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## References

- [1] List of Basic Software Modules AUTOSAR TR BSWModuleList.pdf
- [2] Table of Application Interfaces AUTOSAR\_MOD\_AITable.pdf
- [3] Specification of ECU Configuration Parameters (XML) AUTOSAR MOD ECUConfigurationParameters.pdf
- [4] Standardization Template
  AUTOSAR\_TPS\_StandardizationTemplate.pdf
- [5] Generic Structure Template
  AUTOSAR\_TPS\_GenericStructureTemplate.pdf
- [6] Specification of Interoperability of AUTOSAR Tools AUTOSAR\_TR\_InteroperabilityOfAutosarTools.pdf



### 1 Introduction

This document describes various predefined names used in AUTOSAR models and documents. The main purpose of this document is to serve as an entry point to find names which are predefined in AUTOSAR beyond the following documents:

- [1] Basic software module list
- [2] Application interfaces
- [3] Ecu configuration parameters

Note that the definitions in this document are also available as AUTOSAR XML model. In this model, the predefined names are represented as Keywords according to [4]. They are represented as tables with the following colums:

shortName: a unique name for the abbreviation, taken from shortName of Keyword

**abbrName:** This is the reserved name itself according to [4]. Note that the name might be rendered with line breaks in order to fit into the table cell. The reserved name in this column never has a white space, so the line breaks shall be ignored.

**longName:** This is the longName for the reserved name (see [5] for details about longName).

**Classification, Description**: This is the list of keyword classifications as referenced e.g. by [TPS\_STDT\_0042] respectively [TPS\_GST\_0017]. In addition to this, desc of the keyword is shown as well in order to understand the purpose of the reserved name.



## 2 [VirtualModules] Virtual Modules

This keyword set defines virtual modules which take the role of module designators in naming conventions but do not exist as e.g. C-implementations.

**[TR\_PDN\_0001] Definition of Virtual Modules** [ This keyword set contains two keyword classifications:

- ModuleDesignator: The abbrName represents a valid module designator defined by AUTOSAR (see [TPS GST 017] in [5]).
- AUTOSAR-Document: The shortName represents a module name for the implementation of a specification provided by AUTOSAR (see [TR\_IOAT\_0069] in [6]).

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shortName	abbrName	longName	Classification, Description
AlSpecification	AlSpecification	XML Specification of Ap-	AUTOSAR-Document, ModuleDesig-
		plication Interfaces	nator
			This represents the Appplication
			Interfaces.
CompilerAbstrac-	Compiler	Compiler Abstraction	AUTOSAR-Document, ModuleDesig-
tion			nator
			This represents the Compiler Ab
			This represents the Compiler Abstraction
Comtype	Comtype	Communication Stack	ModuleDesignator
Comtype	Contrype	Types	WiodaleDesignator
		Туров	This represents the datatypes of
			the communication stack.
EcuC	EcuC	Ecu Configuration	ModuleDesignator
		-	
			EcuC is a pseudo module which
			defines parameters applicable to all
			other BSW modules.
PlatformTypes	Platform	Platform Types	AUTOSAR-Document, ModuleDesig-
			nator
			This decomment are siting the
			This document specifies the
			AUTOSAR platform types header file. It contains all platform dependent
			types and symbols. Those types must
			be abstracted in order to become
			platform and compiler independent.
			printer and compare macket action



shortName	abbrName	longName	Classification, Description
StandardTypes	Std	Standard Types	AUTOSAR-Document, ModuleDesignator
			This document specifies the AUTOSAR standard types header file. It contains all types that are used across several modules of the basic software and that are platform and compiler independent.

**Table 2.1: Virtual Modules** 

# 3 [InformationCategories] AUTOSAR Information Categories

This keyword set denotes abbreviations used e.g. in filenames respectively in trace tags.

[TR\_PDN\_0002] Definition of AUTOSAR Information Categories [ This keyword set contains the following keyword classifications:

- **DocumentCategory**: The keyword (abbrName) represents a valid category of a document provided by AUTOSAR (see [TPS\_STDT\_0050] in [4]).
- TraceCategory: The keyword (abbrName) represents a valid category of a traceable text within a document provided by AUTOSAR (see [TPS\_STDT\_0042] in [4]).
- InternalDocumentCategory: The keyword (abbrName) represents a valid category of a document internal to AUTOSAR which is not published but still follows the conventions.

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shortName	abbrName	longName	Classification, Description
CONC	CONC	Concept Document	DocumentCategory, TraceCategory
			Concept describing planned changes
			for the next minor or major release
CTCF	CTCF	Configuration Settings	DocumentCategory, TraceCategory
			Configuration settings for the execution of conformance Tests
CTSP	CTSP	Conformance Test Speci- fication	DocumentCategory, TraceCategory
			Test specification and scripts for the execution of conformance tests



shortName	abbrName	longName	Classification, Description
EXP	EXP	Explanation	DocumentCategory, TraceCategory
		, 	Explanatory material discussiong contents already shown in other documents
MMOD	MMOD	MetaModel	DocumentCategory, TraceCategory
			Modeled contents (a model or generated from a model) on meta level 2 (Meta-Model)
MOD	MOD	Model	DocumentCategory, TraceCategory
			Modeled contents (a model or generated from a model) on meta level 1 (Model)
PD	PD	Process Description	DocumentCategory, TraceCategory
			Description of process applied within AUTOSAR standardization activities
RS	RS	Requirement Specification	DocumentCategory, TraceCategory  Specification of requirements other
			than for software specifications
SRS	SRS	Software Requirement Specification	DocumentCategory, TraceCategory
			Specification of requirements for software specifications
SWS	SWS	Software Specification	DocumentCategory, TraceCategory
TDC	TDO	Tamalata On a ification	Specification of AUTOSAR Software
TPS	TPS	Template Specification	DocumentCategory, TraceCategory
			Specification of AUTOSAR Templates, containing Meta model information, constraints etc.
TR	TR	Technical Report	DocumentCategory, TraceCategory
			A general technical report describing arbitrary AUTOSAR related topics
UC	UC	Use Case Specification	TraceCategory
			Specification of use cases from which requirements are derived. Note that there are documents which maintain the use cases in their requirement spec. So this documentCategory may exist, even if it is not an own artifact.
ZAUX	ZAUX	Auxilary material	InternalDocumentCategory
			Auxillary files used internally for the creation of the standard. May be merged with ZSUPP.



shortName	abbrName	longName	Classification, Description
ZGEN	ZGEN	Generated intermediate material	InternalDocumentCategory
			Generated intermediate products which are maintained in the SCM system of AUTOSAR and used internally for the creation of the standard
ZSUPP	ZSUPP	Supplemental material	InternalDocumentCategory  Supplementary material used internally for the creation of the standard

**Table 3.1: AUTOSAR Information Categories** 

## 4 [DocumentAbbreviations] AUTOSAR Document Abbreviations for Trace Prefixes

These keywords represent the abbreviations to indicate documents e.g. in the requirements tags

**[TR\_PDN\_0003] Document Abbreviations for Trace Prefixes** [ This keyword set contains the keyword classifications:

• **DocumentAbbreviation**: The abbrName represents a valid document abbreviation in tracing tags (see [TPS\_STDT\_0042] in [5]).

Note that there are cases where one document uses more than one abbreviation (e.g. [SWMC, SWNR], [MCM, MCG, MCA]). There are also cases where one abbreviation is used across multiple documents (e.g. [BSW]).

shortName	abbrName	longName	Classification, Description
AlBodyAndCom-	AIBC	Application Interfaces	DocumentAbbreviation
fort		"Body and Comfort"	
			This document explains Application
			Interfaces for "Body and Comfort".
AlChassis	AICS	Application Interfaces	DocumentAbbreviation
		"Chassis"	
			This document explains Application
			Interfaces for "Chassis".
AIHMIMultimedia	AIHMI	Application Interfaces	DocumentAbbreviation
AndTelematics		"HMI Multimedia and	
		Telematics"	This document explains Applica-
			tion Interfaces for "HMI Multimedia
			And Telematics".
AlOccupantAnd	AIOPS	Application Interfaces	DocumentAbbreviation
PedestrianSafety		"Occupant and pedes-	
		trian Safety"	This document explains Application
			Interfaces for "Application Interface
			Occupant and pedestrian Safety".



abbrName	longName	Classification, Description
AIPT	Application Interfaces	DocumentAbbreviation
	"Powertrain"	
		This document document explains
ALTAD	A self-self-self-self-self-self-self-self-	Application Interfaces for "Powertrain".
AHAB		DocumentAbbreviation
	bie	This document represents the ta-
		ble of Application Interfaces.
AILIG	Application Interfaces	DocumentAbbreviation
71104		Boodinona lobroviation
		This document aims at explaining
		all relevant details about the Al Table.
BSW	Basic Software	DocumentAbbreviation
		This abbreviation represents the
		superset of all BSW software require-
		ment specifications. This means that
		this abbreviatino is used trhoughout all
RSWMDT	Rasic Software Module	Basic Software Specifications.  DocumentAbbreviation
D244IVID I		DocumentAbbreviation
	Description remplate	This document specifies how to
		describe a Basic Software
ECUC	Specification of ECU	DocumentAbbreviation
	Configuration	
		This document specifies the tech-
		nical details of the ECU configuration
ECUR		DocumentAbbreviation
	source Template	
		This specifies how to describe Re-
CST	Canaria Structura Tam	sources of an ECU DocumentAbbreviation
GST		DocumentAbbreviation
	plate	This specifies common aspects
		applicable to all templates.
IOAT	Interoperability of	
	AUTOSAR Tools	
		This document describes various as-
		pects of interoperability of AUTOSAR
		tools.
Main	-	DocumentAbbreviation
	ments	This does not do to
		This document specifies the
MCAI	Unique Names for Desu	AUTOSAR main requirements.  DocumentAbbreviation
IVIUAI	•	DocumentAppreviation
	1	This document discusses how to
	and Calibration: Modeling	This document discusses how to automatically generate display names
	1	This document discusses how to automatically generate display names for measurement, calibration and
	AITAB  AIUG  BSW  BSWMDT  ECUC  ECUR  GST	AIPT Application Interfaces "Powertrain"  AITAB Application Interface Table  AIUG Application Interfaces User Guide  BSW Basic Software  BSWMDT Basic Software Module Description Template  ECUC Specification of ECU Configuration  ECUR Specification of ECU Resource Template  GST Generic Structure Template  IOAT Interoperability of AUTOSAR Tools  Main AUTOSAR Main Requirements



shortName	abbrName	longName	Classification, Description
AlMeasurement	MCA	Assumptions in Unique	DocumentAbbreviation
Calibration		Names for Documenta-	
Diagnos-		tion, Measurement and	This keyword reflects the assump-
tics_Assumptions		Calibration: Modeling and Naming Aspects including	tions how to automatically generate display names for measurement, cal-
		Automatic Generation	ibration and diagnostic tools (MCD).
			The keyword is used for document
			internal tracing
AlMeasurement	MCG	Generation Rules in	DocumentAbbreviation
Calibration Diagnos-		Unique Names for Documentation, Measurement	This knowward reflects the generation
tics_Generation		and Calibration: Modeling	This keyword reflects the generation rules how to automatically generate
Rules		and Naming Aspects	display names for measurement, cal-
		including Automatic	ibration and diagnostic tools (MCD).
		Generation	The keyword is used for document
Albana	14014	Madal's Disa's Ha's	internal tracing.
AlMeasurement CalibrationDiag-	MCM	Modeling Rules in Unique Names for Documenta-	DocumentAbbreviation
nostics Modeling		tion, Measurement and	This keyword reflects the model-
Rules		Calibration: Modeling and	ing rules of how to automatically
		Naming Aspects including	generate display names for mea-
		Automatic Generation	surement, calibration and diagnostic
			tools (MCD). The keyword is used for document internal tracing.
AlMeasurement	MCR	Requirements in Unique	DocumentAbbreviation
Calibration		Names for Documenta-	
Diagnos-		tion, Measurement and	This keyword reflects the requirments
tics_Requirements		Calibration: Modeling and	of how to automatically generate
		Naming Aspects including Automatic Generation	display names for measurement, calibration and diagnostic tools (MCD).
		Automatic Generation	The keyword is used for document
			internal tracing.
Methodology	METH	AUTOSAR Methodology	DocumentAbbreviation
			This describes the AUTOSAR Methodolgy
MPST	MPST	AUTOSAR Model Persis-	DocumentAbbreviation
		tence Rules for XML	
			This document specifies how the
			AUTOSAR XML schema is derived
PredefinedNames	PDN	AUTOSAR Predefined	from the MetaModel  DocumentAbbreviation
Freueimeunames	LDIN	Names	DocumentAppreviation
			This document describes various
			predefined names used in AUTOSAR.
ProjectObjectives	PO	AUTOSAR Project Objec-	DocumentAbbreviation
		tives	This document specifies the
			This document specifies the AUTOSAR Project Objectives.
RTE	RTE	Runtime Environment	DocumentAbbreviation
			This document specifies the
			AUTOSAR Runtime Environment.



shortName	abbrName	longName	Classification, Description
SoftwareCompo-	SWCT	Software Component	DocumentAbbreviation
nentTemplate		Template	
			This document specifies how to
OMOM - I - I'	014/140	OW O and O along Market	describe Software Components.
SWCModeling Guide	SWMG	SW-C and System Model-	DocumentAbbreviation
Guide		ing Guide	This document gives guidelines and
			conventions on using the AUTOSAR
			model elements in order to build
			AUTOSAR systems.
SWCModeling	SWNR	Naming Rules in SW-	DocumentAbbreviation
Guide_Naming		C and System Modeling	
Rules		Guide	This document gives guidelines and
			conventions, in particular the naming
			rules on using the AUTOSAR model
			elements in order to build AUTOSAR
Standardization	STDT	Standardization Template	systems.  DocumentAbbreviation
Template	וטוט	Standardization Template	DocumentAbbreviation
Tomplate			This specifies how AUTOSAR Stan-
			dardization is represented as ARXML
			file.
SystemTemplate	SYST	System Template	DocumentAbbreviation
			This document specifies how to
T E	TIMEN		describe AUTOSAR Systems.
TimingExtensions	TIMEX	Specification of Timing	DocumentAbbreviation
		Extensions	This document specifies how to
			This document specifies how to describe the timing of an AUTOSAR
			System.
			C) 5(5)

**Table 4.1: AUTOSAR Document Abbreviations for Trace Prefixes**