	aux	2.2.2	Final	AUTOSAR_TechnicalOverview

5.3 Cluster: Basic Software Architecture and Runtime Environment

As of the latest Revision 3, the following Basic Software and Runtime Environment documents are part of Release 3.2:

Document	*Classifi-cation*	*Version*	*Status*	*File Name*
Specification of the Virtual Functional Bus	aux	1.3.0	Final	AUTOSAR_SWS_VirtualFunctionBus
Layered Software Architecture	aux	2.4.0	Final	AUTOSAR_LayeredSoftwareArchitecture
List of Basic Software Modules	std	1.6.0	Final	AUTOSAR_BasicSoftwareModules
General Requirements on Basic Software Modules	std	2.5.1	Final	AUTOSAR_SRS_General
Requirements on a Free Running Timer	aux	1.0.5	Final	AUTOSAR_SRS_SWFreeRunningTimer
Specification of Development Error Tracer	std	2.2.3	Final	AUTOSAR_SWS_DET
Specification of Platform Types	std	2.3.3	Final	AUTOSAR_SWS_PlatformTypes
Specification of Standard Types	std	1.5.1	Final	AUTOSAR_SWS_StandardTypes
Specification of C Implementation Rules	aux	1.0.5	Final	AUTOSAR_SWS_C_ImplementationRules
Specification of Communication Stack Types	std	2.6.0	Final	AUTOSAR_SWS_ComStackTypes
Specification of Memory Mapping	std	1.2.2	Final	AUTOSAR_SWS_MemoryMapping
Specification of Compiler Abstraction	std	2.2.1	Final	AUTOSAR_SWS_CompilerAbstraction
Specification of BSW Scheduler	std	1.2.0	Final	AUTOSAR_SWS_BSW_Scheduler
Modeling Guidelines of Basic Software EA UML Model	aux	1.2.2	Final	AUTOSAR_BSW_EA_UML_ModelingGuideline

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Document	Classifi-cation	Version	Status	File Name
Basic Software UML Model	aux	2.7.0	Final	AUTOSAR_BSW_UML_Model
Requirements on RTE Software	aux	1.5.0	Final	AUTOSAR_SRS_RTE
Specification of RTE Software	std	2.6.0	Final	AUTOSAR_SWS_RTE
Requirements on LIN	aux	1.2.0	Final	AUTOSAR_SRS_LIN
Specification of LIN Interface	std	2.4.0	Final	AUTOSAR_SWS_LIN_Interface
Specification of LIN Driver	std	1.5.1	Final	AUTOSAR_SWS_LIN_Driver
Requirements on CAN	aux	2.6.0	Final	AUTOSAR_SRS_CAN
Specification of CAN Transport Layer	std	2.6.0	Final	AUTOSAR_SWS_CAN_TP
Specification of CAN Interface	std	3.5.0	Final	AUTOSAR_SWS_CAN_Interface
Specification of CAN Driver	std	2.6.0	Final	AUTOSAR_SWS_CAN_Driver
Specification of CAN Transceiver Driver	std	2.1.0	Final	AUTOSAR_SWS_CAN_TransceiverDriver
Requirements on Communication	aux	2.3.0	Final	AUTOSAR_SRS_COM
Specification of Communication	std	3.5.0	Final	AUTOSAR_SWS_COM
Requirements on I-PDU Multiplexer	aux	1.0.5	Final	AUTOSAR_SRS_IPDUM
Specification of I-PDU Multiplexer	std	1.5.1	Final	AUTOSAR_SWS_IPDUM
Requirements on Network Management	aux	3.0.2	Final	AUTOSAR_SRS_NM
Specification of Generic Network Management Interface	std	1.4.0	Final	AUTOSAR_SWS_NMInterface
Specification of FlexRay Network Management	std	3.4.0	Final	AUTOSAR_SWS_FlexRay_NM
Specification of CAN Network Management	std	3.5.0	Final	AUTOSAR_SWS_CAN_NM
Requirements on Function Inhibition Manager	aux	1.1.2	Final	AUTOSAR_SRS_FIM
Specification of Function Inhibition Manager	std	1.4.1	Final	AUTOSAR_SWS_FIM
Requirements on Diagnostic	aux	2.2.0	Final	AUTOSAR_SRS_Diagnostic
Specification of Diagnostic Communication Manager	std	4.1.0	Final	AUTOSAR_SWS_DCM
Specification of Diagnostics Event Manager	std	3.4.0	Final	AUTOSAR_SWS_DEM
Requirements on FlexRay	aux	2.3.0	Final	AUTOSAR_SRS_FlexRay
Specification of FlexRay Interface	std	3.4.0	Final	AUTOSAR_SWS_FlexRay_Interface
Specification of FlexRay Driver	std	2.4.0	Final	AUTOSAR_SWS_FlexRay_Driver
Specification of FlexRay Transceiver Driver	std	1.6.0	Final	AUTOSAR_SWS_FlexRayTransceiver
Requirements on Gateway	aux	2.3.0	Final	AUTOSAR_SRS_Gateway
Specification of PDU Router	std	2.6.0	Final	AUTOSAR_SWS_PDU_Router
Requirements on Memory Services	aux	2.2.3	Final	AUTOSAR_SRS_MemoryServices
Specification of NVRAM Manager	std	2.6.0	Final	AUTOSAR_SWS_NVRAM_Manager
Specification of CRC Routines	std	3.3.1	Final	AUTOSAR_SWS_CRC_Routines
Requirements on Mode Management	aux	1.3.1	Final	AUTOSAR_SRS_ModeManagement

Document	Classifi-cation	Version	Status	File Name
Specification of ECU State Manager	std	2.1.0	Final	AUTOSAR_SWS_ECU_StateManager
Specification of Communication Manager	std	2.4.0	Final	AUTOSAR_SWS_ComManager
Specification of Watchdog Manager	std	1.4.1	Final	AUTOSAR_SWS_WatchdogManager
Requirements on Operating System	aux	2.0.6	Final	AUTOSAR_SRS_OS
Specification of Operating System	std	3.2.1	Final	AUTOSAR_SWS_OS
General Requirements on SPAL	aux	2.1.3	Final	AUTOSAR_SRS_SPAL_General
Requirements on SPI Handler/Driver	aux	2.0.6	Final	AUTOSAR_SRS_SPI_Handler Driver
Specification of SPI Handler/Driver	std	2.5.0	Final	AUTOSAR_SWS_SPI_Handler Driver
Requirements on ICU Driver	aux	2.0.6	Final	AUTOSAR_SRS_ICU_Driver
Specification of ICU driver	std	3.3.0	Final	AUTOSAR_SWS_ICU_Driver
Requirements on ADC Driver	aux	2.2.3	Final	AUTOSAR_SRS_ADC_Driver
Specification of ADC Driver	std	3.0.4	Final	AUTOSAR_SWS_ADC_Driver
Requirements on I/O Hardware Abstraction	aux	1.0.5	Final	AUTOSAR_SRS_IOHW_Abstraction
Specification of I/O Hardware Abstraction	aux	2.1.0	Final	AUTOSAR_SWS_IOHWAbstraction
Requirements on RAM Test	aux	1.1.5	Final	AUTOSAR_SRS_RAM_Test
Specification of RAM Test	std	1.5.0	Final	AUTOSAR_SWS_RAM_Test
Requirements on PWM Driver	aux	2.1.4	Final	AUTOSAR_SRS_PWM_Driver
Specification of PWM Driver	std	2.3.1	Final	AUTOSAR_SWS_PWM_Driver
Requirements on GPT Driver	aux	2.0.5	Final	AUTOSAR_SRS_GPT_Driver
Specification of GPT Driver	std	2.2.3	Final	AUTOSAR_SWS_GPT_Driver
Requirements on DIO Driver	aux	2.1.0	Final	AUTOSAR_SRS_DIO_Driver
Specification of DIO Driver	std	2.4.1	Final	AUTOSAR_SWS_DIO_Driver
Requirements on Watchdog Driver	aux	2.0.5	Final	AUTOSAR_SRS_Watchdog_Driver
Specification of Watchdog Driver	std	2.3.1	Final	AUTOSAR_SWS_WatchdogDriver
Specification of Watchdog Interface	std	2.3.1	Final	AUTOSAR_SWS_WatchdogInterface
Requirements on PORT Driver	aux	2.0.5	Final	AUTOSAR_SRS_PORT_Driver
Specification of PORT Driver	std	3.2.2	Final	AUTOSAR_SWS_Port_Driver
Requirements on MCU Driver	aux	2.0.6	Final	AUTOSAR_SRS_MCU_Driver
Specification of MCU Driver	std	2.6.0	Final	AUTOSAR_SWS_MCU_Driver
Requirements on EEPROM Driver	aux	2.0.6	Final	AUTOSAR_SRS_EEPROM_Driver
Specification of EEPROM Driver	std	2.4.1	Final	AUTOSAR_SWS_EEPROM_Driver
Requirements on Flash Driver	aux	2.0.6	Final	AUTOSAR_SRS_Flash_Driver
Specification of Flash Driver	std	2.4.1	Final	AUTOSAR_SWS_FlashDriver
Requirements on Memory Hardware Abstraction Layer	aux	1.0.6	Final	AUTOSAR_SRS_MemHw_AbstractionLayer
Specification of Memory Abstraction Interface	std	1.4.0	Final	AUTOSAR_SWS_Mem_AbstractionInterface
Specification of Flash EEPROM Emulation	std	1.5.0	Final	AUTOSAR_SWS_Flash_EEPROM_Emulation

Document	Classifi-cation	Version	Status	File Name
Specification of EEPROM Abstraction	std	1.5.0	Final	AUTOSAR_SWS_EEPROM_Abstraction
Specification of CAN State Manager	std	1.5.0	Final	AUTOSAR_SWS_CAN_StateManager
Specification of FlexRay State Manager	std	1.4.0	Final	AUTOSAR_SWS_FlexRay_StateManager
Specification of LIN State Manager	std	1.3.1	Final	AUTOSAR_SWS_LIN_StateManager
Explanation of Interrupt Handling within AUTOSAR	aux	1.0.2	Final	AUTOSAR_InterruptHandling_Explanation
Specification of Basic Software Mode Manager	std	3.1.0	Final	AUTOSAR_SWS_BSWModeManager
Requirements on Libraries	aux	1.1.1	Final	AUTOSAR_SRS_Libraries
Specification of SW-C End-to-End Communication Protection Library	std	3.2.0	Final	AUTOSAR_SWS_E2ELibrary
Specification of FlexRay ISO Transport Layer	std	1.2.0	Final	AUTOSAR_SWS_FlexRay_ISO_TP
Backward Compatibility Statement	aux	2.1.0	Final	AUTOSAR_TR_BWCStatement
Specification of FlexRay AUTOSAR Transport Layer	std	2.6.0	Final	AUTOSAR_SWS_FlexRayARTransportLayer

5.4 Cluster: Methodology and Templates

As of the latest Revision 3, the following Methodology and Template documents are part of Release 3.2:

Document	Classifi-cation	Version	Status	File Name
Requirements on Graphical Notation	aux	1.0.5	Final	AUTOSAR_RS_GraphicalNotation
Specification of Graphical Notation	aux	1.0.6	Final	AUTOSAR_GraphicalNotation
Requirements on Interaction with Behavioral Models	aux	1.0.5	Final	AUTOSAR_RS_InteractionBehavioralModels
Specification of Interaction with Behavioral Models	aux	1.0.6	Final	AUTOSAR_InteractionBehavioralModels
Requirements on Interoperability of Authoring Tools	aux	1.0.5	Final	AUTOSAR_RS_InteroperabilityAuthoringTools
Specification of Interoperability of Authoring Tools	aux	1.3.1	Final	AUTOSAR_InteroperabilityAuthoringTools
Requirements on Feature Definition of Authoring Tools	aux	1.0.5	Final	AUTOSAR_RS_FeatureDefinition
Specification of Feature Definition of Authoring Tools	aux	1.0.5	Final	AUTOSAR_FeatureDefinition
Applying Simulink to AUTOSAR	aux	1.0.6	Final	AUTOSAR_SimulinkStyleguide
Applying ASCET to AUTOSAR	aux	1.0.4	Final	AUTOSAR_AscetStyleguide
Specification of ECU Resource Template	std	1.0.5	Final	AUTOSAR_ECU_ResourceTemplate
Requirements on Software Component Template	aux	1.2.0	Final	AUTOSAR_RS_SoftwareComponentTemplate
Software Component Template	std	3.6.0	Final	AUTOSAR_SoftwareComponentTemplate
System Template	std	3.6.0	Final	AUTOSAR_SystemTemplate

Document	Classifi-cation	Version	Status	File Name
Model Persistence Rules for XML	std	2.2.1	Final	AUTOSAR_ModelPersistenceRulesforXML
Generic Structure Template	aux	2.3.1	Final	AUTOSAR_GenericStructureTemplate
Meta Model	aux	3.6.0	Final	AUTOSAR_MetaModel
Meta Model-generated XML Schema	std	3.6.0	Final	autosar.xsd
Template UML Profile and Modeling Guide	aux	2.2.2	Final	AUTOSAR_TemplateModelingGuide
Requirements on ECU Configuration	aux	1.1.4	Final	AUTOSAR_RS_ECU_Configuration
Specification of ECU Configuration	std	2.5.0	Final	AUTOSAR_ECU_Configuration
Requirements on Basic Software Module Description	aux	1.0.2	Final	AUTOSAR_RS_BSW_ModuleDescription
Basic Software Module Description Template	std	1.3.1	Final	AUTOSAR_BSW_ModuleDescription
Methodology	aux	1.2.2	Final	AUTOSAR_Methodology
Requirements on System Template	aux	2.2.0	Final	AUTOSAR_RS_SystemTemplate
Specification of ECU Configuration Parameters (XML)	std	2.6.0	Final	AUTOSAR_EcucParamDef.xml

5.5 Cluster: Application Interfaces

As of the latest Revision 3, the following Application Interfaces documents are part of Release 3.2:

Document	Classifi-cation	Version	Status	File Name
SW-C and System Modeling Guide and Naming Conventions	aux	1.0.2	Final	AUTOSAR_SWC_System_Modeling.doc
Integrated Master Table of Application Interfaces	aux	1.0.2	Final	AUTOSAR_ApplicationInterfaces.xls (zip)
Requirements on SW-C and System Modeling	aux	1.0.2	Final	AUTOSAR_RS_SWC_System_Modeling.doc
Explanation of Application Interfaces of the Body and Comfort Domain	aux	1.0.2	Final	AUTOSAR_ApplicationInterfaces_Explanation_BodyComfort
Explanation of Application Interfaces of the Powertrain Domain	aux	1.0.2	Final	AUTOSAR_ApplicationInterfaces_Explanation_Powertrain
Explanation of Application Interfaces of the Chassis Domain	aux	1.0.2	Final	AUTOSAR_ApplicationInterfaces_Explanation_Chassis
Integrated Master Table of Application Interfaces (XML Schema R3.0)	std	1.0.5	Final	AUTOSAR_ApplicationInterfaces_ForXMLSchema_R3.0.arxml
Integrated Master Table of Application Interfaces (XML Schema R2.0)	std	1.0.2	Final	AUTOSAR_ApplicationInterfaces_ForXMLSchema_R2.0.arxml
Integrated Master Table of Application Interfaces (XML Schema R2.1)	std	1.0.2	Final	AUTOSAR_ApplicationInterfaces_ForXMLSchema_R2.1.arxml

5.6 Cluster: Conformance Test

As of the latest Revision 3, the following other documents are part of Release 3.2:

Document	*Classifi-cation*	*Version*	*Status*	*File Name*
Conformance Test Process Definition Path D	std	1.0.3	Final	AUTOSAR_DS_CT_Path_D
Conformance Test Process Definition Path A-C	std	1.0.3	Final	AUTOSAR_DS_CT_Path_A-C
Conformance Test Agency Accreditation	std	1.0.3	Final	AUTOSAR_DS_Accreditation
Requirements for CTA Accreditation Bodies	aux	1.0.3	Final	AUTOSAR_DS_AccreditationBodyRequirements
AUTOSAR CTA Accreditation - application rules for ISO Guide 65	std	1.0.2	Final	AUTOSAR_DS_Accreditation_application_of_ISO_Guide_65
AUTOSAR CTA Accreditation - application rules for ISO 17025	std	1.0.2	Final	AUTOSAR_DS_Accreditation_application_of_ISO_17025
AUTOSAR BSW & RTE Conformance Test Specification Part 1: Background	aux	1.0.2	Final	AUTOSAR_CTSpec_Background
AUTOSAR BSW & RTE Conformance Test Specification Part 2: Process Overview	aux	1.0.2	Final	AUTOSAR_CTSpec_Process_Overview
AUTOSAR BSW & RTE Conformance Test Specification Part 3: Creation & Validation	aux	1.0.2	Final	AUTOSAR_CTSpec_Creation_Validation
AUTOSAR BSW & RTE Conformance Test Specification Part 4: Execution Constraints	aux	1.0.2	Final	AUTOSAR_CTSpec_Execution_Constraint
Template for Conformance Test Specification Documents	aux	1.0.2	Final	AUTOSAR_CTSpec_Template

5.7 Cluster: Other Documents

There are currently no documents in cluster "other documents" as of the latest Revision 3 of Release 3.2.

6 Remarks to Known Technical Deficiencies

For the automotive industry, ISO 26262:2011 "Road vehicles - Functional safety" has been released in 11/2011. Due to its release date, AUTOSAR still contains outdated references to earlier drafts of ISO 26262 respective ist predecessor standard IEC 61508:2000.

Other technical deficiencies are – if applicable – mentioned inside the respective specification in a chapter called "Known Limitations" which is located after the table of contents.

7 Revision History of the Release 3.2

Date	Revision	Document Name	Version	Description State	
28.02.2014	3	General Requirements on Basic Software Modules	2.5.1	modified	- Editorial changes
		Generic Structure Template	2.3.1	modified	- Add additional names for "virtual modules"
		Layered Software Architecture	2.4.0	modified	- Editorial changes
		List of Basic Software Modules	1.6.0	modified	- Added MemMap
		Main Requirements	2.1.2	modified	- Editorial changes
		Requirements on ADC Driver	2.2.3	modified	- Editorial Changes
		Requirements on CAN	2.6.0	modified	- "Revised DLC checks depending on padding configuration
		Requirements on EEPROM Driver	2.0.6	modified	- Editorial changes"
		Requirements on Flash Driver	2.0.6	modified	- Editorial Change
		Requirements on FlexRay	2.3.0	modified	- Editorial changes
		Requirements on Free Running Timer	1.0.5	modified	- "Removed BSW05129 (Rate-/Offset correction)
		Requirements on Function Inhibition Manager	1.1.2	modified	- Editorial Changes"
		Requirements on Gateway	2.3.0	modified	- Single Frame runtime optimization added Editorial changes
		Requirements on GPT Driver	2.0.5	modified	- Editorial changes
		Requirements on ICU Driver	2.0.6	modified	- Editorial Changes
		Requirements on Libraries	1.1.1	modified	- Editorial changes
		Requirements on MCU Driver	2.0.6	modified	- Small fixes regarding document structure
		Requirements on Memory Hardware Abstraction Layer	1.0.6	modified	- Editorial changes
		Requirements on Memory Services	2.2.3	modified	- Editorial changes
		Requirements on Mode Management	1.3.1	modified	- Editorial changes
		Requirements on Network Management	3.0.2	modified	- Replaced CRI with PNI (Partial Network information)
		Requirements on Operating System	2.0.6	modified	- Editorial changes
		Requirements on PWM Driver	2.1.4	modified	- Editorial changes
		Requirements on RAM Test	1.1.5	modified	- Editorial changes Removed chapter(s) on change documentation
		Requirements on Runtime Environment	1.5.0	modified	- Removed RTE00125 Changed RTE00084 Editorial changes
		Requirements on SPI Handler/Driver	2.0.6	modified	- Editorial changes
		Specification of ADC Driver	3.0.4	modified	- Editorial changes Removed chapter(s) on change documentation
		Specification of Basic	3.1.0	modified	- Items erroneously backported from 4.x

Date	Revision	Document		Description	
		Name	**Version**	**State**	
		Software Mode Manager			corrected (BswM & Fee) - Updates to BswMDevErrorDetect, BswMSwcMode, BswMBswMode - Document formatting & consistency restored - Editorial changes
		Specification of CAN Driver	2.6.0	modified	- Updated section 7.6.1, added new requirements CAN447, CAN448 and figure 7-4 Replaced requirement CAN076 by a note Removed requirement CAN270 Added requirement CAN449 and modified requirement CAN266 Editorial changes Removed chapter(s) on change documentation
		Specification of CAN Interface	3.5.0	modified	- Set Pretended Networking API optional Limited multiplicity of PDU - HOH Extended Development Errors for APIs Fixed CanIf_Init and CanIf_CancelTxConfirmation APIs Fixed Wakeup Sequence Editorial changes
		Specification of CAN Network Management	3.5.0	modified	- Corrections for Partial Networking Corrections when starting NM PDU sending Harmonization with AR4 (Migration Support) Editorial changes Removed chapter(s) on change documentation
		Specification of CAN State Manager	1.5.0	modified	- CanSM state machine initialization does not requests any lower layer APIs anymore to avoid race conditions CanSM considers communication mode requests also during bus-off recovery to ensure a synchronization to the NM state machine CanSM state machine implements a new state to be involved into the wake-up validation process of the EcuM module Editorial changes Removed chapter(s) on change documentation
		Specification of CAN Transceiver Driver	2.1.0	modified	- Revised configuration for SPI Interface Added an API "CanTrcv_SetPNActivationState" Editorial changes
		Specification of Communication	3.5.0	modified	- Added support for configurable user header files Clarifications and formal updates throughout the document
		Specification of	2.4.0	modified	- Repaired the reset after forcing

| Date | Revision | Document | | Description | |
		Name	Version	State	
		Communication Manager			NO_COM feature Fixed inconsistency wrt. InhibitionStatusType Max. supported PNCs increased to 56 Editorial changes Removed chapter(s) on change documentation
		Specification of Communication Stack Types	2.6.0	modified	- Added Enum values for TPParameterType
		Specification of Compiler Abstraction	2.2.1	modified	- Editorial changes
		Specification of CRC Routines	3.3.1	modified	- Editorial changes - Removed chapter(s) on change documentation
		Specification of Development Error Tracer	2.2.3	modified	- Editorial changes
		Specification of Diagnostic Communication Manager	4.1.0	modified	- Rework interfaces with PduR - Remove mandatory jump in bootloader with LinkControl service (0x87) - Editorial changes - Removed chapter(s) on change documentation
		Specification of Diagnostic Event Manager	3.4.0	modified	- Backporting some AUTOSAR 4.x APIs Clarifications Editorial changes
		Specification of DIO Driver	2.4.1	modified	- Editorial changes Removed chapter(s) on change documentation
		Specification of ECU State Manager	2.1.0	modified	- CanSM is now involved in WakeupValidation and is called by EcuM in EcuM_StartWakeupSource and EcuM_StopWakeupSource Introduced EcuM_KillAllPostRUNRequests to kill PostRUN requests Editorial changes Removed chapter(s) on change documentation
		Specification of EEPROM Abstraction	1.5.0	modified	- Const qualifier added to Ea_Write prototype (EA087) New configuration parameter EaMainFunctionPeriod (EA128) Configuration parameter EaIndex deprecated (EA118) Naming inconsistency w.r.t. Ea_JobEndNotification (EA094) and Ea_JobErrorNotification (EA095) resolved Editorial changes
		Specification of EEPROM Driver	2.4.1	modified	- Editorial changes Removed chapter(s) on change documentation
		Specification of Flash Driver	2.4.1	modified	- Editorial changes
		Specification of Flash	2.4.1	modified	- Editorial changes

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		EEPROM Emulation			
		Specification of FlexRay AUTOSAR Transport Layer	2.6.0	modified	- Avoided the retry mechanism to get a buffer from PduR - Removed BSW05129 and fixed the linking to BSW05129 - Removed FRARTP prefix for fields of FrTp frames and used camel case notation consistently for EcuC parameters - Updated the description of configuration parameters FrTpHaveTc/FrTpTc, FrTpPduId - Editorial changes - Removed chapter(s) on change documentation
		Specification of FlexRay Driver	1.5.0	modified	- Const qualifier added to Fee_Write proto-type (FEE088) New configuration parameter FeeMain-FunctionPeriod (FEE119) Configuration parameter FeeIndex depre-cated (ECUC_Fee_00152) Editorial changes
		Specification of FlexRay Interface	2.4.0	modified	- Added API function Fr_GetWakeupRxStatus Editorial changes Removed chapter(s) on change documentation
		Specification of FlexRay ISO Transport Layer	1.2.0	modified	- Avoided the retry mechanism to get a buffer from PDUR. - Added new requirement describing the layout of BC parameter. - Modified FRISOTP1160 - Removed FRISOTP1068, FRISOTP1136, FRISOTP015_Conf, FRISOTP030_Conf, FRISOTP173 - Editorial changes
		Specification of FlexRay Network Management	3.4.0	modified	- FrIfGAssumedPreciscion set to deprecated/obsolete Added FrIf_GetWakeupRxStatus() Several minor corrections Editorial changes Removed chapter(s) on change documentation
		Specification of FlexRay State Manager	3.4.0	modified	- Corrections for Partial Networking Correction in Initialization sequence Modification in State Chart Changes in Header file structure Editorial changes Removed chapter(s) on change documentation
		Specification of FlexRay Transceiver Driver	1.4.0	modified	- Dual Channel Wakeup Forwarding without Wakeup Echo
		Specification of Function Inhibition Manager	1.6.0	modified	- Removed incorrect sequence diagram Editorial changes Removed chapter(s) on change

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					documentation
		Specification of GPT Driver	1.4.1	modified	- Editorial changes
		Specification of I/O Hardware Abstraction	2.2.3	modified	- Editorial changes Removed chapter(s) on change documentation
		Specification of ICU Driver	2.1.0	modified	- Revised requirement IDs Editorial changes Removed chapter(s) on change documentation
		Specification of I-PDU Multiplexer	3.3.0	modified	- Changed Icu Edge Counting Requirement Editorial changes Removed chapter(s) on change documentation
		Specification of LIN Driver	1.5.1	modified	- Formal and editorial corrections
		Specification of LIN Interface	2.4.0	modified	- Added CDD callback functions - Removed wakeup transition due to LinIf_Cbk_CheckWakeup - Editorial changes - Removed chapter(s) on change documentation
		Specification of LIN State Manager	1.5.1	modified	- Editorial changes Removed chapter(s) on change documentation
		Specification of MCU Driver	1.3.1	modified	- Editorial changes
		Specification of Memory Abstraction Interface	2.6.0	modified	- Added note regarding handling of multiple requests for reset reason Changed return type of distribute PLL clock API Editorial changes Removed chapter(s) on change documentation
		Specification of Memory Mapping	1.4.0	modified	- Const qualifier added to MemIf_Write prototype (MemIf040) Duplicate requirement IDs split up, new requirement IDs added (ECUC_MemIf_00032, ECUC_MemIf_00033, ECUC_MemIf_00034, ECUC_MemIf_00035) Editorial changes
		Specification of Network Management Interface	1.2.2	modified	- Editorial changes
		Specification of NVRAM Manager	1.4.0	modified	- Correct chapter Expected Interfaces Add missing callback APIs Exclude DEM usage. Solve duplicated requirement ID Editorial changes
		Specification of Operating System	2.6.0	modified	- Added header include parameter used for the RAM and ROM declarations Clarified explicit synchronization for multi block operations Added NvMMainFunctionPeriod parameter

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		Specification of Platform Types	3.2.1	modified	- Editorial changes
		Specification of PDU Router	2.6.0	modified	- Refined Handling of FIFO Buffers - Single Frame runtime optimization - Removed Retry on TP buffer request - Editorial changes - Removed chapter(s) on change documentation
		Specification of Port Driver	2.3.3	modified	- Editorial changes
		Specification of PWM Driver	2.3.1	modified	- Editorial changes Removed chapter(s) on change documentation
		Specification of RAM Test	1.5.0	modified	- Adjustments to ISO 26262 Resolved inconsistency between FEE013 and BSW004 in chapter 5.1.3 Editorial changes Removed chapter(s) on change documentation
		Specification of SPI Handler/Driver	2.5.0	modified	- Correction of SPI149, SPI289, SPI290 and SPI291 Editorial changes Removed chapter(s) on change documentation
		Specification of Standard Types	1.5.1	modified	- Editorial changes
		Specification of Watchdog Driver	2.3.1	modified	- Header structure adapted Editorial changes
		Specification of Watchdog Interface	2.3.1	modified	- Editorial changes Removed chapter(s) on change documentation
		Specification of Watchdog Manager	1.4.1	modified	- Editorial changes Removed chapter(s) on change documentation
		Supplementary material of the AUTOSAR XML Schema	1.0.0	added	- Split up of "Meta Model-generated XML Schema"
		Meta Model	4.4.0	modified	- Reflect changes of specification documents
04-Sep-2012	2	Backward Compatibility Statement	2.1.0	modified	- Updated to show compatibility between R3.2.2 and R3.2.1
27-June-2012	2	Virtual Functional Bus	1.3.0	modified	- Support of NV data communication at element level
		Layered Software Architecture	2.3.0	modified	- Moved error handling into new chapter „integration and runtime aspects" - Clarified generated DEM symbolic names according ecuc_sws_2108 - Removed blocks for Time- and Synchronization Services - Added BSW Mode Manager - Retrofitting of CDD concept - Added a new chapter for Partial Networking concept - Fixed typos
		List of Basic Software Modules	1.5.0	modified	- Added new module BswM - Layer assignment of module "Fee"

Date	Revision	Document		Description	
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					corrected
		General Requirements on Basic Software Modules	2.5.0	modified	- [BSW00467] added - [BSW00409] The defined variable in the use case received a "Dem_" prefix - [BSW00437] re-written - [BSW00374] modified
		Specification of Standard Types	1.5.0	modified	- Minor bugfix without changing interfaces or functionality
		Specification of Communication Stack Types	2.5.0	modified	- Added PNCHandleType - Removed NTFRSLT_E_CANCELATION_OK and NTFRSLT_E_CANCELATION_NOT_OK from NotifResultType
		Specification of Compiler Abstraction	2.2.0	modified	- Added pointer class 'REGSPACE' (for register access)
		Basic Software UML Model	2.7.0	modified	- Changes according to the API section inside the software specifications
		Requirements on Runtime Environment	1.4.0	modified	- Added RTE00176, RTE00177, RTE00178, RTE00228 - Added RTE00179
		Specification of RTE Software	2.5.0	modified	- Access to NVRAM data with a NvBlockSwComponentType added. - API Rte_IsUpdated added. - Refined naming of runnable symbols in the code in order to avoid name clashes on the level of runnable entities. - Consolidation of signal invalidation.
		Specification of LIN Interface	2.3.0	modified	- Added the requirement of checking the parameter error - Added the requirement of calling the function Lin_GoToSleepInternal - Clarified the buffer handling requirement for LinTp - Changed the handling of unexpected PDU for LinTp (stop reception -> ignore message)
		Specification of LIN Driver	1.5.0	modified	- Updated LIN185 and clarification added - Deleted LIN132 and LIN136
		Requirements on CAN	2.5.0	modified	- CAN Tranceiver Driver: The wakeup by bus callback shall be synchronous or asynchronous depending on the hardware - CAN Interface: Extended Tx-Filter Requirement
		Specification of CAN Transport Layer	2.5.0	modified	- Update the CancelTransmit/CancelReceive mechanism
		Specification of CAN Interface	3.4.0	modified	- Limited support for Multiple Driver Support feature documented. - Storage of received L-PDUs in CanIf, their routing and notification to upper layers clarified. - Tabular format for type definitions introduced. - New optional interfaces added to support optional functionalities of CanIf module. - PN Mode Communication and Transceiver

Date	Revision	Document Name	Version	Description State	
					Wakeup related services specified.
		Specification of CAN Transceiver Driver	2.0.0	modified	- Added a new requirement for Partial Networking. - Changed the sequence diagrams of Interaction with DIO module, De-Init with synchronous SPI sequence and De-Init with asynchronous SPI sequence. - Added the container "CanTrcvPnFrameDataMaskSpec".
		Specification of Communication	3.4.0	modified	- Signatures of I-PDU callout functions changed to provide more information - Minor bug fixes and editorial changes
		Specification of I-PDU Multiplexer	1.5.0	modified	- Enabled use-case to receive only the static part of a multiplexed I-PDU - Minor bug fixes and editorial changes
		Requirements on Network Management	3.0.0	modified	- Added support for NM Co-ordination on Nested Sub-buses
		Specification of Network Management Interface	1.3.0	modified	- Support of Shutdown of nested Subbusses added - Cleanup of API-Service Attribute Sync/Async
		Specification of FlexRay Network Management	3.3.0	modified	- Changed NM coordinator synchronization support - Update of behaviour in case of synchronisation loss
		Specification of CAN Network Management	3.4.0	modified	- Support of a coordinated shutdown with multiple connected gateways - Corrections within Timeout Handling for Partial Networking - Adapted restart handling to Repeat Message State
		Requirements on Diagnostic	2.2.0	modified	- Added requirement BSW04083
		Specification of Diagnostic Communication Manager	4.0.0	modified	- Introduced automatic response for ComM indication to Dcm - Improvement of bootloader interaction - Introduced C/S Interface for CommunicationControl - Removed OpStatus parameter from GetSeed function
		Specification of Diagnostic Event Manager	3.3.0	modified	- Corrected basic types in RTE interfaces - Clarified availability of Dcm-related APIs
		Requirements on FlexRay	2.2.0	modified	- References for ISO Specifications updated - Restrictions for Half-Duplex removed
		Specification of FlexRay Transport Layer		removed	(removed)
		Specification of FlexRay Interface	3.3.0	modified	- Extension of FrIfMaxIsrDelay (Configurable per Job) - Extension for Vendor Specific APIs (FREE_OP_A & FREE_OP_B)
		Specification of FlexRay Transceiver Driver	1.5.0	modified	- Minor editorial changes (resolved duplicate service Ids)
		Requirements on Gateway	2.2.0	modified	- Removed requirement for "minimum routing capability" - Updated requirements for transparent

Date	Revision	Document			Description	
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					routing	
		Specification of PDU Router	2.5.0	modified	- Clarification of multicast routing of TP PDUs - Removing of minimum routing feature - Clarification return values for CancelTransmit/CancelReceive - Clarification of routing without rate conversion to time triggered interface modules	
		Specification of NVRAM Manager	2.5.0	modified	- Support of NV data interfaces (explicit synchronization) - Improved handling of redundant NVRAM block - Changed behaviour of restore block defaults (init callback)	
		Specification of CRC Routines	3.3.0	modified	- The CRC16 CCITT algorithm is renamed CRC16 CCITT-FALSE	
		Specification of Communication Manager	2.3.0	modified	- Allow an arbitrary bus name for Bus State Managers - ComM users are not assignable to a ComMChannel with Nm variant "Passive" anymore - Several bugfixes/clarifications to PNC functionality - Clarification of Configuration of SignalType IRA needed for PNC functionality - Extend the port interface ComM_ChannelWakeup to also provide querying the - InhibitionStatus - Clarification of the requirement "ComM406" - Clarification to ComM987 and ComM429 - Specification of PNC counting and PNC bit allocation - Correction of COMM_NM_LIGHT_TIMEOUT range to 0.0 < x <= 255.0. - Clarification that Inhibitionstatustype is uint8 - Harmonization of types eg. UInt8 --> uint8 - Correction of the Synchronicity Attribute for some APIs in chap. 8	
		Specification of ECU State Manager	2.0.0	modified	- Improved asynchronous transceiver handling for CAN Wake up (added EcuM_StartCheckWakeup EcuM_EndCheckWakeup) - Update of Wake-up Sequence II (initialization of modules from Init List III on wake up by wake up source with integrated power control) - Post-build parameters for multi purpose ECUs: fixed configuration parameter tables (EcuMConfiguration) - Clarification of shutdown target in case wake up validation fails.	

Date	Revision	Document		Description	
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					- Clarification about NvM_CancelWriteAll in shutdown paths
		Specification of Watchdog Manager	1.4.0	modified	- Type correction for compliance with AUTOSAR standard types definition
		Specification of SPI Handler/Driver	2.4.0	modified	- Clarification of SPI129
		Specification of ICU Driver	3.2.0	modified	- Updated description of Icu_IndexType
		Specification of RAM Test	1.4.0	modified	- Updated the limitations chapter with respect to the MC-OS. - Removal of a useless statement. - Typos correction
		Specification of DIO Driver	2.4.0	modified	- Renamed sequence diagram names with prefix 'Dio'
		Specification of MCU Driver	2.5.0	modified	- Some re-phrasing in MCU141 and MCU142 - Wording in MCU146 was corrected
		Specification of EEPROM Driver	2.4.0	modified	- File name of the sequence diagram (Cancelling a running job) prefixed with module name
		Specification of Flash Driver	2.4.0	modified	- Links to sequence charts updated to generated artifacts
		Specification of Flash EEPROM Emulation	1.4.0	modified	- Published parameter FeeMaximumBlockingTime deprecated
		Specification of EEPROM Abstraction	1.4.0	modified	- Published parameter EaMaximumBlockingTime deprecated - Correction / clarification on requirements regarding development errors
		Glossary	2.3.0	modified	- Extended Abbreviations - Rework of several descriptions
		Requirements on Software Component Template	1.2.0	modified	- Added requirement to extend non-volatile memory support
		Software Component Template	3.5.0	modified	- Added support for NvDataInterface and NvBlockSwComponentType (section 10.3.1) - Miscellaneous fixes and improvements - Fixes and improvements for EndToEndProtection (section 3.7) - Avoidance of naming conflicts
		System Template	3.5.0	modified	- Explained the general approach of bit counting - Made Nm Attributes optional - Defined usage of "rxIdentifierRange" and "identifier" in CanFrameTriggering - Made Mappings and SoftwareComposition in System optional - Made "transferProperty" of "ISignalToIPduMapping" optional - Made dynamicPart in MultiplexedPdu optional - Added Constraints 3020, 3024, 3025, 3034, 3035, 3039, 3040, 3041, 3042, 3043, 3044 - Added LinSlaveConfig class to the LinMaster - Clarified relationship between

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					CommConnectorPorts and Triggering elements
		Generic Structure Template	2.3.0	modified	- Aligned definition for short names with XML-Schema
		Meta Model	3.6.0	modified	- Changes according to the template specifications
		Meta Model-generated XML Schema	3.6.0	modified	- Changes according to the template specifications
		Specification of ECU Configuration	2.4.0	modified	- Reworked CDD configuration to reflect the direction of the communication - Introduced apiServicePrefix attribute to store the CDD module abbreviation (changed ecuc_sws_6037)
		Basic Software Module Description Template	1.3.0	modified	- Added rule to determine function argument names for software components mapped to BSW
		Specification of CAN State Manager	1.4.0	modified	- Bus off error reported as pre failed to make bus off recovery time independent of error detection time - Different TX Online PDU modes used for the regular transition to full communication and for the transition after bus-off to avoid WUF after bus-off recovery - CanSM_TxTimeoutException recovery improved
		Specification of FlexRay State Manager	1.3.0	modified	- Support of Dual Channel Wakeup Forwarding - FlexRay Transceiver Mode Switch can be delayed
		Specification of LIN State Manager	1.3.0	modified	- Changed handling of communication requests of ComM
		Specification of ECU Configuration Parameters (XML)	2.6.0	modified	- Changes according to the configuration sections of the software specifications
		Specification of Basic Software Mode Manager	3.0.0	modified	- Clarification of immediate action lists - Revised hierarchy of nested rules
		Specification of SW-C End-to-End Communication Protection Library	2.1.0	modified	- Extensions in the E2E_PXXCheck() functions with respect to handling of counter errors (significant) - Minor corrections in code examples (e.g. NULL pointer checks at the beginning) - Minor corrections concerning the interaction between inter-ECU and intra-ECU communication
		Specification of FlexRay ISO Transport Layer	1.1.0	modified	- Removed NTFRSLT_E_CANCELATION_OK from NotifResultType - Removed references to ChangeParameterConfirmation - Removed private values in NotifResultType
		Specification of FlexRay AUTOSAR Transport Layer	2.5.0	added	- New Document ID and Title - Organization of PDUs in PDU pools - Dynamic assignment of Tx N-PDUs to connections at runtime - Reserved Tx N-PDUs for high priority

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					connections - Cleanup of Document (incl. SWS IDs)
13-May-2011	1	Virtual Functional Bus	1.2.0	added	
		Layered Software Architecture	2.2.2	added	
		List of Basic Software Modules	1.4.0	added	
		General Requirements on Basic Software Modules	2.4.0	added	
		Requirements on Free Running Timer	1.0.4	added	
		Specification of Development Error Tracer	2.2.2	added	
		Specification of Platform Types	2.3.1	added	
		Specification of Standard Types	1.4.0	added	
		Specification of C Implementation Rules	1.0.5	added	
		Specification of Communication Stack Types	2.4.0	added	
		Specification of Memory Mapping	1.2.1	added	
		Specification of Compiler Abstraction	2.1.0	added	
		Specification of BSW Scheduler	1.2.0	added	
		Modeling Guidelines of Basic Software EA UML Model	1.2.2	added	
		Basic Software UML Model	2.6.0	added	
		Requirements on Graphical Notation	1.0.5	added	
		Specification of Graphical Notation	1.0.6	added	
		Requirements on Interaction with Behavioral Models	1.0.5	added	
		Specification of Interaction with Behavioral Models	1.0.6	added	
		Requirements on Interoperability of AUTOSAR Tools	1.0.5	added	
		Specification of Interoperability of AUTOSAR Tools	1.3.1	added	
		Requirements on Feature Definition of Authoring Tools	1.0.5	added	
		Specification of Feature Definition of Authoring Tools	1.0.5	added	
		Applying Simulink to AUTOSAR	1.0.6	added	
		Applying ASCET to AUTOSAR	1.0.4	added	
		Specification of ECU Resource Template	1.0.5	added	

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		Requirements on Runtime Environment	1.3.0	added	
		Specification of RTE Software	2.4.0	added	
		Requirements on LIN	1.2.0	added	
		Specification of LIN Interface	2.2.0	added	
		Specification of LIN Driver	1.4.0	added	
		Requirements on CAN	2.4.0	added	
		Specification of CAN Transport Layer	2.4.0	added	
		Specification of CAN Interface	3.3.0	added	
		Specification of CAN Driver	2.5.0	added	
		Specification of CAN Transceiver Driver	1.4.0	added	
		Requirements on Communication	2.3.0	added	
		Specification of Communication	3.3.0	added	
		Requirements on I-PDU Multiplexer	1.0.5	added	
		Specification of I-PDU Multiplexer	1.4.0	added	
		Requirements on Network Management	2.1.0	added	
		Specification of Network Management Interface	1.2.0	added	
		Specification of FlexRay Network Management	3.2.0	added	
		Specification of CAN Network Management	3.3.0	added	
		Requirements on Function Inhibition Manager	1.1.1	added	
		Specification of Function Inhibition Manager	1.4.0	added	
		Requirements on Diagnostic	2.1.1	added	
		Specification of Diagnostic Communication Manager	3.4.0	added	
		Specification of Diagnostic Event Manager	3.2.0	added	
		Requirements on FlexRay	2.1.0	added	
		Specification of FlexRay Transport Layer	2.4.0	added	
		Specification of FlexRay Interface	3.2.0	added	
		Specification of FlexRay Driver	2.3.0	added	
		Specification of FlexRay Transceiver Driver	1.4.0	added	
		Requirements on Gateway	2.1.0	added	
		Specification of PDU Router	2.4.0	added	
		Requirements on Memory Services	2.2.2	added	
		Specification of NVRAM	2.4.0	added	

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		Manager			
		Specification of CRC Routines	3.2.0	added	
		Requirements on Mode Management	1.3.0	added	
		Specification of ECU State Manager	1.4.0	added	
		Specification of Communication Manager	2.2.0	added	
		Specification of Watchdog Manager	1.3.0	added	
		Requirements on Operating System	2.0.5	added	
		Specification of Operating System	3.2.0	added	
		General Requirements on SPAL	2.1.3	added	
		Requirements on SPI Handler/Driver	2.0.5	added	
		Specification of SPI Handler/Driver	2.3.0	added	
		Requirements on ICU Driver	2.0.5	added	
		Specification of ICU Driver	3.1.0	added	
		Requirements on ADC Driver	2.2.2	added	
		Specification of ADC Driver	3.0.3	added	
		Requirements on I/O Hardware Abstraction	1.0.5	added	
		Specification of I/O Hardware Abstraction	2.0.2	added	
		Requirements on RAM Test	1.1.4	added	
		Specification of RAM Test	1.3.0	added	
		Requirements on PWM Driver	2.1.3	added	
		Specification of PWM Driver	2.3.0	added	
		Requirements on GPT Driver	2.0.4	added	
		Specification of GPT Driver	2.2.2	added	
		Requirements on DIO Driver	2.1.0	added	
		Specification of DIO Driver	2.3.0	added	
		Requirements on Watchdog Driver	2.0.5	added	
		Specification of Watchdog Driver	2.3.0	added	
		Specification of Watchdog Interface	2.3.0	added	
		Requirements on Port Driver	2.0.5	added	
		Specification of Port Driver	3.2.0	added	
		Requirements on MCU Driver	2.0.5	added	
		Specification of MCU Driver	2.4.0	added	
		Requirements on EEPROM Driver	2.0.5	added	
		Specification of EEPROM Driver	2.3.0	added	
		Requirements on Flash Driver	2.0.5	added	

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		Specification of Flash Driver	2.3.0	added	
		Requirements on Memory Hardware Abstraction Layer	1.0.5	added	
		Specification of Memory Abstraction Interface	1.3.0	added	
		Specification of Flash EEPROM Emulation	1.3.0	added	
		Specification of EEPROM Abstraction	1.3.0	added	
		Conformance Test Process Definition Path D	1.0.3	added	
		Conformance Test Process Definition Path A-C	1.0.3	added	
		Conformance Test Agency Accreditation	1.0.3	added	
		Requirements for CTA Accreditation Bodies	1.0.3	added	
		AUTOSAR CTA Accreditation - application rules for ISO Guide 65	1.0.2	added	
		AUTOSAR CTA Accreditation - application rules for ISO/IEC 17025	1.0.2	added	
		Main Requirements	2.1.1	added	
		Glossary	2.2.0	added	
		Technical Overview	2.2.2	added	
		SW-C and System Modeling Guide	1.0.2	added	
		Table of Application Interfaces	1.0.2	added	
		Requirements on Software Component Template	1.1.0	added	
		Software Component Template	3.4.0	added	
		System Template	3.4.0	added	
		Model Persistence Rules for XML	2.2.1	added	
		Generic Structure Template	2.2.0	added	
		Meta Model	3.5.0	added	
		Meta Model-generated XML Schema	3.5.0	added	
		Template UML Profile and Modeling Guide	2.2.2	added	
		Requirements on ECU Configuration	1.1.4	added	
		Specification of ECU Configuration	2.3.0	added	
		Requirements on Basic Software Module Description Template	1.0.2	added	
		Basic Software Module Description Template	1.2.1	added	
		Methodology	1.2.2	added	
		Requirements on System	2.2.0	added	

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		Template			
		Specification of CAN State Manager	1.3.0	added	
		Specification of FlexRay State Manager	1.2.0	added	
		Specification of LIN State Manager	1.2.0	added	
		AUTOSAR BSW & RTE Conformance Test Specification Part 1: Background	1.0.2	added	
		AUTOSAR BSW & RTE Conformance Test Specification Part 2: Process Overview	1.0.2	added	
		AUTOSAR BSW & RTE Conformance Test Specification Part 3: Creation & Validation	1.0.2	added	
		AUTOSAR BSW & RTE Conformance Test Specification Part 4: Execution Constraints	1.0.2	added	
		Requirements on SW-C and System Modeling	1.0.2	added	
		Explanation of Application Interfaces of the Body and Comfort Domain	1.0.2	added	
		Explanation of Application Interfaces of the Powertrain Domain	1.0.2	added	
		Explanation of Application Interfaces of the Chassis Domain	1.0.2	added	
		Specification of ECU Configuration Parameters (XML)	2.5.0	added	
		Template for Conformance Test Specification Documents	1.0.2	added	
		Explanation of Interrupt Handling within AUTOSAR	1.0.2	added	
		Integrated Master Table of Application Interfaces (XML Schema R3.0)	1.0.5	added	
		Specification of Basic Software Mode Manager	2.0.0	added	
		Requirements on Libraries	1.1.0	added	
		Integrated Master Table of Application Interfaces (XML Schema R2.0)	1.0.2	added	
		Integrated Master Table of Application Interfaces (XML Schema R2.1)	1.0.2	added	
		Specification of SW-C End-to-	1.2.0	added	

Date	Revision	Document		Description	
		Name	Versio n	State	
		End Communication Protection Library			
		Specification of FlexRay ISO Transport Layer	1.0.0	added	