Document Title	Release 2.1 Overview and Revision History
Document Owner	AUTOSAR
Document Responsibility	AUTOSAR
Document Identification No	000
Document Classification	Auxiliary

Document Version	1.6
Document Status	Final
Part of Release	2.1
Revision	0020
Release Status	Obsolete

Table of Contents

1 Scope of this Document

This document provides an overview of the complement of AUTOSAR deliverables comprising the Release 2.1 in its latest Revision 0020. Further a history is provided aimed to identify the changes between the individual Revisions within Release 2.1.

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 understanding the content of this document and the Release 2.1.

Chapter 4 states the Release's 2.1 validity status and contains the overview of deliverables comprising the Release 2.1 in its latest Revision 0020. This chapter is structured according to the clusters being in use in AUTOSAR Release 2.1.
Chapter 5 contains the detailed Revision History.

1.3 Remarks to Release Notes

Where necessary, Release Notes are provided in every affected deliverable itself in cases of known limitations, compatibility issues and/or errata. As an indicator in this document, one can assume that for deliverables not featuring the status "final", Release Notes are provided.

2 Related Documentation

[1] AUTOSAR Glossary
AUTOSAR_Glossary.pdf

[2] AUTOSAR Technical Overview
AUTOSAR_TechnicalOverview.pdf

[3] Requirements on Standard Maintenance
AUTOSAR_RS_StandardMaintenance.pdf

[4] Definition of Release Management Process
AUTOSAR_DS_ReleaseManagementProcess.pdf

[5] Definition of Change Management Process
AUTOSAR_DS_ChangeManagementProcess.pdf

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. Refering to [4], 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 four-digit Revision Number was first time introduced with this 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 deliverables) of a given release,
2) As depicted in every deliverable, precisely identify a given deliverable (with its unique name and three-digit version ID) as being part of the release (here: Release 2.1)

Item 1) addresses the fact that the set of deliverables 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 deliverables 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 deliverable a unique identifier is provided upon which revision a) a deliverable was either 1st time added to/removed from a release or b) a deliverable 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) “deliverable was (1st time) added to the Release x.y

Rev nnnn" or b) as "deliverable was modified as part of Release x.y Rev mmmm", with mmmm > nnnn.

Conversely, the revision number will only change for deliverables subject to addition or modification of a valid release (baseline). After their 1st time addition to the release (baseline), it will not change for deliverables 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 deliverable's release version, i.e. it will not be applied to working versions.

3.3 Release Validity Status

According to the Release Management Process Definition [4], each release (baseline) can enter one of the three 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, the procedures of which are defined by a Change Management Process Definition [5].
3. OBSOLETE: a release preceding the VALID and/or CURRENT release for which, however, no Standard Maintenance is provided anymore.

3.4 Standard Specifications

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 2.1, Standard Specifications are stored at the following URL:
https://svn3.autosar.org/repos2/work/22_Releases/21_Release2.1/01_Standard

3.5 Auxiliary Material

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 2.1, Auxiliary Material are stored at the following URL:
https://svn3.autosar.org/repos2/work/22_Releases/21_Release2.1/02_Auxiliary

3.6 Main Documents

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

3.7 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.

3.8 Methodology and Templates

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

3.9 Functional Interfaces

Documents belonging to this release cluster provide specifications of interfaces between functions.

3.10 Other Documents

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

3.11 Document status “Final”

Deliverables to which the status “final” was assigned received both the planned amount of modifications (either as part of the current or a preceding release) and the related approvals by the AUTOSAR Core Partners.

3.12 Document status “Draft”

For deliverables to which the status “draft” was assigned either only parts of the planned modifications were undertaken and/or the necessary steps to finalize a document are not yet in place.

In case one has to expect limitations resulting from the application of pre-release documents, release notes are provided.

4 Release 2.1 – Document Overview

4.1 Release Validity Information

According to the Release Management Process Definition [4], this Release 2.1 in its latest Revision 0020 has the validity status OBSOLETE.

4.2 Cluster: Main Documents

As of the latest Revision 0020, the following Main Documents are part of Release 2.1:

Deliverable	***Classification***	***Version***	***Status***	***File Name***
Glossary	Aux	2.1.1	Final	AUTOSAR_Glossary
Methodology	Aux	1.1.0	Draft	AUTOSAR_Methodology
Technical Overview	Aux	2.1.0	Draft	AUTOSAR_TechnicalOverview
Main Requirements	Std	2.0.2	Final	AUTOSAR_MainRequirements
AUTOSAR Services	Aux	1.0.0	Draft	AUTOSAR_Services

4.3 Cluster: Basic Software Architecture and Runtime Environment

As of the latest Revision 0020, the following Basic Software and Runtime Environment documents are part of Release 2.1:

Deliverable	***Classification***	***Version***	***Status***	***File Name***
General Requirements on Basic Software Modules	Std	2.1.0	Final	AUTOSAR_SRS_General
Modeling Guideline of Basic Software EA UML Model	Aux	1.1.1	Final	AUTOSAR_BSW_EA_UML_ModelingGuideline
Basic Software UML Model	Aux	1.1.0	Draft	AUTOSAR_BSW_UML_Model.eap
Specification of Communication Stack Types	Std	2.1.1	Final	AUTOSAR_SWS_ComStackTypes
Specification of Compiler Abstraction	Std	1.1.0	Draft	AUTOSAR_SWS_CompilerAbstraction
Specification of Memory Mapping	Std	1.1.0	Final	AUTOSAR_SWS_MemoryMapping
Layered Software Architecture	Std	2.1.0	Draft	AUTOSAR_LayeredSoftwareArchitecture
List of Basic Software Modules	Std	1.1.0	Draft	AUTOSAR_BasicSoftwareModules
Specification of C Implementation Rules	Aux	1.0.2	Final	AUTOSAR_SWS_C_ImplementationRules
Specification of Development Error Tracer	Std	2.1.0	Final	AUTOSAR_SWS_DevelopmentErrorTracer
Specification of a BSW Scheduler	Std	1.0.1	Final	AUTOSAR_SWS_Scheduler.doc
Requirements on a Free Running	Aux	1.0.1	Final	AUTOSAR_SRS_FreeRunning

Deliverable	*Classifi-cation*	*Version*	*Status*	*File Name*
Timer				Timer
Specification of Platform Types	Std	2.1.0	Draft	AUTOSAR_SWS_PlatformTypes
Specification of Standard Types	Std	1.1.1	Final	AUTOSAR_SWS_StandardTypes
Requirements on RTE	Aux	1.1.1	Final	AUTOSAR_SRS_RTE
Specification of RTE	Std	1.2.0	Final	AUTOSAR_SWS_RTE
Requirements on CAN	Aux	2.1.2	Final	AUTOSAR_SRS_CAN
Requirements on LIN	Aux	1.1.1	Final	AUTOSAR_SRS_LIN
Specification of CAN Driver	Std	2.2.0	Draft	AUTOSAR_SWS_CAN_Driver
Specification of CAN Interface	Std	2.2.0	Draft	AUTOSAR_SWS_CAN_Interface
Specification of CAN Transceiver Driver	Std	1.1.0	Draft	AUTOSAR_SWS_CAN_TransceiverDriver
Specification of CAN Transport Layer	Std	2.2.0	Final	AUTOSAR_SWS_CAN_TP
Specification of LIN Driver	Std	1.1.0	Draft	AUTOSAR_SWS_LIN_Driver
Specification of LIN Interface	Std	1.1.0	Draft	AUTOSAR_SWS_LIN_Interface
Requirements on Communication	Aux	2.1.0	Final	AUTOSAR_SRS_COM
Specification of Communication	Std	2.3.0	Final	AUTOSAR_SWS_COM
Requirements on IPDU Multiplexer	Aux	1.0.2	Final	AUTOSAR_SRS_IPDUM
Specification of Basic Software Module IPDUM	Std	1.2.0	Final	AUTOSAR_SWS_IPDUM
Requirements on Network Management	Aux	2.0.1	Final	AUTOSAR_SRS_NM
Specification of Generic Network Management Interface	Std	1.0.0	Draft	AUTOSAR_SWS_NMInterface
Specification of CAN Generic Network Management	Std	2.0.0	Draft	AUTOSAR_SWS_CAN_Generic_NM
Specification of CAN Network Management	Std	2.0.0	Draft	AUTOSAR_SWS_CAN_NM
Specification of FlexRay Network Management	Std	2.0.0	Draft	AUTOSAR_SWS_FlexRay_NM
Requirements on Diagnostic	Aux	2.0.2	Final	AUTOSAR_SRS_Diagnostic
Requirements on Function Inhibition Manager	Aux	1.0.2	Final	AUTOSAR_SRS_FIM
Specification of Diagnostic Communication Manager	Std	2.1.1	Final	AUTOSAR_SWS_DCM
Specification of Diagnostics Event Manager	Std	2.2.0	Final	AUTOSAR_SWS_DEM
Specification of Function Inhibition Manager	Std	1.1.1.	Final	AUTOSAR_SWS_FIM
Requirements on FlexRay	Aux	'2.0.2	Final	AUTOSAR_SRS_FlexRay
Specification of FlexRay Driver	Std	2.2.0	Draft	AUTOSAR_SWS_FlexRay_Driver
Specification of FlexRay Transceiver Driver	Std	1.1.0	Draft	AUTOSAR_SWS_FlexRay_TransceiverDriver
Specification of FlexRay Transport Layer	Std	2.1.1	Final	AUTOSAR_SWS_Flexray_TP
Specification of FlexRay Interface	Std	2.3.0	Draft	AUTOSAR_SWS_FlexRay_Interface
Requirements on Gateway	Aux	2.0.2	Final	AUTOSAR_SRS_Gateway
Specification of PDU Router	Std	2.1.5	Draft	AUTOSAR_SWS_PDU_Router
Requirements on Memory	Aux	2.1.0	Final	AUTOSAR_SRS_MemoryServi

Deliverable	*Classifi-cation*	*Version*	*Status*	*File Name*
Services				ces
Specification of NVRAM Manager	Std	2.2.0	Final	AUTOSAR_SWS_NVRAMManager
Specification of CRC Routines	Std	2.1.1	Final	AUTOSAR_SWS_CRC_Routines
Requirements on Mode Management	Aux	0.53	Draft	AUTOSAR_SRS_ModeManagement
Specification of Communication Manager	Std	1.1.0	Draft	AUTOSAR_SWS_ComManager
Specification of ECU State Manager	Std	1.1.0	Draft	AUTOSAR_SWS_ECU_StateManager
Specification of Watchdog Manager	Std	1.1.0	Draft	AUTOSAR_SWS_WatchdogManager
Requirements on Operating System	Aux	2.0.2	Final	AUTOSAR_SRS_OS
Specification of Operating System	Std	2.1.0	Draft	AUTOSAR_SWS_OS
Requirements on I/O Hardware Abstraction	Aux	1.0.2	Final	AUTOSAR_SRS_IOHW_Abstraction
Requirements on ADC	Aux	2.1.1	Final	AUTOSAR_SRS_ADC_Driver
Requirements on ICU Driver	Aux	2.0.2	Final	AUTOSAR_SRS_ICU_Driver
Requirements on PWM Driver	Aux	2.1.0	Final	AUTOSAR_SRS_PWM_Driver
Requirements on RAM Test	Aux	1.1.1	Final	AUTOSAR_SRS_RAM_Test
Requirements on Memory Hardware Abstraction Layer	Aux	1.0.2	Final	AUTOSAR_SRS_MemHW_AbstractionLayer
Requirements on SPI Handler/Driver	Aux	2.0.2	Final	AUTOSAR_SRS_SPI_HandlerDriver
General Requirements on SPAL	Aux	2.1.0	Final	AUTOSAR_SRS_SPAL_General
Specification of ADC Driver	Std	2.1.1	Final	AUTOSAR_SWS_ADC_Driver
Specification of Flash EEPROM Emulation	Std	1.1.0	Draft	AUTOSAR_SWS_Flash_EEPROM_Emulation
Specification of I/O Hardware Abstraction	Std	1.1.1	Draft	AUTOSAR_SWS_IOHW_Abstraction
Specification of ICU driver	Std	2.1.0	Draft	AUTOSAR_SWS_ICU_Driver
Specification of PWM Driver	Std	2.1.0	Final	AUTOSAR_SWS_PWM_Driver
Specification of RAM Test	Std	1.1.1	Final	AUTOSAR_SWS_RAM_Test
Specification of SPI Handler/Driver	Std	2.1.0	Draft	AUTOSAR_SWS_SPI_HandlerDriver
Requirements on Flash Driver	Aux	2.0.2	Final	AUTOSAR_SRS_FlashDriver
Specification of Flash Driver	Std	2.1.0	Draft	AUTOSAR_SWS_Flash_Driver
Requirements on Watchdog Driver	Aux	2.0.2	Final	AUTOSAR_SRS_WatchdogDriver
Specification of Watchdog Driver	Std	2.1.0	Draft	AUTOSAR_SWS_WatchdogDriver
Specification of Watchdog Interface	Std	2.1.0	Draft	AUTOSAR_SWS_Watchdog_Interface
Specification of Memory Abstraction Interface	Std	1.1.0	Draft	AUTOSAR_SWS_Mem_AbstractionInterface
Specification of EEPROM Abstraction	Std	1.1.0	Draft	AUTOSAR_SWS_EEPROM_Abstraction
Requirements on GPT Driver	Aux	2.0.1	Final	AUTOSAR_SRS_GPT_Driver
Specification of GPT Driver	Std	2.1.0	Draft	AUTOSAR_SWS_GPT_Driver
Requirements on EEPROM Driver	Aux	2.0.2	Final	AUTOSAR_SRS_EEPROM_Driver
Specification of EEPROM Driver	Std	2.1.0	Draft	AUTOSAR_SWS_EEPROM_Dr

Deliverable	Classification	Version	Status	File Name
				iver
Requirements on DIO Driver	Aux	2.0.2	Final	AUTOSAR_SRS_DIO_Driver
Specification of DIO Driver	Std	2.1.0	Final	AUTOSAR_SWS_DIO_Driver
Requirements on PORT Driver	Aux	2.0.2	Final	AUTOSAR_SRS_PORT_Driver
Specification of PORT Driver	Std	2.1.0	Draft	AUTOSAR_SWS_PORT_Driver
Requirements on MCU Driver	Aux	2.0.2	Final	AUTOSAR_SRS_MCU_Driver
Specification of MCU Driver	Std	2.2.0	Draft	AUTOSAR_SWS_MCU_Driver

4.4 Cluster: Methodology and Templates

As of the latest Revision 0020, the following Methodology and Template documents are part of Release 2.1:

Deliverable	Classification	Version	Status	File Name
Requirements on Basic Software Module Description Template	Aux	1.0.0	Draft	AUTOSAR_RS_BSWModuleDescription
Requirements on ECU Configuration	Std	1.1.1	Final	AUTOSAR_RS_ECU_Configuration
Specification of ECU Configuration	Std	1.1.1	Final	AUTOSAR_ECU_Configuration
Specification of ECU Configuration Parameters	Std	1.2.0	Draft	AUTOSAR_ECU_ConfigurationParameters
Template UML Profile and Modeling Guide	Aux	2.0.3	Final	AUTOSAR_TemplateModelingGuide
Model Persistence Rules for XML	Std	2.1.1	Final	AUTOSAR_ModelPersistenceRulesXML
Meta Model	Aux	2.1.5	Draft	AUTOSAR_MetaModel.eap
Meta Model-generated XML Schema	Std	2.1.5	Draft	autosar.xsd
Template Modeling Patterns	Aux	2.0.1	Draft	AUTOSAR_Common_Modeling_Patterns
Software Component Template	Std	2.2.0	Draft	AUTOSAR_SoftwareComponentTemplate
Requirements on Software Component Template	Aux	1.0.2	Final	AUTOSAR_RS_SoftwareComponentTemplate
Requirements on System Template	Aux	2.0.0	Draft	AUTOSAR_RS_SystemTemplate
System Template	Std	2.0.0	Draft	AUTOSAR_SystemTemplate
Requirements on Feature Definition of Authoring Tools	Aux	1.0.2	Final	AUTOSAR_RS_FeatureDefinition
Specification of Feature Definition of Authoring Tools	Aux	1.0.2	Final	AUTOSAR_FeatureDefinition
Requirements on Graphical Notation	Aux	1.0.2	Final	AUTOSAR_RS_GraphicalNotation
Specification of Graphical Notation	Aux	1.0.3	Final	AUTOSAR_GraphicalNotation
Requirements on Interaction with Behavioral Models	Aux	1.0.2	Final	AUTOSAR_RS_InteractionBehavioralModels
Specification of Interaction with Behavioral Models	Aux	1.0.2	Final	AUTOSAR_InteractionBehavioralModels
Requirements on Interoperability	Aux	1.0.2	Final	AUTOSAR_RS_Interoperabilit

Deliverable	*Classification*	*Version*	*Status*	*File Name*
of Authoring Tools				yAuthoringTools
Specification of Interoperability of Authoring Tools	Aux	1.2.0	Draft	AUTOSAR_InteroperabilityAuthoringTools
Applying Simulink to AUTOSAR	Aux	1.0.3	Final	AUTOSAR_SimulinkStyleguide
UML Profile for AUTOSAR	Aux	1.1.1	Final	AUTOSAR_UML_Profil
Applying ASCET to AUTOSAR	Aux	1.0.1	Final	AUTOSAR_AscetStyleguide
ECU Resource Template	Std	1.0.1	Draft	AUTOSAR_ResourceTemplateECU.pdf
Specification of ECU Configuration Parameters (XML)	Std	1.2.0	Draft	AUTOSAR_EcucParamDef.arxml

4.5 Cluster: Functional Interfaces

As of the latest Revision 0020, the following Functional Interfaces documents are part of Release 2.1:

Deliverable	*Classification*	*Version*	*Status*	*File Name*
Standardization of Interior Light Application Interfaces	Std	1.0.1	Final	AUTOSAR_InteriorLight_ApplicationInterfaces
Standardization of Central Locking Application Interfaces	Std	1.0.1	Final	AUTOSAR_CentralLocking_ApplicationInterfaces
Standardization of Mirror Adjustment and Tinting Application Interfaces	Std	1.0.1	Final	AUTOSAR_MirrowAdjustment+Tinting_ApplicationInterfaces

4.6 Cluster: Other Documents

As of the latest Revision 0020, the following other documents are part of Release 2.1:

Deliverable	*Classification*	*Version*	*Status*	*File Name*
Requirements on Standard Maintenance	Aux	1.0.0	Draft	AUTOSAR_RS_StandardMaintenance
Conformance Test Process Definition Path A-C	Std	1.0.0	Final	AUTOSAR_DS_CT Path A-C
Requirements for CTA Accreditation Bodies	Std	1.0.0	Final	AUTOSAR_DS_AccreditationBodyRequirements
Conformance Test Agency Accreditation	Std	1.0.0	Final	AUTOSAR_DS_Accreditation.doc
Definition of Change Management Process	Std	1.0.0	Draft	AUTOSAR_DS_ChangeManagementProcess
Definition of Release Management Process	Std	1.0.0	Draft	AUTOSAR_DS_ReleaseManagementProcess
Conformance Test Process Definition Path D	Std	1.0.0	Final	AUTOSAR_DS_CT Path D

5 Revision History of the Release 2.1

Date	Revision	Deliverable Name	Version	State	Description
15-Jun-2010	0020	Basic Software UML Model	1.1.0	modified	• correction of Dem_DTCGroupType according to UDS specification (ISO 14229-1) • Added const to config pointer in IpduM_Init • Added CAN115 to Chapter 7.6 L-PDU reception • Provide the Cycle length in nanoseconds directly to avoid systematic rounding error • Legal disclaimer revised
		Specification of RTE	1.2.0	modified	• Unconnected R-Ports are supported: changed rte sws 1329, rte sws 3019; added rte sws 1330, rte sws 1331, rte sws 1333, rte sws 1334, rte sws 1336, rte sws 1337, rte sws 1346, rte sws 2638, rte sws 2639, rte sws 2640, rte sws 3785, rte sws 5099, rte sws 5100 • Insufficient RTE server mapping requirement:changed rte sws 2204. • Behavior in name clashes of AUTOSAR types PIM types: added rte sws 5195, changed rte sws 3789, rte sws 3782. • Legal disclaimer revised
		Specification of CAN Driver	2.2.0	modified	• Add BSW00435 to chapter "6 Traceability Matrix" • Update file structure in chapter "5.2.2 Header File Structure" including header file SchM_Can.h • Add the SWS item "Can module shall include the header file SchM_Can.h in order to access the module sp • Added CAN115 to Chapter 7.6 L-PDU reception and added new configuration parameter “CanUnusedBitValue “ to Chapter 10.2.1.1 • Legal disclaimer revised
		Specification of CAN Interface	2.2.0	modified	• Adaptation to ISO15765-2 requirements • Legal disclaimer revised
		Specification of CAN Transport Layer	2.2.0	modified	• Adaptation to ISO15765-2 requirements • Legal disclaimer revised
		Specification of Communication	2.3.0	modified	• Updated COM222 of release 2.1 as COM222 in release 3.X/4.X with re-spect to the update-bit clearing • Tables were wrongly stating that Com_ReceiveShadowSignal should return COM_SERVICE_NOT_AVAILABLE • Figure 19 misses a link between the COM_SIGNAL_GROUP container and the COM_NOTIFICATION_ERROR container, Corrections to non-normative overview figure • Added the missing word "notifications" in COM053 • Rephrase COM287 to replace the

Date	Revision	Deliverable Name	Version	State	Description
					misleading term "normal signal indication" • Legal disclaimer revised
		Specification of Basic Software Module IPDUM	1.2.0	modified	• Added const to config pointer in IpduM_Init • Legal disclaimer revised
		Specification of Diagnostics Event Manager	2.2.0	modified	• Correction of Dem_DTCGroupType according to UDS specification (ISO 14229-1) • Legal disclaimer revised
		Specification of FlexRay Interface	2.3.0	modified	• Provide the Cycle length in nanoseconds directly to avoid systematic rounding error • If the Joblist Execution Function loses synchronization it has to be resynchronized with the next mainfunction call • Legal disclaimer revised
		Specification of NVRAM Manager	2.2.0	modified	• Updated NVM151, NVM243, NVM254 to avoid possible data loss during shutdown • Legal disclaimer revised
		Specification of MCU Driver	2.2.0	modified	• Reverted Mcu_InitClock() behaviour back to AUTOSAR v2.0, i.e. allow for multiplicity 1..* of MCU Clock setting • Legal disclaimer revised
		Specification of ECU Configuration Parameters	1.2.0	modified	• [Mcu] Allow multiplicity of sub-container Mcu Clock Setting • [Com] metamodel missing COM IPDU SIGNAL PROCESSING parameter • [Com] How can COM RX DATA INVALID work with COM SIGNAL GROUP? • [Can] Passing random values to the application • [Dcm] correction for DcmDslROETransType • Legal disclaimer revised
		Meta Model	2.1.5	modified	• Corrected modelling so that XML schema contains the correct instanceRefs from CalprmAccess to DataElementPrototype • Added missing InstanceRef from ModeSwitchComSpec to ModeDeclarationGropuPrototype • Legal disclaimer revised
		Meta Model-generated XML Schema	2.1.5	modified	• See Meta-Model
		Software Component Template	2.2.0	modified	• Added missing InstanceRef from ModeSwitchComSpec to ModeDeclarationGropuPrototype • Legal disclaimer revised
		Specification of Interoperability of Authoring Tools	1.2.0	modified	• Refined description of semantics of identifier w.r.t. lower/upper case • Legal disclaimer revised
		Specification of ECU Configuration Parameters (XML)	1.2.0	modified	• See Specification of ECU Configuration Parameters
06-May-	0019	Specification of Communication	2.2.0	modified	8 Byte I-PDU length limitation for FlexRay removed

Date	Revision	Deliverable Name	Version	State	Description
2008		Specification of FlexRay Interface	2.2.0	modified	
		Specification of FlexRay Driver	2.2.0	modified	
		Specification of ECU Configuration Parameters (XML)	1.1.3	modified	Changed to adopt XML namespace as of R2.1 Rev 0018
07-Feb-2008	0018	Specification of CAN Driver	2.1.5	moified	Baud rate restriction removed
		Specification of PDU Router	2.1.5	modified	Mimimum routing now optional.
		Specification of FlexRay Interface	2.1.0	modified	Harmonization improved to Communication Manager and FlexRay Driver
		Template UML Profile and Modeling Guide	2.0.3	modified	File logistics: According to user feedback, incorrect file replaced with correct R2.1 candidate.
		Meta Model	2.1.4	modified	PDU and Gateway Signals fixed
		Meta Model-generated XML Schema	2.1.4	modified	PDU and Gateway Signals fixed, typo in line 13277 fixed.
10-Aug-2007	0017	Meta Model	2.1.1	modified	New ECU Configuration with corrected instanceRefs.
		Meta Model-generated XML Schema	2.1.3	modified	Derived from Meta Model v2.1.1.
		Specification of ECU Configuration Parameters (XML)	1.1.2	modified	Changed to adopt new XML namespace.
02-Jul-2007	0016	Meta Model-generated XML Schema	2.1.2	modified	Correction in Header: Name space attribute set to 2.1.0
		Specification of ECU Configuration Parameters (XML)	1.1.1	modified	File logistics: 1) File extension changed to *.arxml. 2) According to user feedback, incorrect file replaced with correct R2.1 version.
15-Feb-2007	0015	Specification of Flash EEPROM Emulation	1.1.0	added	
		Specification of I/O Hardware Abstraction	1.1.1	modified	Various images corrected in PDF version (printing problems resolved)
		Specification of Flash Driver	2.1.0	added	
		Specification of Memory Abstraction Interface	1.1.0	added	
		Specification of EEPROM Abstraction	1.1.0	added	
		Meta Model-generated XML Schema	2.1.1	modified	Release number added in document header
		Specification of ECU Configuration Parameters (XML)	1.1.0	added	
09-Feb-	0014	General	2.1.0	added	

Date	Revision	Deliverable Name	Version	State	Description
2007		Requirements on Basic Software Modules			
		Modeling Guideline of Basic Software EA UML Model	1.1.1	modified	Common to all modified Documents for Rev 0014: - Advice to users revised - Release and Revision Version added into Deliverable Information
		Basic Software UML Model	1.0.0	added	
		Specification of Communication Stack Types	2.1.1	modified	
		Specification of Compiler Abstraction	1.1.0	added	
		Specification of Memory Mapping	1.1.0	added	
		Layered Software Architecture	2.1.0	added	
		List of Basic Software Modules	1.1.0	added	
		Specification of C Implementation Rules	1.0.2	modified	
		Specification of Development Error Tracer	2.1.0	added	
		Specification of a BSW Scheduler	1.0.1	modified	
		Requirements on a Free Running Timer	1.0.1	modified	
		Specification of Platform Types	2.1.0	added	
		Specification of Standard Types	1.1.1	modified	
		Requirements on RTE	1.1.1	modified	
		Specification of RTE	1.1.1	added	
		Requirements on CAN	2.1.2	modified	
		Requirements on LIN	1.1.1	modified	
		Specification of CAN Driver	2.1.0	added	
		Specification of CAN Interface	2.1.0	added	
		Specification of CAN Transceiver Driver	1.1.0	added	
		Specification of CAN Transport Layer	2.1.1	modified	
		Specification of LIN Driver	1.1.0	added	
		Specification of LIN Interface	1.1.0	added	
		Requirements on	2.1.0	added	

Date	Revision	Deliverable Name	Version	State	Description
		Communication			
		Specification of Communication	2.1.0	added	
		Requirements on IPDU Multiplexer	1.0.2	modified	
		Specification of Basic Software Module IPDUM	1.1.0	added	
		Requirements on Network Management	2.0.1	modified	
		Specification of Generic Network Management Interface	1.0.0	added	
		Specification of CAN Generic Network Management	2.0.0	added	
		Specification of CAN Network Management	2.0.0	added	
		Specification of FlexRay Network Management	2.0.0	added	
		Requirements on Diagnostic	2.0.2	modified	
		Requirements on Function Inhibition Manager	1.0.2	modified	
		Specification of Diagnostic Communication Manager	2.1.1	modified	
		Specification of Diagnostics Event Manager	2.1.1	modified	
		Specification of Function Inhibition Manager	1.1.1.	modified	
		Requirements on FlexRay	'2.0.2	modified	
		Specification of FlexRay Driver	2.1.0	added	
		Specification of FlexRay Transceiver Driver	1.1.0	added	
		Specification of FlexRay Transport Layer	2.1.1	modified	
		Specification of FlexRay Interface	2.0.1	added	
		Requirements on Gateway	2.0.2	modified	
		Specification of PDU Router	2.1.0	added	
		Requirements on	2.1.0	added	

Date	Revision	Deliverable Name	Version	State	Description
		Memory Services			
		Specification of NVRAM Manager	2.1.0	added	
		Specification of CRC Routines	2.1.1	modified	
		Requirements on Mode Management	0.53	added	
		Specification of Communication Manager	1.1.0	added	
		Specification of ECU State Manager	1.1.0	added	
		Specification of Watchdog Manager	1.1.0	added	
		Requirements on Operating System	2.0.2	modified	
		Specification of Operating System	2.1.0	added	
		Requirements on I/O Hardware Abstraction	1.0.2	modified	
		Requirements on ADC	2.1.1	modified	
		Requirements on ICU Driver	2.0.2	modified	
		Requirements on PWM Driver	2.1.0	added	
		Requirements on RAM Test	1.1.1	modified	
		Requirements on Memory Hardware Abstraction Layer	1.0.2	modified	
		Requirements on SPI Handler/Driver	2.0.2	modified	
		General Requirements on SPAL	2.1.0	added	
		Specification of ADC Driver	2.1.1	modified	
		Specification of I/O Hardware Abstraction	1.1.0	added	
		Specification of ICU driver	2.1.0	added	
		Specification of PWM Driver	2.1.0	added	
		Specification of RAM Test	1.1.1	modified	
		Specification of SPI Handler/Driver	2.1.0	added	
		Requirements on Flash Driver	2.0.2	modified	
		Requirements on Watchdog Driver	2.0.2	modified	
		Specification of Watchdog Driver	2.1.0	added	

Date	Revision	Deliverable Name	Version	State	Description
		Specification of Watchdog Interface	2.1.0	added	
		Requirements on GPT Driver	2.0.1	added	
		Specification of GPT Driver	2.1.0	added	
		Requirements on EEPROM Driver	2.0.2	modified	
		Specification of EEPROM Driver	2.1.0	added	
		Requirements on DIO Driver	2.0.2	modified	
		Specification of DIO Driver	2.1.0	added	
		Requirements on PORT Driver	2.0.2	modified	
		Specification of PORT Driver	2.1.0	added	
		Requirements on MCU Driver	2.0.2	modified	
		Specification of MCU Driver	2.1.0	added	
		Glossary	2.1.1	modified	
		Methodology	1.1.0	added	
		Technical Overview	2.1.0	added	
		Main Requirements	2.0.2	modified	
		AUTOSAR Services	1.0.0	added	
		Requirements on Basic Software Module Description Template	1.0.0	added	
		Requirements on ECU Configuration	1.1.1	modified	
		Specification of ECU Configuration	1.1.1	modified	
		Specification of ECU Configuration Parameters	1.1.0	added	
		Template UML Profile and Modeling Guide	2.0.2	modified	
		Model Persistence Rules for XML	2.1.1	modified	
		Meta Model	2.1.0	added	
		Meta Model-generated XML Schema	2.1.0	added	
		Template Modeling Patterns	2.0.1	added	
		Software Component Template	2.1.0	added	
		Requirements on Software Component Template	1.0.2	modified	

Date	Revision	Deliverable Name	Version	State	Description
		Requirements on System Template	2.0.0	added	
		System Template	2.0.0	added	
		Requirements on Feature Definition of Authoring Tools	1.0.2	modified	
		Specification of Feature Definition of Authoring Tools	1.0.2	modified	
		Requirements on Graphical Notation	1.0.2	modified	
		Specification of Graphical Notation	1.0.3	modified	
		Requirements on Interaction with Behavioral Models	1.0.2	modified	
		Specification of Interaction with Behavioral Models	1.0.2	modified	
		Requirements on Interoperability of Authoring Tools	1.0.2	modified	
		Specification of Interoperability of Authoring Tools	1.1.0	added	
		Applying Simulink to AUTOSAR	1.0.3	modified	
		UML Profile for AUTOSAR	1.1.1	modified	
		Applying ASCET to AUTOSAR	1.0.1	modified	
		Standardization of Interior Light Application Interfaces	1.0.1	modified	
		Standardization of Central Locking Application Interfaces	1.0.1	modified	
		Standardization of Mirror Adjustment and Tinting Application Interfaces	1.0.1	modified	
		Requirements on Standard Maintenance	1.0.0	added	
		Conformance Test Process Definition Path A-C	1.0.0	added	
		Requirements for CTA Accreditation Bodies	1.0.0	added	
		Conformance Test Agency Accreditation	1.0.0	added	

Date	Revision	Deliverable Name	Version	State	Description
		Definition of Change Management Process	1.0.0	added	
		Definition of Release Management Process	1.0.0	added	
		Conformance Test Process Definition Path D	1.0.0	added	
		ECU Resource Template	1.0.1	added	
22-Jan-2007	0013	Specification of Communication Stack Types	2.1.0	added	
15-Jan-2007	0012	Standardization of Mirror Adjustment and Tinting Application Interfaces	1.0.0	added	
22-Dec-2006	0011	Specification of Feature Definition	1.0.1	added	
22-Dec-2006	0010	Applying ASCET to AUTOSAR	1.0.0	added	
		UML Profile for AUTOSAR	1.1.0	added	
19-Dec-2006	0009	Requirement on Flash Driver	2.0.1	added	
19-Dec-2006	0008	Specification of ADC Driver	2.1.0	added	
		Specification of CAN Transport Layer	2.1.0	added	
		Specification of DEM	2.1.0	added	
19-Dec-2006	0007	Specification of RAM Test	1.1.0	added	
18-Dec-2006	0006	Model Persistence Rules for XML	2.1.0	added	
		Specification of BSW Scheduler	1.0.0	added	
		Specification of CRC Routines	2.1.0	added	
		Specification of DCM	2.1.0	added	
		Specification of ECU Configuration	1.1.0	added	
		Specification of FIM	1.1.0	added	
		Specification of FlexRay Transport Layer	2.1.0	added	
18-Dec-2006	0005	AUTOSAR Glossary	2.1.0	added	
		Modeling Guidelines of Basic Software EA UML Model	1.1.0	added	
		Requirements on	2.1.0	added	

Date	Revision	Deliverable Name	Version	State	Description
		ADC			
		Requirements on CAN	2.1.1	Modified:	Corrections made to PDF file
		Requirements on ECU Configuration	1.1.0	added	
		Requirements on RAM Test	1.1.0	Re-added:	CP approval votes now complete
		Requirements on RTE	1.1.0	added	
		Specification of C Implementation Rules	1.0.1	added	
15-Dec-2006	0004	AUTOSAR Main Requirements	2.0.1	added	
		Requirement on CAN	2.1.0	added	
		Requirement on DIO Driver	2.0.1	added	
		Requirement on EEPROM Driver	2.0.1	added	
		Requirement on FlexRay	2.0.1	added	
		Requirement on Gateway	2.0.1	added	
		Requirement on LIN	1.1.0	added	
		Requirement on MCU Driver	2.0.1	added	
		Requirement on PORT Driver	2.0.1	added	
		Requirement on SPI Handler + Driver	2.0.1	added	
		Requirement on Watchdog	2.0.1	added	
		Requirements on a Free Running Timer	1.0.0	added	
		Requirements on Interoperability of Authoring Tools	1.0.1	added	
		Simulink Styleguide	1.0.2	added	
		Specification of Standard Types	1.1.0	added	
		Standardization of Central Locking Application Interfaces	1.0.0	added	
		Standardization of Interior Light Application Interfaces	1.0.0	added	
05-Dec-2006	0002	Specification of Graphical Notation	1.0.2	Modified:	Legal Disclaimer revised
04-Dec-2006	0002	Requirements on RAM Test	1.1.0	removed:	was mistakingly added as part of Rev 0001 without CP Approval votes being completed
		Template Modeling Patterns	2.0.2	Removed:	was mistakingly added as part of Rev 0001 without confirmed R2.1 modification status

Date	Revision	Deliverable Name	Version	State	Description
04-Dec-2006	0001	Requirements on Diagnostic	2.0.1	added	
		Requirements on Feature Definition of Authoring Tools	1.0.1	added	
		Requirements on Function Inhibition Manager	1.0.1	added	
		Requirements on Graphical Notation	1.0.1	added	
		Requirements on I/O Hardware Abstraction	1.0.1	added	
		Requirements on ICU Driver	2.0.1	added	
		Requirements on Interaction with Behavioral Models	1.0.1	added	
		Requirements on Interoperability of Authoring Tools	1.0.1	added	
		Requirements on I-PDU Multiplexer	1.0.1	added	
		Requirements on Memory Hardware Abstraction Layer	1.0.1	added	
		Requirements on Network Management	2.0.0	added	
		Requirements on Operating System	2.0.1	added	
		Requirements on RAM Test	1.1.0	added	
		Requirements on Software Component Template	1.0.1	added	
		Specification of Graphical Notation	1.0.1	added	
		Specification of Interaction with Behavioral Models	1.0.1	added	
		Specification of Interoperability of Authoring Tools	1.0.1	added	
		Template Modeling Guide	2.0.1	added	
		Template Modeling Patterns	2.0.2	added	