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Disclaimer

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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 `Keyword`s 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 `classification`s 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
AISpecification	AISpecification	XML Specification of Application Interfaces	AUTOSAR-Document, ModuleDesignator This represents the Appplication Interfaces.
CompilerAbstraction	Compiler	Compiler Abstraction	AUTOSAR-Document, ModuleDesignator This represents the Compiler Abstraction
Comtype	Comtype	Communication Stack Types	ModuleDesignator 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, ModuleDesignator 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.

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 Specification	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 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]).

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shortName	abbrName	longName	Classification, Description
AIBodyAndComfort	AIBC	Application Interfaces "Body and Comfort"	DocumentAbbreviation This document explains Application Interfaces for "Body and Comfort".
AIChassis	AICS	Application Interfaces "Chassis"	DocumentAbbreviation This document explains Application Interfaces for "Chassis".
AIHMIMultimediaAndTelematics	AIHMI	Application Interfaces "HMI Multimedia and Telematics"	DocumentAbbreviation This document explains Application Interfaces for "HMI Multimedia And Telematics".
AIOccupantAndPedestrianSafety	AIOPS	Application Interfaces "Occupant and pedestrian Safety"	DocumentAbbreviation This document explains Application Interfaces for "Application Interface Occupant and pedestrian Safety".

shortName	abbrName	longName	Classification, Description
AIPowertrain	AIPT	Application Interfaces "Powertrain"	DocumentAbbreviation This document document explains Application Interfaces for "Powertrain".
AITable	AITAB	Application Interface Table	DocumentAbbreviation This document represents the table of Application Interfaces.
AIUserGuide	AIUG	Application Interfaces User Guide	DocumentAbbreviation This document aims at explaining all relevant details about the AI Table.
BSW	BSW	Basic Software	DocumentAbbreviation This abbreviation represents the superset of all BSW software requirement specifications. This means that this abbreviatino is used trhoughout all Basic Software Specifications.
BSWModuleDescriptionTemplate	BSWMDT	Basic Software Module Description Template	DocumentAbbreviation This document specifies how to describe a Basic Software
ECUConfiguration	ECUC	Specification of ECU Configuration	DocumentAbbreviation This document specifies the technical details of the ECU configuration
ECUResource Template	ECUR	Specification of ECU Resource Template	DocumentAbbreviation This specifies how to describe Resources of an ECU
GenericStructure Template	GST	Generic Structure Template	DocumentAbbreviation This specifies common aspects applicable to all templates.
InteroperabilityOf AutosarTools	IOAT	Interoperability of AUTOSAR Tools	DocumentAbbreviation This document describes various aspects of interoperability of AUTOSAR tools.
MainRequirements	Main	AUTOSAR Main Requirements	DocumentAbbreviation This document specifies the AUTOSAR main requirements.
AIMeasurement CalibrationDiagnostics	MCAI	Unique Names for Documentation, Measurement and Calibration: Modeling and Naming Aspects including Automatic Generation	DocumentAbbreviation This document discusses how to automatically generate display names for measurement, calibration and diagnostic tools (MCD).

shortName	abbrName	longName	Classification, Description
AIMeasurement Calibration Diagnostics_Assumptions	MCA	Assumptions in Unique Names for Documentation, Measurement and Calibration: Modeling and Naming Aspects including Automatic Generation	DocumentAbbreviation This keyword reflects the assumptions how to automatically generate display names for measurement, calibration and diagnostic tools (MCD). The keyword is used for document internal tracing
AIMeasurement Calibration Diagnostics_Generation Rules	MCG	Generation Rules in Unique Names for Documentation, Measurement and Calibration: Modeling and Naming Aspects including Automatic Generation	DocumentAbbreviation This keyword reflects the generation rules how to automatically generate display names for measurement, calibration and diagnostic tools (MCD). The keyword is used for document internal tracing.
AIMeasurement CalibrationDiagnostics_Modeling Rules	MCM	Modeling Rules in Unique Names for Documentation, Measurement and Calibration: Modeling and Naming Aspects including Automatic Generation	DocumentAbbreviation This keyword reflects the modeling rules of how to automatically generate display names for measurement, calibration and diagnostic tools (MCD). The keyword is used for document internal tracing.
AIMeasurement Calibration Diagnostics_Requirements	MCR	Requirements in Unique Names for Documentation, Measurement and Calibration: Modeling and Naming Aspects including Automatic Generation	DocumentAbbreviation This keyword reflects the requirments of how to automatically generate display names for measurement, calibration and diagnostic tools (MCD). The keyword is used for document internal tracing.
Methodology	METH	AUTOSAR Methodology	DocumentAbbreviation This describes the AUTOSAR Methodolgy
MPST	MPST	AUTOSAR Model Persistence Rules for XML	DocumentAbbreviation This document specifies how the AUTOSAR XML schema is derived from the MetaModel
PredefinedNames	PDN	AUTOSAR Predefined Names	DocumentAbbreviation This document describes various predefined names used in AUTOSAR.
ProjectObjectives	PO	AUTOSAR Project Objectives	DocumentAbbreviation This document specifies the AUTOSAR Project Objectives.
RTE	RTE	Runtime Environment	DocumentAbbreviation This document specifies the AUTOSAR Runtime Environment.

shortName	abbrName	longName	Classification, Description
SoftwareComponentTemplate	SWCT	Software Component Template	DocumentAbbreviation This document specifies how to describe Software Components.
SWCModeling Guide	SWMG	SW-C and System Modeling Guide	DocumentAbbreviation This document gives guidelines and conventions on using the AUTOSAR model elements in order to build AUTOSAR systems.
SWCModeling Guide_Naming Rules	SWNR	Naming Rules in SW-C and System Modeling Guide	DocumentAbbreviation This document gives guidelines and conventions, in particular the naming rules on using the AUTOSAR model elements in order to build AUTOSAR systems.
Standardization Template	STDT	Standardization Template	DocumentAbbreviation This specifies how AUTOSAR Standardization is represented as ARXML file.
SystemTemplate	SYST	System Template	DocumentAbbreviation This document specifies how to describe AUTOSAR Systems.
TimingExtensions	TIMEX	Specification of Timing Extensions	DocumentAbbreviation This document specifies how to describe the timing of an AUTOSAR System.

Table 4.1: AUTOSAR Document Abbreviations for Trace Prefixes