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Disclaimer

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AUTOSAR_TR_BSWModuleList

[2] XML Specification of Application Interfaces
AUTOSAR_MOD_AISpecification

[3] Specification of ECU Configuration Parameters (XML)
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[4] Standardization Template
AUTOSAR_TPS_StandardizationTemplate

[5] Generic Structure Template
AUTOSAR_TPS_GenericStructureTemplate

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_00042] 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_00001] 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_00017] in [5]).
- **AUTOSAR-Document**: The `shortName` represents a module name for the implementation of a specification provided by AUTOSAR.

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shortName	*abbrName*	*longName*	*Classification, Description*
Arti	Arti	AUTOSAR Run-Time Interface	ModuleDesignator Arti is a pseudo module which defines parameters holding run-time information of the application for debugging and tracing.
AISpecification	AISpecification	XML Specification of Application Interfaces	AUTOSAR-Document, Module Designator This represents the Appplication Interfaces.
EcuC	EcuC	Ecu Configuration	ModuleDesignator EcuC is a pseudo module which defines parameters applicable to all other BSW modules.
GeneralBlueprints	GenBlpr	General Blueprints	ModuleDesignator Collection of blueprints for AUTOSAR M1 models.
GeneralDefinitions	GenDef	General Definitions	ModuleDesignator This represents general elements that can be applied for both, basic (BSW) and application software (ASW), but for which no explicit AUTOSAR Document is maintained. Example for objects in this virtual module are elements such as life cycle definitions, role definitions etc.
V2X	V2X	Vehicle-2-X	ModuleDesignator V2X is used as a cluster abbreviation by all cross module types used by the Vehicle-2-X communication modules.

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_00002] 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_00050] in [4]).
- **TraceCategory**: The keyword (`abbrName`) represents a valid category of a traceable text within a document provided by AUTOSAR (see [TPS_STDT_00042] 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*
ASWS	ASWS	Abstract SWS Software Specification	DocumentCategory, TraceCategory General Specification of AUTOSAR Basic Software Modules
ATR	ATR	Acceptance Test Requirement	DocumentCategory, TraceCategory Specification of requirements for acceptance tests
ATS	ATS	Acceptance Test Specification	DocumentCategory, TraceCategory Test specification and scripts for the execution of acceptance tests
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
EXP	EXP	Explanation	DocumentCategory, TraceCategory Explanatory material discussiong contents already shown in other documents
MMOD	MetaModel	MetaModel	DocumentCategory, TraceCategory Modeled contents (a model or generated from a model) on meta level 2 (Meta-Model)

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shortName	*abbrName*	*longName*	*Classification, Description*
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
PDEP	PDEP	Profile of Data Exchange Point	DocumentCategory, TraceCategory Contains models that tailor AUTOSAR specifications and templates for specific data exchange points
PRS	PRS	Protocol Specification	DocumentCategory, TraceCategory Specification of Protocols standardized by AUTOSAR
RS	RS	Requirement Specification	DocumentCategory, TraceCategory Specification of requirements other than for software specifications
SRC	SRC	Source	DocumentCategory, TraceCategory Source code artifacts
SRS	SRS	Software Requirement Specification	DocumentCategory, TraceCategory Specification of requirements for software specifications
SWS	SWS	Software Specification	DocumentCategory, TraceCategory Specification of AUTOSAR Software
TMPL	TMPL	Template	InternalDocumentCategory Predefined documentation templates
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.
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

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shortName	*abbrName*	*longName*	*Classification, Description*
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_00003] 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_00042] 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*
ARTI	ARTI	AUTOSAR Run-Time Interface	DocumentAbbreviation This document explains Interfaces for the "AUTOSAR Run-Time Interface"
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".
AIDesignPattern Catalogue	AIDPC	Application Interface Design Pattern Catalogue	DocumentAbbreviation This document contains Application Interface Design Pattern Catalogue.
AIHMIMultimediaAnd Telematics	AIHMI	Application Interfaces "HMI Multimedia and Telematics"	DocumentAbbreviation This document explains Application Interfaces for "HMI Multimedia And Telematics".
AIOccupantAnd PedestrianSafety	AIOPS	Application Interfaces "Occupant and pedestrian Safety"	DocumentAbbreviation This document explains Application Interfaces for "Application Interface Occupant and pedestrian Safety".

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shortName	*abbrName*	*longName*	*Classification, Description*
AIPowertrain	AIPT	Application Interfaces "Powertrain"	DocumentAbbreviation This document document explains Application Interfaces for "Powertrain".
AISpecification Examples	AISE	XML Examples of Application Interfaces	DocumentAbbreviation This represents XML Examples of Appplication Interfaces.
AIUserGuide	AIUG	Application Interfaces User Guide	DocumentAbbreviation This document aims at explaining all relevant details about the AI Table.
ApplicationLevelError Handling	ALEH	Application Level Error Handling	DocumentAbbreviation This document explains the Application Level Error Handling.
AdaptiveNetwork Management	ANM	Adaptive Network Management	DocumentAbbreviation Adaptive Platform - to be filled correclty
AdaptivePlatform Demonstrator	APD	Adaptive Platform Demonstrator	DocumentAbbreviation This specifies the Adaptive Platform Demonstrator
AdaptivePlatform DemonstratorTestdata	APDT	Adaptive Platform Demonstrator Testdata	DocumentAbbreviation This specifies the Adaptive Platform Demonstrator Testdata
AutosarModel Constraints	ArModC	Autosar Model Constraints	DocumentAbbreviation This document explains Autosar Model Constraints.
ARXMLSerialization Rules	ASR	ARXML Serialization Rules	DocumentAbbreviation This document explains how to serialize AUTOSAR models into ARXML files and vice versa.
ATBM	ATBM	Interaction with Behavioral Models	DocumentAbbreviation This document describes interaction with behavioral models.
BSWAndRTEFeatures	BRF	AUTOSAR BSW and RTE Features	DocumentAbbreviation This document specifies the features of the BSW Architecture and the RTE.
BSW	BSW	Basic Software	DocumentAbbreviation This abbreviation represents the superset of all BSW software requirement specifications. This means that this abbreviation is used throughout all Basic Software Specifications.
BSWModuleDescription Template	BSWMDT	Basic Software Module Description Template	DocumentAbbreviation This document specifies how to describe a Basic Software
BSWModuleList	BSWML	Basic Software Module List	DocumentAbbreviation This document lists the BSW modules.
BSWUMLModel ModelingGuide	BSWUMG	BSW UML Model Modeling Guide	DocumentAbbreviation This guideline describes the BSW UML Model modeling.

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shortName	*abbrName*	*longName*	*Classification, Description*
BSWUML	BSWUML	Basic Software UML model	DocumentAbbreviation This abbreviation represents the BSW UML model. This means that this abbreviation is used throughout all elements maintained in the BSW UML model.
BWCStatement	BWC	BWC Statement	DocumentAbbreviation This document describes the backward compatibility statement.
CDDDesignAnd IntegrationGuideline	CDDG	CDD Design And Integration Guideline	DocumentAbbreviation This guideline describes the Design and the Integration of CDD.
CommunicationCan	COMCAN	Communication on Can	DocumentAbbreviation Relevant for communication on CAN.
CommunicationFlexray	COMFR	Communication on Flexray	DocumentAbbreviation Relevant for communication on Flexray.
CommunicationLin	COMLIN	Communication on Lin	DocumentAbbreviation Relevant for communication on LIN.
Communication Management	COMMGMT	Communication Management	DocumentAbbreviation Relevant for communication management.
CommunicationViaBus	COMVB	Communication via a bus	DocumentAbbreviation Relevant for communication via a bus.
DiagnosticExtract Template	DEXT	Diagnostic Extract Template	DocumentAbbreviation This document specifies diagnostic exchange data.
Diagnostic	DIAG	Requirements on Diagnostic	DocumentAbbreviation The goal of AUTOSAR WP Diagnostics and this document is to define to what extent elements of the diagnostic basic software have to be configurable and what preliminaries they shall comply with to meet the tailoring requirements. The handling of the legislated OBD and enhanced Diagnostics shall also be achieved.
AdaptiveDiagnostics	DM	Adaptive Diagnostics	DocumentAbbreviation Adaptive Platform - to be filled correclty
ECUConfiguration	ECUC	Specification of ECU Configuration	DocumentAbbreviation This document specifies the technical details of the ECU configuration
ECUConfiguration Parameters	ECUCP	ECU Configuration Parameters	DocumentAbbreviation This document describes ECU Configuration Parameters.
EcuModeManagement	ECUMGMT	ECU Mode Management	DocumentAbbreviation Relevant for ECU mode management.
ECUResourceTemplate	ECUR	Specification of ECU Resource Template	DocumentAbbreviation This specifies how to describe Resources of an ECU

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shortName	*abbrName*	*longName*	*Classification, Description*
ErrorDescription	ED	Error Description	DocumentAbbreviation This document explains the Error Description.
ExecutionManagement	EM	Execution Management	DocumentAbbreviation Adaptive Platform - to be filled correclty
ErrataSheet	ERSH	Errata Sheet	DocumentAbbreviation This document explains the Errata Sheet.
FrancaIntegration	FCAINT	Franca Integration	DocumentAbbreviation This document describes the Franca Integration.
Features	Feature	Feature Specification Acceptance Tests	DocumentAbbreviation Feature Specification of the acceptance tests.
FeatureModelExchange Format	FMDT	Specification of Feature Model Exchange Format	DocumentAbbreviation This specifies how to describe the Feature Model Exchange Format.
FreeRunningTimer	FRT	Free Running Timer	DocumentAbbreviation This document describes the Free Running Timer.
Glossary	GLOS	Glossary	DocumentAbbreviation This document lists all Glossary items.
GenericStructure Template	GST	Generic Structure Template	DocumentAbbreviation This specifies common aspects applicable to all templates.
Gateway	GTW	Gateway	DocumentAbbreviation This document explains the Gateway.
HealthManagement	HM	Health Management	DocumentAbbreviation Adaptive Platform - to be filled correclty
InteroperabilityOf AutosarTools	IOAT	Interoperability of AUTOSAR Tools	DocumentAbbreviation This document describes various aspects of interoperability of AUTOSAR tools.
InteroperabilityOf AutosarTools Supplement	IOATS	Interoperability of AUTOSAR Tools Supplement	DocumentAbbreviation This document contains baseline profiles of data exchange points and examples.
IOHWAbstraction	IOHWAB	IO Hardware Abstraction	DocumentAbbreviation This document describes the IO Hardware Abstraction.
InterruptHandling Explanation	IRH	Interrupt Handling Explanation	DocumentAbbreviation This document explains the Interrupt Handling.
SRSLibraries	LIBS	Requirements on Libraries	DocumentAbbreviation This document specifies requirements on the AUTOSAR Libraries.
AdaptiveLogAndTrace	LOG	Adaptive Log and Trace	DocumentAbbreviation Adaptive Platform - to be filled correclty

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shortName	*abbrName*	*longName*	*Classification, Description*
LayeredSoftware Architecture	LSA	Layered Software Architecture	DocumentAbbreviation This document describes the Layered Software Architecture.
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).
AIMeasurement CalibrationDiagnostics_ 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 CalibrationDiagnostics_ GenerationRules	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_ ModelingRules	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 CalibrationDiagnostics_ 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.
MemoryServices	MEM	Requirements on Memory Services	DocumentAbbreviation This document specifies requirements on Basic Software Modules of the memory services.
Methodology	METH	AUTOSAR Methodology	DocumentAbbreviation This describes the AUTOSAR Methodolgy.
MethodologyModel Rules	MethModR	Methodology Model Rules	DocumentAbbreviation This document describes the Methodology Model Rules.
MiscSupport	MICS	Miscellaneous Support	DocumentAbbreviation This document contains miscellaneous support items.

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shortName	*abbrName*	*longName*	*Classification, Description*
MetaModel	MM	Meta Model	DocumentAbbreviation This document describes the Meta Model.
MemoryHWAbstraction Layer	MMHWABLY	Memory Hardware Abstraction Layer	DocumentAbbreviation This document describes the Memory Hardware Abstraction Layer.
ModeManagement Guide	MMG	Mode Management Guide	DocumentAbbreviation This guideline describes the Mode Management.
ModeMgm	ModeMgm	Mode Management	DocumentAbbreviation This document specifies Mode Management in AUTOSAR.
MultiCoreGuide	MTCG	Multi Core Guide	DocumentAbbreviation This guideline describes Multi Core.
MethodologyAnd TemplatesGeneral	MTG	General Requirements on Methodology and Templates	DocumentAbbreviation This document has the purpose to collect requirements on Methodology and Templates which are relevant for more than one document.
OperatingSystem Interface	OSI	Operating System Interface	DocumentAbbreviation Adaptive Platform - to be filled correclty
Pesistency	PER	Persistency	DocumentAbbreviation Adaptive Platform - to be filled correclty
PredefinedNames	PDN	AUTOSAR PredefinedNames	DocumentAbbreviation This document describes various predefined names used in AUTOSAR.
ProjectObjectives	PO	AUTOSAR Project Objectives	DocumentAbbreviation This document specifies the AUTOSAR Project Objectives.
ReferenceBase	RefBase	Reference Base	DocumentAbbreviation This document contains Reference Base items.
Requirements	Requirement	Requirements Acceptance Tests	DocumentAbbreviation Requirements for the acceptance tests.
ReleaseOverviewAnd RevHistory	RORH	Release Overview And Rev History	DocumentAbbreviation This document provides a Release Overview and Rev History.
RTE	RTE	Runtime Environment	DocumentAbbreviation This document specifies the AUTOSAR Runtime Environment.
SAE	SAE	Society of Automotive Engineers	DocumentAbbreviation This document describes the network standard developed by the Society of Automotive Engineers.
SafetyExtensions	SAFEX	Specifcation of Safety Extensions	DocumentAbbreviation This document specifes how to describe the safety relevant properties and requirements of an AUTOSAR System.

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shortName	*abbrName*	*longName*	*Classification, Description*
XMLSchema Supplement	SchemaSupp	XML Schema Supplement	DocumentAbbreviation This document explains the XML Schema.
SecurityExtract Template	SECXT	Security Extract Template	DocumentAbbreviation This document specifies security exchange data.
SomeIpExample	SIPEX	SomeIp Example	DocumentAbbreviation This document contains SomeIp Examples.
SPAL	SPAL	Standard Peripheral Abstraction Layer	DocumentAbbreviation This document describes the Standard Peripheral Abstraction Layer.
SafetyUseCase	SUC	Safety Use Case	DocumentAbbreviation This document explains the Safety Use Cases.
SWCModeling	SWCM	Software Component Modeling	DocumentAbbreviation This document describes the modeling of Software Components.
SoftwareComponent Template	SWCT	Software Component Template	DocumentAbbreviation This document specifies how to describe Software Components.
SWCModelingGuide	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.
SWCModelingGuide_ NamingRules	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.
TimingAnalysis	TIMAY	Specification of Timing Analysis	DocumentAbbreviation This document explains the Timing Analysis.
TimingExtensions	TIMEX	Specification of Timing Extensions	DocumentAbbreviation This document specifies how to describe the timing of an AUTOSAR System.
TTCAN	TTCAN	Requirements on TTCAN	DocumentAbbreviation This document specifies the additional TTCAN requirements for the CAN BSW stack.

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shortName	*abbrName*	*longName*	*Classification, Description*
UtilizationOfCrypto Services	UOC	Utilization Of Crypto Services	DocumentAbbreviation This document explains the Utilization of Crypto Services.
VirtualFunctionalBus	VFB	Virtual Functional Bus	DocumentAbbreviation This document describes the Virtual Functional Bus.
XMLSchema	XMLSchema	XML Schema	DocumentAbbreviation This document describes the XML Schema.
XMLSchemaProduction Rules	XMLSPR	XML Schema Production Rules	DocumentAbbreviation This document describes how a W3C XML schema specification compliant XML schema can be compiled out of the AUTOSAR meta-model.

Table 4.1: AUTOSAR Document Abbreviations for Trace Prefixes

5 [NamespaceAbbreviations] AUTOSAR Name Spaces

These keywords represent the name space abbreviations of AUTOSAR Adaptive Platform Functional Cluster.

[TR_PDN_00004] Document Abbreviations for Name Spaces ⌈This keyword set contains the name space definitions:

- **NamespaceAbbreviation**: The `abbrName` represents a valid name space abbreviation).

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shortName	*abbrName*	*longName*	*Classification, Description*
com	com	Communication Management	NamespaceAbbreviation To be filled.
exec	exec	Execution Management	NamespaceAbbreviation To be filled.
not_available	not_available	Operating System	NamespaceAbbreviation To be filled.
per	per	Persistency	NamespaceAbbreviation To be filled.
diag	diag	Diagnostics	NamespaceAbbreviation To be filled.
log	log	Log and Trace	NamespaceAbbreviation To be filled.

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shortName	*abbrName*	*longName*	*Classification, Description*
time	time	Time Synchronisation	NamespaceAbbreviation To be filled.
rest	rest	REpresentational State Transfer	NamespaceAbbreviation To be filled.
ara	ara	Autosar API (in combination with a cluster name ex: ara::rest)	NamespaceAbbreviation To be filled.

Table 5.1: AUTOSAR Name Spaces

A Mentioned Class Tables

For the sake of completeness, this chapter contains a set of class tables representing meta-classes mentioned in the context of this document but which are not contained directly in the scope of describing specific meta-model semantics.

Class	***Identifiable*** (abstract)			
Package	M2::AUTOSARTemplates::GenericStructure::GeneralTemplateClasses::Identifiable			
Note	Instances of this class can be referred to by their identifier (within the namespace borders). In addition to this, Identifiables are objects which contribute significantly to the overall structure of an AUTOSAR description. In particular, Identifiables might contain Identifiables.			
Base	*ARObject*, *MultilanguageReferrable*, *Referrable*			
Subclasses	ARPackage, *AbstractDoIpLogicAddressProps*, *AbstractEvent*, *AbstractImplementationDataTypeElement*, *AbstractSecurityEventFilter*, *AbstractSecurityIdsmInstanceFilter*, *AbstractServiceInstance*, Application Endpoint, ApplicationError, *AtpBlueprint*, *AtpBlueprintable*, *AtpClassifier*, *AtpFeature*, AutosarOperation ArgumentInstance, AutosarVariableInstance, BlockState, *BuildActionEntity*, BuildActionEnvironment, Chapter, ClassContentConditional, ClientIdDefinition, ClientServerOperation, Code, *CollectableElement*, ComManagementMapping, *CommConnectorPort*, *CommunicationConnector*, *CommunicationController*, Compiler, ConsistencyNeeds, ConsumedEventGroup, CouplingPort, *CouplingPortStructuralElement*, CryptoKeySlot, *CryptoServiceMapping*, DataPrototypeGroup, DataTransformation, DependencyOn Artifact, *DiagEventDebounceAlgorithm*, DiagnosticConnectedIndicator, DiagnosticDataElement, DiagnosticFunctionInhibitSource, *DiagnosticRoutineSubfunction*, DltArgument, DltLogChannel, Dlt Message, DoIpInterface, DoIpLogicAddress, DoIpRoutingActivation, EndToEndProtection, Ethernet WakeupSleepOnDatalineConfig, ExclusiveArea, *ExecutableEntity*, *ExecutionTime*, FMAttributeDef, FM FeatureMapAssertion, FMFeatureMapCondition, FMFeatureMapElement, FMFeatureRelation, FM FeatureRestriction, FMFeatureSelection, *FrameTriggering*, GeneralParameter, GlobalTimeGateway, *GlobalTimeMaster*, *GlobalTimeSlave*, *HeapUsage*, HwAttributeDef, HwAttributeLiteralDef, HwPin, Hw PinGroup, IPSecRule, IPv6ExtHeaderFilterList, ISignalToIPduMapping, ISignalTriggering, *IdentCaption*, InternalTriggeringPoint, Keyword, LifeCycleState, Linker, MacMulticastGroup, McDataInstance, Memory Section, ModeDeclaration, ModeDeclarationMapping, ModeSwitchPoint, NetworkEndpoint, *NmCluster*, *NmNode*, *PackageableElement*, ParameterAccess, PduToFrameMapping, PduTriggering, *Physical Channel*, PortGroup, *PortInterfaceMapping*, PossibleErrorReaction, ResourceConsumption, RootSw CompositionPrototype, RptComponent, RptContainer, RptExecutableEntity, RptExecutableEntityEvent, RptExecutionContext, RptProfile, RptServicePoint, *SdgAttribute*, SdgClass, SecureCommunication AuthenticationProps, SecureCommunicationFreshnessProps, SecurityEventContextProps, *Service Needs*, SignalServiceTranslationEventProps, SignalServiceTranslationProps, SocketAddress, SomeipTp Channel, *SpecElementReference*, *StackUsage*, StaticSocketConnection, StructuredReq, SwGenericAxis ParamType, SwServiceArg, SwcServiceDependency, SystemMapping, *TimeBaseResource*, Timing Condition, *TimingConstraint*, *TimingDescription*, TimingExtensionResource, TimingModeInstance, Topic1, TpAddress, TraceableTable, TraceableText, *TracedFailure*, *TransformationProps*, Transformation Technology, Trigger, VariableAccess, VariationPointProxy, ViewMap, VlanConfig			
Attribute	***Type***	***Mult.***	***Kind***	***Note***
adminData	AdminData	0..1	aggr	This represents the administrative data for the identifiable object. **Tags:**xml.sequenceOffset=-40
annotation	Annotation	*	aggr	Possibility to provide additional notes while defining a model element (e.g. the ECU Configuration Parameter Values). These are not intended as documentation but are mere design notes. **Tags:**xml.sequenceOffset=-25
category	CategoryString	0..1	attr	The category is a keyword that specializes the semantics of the Identifiable. It affects the expected existence of attributes and the applicability of constraints. **Tags:**xml.sequenceOffset=-50

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Class	***Identifiable*** (abstract)			
desc	MultiLanguageOverview Paragraph	0..1	aggr	This represents a general but brief (one paragraph) description what the object in question is about. It is only one paragraph! Desc is intended to be collected into overview tables. This property helps a human reader to identify the object in question. More elaborate documentation, (in particular how the object is built or used) should go to "introduction". **Tags:**xml.sequenceOffset=-60
introduction	DocumentationBlock	0..1	aggr	This represents more information about how the object in question is built or is used. Therefore it is a DocumentationBlock. **Tags:**xml.sequenceOffset=-30
uuid	String	0..1	attr	The purpose of this attribute is to provide a globally unique identifier for an instance of a meta-class. The values of this attribute should be globally unique strings prefixed by the type of identifier. For example, to include a DCE UUID as defined by The Open Group, the UUID would be preceded by "DCE:". The values of this attribute may be used to support merging of different AUTOSAR models. The form of the UUID (Universally Unique Identifier) is taken from a standard defined by the Open Group (was Open Software Foundation). This standard is widely used, including by Microsoft for COM (GUIDs) and by many companies for DCE, which is based on CORBA. The method for generating these 128-bit IDs is published in the standard and the effectiveness and uniqueness of the IDs is not in practice disputed. If the id namespace is omitted, DCE is assumed. An example is "DCE:2fac1234-31f8-11b4-a222-08002b34c003". The uuid attribute has no semantic meaning for an AUTOSAR model and there is no requirement for AUTOSAR tools to manage the timestamp. **Tags:**xml.attribute=true

Table A.1: Identifiable

Class	**Keyword**			
Package	M2::AUTOSARTemplates::CommonStructure::StandardizationTemplate::Keyword			
Note	This meta-class represents the ability to predefine keywords which may subsequently be used to construct names following a given naming convention, e.g. the AUTOSAR naming conventions. Note that such names is not only shortName. It could be symbol, or even longName. Application of keywords is not limited to particular names.			
Base	*ARObject*, *Identifiable*, *MultilanguageReferrable*, *Referrable*			
Attribute	***Type***	***Mult.***	***Kind***	***Note***
abbrName	NameToken	1	attr	This attribute specifies an abbreviated name of a keyword. This abbreviation may e.g. be used for constructing valid shortNames according to the AUTOSAR naming conventions. Unlike shortName, it may contain any name token. E.g. it may consist of digits only.
classification	NameToken	*	attr	This attribute allows to attach classification to the Keyword such as MEAN, ACTION, CONDITION, INDEX, PREPOSITION

Table A.2: Keyword

Class	***MultilanguageReferrable*** (abstract)			
Package	M2::AUTOSARTemplates::GenericStructure::GeneralTemplateClasses::Identifiable			
Note	Instances of this class can be referred to by their identifier (while adhering to namespace borders). They also may have a longName. But they are not considered to contribute substantially to the overall structure of an AUTOSAR description. In particular it does not contain other Referrables.			
Base	*ARObject*, *Referrable*			
Subclasses	Caption, DefItem, DocumentationContext, *Identifiable*, SdgCaption, *TraceReferrable*, *Traceable*			
Attribute	***Type***	***Mult.***	***Kind***	***Note***
longName	MultilanguageLong Name	0..1	aggr	This specifies the long name of the object. Long name is targeted to human readers and acts like a headline.

Table A.3: MultilanguageReferrable

Class	***Referrable*** (abstract)			
Package	M2::AUTOSARTemplates::GenericStructure::GeneralTemplateClasses::Identifiable			
Note	Instances of this class can be referred to by their identifier (while adhering to namespace borders).			
Base	*ARObject*			
Subclasses	*AtpDefinition*, BswDistinguishedPartition, *BswModuleCallPoint*, BswModuleClientServerEntry, BswVariableAccess, CouplingPortTrafficClassAssignment, DiagnosticDebounceAlgorithmProps, *DiagnosticEnvModeElement*, EthernetPriorityRegeneration, EventHandler, ExclusiveAreaNestingOrder, *HwDescriptionEntity*, *ImplementationProps*, LinSlaveConfigIdent, ModeTransition, *MultilanguageReferrable*, PduActivationRoutingGroup, PncMappingIdent, *SingleLanguageReferrable*, SoConIPduIdentifier, SocketConnectionBundle, TimeSyncServerConfiguration, TpConnectionIdent			
Attribute	***Type***	***Mult.***	***Kind***	***Note***
shortName	Identifier	1	attr	This specifies an identifying shortName for the object. It needs to be unique within its context and is intended for humans but even more for technical reference. **Stereotypes:** atpIdentityContributor **Tags:** xml.enforceMinMultiplicity=true xml.sequenceOffset=-100
shortName Fragment	ShortNameFragment	*	aggr	This specifies how the Referrable.shortName is composed of several shortNameFragments. **Tags:**xml.sequenceOffset=-90

Table A.4: Referrable