MAENAD

Grant Agreement 260057

Model-based Analysis & Engineering of Novel Architectures for Dependable Electric Vehicles

Report type Deliverable D4.1.1

Report name EAST-ADL Language Specification

Dissemination level	**PU**
Status	**Final**
Version number	**3.0**
Date of preparation	**2013-05-31**

Authors

Editor **E-mail**

Hans Blom

Authors **E-mail**

The MAENAD consortium

The Consortium

Volvo Technology Corporation (S) Centro Ricerche Fiat (I)

Continental Automotive (D) Delphi/Mecel (S) 4S Group (I)

MetaCase (Fi) Pulse-AR (Fr) Systemite (SE) CEA LIST (F)

Kungliga Tekniska Högskolan (S) Technische Universität Berlin (D) University of Hull (GB)

Revision chart and history log

Version	Date	Reason
1.0	2011-06-30	First release Reflecting Maenad Month 9
1.0.1	2011-08-30	Intermediate Version Reflecting Maenad Month 12
2.0	2012-06-30	Second release Reflecting Maenad Month 21
2.1	2012-08-31	Change list added.
3.0	2013-05-31	Third release Reflecting Maenad Month 33

1 Summary

D4.1.1 is the EAST-ADL language specification which covers the elements of the language. The released version is annotated EAST-ADL M2.1.11, i.e. the MAENAD proposal for version 2.1.11. The actual specification of the language is delivered in a separate document, EAST-ADL-Specification_M2.1.11.pdf. This document describes the structural changes in the different project internal releases of the language.

2 Versions

The EAST-ADL specification from the previous ATESST2 project had the version number 2.1.8 and was released 2010-06-30, the specification has evolved during the MAENAD project as follows:

Date	Domain Model version	Note
2011-01-30	(M2.1.1) M2.1.9	
2011-06-30	M2.1.9.1	M9, should really be called 2.1.9.20110630
2011-08-30	M2.1.9.20110830	
2012-03-30	M2.1.10	Consolidation of descriptions
2012-06-15	M2.1.10.20120629	M21, no structural changes.
2013-05-31	M2.1.11	M33

3 Table of Contents

4 Changes in M2.1.9.1 as compared to ATESST2_2.1.RC5

M2.1.9.1	ATESST2_2.1.RC5	Change	Metaclass
TraceableSpecification (from Elements)	EAPackageableElement (from Elements)	Changed generalization	FunctionClientServerInterface (from FunctionModeling) «atpType»
wire : HardwareConnector [*]	No additional associations	Changed dependency to association	LogicalBus (from HardwareModeling) «atpStructuredElement»
	Dependencies	ditto	
	wire : HardwareConnector [*]	ditto	
	«instanceRef»	ditto	
decisionModel : VehicleLevelBinding [*]	decisionModel : VehicleLevelConfigurationDecisionModel [*]	Changed name of associated class	Variability (from Variability)
VehicleLevelBinding (from Variability)	**VehicleLevelConfigurationDecisionModel (from Variability)**	Changed class name	VehicleLevelBinding (from Variability)
	relationship : RequirementsRelationship [*] {composite}	Removed association	RequirementsModel (from Requirements)
TraceableSpecification (from Elements)	EAPackageableElement (from Elements)	Changed generalization	Item (from Dependability)
max : Float [0..1]	max : Float [1]	Changed attribute multiplicity	EAFloat (from Datatypes)
min : Float [0..1]	min : Float [1]	Changed attribute multiplicity	EAFloat (from Datatypes)
max : int [0..1]	max : int [1]	Changed attribute multiplicity	EAInteger (from Datatypes)
min : int [0..1]	min : int [1]	Changed attribute multiplicity	EAInteger (from Datatypes)
	UserAttributeableElement (from UserAttributes)	Removed generalization	EAElement (from Elements) {abstract}

M2.1.9.1	ATESST2_2.1.RC5	Change	Metaclass
The realizedBy elements shall be on a lower abstraction level than the realized relements.	No additional constraints	Added constraint	Realization (from Elements)
The realizedBy or realized elements shall be structural or behavioural		Added constraint	Realization (from Elements)
UserAttributeableElement (from UserAttributes)	**UserAttributeableElement (from UserAttributes) {abstract}**	Class made concrete	UserAttributeableElement (from UserAttributes)
attributedElement : Identifiable [1]		Removed association	UserAttributeableElement (from UserAttributes)

5 Changes in M2.1.9.20110830 as compared to M2.1.9.1

M2.1.9.20110830	M2.1.9.1	Change	Metaclass
EAElement (from Elements)	None	Added generalization	AllocateableElement (from FunctionModeling) {abstract}
EAElement (from Elements)	None	Added generalization	AllocationTarget (from HardwareModeling) {abstract}
	HardwarePinDirectionKind (from HardwareModeling) «enumeration»	Removed class	HardwarePinDirectionKind (from HardwareModeling) «enumeration»
	Generalizations	ditto	
	None	ditto	
	Enumeration Literals	ditto	
	in	ditto	
	inout	ditto	
	out	ditto	
	Associations	ditto	
	No additional associations	ditto	
	Constraints	ditto	
	No additional constraints	ditto	
nonVolatileMemory : Integer [1]	nonVolatileMemory : int [1]	Changed integer type	Node (from HardwareModeling)
volatileMemory : Integer [0..1]	volatileMemory : int [0..1]	Changed integer type	Node (from HardwareModeling)
FormulaExpression (from FormulaLanguage)	FormulaExpression (from Elements)	Changed generalization	SelectionCriterion (from Variability)

M2.1.9.20110830	M2.1.9.1	Change	Metaclass
EAElement (from Elements)	None	Added generalization	RedefinableElement (from UseCases) {abstract}
cseCodeFactor : Integer = 1 [1]	cseCodeFactor : int = 1 [1]	Changed integer type	TimeDuration (from Timing)
max : Integer [0..1]	max : int [0..1]	Changed integer type	EAInteger (from Datatypes)
min : Integer [0..1]	min : int [0..1]	Changed integer type	EAInteger (from Datatypes)
significantDigits : Integer [0..1]	significantDigits : int [0..1]	Changed integer type	RangeableValueType (from Datatypes)
	FormulaExpression (from Elements) {abstract} «atpMixedString»	Removed class	FormulaExpression (from Elements) {abstract} «atpMixedString»
	Generalizations	ditto	
	Identifiable (from Identifiable)	ditto	
	Attributes	ditto	
	No additional attributes	ditto	
	Associations	ditto	
	No additional associations	ditto	
	Constraints	ditto	
	No additional constraints	ditto	
The realizedBy or realized elements shall be structural or behavioral	The realizedBy or realized elements shall be structural or behavioural	Textual change	Realization (from Elements)
ArchitecturalDescription (from Needs)	**ArchitecturalDescription (from Needs) {abstract}**	Class made concrete	ArchitecturalDescription (from Needs)

M2.1.9.20110830	M2.1.9.1	Change	Metaclass
ArchitecturalModel (from Needs)	**ArchitecturalModel (from Needs) {abstract}**	Class made concrete	ArchitecturalModel (from Needs)
Architecture (from Needs)	**Architecture (from Needs) {abstract}**	Class made concrete	Architecture (from Needs)
EAElement (from Elements)	None	Added generalization	Concept (from Needs) {abstract}
Mission (from Needs)	**Mission (from Needs) {abstract}**	Class made concrete	Mission (from Needs)
priority : Integer [1]	priority : int [1]	Changed integer type	StakeholderNeed (from Needs)
VehicleSystem (from Needs)	**VehicleSystem (from Needs) {abstract}**	Class made concrete	VehicleSystem (from Needs)

6 Changes in M2.1.10 as compared to M2.1.9.20110830

This release also included consolidated and updated documentation all over the language specification.

M2.1.10	M2.1.9.20110830	Change	Metaclass
technicalFeatureModel : FeatureModel [*] {composite}	technicalFeatureModel : FeatureModel [0..*] {composite}	Editorial change of multiplicity	VehicleLevel (from SystemModeling) «atpStructureElement»
	EAElement (from Elements)	Removed generalization	Feature (from FeatureModeling) «atpStructureElement»
childNode : FeatureTreeNode [*] {composite}	childNode : FeatureTreeNode [0..*] {composite}	Editorial change of multiplicity	Feature (from FeatureModeling) «atpStructureElement»
No additional attributes	complianceLevel : String [1]	Removed attribute	FeatureModel (from FeatureModeling) «atpStructureElement»
rootFeature : Feature [*] {composite}	rootFeature : Feature [0..*] {composite}	Editorial change of multiplicity	FeatureModel (from FeatureModeling) «atpStructureElement»
featureLink : FeatureLink [*] {composite}	featureLink : FeatureLink [0..*] {composite}	Editorial change of multiplicity	FeatureModel (from FeatureModeling) «atpStructureElement»
featureConstraint : FeatureConstraint [*] {composite}	featureConstraint : FeatureConstraint [0..*] {composite}	Editorial change of multiplicity	FeatureModel (from FeatureModeling) «atpStructureElement»
	[2] A LocalDeviceManager may only interface either Sensors or Actuators.	Removed constraint	LocalDeviceManager (from FunctionModeling)
[2] A LocalDeviceManager shall interface BSWFunctions and DesignFunctions.	[3] A LocalDeviceManager shall interface BSWFunctions and DesignFunctions.	Changed index of constraint	LocalDeviceManager (from FunctionModeling)

M2.1.10	M2.1.9.20110830	Change	Metaclass
	EAElement (from Elements)	Removed generalization	HardwareComponentPrototype (from HardwareModeling) «atpPrototype»
No additional attributes	resistance : Float [0..1]	Removed attribute	HardwareConnector (from HardwareModeling) «atpStructureElement»
	EAElement (from Elements)	Removed generalization	LogicalBus (from HardwareModeling) «atpStructuredElement»
SCILAB		Added enumeration literal	FunctionBehaviorKind (from Behavior) «enumeration»
variationGroup : VariationGroup [*] {composite}	variationGroup : VariationGroup [0..*] {composite}	Editorial change of multiplicity	ConfigurableContainer (from Variability)
criterion : String [0..1]	criterion : String [1]	Changed multiplicity of attribute	ConfigurationDecision (from Variability)
[1] Attribute "criterion" or association "selectionCriterion" (or both) must be defined.	No additional constraints	Added constraint	ConfigurationDecision (from Variability)
childEntry : ConfigurationDecisionModelEntry [*] {composite}	childEntry : ConfigurationDecisionModelEntry [0..*] {composite}	Editorial change of multiplicity	ConfigurationDecisionFolder (from Variability)
rootEntry : ConfigurationDecisionModelEntry [*] {composite}	rootEntry : ConfigurationDecisionModelEntry [0..*] {composite}	Editorial change of multiplicity	ConfigurationDecisionModel (from Variability) {abstract}
sourceVehicleFeatureModel : FeatureModel [*] {ordered}	sourceVehicleFeatureModel : FeatureModel [0..*] {ordered}	Editorial change of multiplicity	VehicleLevelBinding (from Variability)
targetFeatureModel : FeatureModel [*] {ordered}	targetFeatureModel : FeatureModel [0..*] {ordered}	Editorial change of multiplicity	VehicleLevelBinding (from Variability)

M2.1.10	M2.1.9.20110830	Change	Metaclass
concreteVVCase : VVCase [*]	concreteVVCase : VVCase [0..*]	Editorial change of multiplicity	VVCase (from VerificationValidation)
concreteVVProcedure : VVProcedure [*]	concreteVVProcedure : VVProcedure [0..*]	Editorial change of multiplicity	VVProcedure (from VerificationValidation)
element : Identifiable [*]	element : Identifiable [0..*]	Editorial change of multiplicity	VVTarget (from VerificationValidation)
rootRequirementContainer : RequirementsContainer [*] {ordered} {composite}	rootRequirementContainer : RequirementsContainer [0..*] {ordered} {composite}	Editorial change of multiplicity	RIFArea (from Interchange) {abstract}
[1] The direction of the nominal port must be 'out'.	[1] The direction of the nominal port must be out.	Editorial change	FailureOutPort (from ErrorModel)
[1] The direction of the nominal port must be 'in'.	[1] The direction of the nominal port must be in.	Editorial change	FaultInPort (from ErrorModel)
goalDecompositionStrategy : Warrant [*]	goalDecompositionStrategy : Warrant [0..*]	Editorial change of multiplicity	Claim (from SafetyCase)
supportedArgument : Warrant [*]	supportedArgument : Warrant [0..*]	Editorial change of multiplicity	Claim (from SafetyCase)
safetyRequirement : TraceableSpecification [*]	safetyRequirement : TraceableSpecification [0..*]	Editorial change of multiplicity	Claim (from SafetyCase)
safetyEvidence : Identifiable [*]	safetyEvidence : Identifiable [0..*]	Editorial change of multiplicity	Ground (from SafetyCase)
safetyCase : SafetyCase [*] {composite}	safetyCase : SafetyCase [0..*] {composite}	Editorial change of multiplicity	SafetyCase (from SafetyCase)
evidence : Ground [*]	evidence : Ground [0..*]	Editorial change of multiplicity	Warrant (from SafetyCase)
decomposedGoal : Claim [*]	decomposedGoal : Claim [0..*]	Editorial change of multiplicity	Warrant (from SafetyCase)
	description : String [0..1]	Removed attribute	ValueType (from Datatypes) {abstract}

M2.1.10	M2.1.9.20110830	Change	Metaclass
semantics : String [1]		Added attribute	ValueType (from Datatypes) {abstract}
EAElement (from Elements)	Identifiable (from Identifiable)	Changed generalization	EAPackage (from Elements)
subPackage : EAPackage [*] {composite}	subPackage : EAPackage [0..*] {composite}	Editorial change of multiplicity	EAPackage (from Elements)
topLevelPackage : EAPackage [*] {composite}	topLevelPackage : EAPackage [0..*] {composite}	Editorial change of multiplicity	EAXML (from Elements)
uaType : UserAttributeElementType [*]	uaType : UserAttributeElementType [0..*]	Editorial change of multiplicity	UserAttributeableElement (from UserAttributes)
	description : String [0..1]	Removed attribute	UserAttributeDefinition (from UserAttributes)
	key : String [1]	Removed attribute	UserAttributeDefinition (from UserAttributes)
	key : String [1]	Removed attribute	UserAttributeValue (from UserAttributes)
semantics : String [0..1]		Added attribute	UserAttributeValue (from UserAttributes)
definition : UserAttributeDefinition [0..1]	No additional associations	Added association	UserAttributeValue (from UserAttributes)
isConceptFor : SystemModel [*]	isConceptFor : SystemModel [0..*]	Editorial change of multiplicity	ArchitecturalModel (from Needs)
problemStatement : ProblemStatement [*]	problemStatement : ProblemStatement [0..*]	Editorial change of multiplicity	BusinessOpportunity (from Needs)
productPositioning : ProductPositioning [*]	productPositioning : ProductPositioning [0..*]	Editorial change of multiplicity	BusinessOpportunity (from Needs)
constrainedMode : Mode [*]	constrainedMode : Mode [0..*]	Editorial change of multiplicity	BehaviorConstraint (from BehaviorConstraints) {abstract}
constrainedFunctionBehavior : FunctionBehavior [*]	constrainedFunctionBehavior : FunctionBehavior [0..*]	Editorial change of multiplicity	BehaviorConstraint (from BehaviorConstraints) {abstract}

M2.1.10	M2.1.9.20110830	Change	Metaclass
constrainedFunctionTrigger : FunctionTrigger [*]	constrainedFunctionTrigger : FunctionTrigger [0..*]	Editorial change of multiplicity	BehaviorConstraint (from BehaviorConstraints) {abstract}

7 Changes in M2.1.10.20120629 as compared to M2.1.10

Layout adapted and introductory texts explaining the document clarified. No structural changes in the metamodel.

8 Changes in M2.1.11 as compared to M2.1.10

M2.1.11 as of 2013-04-02

M2.1.11	M2.1.10	Change	Metaclass/Package
featureParameter : EADatatype [0..1]	featureParameter : EADatatypePrototype [0..1] {composite}	Changed association type and containment	Feature (from FeatureModeling) «atpStructureElement»
No additional associations	feature : VehicleFeature [1]	Removed association role name	DeviationAttributeSet (from VehicleFeatureModeling)
None	EAElement (from Elements)	Removed inheritance	AllocateableElement (from FunctionModeling) {abstract}
kind : ClientServerKind [1]	clientServerType : ClientServerKind [1]	Changed attribute name	FunctionClientServerPort (from FunctionModeling)
EAConnector (from Elements)		Added inheritance	FunctionConnector (from FunctionModeling) «atpStructureElement»
defaultValue : EAValue [0..1] {composite}		Added association	FunctionFlowPort (from FunctionModeling)
EAPort (from Elements)		Added inheritance	FunctionPort (from FunctionModeling) {abstract} «atpPrototype»
EAPrototype (from Elements)		Added inheritance	FunctionPrototype (from FunctionModeling) {abstract} «atpPrototype»
EAType (from Elements)		Added inheritance	FunctionType (from FunctionModeling) {abstract} «atpType»
[2] A DesignFunctionPrototype typed by a HardwareFunctionType may only contain prototypes typed by HardwareFunctionType.		Added constraint	HardwareFunctionType (from FunctionModeling)

M2.1.11	M2.1.10	Change	Metaclass/Package
ElectricalComponent (from HardwareModeling) «atpType»	**PowerSupply (from HardwareModeling)**	Changed metaclass name	PowerSupply (from HardwareModeling)
HardwareBusKind (from HardwareModeling) «enumeration»		Added metaclass	HardwareBusKind (from HardwareModeling) «enumeration»
Generalizations		ditto	HardwareBusKind (from HardwareModeling) «enumeration»
None		ditto	HardwareBusKind (from HardwareModeling) «enumeration»
Enumeration Literals		ditto	HardwareBusKind (from HardwareModeling) «enumeration»
EventTriggered		ditto	HardwareBusKind (from HardwareModeling) «enumeration»
other		ditto	HardwareBusKind (from HardwareModeling) «enumeration»
TimeAndEventTriggered		ditto	HardwareBusKind (from HardwareModeling) «enumeration»
TimeTriggered		ditto	HardwareBusKind (from HardwareModeling) «enumeration»
Associations		ditto	HardwareBusKind (from HardwareModeling) «enumeration»
No additional associations		ditto	HardwareBusKind (from HardwareModeling) «enumeration»
Constraints		ditto	HardwareBusKind (from HardwareModeling) «enumeration»
No additional constraints		ditto	HardwareBusKind (from HardwareModeling) «enumeration»
EAPrototype (from Elements)		Added inheritance	HardwareComponentPrototype (from HardwareModeling) «atpPrototype»

M2.1.11	M2.1.10	Change	Metaclass/Package
EAType (from Elements)		Added inheritance	HardwareComponentType (from HardwareModeling) «atpType»
portConnector : HardwarePortConnector [*] {composite}		Added association	HardwareComponentType (from HardwareModeling) «atpType»
	portGroup : HardwarePinGroup [*] {composite}	Removed association	HardwareComponentType (from HardwareModeling) «atpType»
pin : HardwarePin [*] {composite}	port : HardwarePin [*] {composite}	Changed association role name	HardwareComponentType (from HardwareModeling) «atpType»
port : HardwarePort [*] {composite}		Added association	HardwareComponentType (from HardwareModeling) «atpType»
	bus : LogicalBus [*] {composite}	Removed association	HardwareComponentType (from HardwareModeling) «atpType»
EAConnector (from Elements)		Added inheritance	HardwareConnector (from HardwareModeling) «atpStructureElement»
pin : HardwarePin [2]	port : HardwarePin [2]	Changed association role name	HardwareConnector (from HardwareModeling) «atpStructureElement»
EAPort (from Elements)		Added inheritance	HardwarePin (from HardwareModeling) {abstract} «atpStructureElement»
	impedance : Float [0..1]	Removed attribute	HardwarePin (from HardwareModeling) {abstract} «atpStructureElement»
	power : Float [0..1]	Removed attribute	HardwarePin (from HardwareModeling) {abstract} «atpStructureElement»
	voltage : Float [0..1]	Removed attribute	HardwarePin (from HardwareModeling) {abstract} «atpStructureElement»
	HardwarePinGroup (from HardwareModeling)	Removed metaclass	HardwarePinGroup (from HardwareModeling)
	Generalizations	ditto	HardwarePinGroup (from HardwareModeling)

M2.1.11	M2.1.10	Change	Metaclass/Package
	EAElement (from Elements)	ditto	HardwarePinGroup (from HardwareModeling)
	Attributes	ditto	HardwarePinGroup (from HardwareModeling)
	No additional attributes	ditto	HardwarePinGroup (from HardwareModeling)
	Associations	ditto	HardwarePinGroup (from HardwareModeling)
	portGroup : HardwarePinGroup [*] {composite}	ditto	HardwarePinGroup (from HardwareModeling)
	port : HardwarePin [*]	ditto	HardwarePinGroup (from HardwareModeling)
	Constraints	ditto	HardwarePinGroup (from HardwareModeling)
	No additional constraints	ditto	HardwarePinGroup (from HardwareModeling)
HardwarePort (from HardwareModeling) «atpStructureElement»		Added metaclass	HardwarePort (from HardwareModeling) «atpStructureElement»
Generalizations		ditto	HardwarePort (from HardwareModeling) «atpStructureElement»
AllocationTarget (from HardwareModeling)		ditto	HardwarePort (from HardwareModeling) «atpStructureElement»
EAPort (from Elements)		ditto	HardwarePort (from HardwareModeling) «atpStructureElement»
Attributes		ditto	HardwarePort (from HardwareModeling) «atpStructureElement»
isShield : Boolean [1]		ditto	HardwarePort (from HardwareModeling) «atpStructureElement»
Associations		ditto	HardwarePort (from HardwareModeling) «atpStructureElement»

M2.1.11	M2.1.10	Change	Metaclass/Package
containedPin : HardwarePin [*] {composite}		ditto	HardwarePort (from HardwareModeling) «atpStructureElement»
referencedPin : HardwarePin [*]		ditto	HardwarePort (from HardwareModeling) «atpStructureElement»
containedPort : HardwarePort [*] {composite}		ditto	HardwarePort (from HardwareModeling) «atpStructureElement»
Constraints		ditto	HardwarePort (from HardwareModeling) «atpStructureElement»
No additional constraints		ditto	HardwarePort (from HardwareModeling) «atpStructureElement»
HardwarePortConnector (from HardwareModeling) «atpStructureElement»		Added metaclass	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
Generalizations		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
AllocationTarget (from HardwareModeling)		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
EAConnector (from Elements)		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
Attributes		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
busSpeed : Float [1]		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
busType : HardwareBusKind [1]		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»

M2.1.11	M2.1.10	Change	Metaclass/Package
Associations		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
connector : HardwareConnector [*] {composite}		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
Dependencies		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
port : HardwarePort [2]		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
«instanceRef»		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
Constraints		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
No additional constraints		ditto	HardwarePortConnector (from HardwareModeling) «atpStructureElement»
	LogicalBus (from HardwareModeling) «atpStructuredElement»	Removed metaclass	LogicalBus (from HardwareModeling) «atpStructuredElement»
	Generalizations	ditto	LogicalBus (from HardwareModeling) «atpStructuredElement»
	AllocationTarget (from HardwareModeling)	ditto	LogicalBus (from HardwareModeling) «atpStructuredElement»
	Attributes	ditto	LogicalBus (from HardwareModeling) «atpStructuredElement»
	busSpeed : Float [1]	ditto	LogicalBus (from HardwareModeling) «atpStructuredElement»

M2.1.11	M2.1.10	Change	Metaclass/Package
	busType : LogicalBusKind [1]	ditto	LogicalBus (from HardwareModeling) «atpStructuredElement»
	Associations	ditto	LogicalBus (from HardwareModeling) «atpStructuredElement»
	wire : HardwareConnector [*]	ditto	LogicalBus (from HardwareModeling) «atpStructuredElement»
	Constraints	ditto	LogicalBus (from HardwareModeling) «atpStructuredElement»
	No additional constraints	ditto	LogicalBus (from HardwareModeling) «atpStructuredElement»
	LogicalBusKind (from HardwareModeling) «enumeration»	Removed metaclass	LogicalBusKind (from HardwareModeling) «enumeration»
	Generalizations	ditto	LogicalBusKind (from HardwareModeling) «enumeration»
	None	ditto	LogicalBusKind (from HardwareModeling) «enumeration»
	Enumeration Literals	ditto	LogicalBusKind (from HardwareModeling) «enumeration»
	EventTriggered	ditto	LogicalBusKind (from HardwareModeling) «enumeration»
	other	ditto	LogicalBusKind (from HardwareModeling) «enumeration»
	TimeandEventTriggered	ditto	LogicalBusKind (from HardwareModeling) «enumeration»
	TimeTriggered	ditto	LogicalBusKind (from HardwareModeling) «enumeration»
	Associations	ditto	LogicalBusKind (from HardwareModeling) «enumeration»

M2.1.11	M2.1.10	Change	Metaclass/Package
	No additional associations	ditto	LogicalBusKind (from HardwareModeling) «enumeration»
	Constraints	ditto	LogicalBusKind (from HardwareModeling) «enumeration»
	No additional constraints	ditto	LogicalBusKind (from HardwareModeling) «enumeration»
	nonVolatileMemory : Integer [1]	Removed attribute	Node (from HardwareModeling)
	volatileMemory : Integer [0..1]	Removed attribute	Node (from HardwareModeling)
[2] Can connect two FunctionClientServerPorts of different clientServerType.	[2] Can connect two ClientServerPorts of different kind.	Changed constraint	ClampConnector (from Environment) «atpStructureElement»
EAExpression (from Values)		Added inheritance	FunctionTrigger (from Behavior)
	triggerCondition : String [1]	Removed attribute	FunctionTrigger (from Behavior)
[4] Only FunctionFlowPort of FlowDirection=in shall be referred to in the association port.	[4] Only FunctionFlowPort of FlowDirection=in shall be referred to in the association port and at least one of them shall trigger the function	Changed constraint	FunctionTrigger (from Behavior)
privateContent : PrivateContent [*] {composite}		Added association	ConfigurableContainer (from Variability)
EAExpression (from Values)	FormulaExpression (from FormulaLanguage)	Changed inheritance	SelectionCriterion (from Variability)
decisionModel : VehicleLevelBinding [*] {composite}	decisionModel : VehicleLevelBinding [*]	Doc generation changed	Variability (from Variability)
[1] Identifies either one FunctionPrototype or one FunctionPort or one	[1] Identifies either one FunctionPrototype or one FunctionPort or one	Changed constraint	VariableElement (from Variability)

M2.1.11	M2.1.10	Change	Metaclass/Package
FunctionConnector or one HardwareComponentPrototype or one HardwarePin or one ClampConnector.	FunctionConnector or one HardwareComponentPrototype or one HardwarePort or one ClampConnector.		
[2] The sourceVehicleFeatureModels shall be different from the targetFeatureModels.	[2] The sourceVehicleFeatureModels shall be different from the targetFeatureModels	Minor editorial change	VehicleLevelBinding (from Variability)
kind : QualityRequirementKind [1]	qualityRequirementType : QualityRequirementKind [1]	Changed attribute name	QualityRequirement (from Requirements)
TraceableSpecification (from Elements)	RequirementSpecificationObject (from Requirements)	Changed inheritance	Requirement (from Requirements)
RequirementsHierarchy (from Requirements)	**RequirementsContainer (from Requirements)**	Changed metaclass name	RequirementsContainer (from Requirements)
containedRequirement : Requirement [0..1]	containedReqSpecObject : RequirementSpecificationObject [0..1]	Changed association role name and type	RequirementsContainer (from Requirements)
childHierarchy : RequirementsHierarchy [*] {ordered} {composite}	childContainer : RequirementsContainer [*] {ordered} {composite}	Changed association role name and type name	RequirementsContainer (from Requirements)
	parentContainer : RequirementsContainer [0..1]	Removed association	RequirementsContainer (from Requirements)
[1] Only non-root RequirementsHierarchy which is contained in another RequirementHierarchy are allowed to reference a	[1] Only non-root RequirementContainers (parentContainer must be set) which have a parentContainer are allowed to reference a	Changed constraint	RequirementsContainer (from Requirements)

M2.1.11	M2.1.10	Change	Metaclass/Package
Requirement.	RequirementSpecificationObject.		
requirementsRelationshipGroup : RequirementsRelationshipGroup [*] {composite}		Added association	RequirementsModel (from Requirements)
requirement : Requirement [*] {composite}	requirement : RequirementSpecificationObject [*] {composite}	Changed association type	RequirementsModel (from Requirements)
requirementsHierarchy : RequirementsHierarchy [*] {ordered} {composite}	requirementContainer : RequirementsContainer [*] {composite}	Changed association role name and type name	RequirementsModel (from Requirements)
requirementType : UserElementType [*] {composite}		Added association	RequirementsModel (from Requirements)
[1] The validFor attribute of the UserElementType shall be "Requirement".	No additional constraints	Added constraint	RequirementsModel (from Requirements)
	RequirementSpecificationObject (from Requirements) {abstract}	Removed metaclass	RequirementSpecificationObject (from Requirements) {abstract}
	Generalizations	ditto	RequirementSpecificationObject (from Requirements) {abstract}
	TraceableSpecification (from Elements)	ditto	RequirementSpecificationObject (from Requirements) {abstract}
	Attributes	ditto	RequirementSpecificationObject (from Requirements) {abstract}
	No additional attributes	ditto	RequirementSpecificationObject (from Requirements) {abstract}
	Associations	ditto	RequirementSpecificationObject (from Requirements) {abstract}

M2.1.11	M2.1.10	Change	Metaclass/Package
	referencingContainer : RequirementsContainer [1..*]	ditto	RequirementSpecificationObject (from Requirements) {abstract}
	Constraints	ditto	RequirementSpecificationObject (from Requirements) {abstract}
	No additional constraints	ditto	RequirementSpecificationObject (from Requirements) {abstract}
	RequirementsRelatedInformation (from Requirements)	Removed metaclass	RequirementsRelatedInformation (from Requirements)
	Generalizations	ditto	RequirementsRelatedInformation (from Requirements)
	RequirementSpecificationObject (from Requirements)	ditto	RequirementsRelatedInformation (from Requirements)
	Attributes	ditto	RequirementsRelatedInformation (from Requirements)
	No additional attributes	ditto	RequirementsRelatedInformation (from Requirements)
	Associations	ditto	RequirementsRelatedInformation (from Requirements)
	No additional associations	ditto	RequirementsRelatedInformation (from Requirements)
	Constraints	ditto	RequirementsRelatedInformation (from Requirements)
	No additional constraints	ditto	RequirementsRelatedInformation (from Requirements)
RequirementsRelationshipGroup (from Requirements)	**RequirementsRelationGroup (from Requirements)**	Changed metaclass name	RequirementsRelationGroup (from Requirements)
requirementsRelationship : RequirementsRelationship [1..*]	relation : RequirementsLink [1..*]	Changed association role name and type name	RequirementsRelationGroup (from Requirements)
	extension : UseCase [1]	Removed association role	Extend (from UseCases)

M2.1.11	M2.1.10	Change	Metaclass/Package
		name	
No additional associations	useCase : UseCase [1]	Removed association role name	ExtensionPoint (from UseCases)
	includingCase : UseCase [1]	Removed association role name	Include (from UseCases)
vvTarget : VVTarget [*]	vvTarget : VVTarget [1..*]	Changed association multiplicity	VVCase (from VerificationValidation)
	vvSubject : Identifiable [1..*]	Changed association to dependency	VVCase (from VerificationValidation)
	concreteVVCase : VVCase [*]	Removed association	VVCase (from VerificationValidation)
Dependencies		Added dependency	VVCase (from VerificationValidation)
vvSubject : Identifiable [*]		Added dependency	VVCase (from VerificationValidation)
«instanceRef»		Added dependency	VVCase (from VerificationValidation)
[1] Only a concrete VVCase can have vvLog.	No additional constraints	Added constraint	VVCase (from VerificationValidation)
[2] Only a concrete VVCase can have vvTarget.		Added constraint	VVCase (from VerificationValidation)
[3] Only a concrete VVCase can have an abstractVVCase.		Added constraint	VVCase (from VerificationValidation)
	concreteVVProcedure : VVProcedure [*]	Removed association	VVProcedure (from VerificationValidation)
[1] Only a concrete VVProcedure can have vvStimuli.	No additional constraints	Added constraint	VVProcedure (from VerificationValidation)
[2] Only a concrete VVProcedure can have vvIntendedOutcome.		Added constraint	VVProcedure (from VerificationValidation)
[3] Only a concrete VVProcedure can have an		Added constraint	VVProcedure (from VerificationValidation)

M2.1.11	M2.1.10	Change	Metaclass/Package
abstractVVProcedure .			
No additional associations	element : Identifiable [*]	Changed association to dependency	VVTarget (from VerificationValidation)
Dependencies		Added dependency	VVTarget (from VerificationValidation)
element : Identifiable [*]		Added dependency	VVTarget (from VerificationValidation)
«instanceRef»		Added dependency	VVTarget (from VerificationValidation)
	Interchange	Removed package	**Interchange**
	RIFArea (from Interchange) {abstract}	Removed metaclass	RIFArea (from Interchange) {abstract}
	Generalizations	ditto	RIFArea (from Interchange) {abstract}
	Context (from Elements)	ditto	RIFArea (from Interchange) {abstract}
	Attributes	ditto	RIFArea (from Interchange) {abstract}
	No additional attributes	ditto	RIFArea (from Interchange) {abstract}
	Associations	ditto	RIFArea (from Interchange) {abstract}
	rootRequirementContainer : RequirementsContainer [*] {ordered} {composite}	ditto	RIFArea (from Interchange) {abstract}
	interchangeReqSpecObject : RequirementSpecificationObject [*] {composite}	ditto	RIFArea (from Interchange) {abstract}
	userDefinedType : UserAttributeElementType [*] {composite}	ditto	RIFArea (from Interchange) {abstract}
	Constraints	ditto	RIFArea (from Interchange) {abstract}
	No additional constraints	ditto	RIFArea (from Interchange) {abstract}
	RIFExportArea (from Interchange)	Removed metaclass	RIFExportArea (from Interchange)
	Generalizations	ditto	RIFExportArea (from Interchange)
	RIFArea (from Interchange)	ditto	RIFExportArea (from Interchange)

M2.1.11	M2.1.10	Change	Metaclass/Package
	Attributes	ditto	RIFExportArea (from Interchange)
	No additional attributes	ditto	RIFExportArea (from Interchange)
	Associations	ditto	RIFExportArea (from Interchange)
	No additional associations	ditto	RIFExportArea (from Interchange)
	Constraints	ditto	RIFExportArea (from Interchange)
	No additional constraints	ditto	RIFExportArea (from Interchange)
	RIFImportArea (from Interchange)	Removed metaclass	RIFImportArea (from Interchange)
	Generalizations	ditto	RIFImportArea (from Interchange)
	RIFArea (from Interchange)	ditto	RIFImportArea (from Interchange)
	Attributes	ditto	RIFImportArea (from Interchange)
	No additional attributes	ditto	RIFImportArea (from Interchange)
	Associations	ditto	RIFImportArea (from Interchange)
	No additional associations	ditto	RIFImportArea (from Interchange)
	Constraints	ditto	RIFImportArea (from Interchange)
	No additional constraints	ditto	RIFImportArea (from Interchange)
No additional attributes	isStateChange : Boolean = true [1]	Removed attribute	Event (from Timing) {abstract}
No additional constraints	[1] In the case that the event reports a [current] state (isStateChange is FALSE), the event must have a periodic event model [or a pattern model]. Rationale: The [current] state shall be reported consistently and periodically.	Removed constraint	Event (from Timing) {abstract}
stimulus : Event [1]	stimulus : Event [1..*]	Changed association multiplicity	EventChain (from Timing)

M2.1.11	M2.1.10	Change	Metaclass/Package
response : Event [1]	response : Event [1..*]	Changed association multiplicity	EventChain (from Timing)
	strand : EventChain [*]	Removed association	EventChain (from Timing)
No additional constraints	[1] The cardinality of strand shall be either 0 or greater than 1. Rationale: Only values > 1 express true parallelism.	Removed constraint	EventChain (from Timing)
	ExecutionTimeConstraint (from Timing)	Removed metaclass	ExecutionTimeConstraint (from Timing)
	Generalizations	ditto	ExecutionTimeConstraint (from Timing)
	TimingConstraint (from Timing)	ditto	ExecutionTimeConstraint (from Timing)
	Attributes	ditto	ExecutionTimeConstraint (from Timing)
	No additional attributes	ditto	ExecutionTimeConstraint (from Timing)
	Associations	ditto	ExecutionTimeConstraint (from Timing)
	targetDesignFunction : DesignFunctionType [0..1]	ditto	ExecutionTimeConstraint (from Timing)
	targetDesignFunctionPrototype : DesignFunctionPrototype [0..1]	ditto	ExecutionTimeConstraint (from Timing)
	variation : TimeDuration [1] {composite}	ditto	ExecutionTimeConstraint (from Timing)
	Constraints	ditto	ExecutionTimeConstraint (from Timing)
	[1] An ExecutionTimeConstraint either identifies a FunctionType or a FunctionPrototype as its target function.	ditto	ExecutionTimeConstraint (from Timing)
	[2] variation shall be a value between 0 and upper-lower.	ditto	ExecutionTimeConstraint (from Timing)

M2.1.11	M2.1.10	Change	Metaclass/Package
	TimeDuration (from Timing)	Removed metaclass	TimeDuration (from Timing)
	Generalizations	ditto	TimeDuration (from Timing)
	EAElement (from Elements)	ditto	TimeDuration (from Timing)
	Attributes	ditto	TimeDuration (from Timing)
	cseCode : CseCodeType = Time [1]	ditto	TimeDuration (from Timing)
	cseCodeFactor : Integer = 1 [1]	ditto	TimeDuration (from Timing)
	value : Float = 0.0 [1]	ditto	TimeDuration (from Timing)
	Associations	ditto	TimeDuration (from Timing)
	No additional associations	ditto	TimeDuration (from Timing)
	Constraints	ditto	TimeDuration (from Timing)
	No additional constraints	ditto	TimeDuration (from Timing)
constraint : TimingConstraint [*] {composite}	timingConstraint : TimingConstraint [*] {composite}	Changed association role name	Timing (from Timing)
description : TimingDescription [*] {composite}	timingDescription : TimingDescription [*] {composite}	Changed association role name	Timing (from Timing)
mode : Mode [0..1]	mode : Mode [*]	Changed association multiplicity	TimingConstraint (from Timing) {abstract}
	upper : TimeDuration [0..1] {composite}	Removed association	TimingConstraint (from Timing) {abstract}
	lower : TimeDuration [0..1] {composite}	Removed association	TimingConstraint (from Timing) {abstract}
No additional constraints	[1] upper shall be greater or equal to lower.	Removed constraint	TimingConstraint (from Timing) {abstract}
TimingExpression (from Timing)		Added metaclass	TimingExpression (from Timing) {abstract}
Generalizations		ditto	TimingExpression (from Timing) {abstract}
EAExpression (from Values)		ditto	TimingExpression (from Timing) {abstract}
Attributes		ditto	TimingExpression (from Timing) {abstract}
No additional attributes		ditto	TimingExpression (from Timing) {abstract}
Associations		ditto	TimingExpression (from Timing) {abstract}

M2.1.11	M2.1.10	Change	Metaclass/Package
No additional associations		ditto	TimingExpression (from Timing) {abstract}
Constraints		ditto	TimingExpression (from Timing) {abstract}
No additional constraints		ditto	TimingExpression (from Timing) {abstract}
AgeConstraint (from TimingConstraints)	**AgeTimingConstraint (from TimingConstraints)**	Renamed metaclass	AgeTimingConstraint (from TimingConstraints)
TimingConstraint (from Timing)	DelayConstraint (from TimingConstraints)	Changed inheritance	AgeTimingConstraint (from TimingConstraints)
scope : EventChain [1]	No additional associations	Added association	AgeTimingConstraint (from TimingConstraints)
maximum : TimingExpression [0..1] {composite}		Added association	AgeTimingConstraint (from TimingConstraints)
minimum : TimingExpression [0..1] {composite}		Added association	AgeTimingConstraint (from TimingConstraints)
ArbitraryConstraint (from TimingConstraints)	**ArbitraryEventConstraint (from TimingConstraints)**	Renamed metaclass	ArbitraryEventConstraint (from TimingConstraints)
TimingConstraint (from Timing)	EventConstraint (from TimingConstraints)	Changed inheritance	ArbitraryEventConstraint (from TimingConstraints)
event : Event [1]		Added association	ArbitraryEventConstraint (from TimingConstraints)
maximum : TimingExpression [1..*] {composite}	maximumInterArrivalTime : TimeDuration [1..*] {composite}	Changed association role name and type	ArbitraryEventConstraint (from TimingConstraints)
minimum : TimingExpression [1..*] {composite}	minimumInterArrivalTime : TimeDuration [1..*] {composite}	Changed association role name and type	ArbitraryEventConstraint (from TimingConstraints)
[1] The number of elements in minimum and maximum must be equal.	[1] The number of elements in the sets minimum inter-arrival time and maximum inter-arrival time must be the same. Rationale: Consistent specification of arrival times.	Changed constraint	ArbitraryEventConstraint (from TimingConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
BurstConstraint (from TimingConstraints)		Added metaclass	BurstConstraint (from TimingConstraints)
Generalizations		ditto	BurstConstraint (from TimingConstraints)
TimingConstraint (from Timing)		ditto	BurstConstraint (from TimingConstraints)
Attributes		ditto	BurstConstraint (from TimingConstraints)
maxOccurences : Integer [1]		ditto	BurstConstraint (from TimingConstraints)
Associations		ditto	BurstConstraint (from TimingConstraints)
event : Event [1]		ditto	BurstConstraint (from TimingConstraints)
length : TimingExpression [1] {composite}		ditto	BurstConstraint (from TimingConstraints)
minimum : TimingExpression [0..1] {composite}		ditto	BurstConstraint (from TimingConstraints)
Constraints		ditto	BurstConstraint (from TimingConstraints)
No additional constraints		ditto	BurstConstraint (from TimingConstraints)
ComparisonConstraint (from TimingConstraints)		Added metaclass	ComparisonConstraint (from TimingConstraints)
Generalizations		ditto	ComparisonConstraint (from TimingConstraints)
None		ditto	ComparisonConstraint (from TimingConstraints)
Attributes		ditto	ComparisonConstraint (from TimingConstraints)
operator : ComparisonKind [1]		ditto	ComparisonConstraint (from TimingConstraints)
Associations		ditto	ComparisonConstraint (from TimingConstraints)
rightOperand : TimingExpression [1] {composite}		ditto	ComparisonConstraint (from TimingConstraints)
leftOperand : TimingExpression [1] {composite}		ditto	ComparisonConstraint (from TimingConstraints)
Constraints		ditto	ComparisonConstraint (from

M2.1.11	M2.1.10	Change	Metaclass/Package
			TimingConstraints)
No additional constraints		ditto	ComparisonConstraint (from TimingConstraints)
ComparisonKind (from TimingConstraints) «enumeration»		Added metaclass	ComparisonKind (from TimingConstraints) «enumeration»
Generalizations		ditto	ComparisonKind (from TimingConstraints) «enumeration»
None		ditto	ComparisonKind (from TimingConstraints) «enumeration»
Enumeration Literals		ditto	ComparisonKind (from TimingConstraints) «enumeration»
equal		ditto	ComparisonKind (from TimingConstraints) «enumeration»
greaterThan		ditto	ComparisonKind (from TimingConstraints) «enumeration»
greaterThanOrEqual		ditto	ComparisonKind (from TimingConstraints) «enumeration»
lessThan		ditto	ComparisonKind (from TimingConstraints) «enumeration»
lessThanOrEqual		ditto	ComparisonKind (from TimingConstraints) «enumeration»
Associations		ditto	ComparisonKind (from TimingConstraints) «enumeration»
No additional associations		ditto	ComparisonKind (from TimingConstraints) «enumeration»
Constraints		ditto	ComparisonKind (from TimingConstraints) «enumeration»
No additional constraints		ditto	ComparisonKind (from TimingConstraints) «enumeration»

M2.1.11	M2.1.10	Change	Metaclass/Package
DelayConstraint (from TimingConstraints)	**DelayConstraint (from TimingConstraints) {abstract}**	Changed metaclass to concrete	DelayConstraint (from TimingConstraints) {abstract}
target : Event [1]		Added association	DelayConstraint (from TimingConstraints) {abstract}
source : Event [1]		Added association	DelayConstraint (from TimingConstraints) {abstract}
lower : TimingExpression [0..1] {composite}		Added association	DelayConstraint (from TimingConstraints) {abstract}
upper : TimingExpression [0..1] {composite}		Added association	DelayConstraint (from TimingConstraints) {abstract}
	jitter : TimeDuration [0..1] {composite}	Removed association	DelayConstraint (from TimingConstraints) {abstract}
	nominal : TimeDuration [0..1] {composite}	Removed association	DelayConstraint (from TimingConstraints) {abstract}
	scope : EventChain [0..1]	Removed association	DelayConstraint (from TimingConstraints) {abstract}
No additional constraints	[1] Exactly one of the following combinations of upper, lower, jitter, and nominal shall be specified: {upper, lower}, {upper, lower, jitter}, {upper}, {lower}, {nominal, jitter}.	Removed constraint	DelayConstraint (from TimingConstraints) {abstract}
	Any combination may in addition have a nominal parameter. If nominal is defined, it shall be in the range [lower ... upper].	ditto	DelayConstraint (from TimingConstraints) {abstract}

M2.1.11	M2.1.10	Change	Metaclass/Package
	Rationale: At least one value is necessary to describe a reasonable DelayConstraint, and the given combinations are sufficient to describe all possible variations.	ditto	DelayConstraint (from TimingConstraints) {abstract}
ExecutionTimeConstraint (from TimingConstraints)		Added metaclass	ExecutionTimeConstraint (from TimingConstraints)
Generalizations		ditto	ExecutionTimeConstraint (from TimingConstraints)
TimingConstraint (from Timing)		ditto	ExecutionTimeConstraint (from TimingConstraints)
Attributes		ditto	ExecutionTimeConstraint (from TimingConstraints)
No additional attributes		ditto	ExecutionTimeConstraint (from TimingConstraints)
Associations		ditto	ExecutionTimeConstraint (from TimingConstraints)
preemption : Event [0..*] {ordered}		ditto	ExecutionTimeConstraint (from TimingConstraints)
stop : Event [1]		ditto	ExecutionTimeConstraint (from TimingConstraints)
start : Event [1]		ditto	ExecutionTimeConstraint (from TimingConstraints)
resume : Event [0..*] {ordered}		ditto	ExecutionTimeConstraint (from TimingConstraints)
upper : TimingExpression [0..1] {composite}		ditto	ExecutionTimeConstraint (from TimingConstraints)
lower : TimingExpression [0..1] {composite}		ditto	ExecutionTimeConstraint (from TimingConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
Constraints		ditto	ExecutionTimeConstraint (from TimingConstraints)
No additional constraints		ditto	ExecutionTimeConstraint (from TimingConstraints)
	EventConstraint (from TimingConstraints) {abstract}	Removed metaclass	EventConstraint (from TimingConstraints) {abstract}
	Generalizations	ditto	EventConstraint (from TimingConstraints) {abstract}
	TimingConstraint (from Timing)	ditto	EventConstraint (from TimingConstraints) {abstract}
	Attributes	ditto	EventConstraint (from TimingConstraints) {abstract}
	No additional attributes	ditto	EventConstraint (from TimingConstraints) {abstract}
	Associations	ditto	EventConstraint (from TimingConstraints) {abstract}
	offset : TimeDuration [0..1] {composite}	ditto	EventConstraint (from TimingConstraints) {abstract}
	event : Event [0..1]	ditto	EventConstraint (from TimingConstraints) {abstract}
	Constraints	ditto	EventConstraint (from TimingConstraints) {abstract}
	No additional constraints	ditto	EventConstraint (from TimingConstraints) {abstract}
TimingConstraint (from Timing)	AgeTimingConstraint (from TimingConstraints)	Changed inheritance	InputSynchronizationConstraint (from TimingConstraints)
scope : EventChain [2..*]		Added association	InputSynchronizationConstraint (from TimingConstraints)
tolerance : TimingExpression [0..1] {composite}	width : TimeDuration [1] {composite}	Changed association role name, type and multiplicity	InputSynchronizationConstraint (from TimingConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
[1] All scopes must reference one common response event.	[1] The set of FunctionFlowPorts referenced by the events should contain only FlowPorts with direction = in. The rationale for this is that the events shall relate to data on FunctionFlowPorts which is considered (or shall be) temporally consistent.	Changed constraint	InputSynchronizationConstraint (from TimingConstraints)
	[2] The semantics of this constraint requires that there is more than one stimulus Event in the scope EventChain (each refering to a different FlowPort with direction = in).	Removed constraint	InputSynchronizationConstraint (from TimingConstraints)
	[3] The parameters 'nominal' and 'jitter' (from DelayConstraint) are not relevant for InputSynchronizationConstraint.	Removed constraint	InputSynchronizationConstraint (from TimingConstraints)
OrderConstraint (from TimingConstraints)		Added metaclass	OrderConstraint (from TimingConstraints)
Generalizations		ditto	OrderConstraint (from TimingConstraints)
TimingConstraint (from Timing)		ditto	OrderConstraint (from TimingConstraints)
Attributes		ditto	OrderConstraint (from TimingConstraints)
No additional attributes		ditto	OrderConstraint (from TimingConstraints)
Associations		ditto	OrderConstraint (from TimingConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
source : Event [1]		ditto	OrderConstraint (from TimingConstraints)
target : Event [1]		ditto	OrderConstraint (from TimingConstraints)
Constraints		ditto	OrderConstraint (from TimingConstraints)
No additional constraints		ditto	OrderConstraint (from TimingConstraints)
TimingConstraint (from Timing)	ReactionConstraint (from TimingConstraints)	Changed inheritance	OutputSynchronizationConstraint (from TimingConstraints)
scope : EventChain [2..*]		Added association	OutputSynchronizationConstraint (from TimingConstraints)
tolerance : TimingExpression [0..1] {composite}	width : TimeDuration [1] {composite}	Changed association role name, type and multiplicity	OutputSynchronizationConstraint (from TimingConstraints)
[1] All scopes must reference one common stimulus event.	[1] The set of FunctionFlowPorts referenced by the events should contain only OutFlowPorts. The rationale for this is that the events shall relate to data on FunctionFlowPorts which is considered (or shall be) temporally consistent.	Changed constraint	OutputSynchronizationConstraint (from TimingConstraints)
	[2] The semantics of this constraint require that there is more than one response Events in the scope EventChain.	Removed constraint	OutputSynchronizationConstraint (from TimingConstraints)
	[3] The parameters 'nominal' and 'jitter' (from DelayConstraint) are not relevant for	Removed constraint	OutputSynchronizationConstraint (from TimingConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
	OutputSynchronizationConstraint.		
PatternConstraint (from TimingConstraints)	**PatternEventConstraint (from TimingConstraints)**	Renamed metaclass	PatternEventConstraint (from TimingConstraints)
TimingConstraint (from Timing)	EventConstraint (from TimingConstraints)	Changed inheritance	PatternEventConstraint (from TimingConstraints)
event : Event [1]		Added association	PatternEventConstraint (from TimingConstraints)
period : TimingExpression [1] {composite}	period : TimeDuration [1] {composite}	Changed association type	PatternEventConstraint (from TimingConstraints)
jitter : TimingExpression [0..1] {composite}	jitter : TimeDuration [1] {composite}	Changed association type and multiplicity	PatternEventConstraint (from TimingConstraints)
minimum : TimingExpression [0..1] {composite}	minimumInterArrivalTime : TimeDuration [1] {composite}	Changed association role name, type and multiplicity	PatternEventConstraint (from TimingConstraints)
offset : TimingExpression [1..*] {composite}	occurrence : TimeDuration [1..*] {ordered} {composite}	Changed association role name, type and multiplicity	PatternEventConstraint (from TimingConstraints)
PeriodicConstraint (from TimingConstraints)	**PeriodicEventConstraint (from TimingConstraints)**	Renamed metaclass	PeriodicEventConstraint (from TimingConstraints)
TimingConstraint (from Timing)	EventConstraint (from TimingConstraints)	Changed inheritance	PeriodicEventConstraint (from TimingConstraints)
event : Event [1]		Added association	PeriodicEventConstraint (from TimingConstraints)
minimum : TimingExpression [0..1] {composite}	minimumInterArrivalTime : TimeDuration [1] {composite}	Changed association role name, type and multiplicity	PeriodicEventConstraint (from TimingConstraints)
period : TimingExpression [1] {composite}	period : TimeDuration [1] {composite}	Changed association type	PeriodicEventConstraint (from TimingConstraints)
jitter : TimingExpression [0..1] {composite}	jitter : TimeDuration [1] {composite}	Changed association type and multiplicity	PeriodicEventConstraint (from TimingConstraints)
TimingConstraint (from Timing)	DelayConstraint (from TimingConstraints)	Changed inheritance	ReactionConstraint (from TimingConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
scope : EventChain [1]	No additional associations	Added association	ReactionConstraint (from TimingConstraints)
maximum : TimingExpression [0..1] {composite}		Added association	ReactionConstraint (from TimingConstraints)
minimum : TimingExpression [0..1] {composite}		Added association	ReactionConstraint (from TimingConstraints)
RepetitionConstraint (from TimingConstraints)		Added metaclass	RepetitionConstraint (from TimingConstraints)
Generalizations		ditto	RepetitionConstraint (from TimingConstraints)
TimingConstraint (from Timing)		ditto	RepetitionConstraint (from TimingConstraints)
Attributes		ditto	RepetitionConstraint (from TimingConstraints)
span : Integer = 1 [1]		ditto	RepetitionConstraint (from TimingConstraints)
Associations		ditto	RepetitionConstraint (from TimingConstraints)
event : Event [1]		ditto	RepetitionConstraint (from TimingConstraints)
jitter : TimingExpression [0..1] {composite}		ditto	RepetitionConstraint (from TimingConstraints)
lower : TimingExpression [0..1] {composite}		ditto	RepetitionConstraint (from TimingConstraints)
upper : TimingExpression [0..1] {composite}		ditto	RepetitionConstraint (from TimingConstraints)
Constraints		ditto	RepetitionConstraint (from TimingConstraints)
No additional constraints		ditto	RepetitionConstraint (from TimingConstraints)
SporadicConstraint (from TimingConstraints)	**SporadicEventConstraint (from TimingConstraints)**	Renamed metaclass	SporadicEventConstraint (from TimingConstraints)
TimingConstraint (from Timing)	EventConstraint (from	Changed inheritance	SporadicEventConstraint (from

M2.1.11	M2.1.10	Change	Metaclass/Package
	TimingConstraints)		TimingConstraints)
event : Event [1]		Added association	SporadicEventConstraint (from TimingConstraints)
lower : TimingExpression [0..1] {composite}		Added association	SporadicEventConstraint (from TimingConstraints)
minimum : TimingExpression [0..1] {composite}		Added association	SporadicEventConstraint (from TimingConstraints)
upper : TimingExpression [0..1] {composite}		Added association	SporadicEventConstraint (from TimingConstraints)
jitter : TimingExpression [0..1] {composite}	jitter : TimeDuration [0..1] {composite}	Changed association type	SporadicEventConstraint (from TimingConstraints)
	period : TimeDuration [1] {composite}	Removed association	SporadicEventConstraint (from TimingConstraints)
	maximumInterArrivalTime : TimeDuration [0..1] {composite}	Removed association	SporadicEventConstraint (from TimingConstraints)
	minimumInterArrivalTime : TimeDuration [1] {composite}	Removed association	SporadicEventConstraint (from TimingConstraints)
StrongDelayConstraint (from TimingConstraints)		Added metaclass	StrongDelayConstraint (from TimingConstraints)
Generalizations		ditto	StrongDelayConstraint (from TimingConstraints)
TimingConstraint (from Timing)		ditto	StrongDelayConstraint (from TimingConstraints)
Attributes		ditto	StrongDelayConstraint (from TimingConstraints)
No additional attributes		ditto	StrongDelayConstraint (from TimingConstraints)
Associations		ditto	StrongDelayConstraint (from TimingConstraints)
source : Event [1]		ditto	StrongDelayConstraint (from TimingConstraints)
target : Event [1]		ditto	StrongDelayConstraint (from

M2.1.11	M2.1.10	Change	Metaclass/Package
			TimingConstraints)
lower : TimingExpression [0..1] {composite}		ditto	StrongDelayConstraint (from TimingConstraints)
upper : TimingExpression [0..1] {composite}		ditto	StrongDelayConstraint (from TimingConstraints)
Constraints		ditto	StrongDelayConstraint (from TimingConstraints)
No additional constraints		ditto	StrongDelayConstraint (from TimingConstraints)
StrongSynchronizationConstraint (from TimingConstraints)		Added metaclass	StrongSynchronizationConstraint (from TimingConstraints)
Generalizations		ditto	StrongSynchronizationConstraint (from TimingConstraints)
TimingConstraint (from Timing)		ditto	StrongSynchronizationConstraint (from TimingConstraints)
Attributes		ditto	StrongSynchronizationConstraint (from TimingConstraints)
No additional attributes		ditto	StrongSynchronizationConstraint (from TimingConstraints)
Associations		ditto	StrongSynchronizationConstraint (from TimingConstraints)
event : Event [2..*]		ditto	StrongSynchronizationConstraint (from TimingConstraints)
tolerance : TimingExpression [0..1] {composite}		ditto	StrongSynchronizationConstraint (from TimingConstraints)
Constraints		ditto	StrongSynchronizationConstraint (from TimingConstraints)
No additional constraints		ditto	StrongSynchronizationConstraint (from TimingConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
SynchronizationConstraint (from TimingConstraints)		Added metaclass	SynchronizationConstraint (from TimingConstraints)
Generalizations		ditto	SynchronizationConstraint (from TimingConstraints)
TimingConstraint (from Timing)		ditto	SynchronizationConstraint (from TimingConstraints)
Attributes		ditto	SynchronizationConstraint (from TimingConstraints)
No additional attributes		ditto	SynchronizationConstraint (from TimingConstraints)
Associations		ditto	SynchronizationConstraint (from TimingConstraints)
event : Event [2..*]		ditto	SynchronizationConstraint (from TimingConstraints)
tolerance : TimingExpression [0..1] {composite}		ditto	SynchronizationConstraint (from TimingConstraints)
Constraints		ditto	SynchronizationConstraint (from TimingConstraints)
No additional constraints		ditto	SynchronizationConstraint (from TimingConstraints)
AUTOSAREvent (from Events)		Added metaclass	AUTOSAREvent (from Events)
Generalizations		ditto	AUTOSAREvent (from Events)
Event (from Timing)		ditto	AUTOSAREvent (from Events)
Attributes		ditto	AUTOSAREvent (from Events)
No additional attributes		ditto	AUTOSAREvent (from Events)
Associations		ditto	AUTOSAREvent (from Events)
ref : TimingDescriptionEvent [1]		ditto	AUTOSAREvent (from Events)
Constraints		ditto	AUTOSAREvent (from Events)
No additional constraints		ditto	AUTOSAREvent (from Events)

M2.1.11	M2.1.10	Change	Metaclass/Package
EventFaultFailure (from Events)		Added metaclass	EventFaultFailure (from Events)
Generalizations		ditto	EventFaultFailure (from Events)
Event (from Timing)		ditto	EventFaultFailure (from Events)
Attributes		ditto	EventFaultFailure (from Events)
No additional attributes		ditto	EventFaultFailure (from Events)
Associations		ditto	EventFaultFailure (from Events)
faultFailure : FaultFailure [1]		ditto	EventFaultFailure (from Events)
Constraints		ditto	EventFaultFailure (from Events)
No additional constraints		ditto	EventFaultFailure (from Events)
EventFeatureFlaw (from Events)		Added metaclass	EventFeatureFlaw (from Events)
Generalizations		ditto	EventFeatureFlaw (from Events)
Event (from Timing)		ditto	EventFeatureFlaw (from Events)
Attributes		ditto	EventFeatureFlaw (from Events)
No additional attributes		ditto	EventFeatureFlaw (from Events)
Associations		ditto	EventFeatureFlaw (from Events)
featureFlaw : FeatureFlaw [1]		ditto	EventFeatureFlaw (from Events)
Constraints		ditto	EventFeatureFlaw (from Events)
No additional constraints		ditto	EventFeatureFlaw (from Events)
EAExpression (from Values)		Added inheritance	EventFunctionClientServerPort (from Events)
EAExpression (from Values)		Added inheritance	EventFunctionFlowPort (from Events)
ExternalEvent (from Events)		Added metaclass	ExternalEvent (from Events)
Generalizations		ditto	ExternalEvent (from Events)
Event (from Timing)		ditto	ExternalEvent (from Events)
Attributes		ditto	ExternalEvent (from Events)
No additional attributes		Removed attribute	ExternalEvent (from Events)
Associations		ditto	ExternalEvent (from Events)

M2.1.11	M2.1.10	Change	Metaclass/Package
No additional associations		ditto	ExternalEvent (from Events)
Constraints		ditto	ExternalEvent (from Events)
No additional constraints		ditto	ExternalEvent (from Events)
ModeEvent (from Events)		Added metaclass	ModeEvent (from Events)
Generalizations		ditto	ModeEvent (from Events)
Event (from Timing)		ditto	ModeEvent (from Events)
Attributes		ditto	ModeEvent (from Events)
No additional attributes		ditto	ModeEvent (from Events)
Associations		ditto	ModeEvent (from Events)
start : Mode [*]		ditto	ModeEvent (from Events)
end : Mode [*]		ditto	ModeEvent (from Events)
Constraints		ditto	ModeEvent (from Events)
No additional constraints		ditto	ModeEvent (from Events)
StateEvent (from Events)		NOTE refer to annex, Added metaclass	StateEvent (from Events)
Generalizations		ditto	StateEvent (from Events)
Event (from Timing)		ditto	StateEvent (from Events)
Attributes		ditto	StateEvent (from Events)
No additional attributes		ditto	StateEvent (from Events)
Associations		ditto	StateEvent (from Events)
end : State [0..1]		ditto	StateEvent (from Events)
start : State [0..1]		ditto	StateEvent (from Events)
Constraints		ditto	StateEvent (from Events)
No additional constraints		ditto	StateEvent (from Events)
No additional attributes	genericDescription : String [1]	Removed attribute	Anomaly (from ErrorModel) {abstract} «atpPrototype»
	owner : ErrorModelType [1]	Removed association role name	ErrorBehavior (from ErrorModel)

M2.1.11	M2.1.10	Change	Metaclass/Package
EAPrototype (from Elements)		Added inheritance	ErrorModelPrototype (from ErrorModel) «atpPrototype»
EAType (from Elements)		Added inheritance	ErrorModelType (from ErrorModel) «atpType»
No additional attributes	genericDescription : String = NA [1]	Removed attribute	ErrorModelType (from ErrorModel) «atpType»
externalFault : FaultInPort [*] {composite}	externalFault : FaultInPort [*]	Doc generation changed	ErrorModelType (from ErrorModel) «atpType»
[1] An ErrorModelType without part shall have one errorBehaviorDescription.	An ErrorModelType without part shall have one errorBehaviorDescription	Minor editorial change	ErrorModelType (from ErrorModel) «atpType»
EAPort (from Elements)		Added inheritance	FaultFailurePort (from ErrorModel) {abstract} «atpPrototype»
EAConnector (from Elements)		Added inheritance	FaultFailurePropagationLink (from ErrorModel)
faultFailureValue : EAValue [1] {composite}	faultFailureValue : EADatatypePrototype [1] {composite}	Changed association type	FaultFailure (from SafetyConstraints)
anomaly : Anomaly [*]	anomaly : Anomaly [0..1]	Changed association multiplicity	FaultFailure (from SafetyConstraints)
[1] faultFailureValue shall have the same datatype as the referenced Anomal(ies) or be of type EABoolean.	No additional constraints	Added constraint	FaultFailure (from SafetyConstraints)
RequirementsHierarchy (from Requirements)	RequirementsContainer (from Requirements)	Changed inheritance	FunctionalSafetyConcept (from SafetyRequirement)
RequirementsHierarchy (from Requirements)	RequirementsContainer (from Requirements)	Changed inheritance	TechnicalSafetyConcept (from SafetyRequirement)
kind : GenericConstraintKind [1]	genericConstraintType : GenericConstraintKind [1]	Changed attribute name	GenericConstraint (from GenericConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
	genericConstraintValue : String [1]	Removed attribute	GenericConstraint (from GenericConstraints)
value : EAValue [0..1] {composite}		Added association	GenericConstraint (from GenericConstraints)
current		Added enumeration literal	GenericConstraintKind (from GenericConstraints) «enumeration»
functionAllocationDifferentHW	functionAllocationDifferentNodes	Changed enumeration literal name	GenericConstraintKind (from GenericConstraints) «enumeration»
functionAllocationSameHW	functionAllocationSameNode	Changed enumeration literal name	GenericConstraintKind (from GenericConstraints) «enumeration»
impedance		Added enumeration literal	GenericConstraintKind (from GenericConstraints) «enumeration»
insulation		Added enumeration literal	GenericConstraintKind (from GenericConstraints) «enumeration»
memory		Added enumeration literal	GenericConstraintKind (from GenericConstraints) «enumeration»
nonVolatileMemory		Added enumeration literal	GenericConstraintKind (from GenericConstraints) «enumeration»
realizationDifferent		Added enumeration literal	GenericConstraintKind (from GenericConstraints) «enumeration»
realizationSame		Added enumeration literal	GenericConstraintKind (from GenericConstraints) «enumeration»
utilization		Added enumeration literal	GenericConstraintKind (from GenericConstraints) «enumeration»
volatileMemory		Added enumeration literal	GenericConstraintKind (from GenericConstraints) «enumeration»
voltage		Added enumeration literal	GenericConstraintKind (from GenericConstraints) «enumeration»
ArrayDatatype (from Datatypes)		Added metaclass	ArrayDatatype (from Datatypes)
Generalizations		ditto	ArrayDatatype (from Datatypes)

M2.1.11	M2.1.10	Change	Metaclass/Package
EADatatype (from Datatypes)		ditto	ArrayDatatype (from Datatypes)
Attributes		ditto	ArrayDatatype (from Datatypes)
maxLength : Integer [0..1]		ditto	ArrayDatatype (from Datatypes)
minLength : Integer [0..1]		ditto	ArrayDatatype (from Datatypes)
Associations		ditto	ArrayDatatype (from Datatypes)
elementType : EADatatype [1]		ditto	ArrayDatatype (from Datatypes)
		ditto	ArrayDatatype (from Datatypes)
Constraints		ditto	ArrayDatatype (from Datatypes)
No additional constraints		ditto	ArrayDatatype (from Datatypes)
EANumerical (from Datatypes)		Added metaclass	EANumerical (from Datatypes)
Generalizations		ditto	EANumerical (from Datatypes)
EADatatype (from Datatypes)		ditto	EANumerical (from Datatypes)
Attributes		ditto	EANumerical (from Datatypes)
max : Numerical [0..1]		ditto	EANumerical (from Datatypes)
min : Numerical [0..1]		ditto	EANumerical (from Datatypes)
Associations		ditto	EANumerical (from Datatypes)
unit : Unit [0..1]		ditto	EANumerical (from Datatypes)
Constraints		ditto	EANumerical (from Datatypes)
No additional constraints		ditto	EANumerical (from Datatypes)
	EAFloat (from Datatypes)	Removed metaclass	EAFloat (from Datatypes)
	Generalizations	ditto	EAFloat (from Datatypes)
	RangeableDatatype (from Datatypes)	ditto	EAFloat (from Datatypes)
	Attributes	ditto	EAFloat (from Datatypes)
	max : Float [0..1]	ditto	EAFloat (from Datatypes)
	min : Float [0..1]	ditto	EAFloat (from Datatypes)
	Associations	ditto	EAFloat (from Datatypes)
	No additional associations	ditto	EAFloat (from Datatypes)
	Constraints	ditto	EAFloat (from Datatypes)

M2.1.11	M2.1.10	Change	Metaclass/Package
	No additional constraints	ditto	EAFloat (from Datatypes)
	EAInteger (from Datatypes)	Removed metaclass	EAInteger (from Datatypes)
	Generalizations	ditto	EAInteger (from Datatypes)
	RangeableDatatype (from Datatypes)	ditto	EAInteger (from Datatypes)
	Attributes	ditto	EAInteger (from Datatypes)
	max : Integer [0..1]	ditto	EAInteger (from Datatypes)
	min : Integer [0..1]	ditto	EAInteger (from Datatypes)
	Associations	ditto	EAInteger (from Datatypes)
	No additional associations	ditto	EAInteger (from Datatypes)
	Constraints	ditto	EAInteger (from Datatypes)
	No additional constraints	ditto	EAInteger (from Datatypes)
isMultiValued : Boolean [1]	No additional attributes	Added attribute	Enumeration (from Datatypes)
Quantity (from Datatypes)		Added metaclass	Quantity (from Datatypes)
Generalizations		ditto	Quantity (from Datatypes)
EAPackageableElement (from Elements)		ditto	Quantity (from Datatypes)
Attributes		ditto	Quantity (from Datatypes)
amountOfSubstanceExp : Integer = 0 [1]		ditto	Quantity (from Datatypes)
electricCurrentExp : Integer = 0 [1]		ditto	Quantity (from Datatypes)
lengthExp : Integer = 0 [1]		ditto	Quantity (from Datatypes)
luminousIntensityExp : Integer = 0 [1]		ditto	Quantity (from Datatypes)
massExp : Integer = 0 [1]		ditto	Quantity (from Datatypes)
thermodynamicTemperatureExp : Integer = 0 [1]		ditto	Quantity (from Datatypes)
timeExp : Integer = 0 [1]		ditto	Quantity (from Datatypes)
Associations		ditto	Quantity (from Datatypes)
No additional associations		ditto	Quantity (from Datatypes)

M2.1.11	M2.1.10	Change	Metaclass/Package
Constraints		ditto	Quantity (from Datatypes)
No additional constraints		ditto	Quantity (from Datatypes)
	EnumerationValueType (from Datatypes)	Removed metaclass	EnumerationValueType (from Datatypes)
	Generalizations	ditto	EnumerationValueType (from Datatypes)
	ValueType (from Datatypes)	ditto	EnumerationValueType (from Datatypes)
	Attributes	ditto	EnumerationValueType (from Datatypes)
	isMultiValued : Boolean [1]	ditto	EnumerationValueType (from Datatypes)
	literalSemantics : String [2..*]	ditto	EnumerationValueType (from Datatypes)
	Associations	ditto	EnumerationValueType (from Datatypes)
	baseEnumeration : Enumeration [1]	ditto	EnumerationValueType (from Datatypes)
	Constraints	ditto	EnumerationValueType (from Datatypes)
	No additional constraints	ditto	EnumerationValueType (from Datatypes)
	RangeableDatatype (from Datatypes) {abstract}	Removed metaclass	RangeableDatatype (from Datatypes) {abstract}
	Generalizations	ditto	RangeableDatatype (from Datatypes) {abstract}
	EADatatype (from Datatypes)	ditto	RangeableDatatype (from Datatypes) {abstract}
	Attributes	ditto	RangeableDatatype (from Datatypes) {abstract}
	No additional attributes	ditto	RangeableDatatype (from Datatypes) {abstract}
	Associations	ditto	RangeableDatatype (from Datatypes) {abstract}
	No additional associations	ditto	RangeableDatatype (from Datatypes) {abstract}
	Constraints	ditto	RangeableDatatype (from Datatypes) {abstract}
	No additional constraints	ditto	RangeableDatatype (from Datatypes)

M2.1.11	M2.1.10	Change	Metaclass/Package
			{abstract}
EADatatype (from Datatypes)	ValueType (from Datatypes)	Changed inheritance	RangeableValueType (from Datatypes)
baseRangeable : EANumerical [1]	baseRangeable : RangeableDatatype [1]	Changed association type	RangeableValueType (from Datatypes)
	ValueType (from Datatypes) {abstract}	Removed metaclass	ValueType (from Datatypes) {abstract}
	Generalizations	ditto	ValueType (from Datatypes) {abstract}
	EADatatype (from Datatypes)	ditto	ValueType (from Datatypes) {abstract}
	Attributes	ditto	ValueType (from Datatypes) {abstract}
	dimension : String [0..1]	ditto	ValueType (from Datatypes) {abstract}
	semantics : String [1]	ditto	ValueType (from Datatypes) {abstract}
	unit : String [0..1]	ditto	ValueType (from Datatypes) {abstract}
	Associations	ditto	ValueType (from Datatypes) {abstract}
	No additional associations	ditto	ValueType (from Datatypes) {abstract}
	Constraints	ditto	ValueType (from Datatypes) {abstract}
	No additional constraints	ditto	ValueType (from Datatypes) {abstract}
Unit (from Datatypes)		Added metaclass	Unit (from Datatypes)
Generalizations		ditto	Unit (from Datatypes)
EAPackageableElement (from Elements)		ditto	Unit (from Datatypes)
Attributes		ditto	Unit (from Datatypes)
factor : Float [1]		ditto	Unit (from Datatypes)
offset : Float [1]		ditto	Unit (from Datatypes)
symbol : String [1]		ditto	Unit (from Datatypes)
Associations		ditto	Unit (from Datatypes)
quantity : Quantity [0..1]		ditto	Unit (from Datatypes)
reference : Unit [0..1]		ditto	Unit (from Datatypes)
Constraints		ditto	Unit (from Datatypes)
No additional constraints		ditto	Unit (from Datatypes)

M2.1.11	M2.1.10	Change	Metaclass/Package
Values		Added package	**Values**
EAArrayValue (from Values)		Added metaclass	EAArrayValue (from Values)
Generalizations		ditto	EAArrayValue (from Values)
EAValue (from Values)		ditto	EAArrayValue (from Values)
Attributes		ditto	EAArrayValue (from Values)
No additional attributes		ditto	EAArrayValue (from Values)
Associations		ditto	EAArrayValue (from Values)
value : EAValue [*] {ordered} {composite}		ditto	EAArrayValue (from Values)
Constraints		ditto	EAArrayValue (from Values)
[1] Shall be typed by an ArrayDatatype.		ditto	EAArrayValue (from Values)
EABooleanValue (from Values)		Added metaclass	EABooleanValue (from Values)
Generalizations		ditto	EABooleanValue (from Values)
EAValue (from Values)		ditto	EABooleanValue (from Values)
Attributes		ditto	EABooleanValue (from Values)
value : Boolean [1]		ditto	EABooleanValue (from Values)
Associations		ditto	EABooleanValue (from Values)
No additional associations		ditto	EABooleanValue (from Values)
Constraints		ditto	EABooleanValue (from Values)
[1] Shall be typed by an EABoolean.		ditto	EABooleanValue (from Values)
EACompositeValue (from Values)		Added metaclass	EACompositeValue (from Values)
Generalizations		ditto	EACompositeValue (from Values)
EAValue (from Values)		ditto	EACompositeValue (from Values)
Attributes		ditto	EACompositeValue (from Values)

M2.1.11	M2.1.10	Change	Metaclass/Package
No additional attributes		ditto	EACompositeValue (from Values)
Associations		ditto	EACompositeValue (from Values)
value : EAValue [1..*] {ordered} {composite}		ditto	EACompositeValue (from Values)
Constraints		ditto	EACompositeValue (from Values)
[1] Shall be typed by an CompositeDatatype.		ditto	EACompositeValue (from Values)
[2] The values in this EACompositeValue shall be typed and ordered in the same way as the EADatatypePrototypes in the typing CompositeDatatype.		ditto	EACompositeValue (from Values)
EAEnumerationValue (from Values)		Added metaclass	EAEnumerationValue (from Values)
Generalizations		ditto	EAEnumerationValue (from Values)
EAValue (from Values)		ditto	EAEnumerationValue (from Values)
Attributes		ditto	EAEnumerationValue (from Values)
No additional attributes		ditto	EAEnumerationValue (from Values)
Associations		ditto	EAEnumerationValue (from Values)
value : EnumerationLiteral [1..*]		ditto	EAEnumerationValue (from Values)
Constraints		ditto	EAEnumerationValue (from Values)
[1] Shall be typed by an Enumeration or an EnumerationValueType.		ditto	EAEnumerationValue (from Values)
EAExpression (from Values) «atpMixedString»		Added metaclass	EAExpression (from Values) «atpMixedString»
Generalizations		ditto	EAExpression (from Values)

M2.1.11	M2.1.10	Change	Metaclass/Package
			«atpMixedString»
EAValue (from Values)		ditto	EAExpression (from Values) «atpMixedString»
Attributes		ditto	EAExpression (from Values) «atpMixedString»
No additional attributes		ditto	EAExpression (from Values) «atpMixedString»
Associations		ditto	EAExpression (from Values) «atpMixedString»
No additional associations		ditto	EAExpression (from Values) «atpMixedString»
Constraints		ditto	EAExpression (from Values) «atpMixedString»
No additional constraints		ditto	EAExpression (from Values) «atpMixedString»
EANumericalValue (from Values)		Added metaclass	EANumericalValue (from Values)
Generalizations		ditto	EANumericalValue (from Values)
EAValue (from Values)		ditto	EANumericalValue (from Values)
Attributes		ditto	EANumericalValue (from Values)
value : Numerical [1]		ditto	EANumericalValue (from Values)
Associations		ditto	EANumericalValue (from Values)
No additional associations		ditto	EANumericalValue (from Values)
Constraints		ditto	EANumericalValue (from Values)
[1] Shall be typed by an EANumerical or a RangeableValueType.		ditto	EANumericalValue (from Values)
EAStringValue (from Values)		Added metaclass	EAStringValue (from Values)
Generalizations		ditto	EAStringValue (from Values)
EAValue (from Values)		ditto	EAStringValue (from Values)

M2.1.11	M2.1.10	Change	Metaclass/Package
Attributes		ditto	EAStringValue (from Values)
value : String [1]		ditto	EAStringValue (from Values)
Associations		ditto	EAStringValue (from Values)
No additional associations		ditto	EAStringValue (from Values)
Constraints		ditto	EAStringValue (from Values)
[1] Shall be typed by an EAString.		ditto	EAStringValue (from Values)
EAValue (from Values) {abstract} «atpPrototype»		Added metaclass	EAValue (from Values) {abstract}
Generalizations		ditto	EAValue (from Values) {abstract}
None		ditto	EAValue (from Values) {abstract}
Attributes		ditto	EAValue (from Values) {abstract}
No additional attributes		ditto	EAValue (from Values) {abstract}
Associations		ditto	EAValue (from Values) {abstract}
type : EADatatype [1]		ditto	EAValue (from Values) {abstract}
«isOfType»		ditto	EAValue (from Values) {abstract}
Constraints		ditto	EAValue (from Values) {abstract}
No additional constraints		ditto	EAValue (from Values) {abstract}
EAConnector (from Elements) {abstract}		Added metaclass	EAConnector (from Elements) {abstract}
Generalizations		ditto	EAConnector (from Elements) {abstract}
None		ditto	EAConnector (from Elements) {abstract}
Attributes		ditto	EAConnector (from Elements) {abstract}
No additional attributes		ditto	EAConnector (from Elements) {abstract}
Associations		ditto	EAConnector (from Elements) {abstract}
No additional associations		ditto	EAConnector (from Elements) {abstract}
Constraints		ditto	EAConnector (from Elements) {abstract}
No additional constraints		ditto	EAConnector (from Elements) {abstract}

M2.1.11	M2.1.10	Change	Metaclass/Package
EAPort (from Elements) {abstract}		Added metaclass	EAPort (from Elements) {abstract}
Generalizations		ditto	EAPort (from Elements) {abstract}
None		ditto	EAPort (from Elements) {abstract}
Attributes		ditto	EAPort (from Elements) {abstract}
No additional attributes		ditto	EAPort (from Elements) {abstract}
Associations		ditto	EAPort (from Elements) {abstract}
No additional associations		ditto	EAPort (from Elements) {abstract}
Constraints		ditto	EAPort (from Elements) {abstract}
No additional constraints		ditto	EAPort (from Elements) {abstract}
EAPrototype (from Elements) {abstract}		Added metaclass	EAPrototype (from Elements) {abstract}
Generalizations		ditto	EAPrototype (from Elements) {abstract}
None		ditto	EAPrototype (from Elements) {abstract}
Attributes		ditto	EAPrototype (from Elements) {abstract}
No additional attributes		ditto	EAPrototype (from Elements) {abstract}
Associations		ditto	EAPrototype (from Elements) {abstract}
No additional associations		ditto	EAPrototype (from Elements) {abstract}
Constraints		ditto	EAPrototype (from Elements) {abstract}
No additional constraints		ditto	EAPrototype (from Elements) {abstract}
EAType (from Elements) {abstract}		Added metaclass	EAType (from Elements) {abstract}
Generalizations		ditto	EAType (from Elements) {abstract}
None		ditto	EAType (from Elements) {abstract}
Attributes		ditto	EAType (from Elements) {abstract}
No additional attributes		ditto	EAType (from Elements) {abstract}
Associations		ditto	EAType (from Elements) {abstract}
No additional associations		ditto	EAType (from Elements) {abstract}

M2.1.11	M2.1.10	Change	Metaclass/Package
Constraints		ditto	EAType (from Elements) {abstract}
No additional constraints		ditto	EAType (from Elements) {abstract}
	MultiLevelReference (from Elements)	Removed metaclass	MultiLevelReference (from Elements)
	Generalizations	ditto	MultiLevelReference (from Elements)
	Relationship (from Elements)	ditto	MultiLevelReference (from Elements)
	Attributes	ditto	MultiLevelReference (from Elements)
	No additional attributes	ditto	MultiLevelReference (from Elements)
	Associations	ditto	MultiLevelReference (from Elements)
	referring : EAElement [1]	ditto	MultiLevelReference (from Elements)
	reference : EAElement [1]	ditto	MultiLevelReference (from Elements)
	Constraints	ditto	MultiLevelReference (from Elements)
	No additional constraints	ditto	MultiLevelReference (from Elements)
[1] The realizedBy elements shall be on a lower abstraction level than the realized relements.	The realizedBy elements shall be on a lower abstraction level than the realized relements.	Minor editorial change	Realization (from Elements)
[2] The realizedBy or realized elements shall be structural or behavioral.	The realizedBy or realized elements shall be structural or behavioral	Minor editorial change	Realization (from Elements)
EAPackageableElement (from Elements)	EAElement (from Elements)	Changed inheritance	UserAttributeDefinition (from UserAttributes)
No additional attributes	defaultValue : String [0..1]	Removed attribute	UserAttributeDefinition (from UserAttributes)
defaultValue : EAValue [0..1] {composite}		Added association	UserAttributeDefinition (from UserAttributes)
UserAttributedElement (from UserAttributes)	**UserAttributeableElement (from UserAttributes)**	Changed metaclass name	UserAttributeableElement (from UserAttributes)

M2.1.11	M2.1.10	Change	Metaclass/Package
EAPackageableElement (from Elements)	None	Added inheritance	UserAttributeableElement (from UserAttributes)
uaValue : EAValue [*] {ordered} {composite}	uaValue : UserAttributeValue [*] {composite}	Changed association type	UserAttributeableElement (from UserAttributes)
uaType : UserElementType [*] {ordered}	uaType : UserAttributeElementType [*]	Changed association type name	UserAttributeableElement (from UserAttributes)
[1] The associations "uaValue" and the uaDefinitions of all "uaType"s must refer to the same number of elements.	No additional constraints	Added constraint	UserAttributeableElement (from UserAttributes)
[2] The order of associations "uaValue" and "uaType" / "uaDefinition" must be consistent, i.e. the n-th EAValue must correspond to the n-th UserAttributeDefinition when listing all UserElementTypes' definitions in depth-first order.		Added constraint	UserAttributeableElement (from UserAttributes)
UserElementType (from UserAttributes)	**UserAttributeElementType (from UserAttributes)**	Changed metaclass name	UserAttributeElementType (from UserAttributes)
key : String [1]		Added attribute	UserAttributeElementType (from UserAttributes)
uaDefinition : UserAttributeDefinition [*] {ordered} {composite}		Added association	UserAttributeElementType (from UserAttributes)
	extendedElementType : UserAttributeElementType [0..1]	Removed association	UserAttributeElementType (from UserAttributes)

M2.1.11	M2.1.10	Change	Metaclass/Package
	attribute : UserAttributeDefinition [*] {composite}	Removed association	UserAttributeElementType (from UserAttributes)
[1] The short names of all UserAttributeDefinitions (i.e. value of attribute "shortName" in UserAttributeDefinition, which is inherited from meta-class Referrable) referred to by association "uaDefinition" must be unique within this UserElementType. In other words, no two UserAttributeDefinitions referred to by association "uaDefinition" must have the same short name.	No additional constraints	Added constraint	UserAttributeElementType (from UserAttributes)
	UserAttributeValue (from UserAttributes)	Removed metaclass	UserAttributeValue (from UserAttributes)
	Generalizations	ditto	UserAttributeValue (from UserAttributes)
	EAElement (from Elements)	ditto	UserAttributeValue (from UserAttributes)
	Attributes	ditto	UserAttributeValue (from UserAttributes)
	semantics : String [0..1]	ditto	UserAttributeValue (from UserAttributes)
	value : String [1]	ditto	UserAttributeValue (from UserAttributes)
	Associations	ditto	UserAttributeValue (from UserAttributes)
	definition : UserAttributeDefinition [0..1]	ditto	UserAttributeValue (from UserAttributes)
	Constraints	ditto	UserAttributeValue (from UserAttributes)
	No additional constraints	ditto	UserAttributeValue (from UserAttributes)

M2.1.11	M2.1.10	Change	Metaclass/Package
	BehaviorConstraints	Removed package	**BehaviorConstraints**
	BehaviorAnnex (from BehaviorConstraints)	Removed metaclass	BehaviorAnnex (from BehaviorConstraints)
	Generalizations	ditto	BehaviorAnnex (from BehaviorConstraints)
	Context (from Elements)	ditto	BehaviorAnnex (from BehaviorConstraints)
	Attributes	ditto	BehaviorAnnex (from BehaviorConstraints)
	No additional attributes	ditto	BehaviorAnnex (from BehaviorConstraints)
	Associations	ditto	BehaviorAnnex (from BehaviorConstraints)
	behaviorConstraint : BehaviorConstraint [*] {composite}	ditto	BehaviorAnnex (from BehaviorConstraints)
	Constraints	ditto	BehaviorAnnex (from BehaviorConstraints)
	No additional constraints	ditto	BehaviorAnnex (from BehaviorConstraints)
	BehaviorConstraint (from BehaviorConstraints) {abstract}	Removed metaclass	BehaviorConstraint (from BehaviorConstraints) {abstract}
	Generalizations	ditto	BehaviorConstraint (from BehaviorConstraints) {abstract}
	EAElement (from Elements)	ditto	BehaviorConstraint (from BehaviorConstraints) {abstract}
	Attributes	ditto	BehaviorConstraint (from BehaviorConstraints) {abstract}
	No additional attributes	ditto	BehaviorConstraint (from BehaviorConstraints) {abstract}
	Associations	ditto	BehaviorConstraint (from BehaviorConstraints) {abstract}
	relatedVehicleFeature : VehicleFeature [*]	ditto	BehaviorConstraint (from BehaviorConstraints) {abstract}
	constrainedMode : Mode [*]	ditto	BehaviorConstraint (from BehaviorConstraints) {abstract}
	constrainedFunctionBehavior : FunctionBehavior [*]	ditto	BehaviorConstraint (from BehaviorConstraints) {abstract}

M2.1.11	M2.1.10	Change	Metaclass/Package
	constrainedFunctionTrigger : FunctionTrigger [*]	ditto	BehaviorConstraint (from BehaviorConstraints) {abstract}
	constrainedErrorBehavior : ErrorBehavior [*]	ditto	BehaviorConstraint (from BehaviorConstraints) {abstract}
	Constraints	ditto	BehaviorConstraint (from BehaviorConstraints) {abstract}
	A behavior constraint references at least one vehicle feature, mode, function behavior, function trigger, or error behavior definition.	ditto	BehaviorConstraint (from BehaviorConstraints) {abstract}
	ComputationConstraint (from BehaviorConstraints)	Removed metaclass	ComputationConstraint (from BehaviorConstraints)
	Generalizations	ditto	ComputationConstraint (from BehaviorConstraints)
	BehaviorConstraint (from BehaviorConstraints)	ditto	ComputationConstraint (from BehaviorConstraints)
	Attributes	ditto	ComputationConstraint (from BehaviorConstraints)
	No additional attributes	ditto	ComputationConstraint (from BehaviorConstraints)
	Associations	ditto	ComputationConstraint (from BehaviorConstraints)
	transformation : Transformation [*] {composite}	ditto	ComputationConstraint (from BehaviorConstraints)
	flow : Flow [*] {composite}	ditto	ComputationConstraint (from BehaviorConstraints)
	Constraints	ditto	ComputationConstraint (from BehaviorConstraints)
	A computation constraint contains at least one transformation or one	ditto	ComputationConstraint (from BehaviorConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
	flow definition.		
	Flow (from BehaviorConstraints)	Removed metaclass	Flow (from BehaviorConstraints)
	Generalizations	ditto	Flow (from BehaviorConstraints)
	EAElement (from Elements)	ditto	Flow (from BehaviorConstraints)
	Attributes	ditto	Flow (from BehaviorConstraints)
	No additional attributes	ditto	Flow (from BehaviorConstraints)
	Associations	ditto	Flow (from BehaviorConstraints)
	sourceParameter : Parameter [1..*]	ditto	Flow (from BehaviorConstraints)
	orderedSegment : Flow [*]	ditto	Flow (from BehaviorConstraints)
	sinkParameter : Parameter [1..*]	ditto	Flow (from BehaviorConstraints)
	Constraints	ditto	Flow (from BehaviorConstraints)
	A flow has at least one source and one sink parameter.	ditto	Flow (from BehaviorConstraints)
	Parameter (from BehaviorConstraints)	Removed metaclass	Parameter (from BehaviorConstraints)
	Generalizations	ditto	Parameter (from BehaviorConstraints)
	EAElement (from Elements)	ditto	Parameter (from BehaviorConstraints)
	Attributes	ditto	Parameter (from BehaviorConstraints)
	No additional attributes	ditto	Parameter (from BehaviorConstraints)
	Associations	ditto	Parameter (from BehaviorConstraints)
	targetFunctionPort : FunctionPort [0..1]	ditto	Parameter (from BehaviorConstraints)
	targetFunction : FunctionType [0..1]	ditto	Parameter (from BehaviorConstraints)
	type : EADatatype [1]	ditto	Parameter (from BehaviorConstraints)
	Constraints	ditto	Parameter (from BehaviorConstraints)
	Each parameter in the parameter constraints of function behaviors references either one function type	ditto	Parameter (from BehaviorConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
	owning such function behaviors or one function port of the same function type.		
	ParameterCondition (from BehaviorConstraints)	Removed metaclass	ParameterCondition (from BehaviorConstraints)
	Generalizations	ditto	ParameterCondition (from BehaviorConstraints)
	EAElement (from Elements)	ditto	ParameterCondition (from BehaviorConstraints)
	Attributes	ditto	ParameterCondition (from BehaviorConstraints)
	expression : String [1]	ditto	ParameterCondition (from BehaviorConstraints)
	Associations	ditto	ParameterCondition (from BehaviorConstraints)
	representAnomaly : Anomaly [*]	ditto	ParameterCondition (from BehaviorConstraints)
	appliedToParameter : Parameter [*]	ditto	ParameterCondition (from BehaviorConstraints)
	appliedToCondition : ParameterCondition [*]	ditto	ParameterCondition (from BehaviorConstraints)
	Constraints	ditto	ParameterCondition (from BehaviorConstraints)
	A parameter condition is applied to at least one parameter or one parameter condition.	ditto	ParameterCondition (from BehaviorConstraints)
	ParameterConstraint (from BehaviorConstraints)	Removed metaclass	ParameterConstraint (from BehaviorConstraints)
	Generalizations	ditto	ParameterConstraint (from BehaviorConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
	BehaviorConstraint (from BehaviorConstraints)	ditto	ParameterConstraint (from BehaviorConstraints)
	Attributes	ditto	ParameterConstraint (from BehaviorConstraints)
	No additional attributes	ditto	ParameterConstraint (from BehaviorConstraints)
	Associations	ditto	ParameterConstraint (from BehaviorConstraints)
	parameterCondition : ParameterCondition [*] {composite}	ditto	ParameterConstraint (from BehaviorConstraints)
	parameter : Parameter [1..*] {composite}	ditto	ParameterConstraint (from BehaviorConstraints)
	Constraints	ditto	ParameterConstraint (from BehaviorConstraints)
	No additional constraints	ditto	ParameterConstraint (from BehaviorConstraints)
	State (from BehaviorConstraints)	Removed metaclass	State (from BehaviorConstraints)
	Generalizations	ditto	State (from BehaviorConstraints)
	EAElement (from Elements)	ditto	State (from BehaviorConstraints)
	Attributes	ditto	State (from BehaviorConstraints)
	initState : Boolean = false [1]	ditto	State (from BehaviorConstraints)
	Associations	ditto	State (from BehaviorConstraints)
	representMode : Mode [*]	ditto	State (from BehaviorConstraints)
	subStateMachineConstraint : StateMachineConstraint [*]	ditto	State (from BehaviorConstraints)
	denote : ParameterCondition [*]	ditto	State (from BehaviorConstraints)
	Constraints	ditto	State (from BehaviorConstraints)
	No additional constraints	ditto	State (from BehaviorConstraints)
	StateMachineConstraint (from BehaviorConstraints)	Removed metaclass	StateMachineConstraint (from BehaviorConstraints)
	Generalizations	ditto	StateMachineConstraint (from

M2.1.11	M2.1.10	Change	Metaclass/Package
			BehaviorConstraints)
	BehaviorConstraint (from BehaviorConstraints)	ditto	StateMachineConstraint (from BehaviorConstraints)
	Attributes	ditto	StateMachineConstraint (from BehaviorConstraints)
	No additional attributes	ditto	StateMachineConstraint (from BehaviorConstraints)
	Associations	ditto	StateMachineConstraint (from BehaviorConstraints)
	transition : Transition [*] {composite}	ditto	StateMachineConstraint (from BehaviorConstraints)
	state : State [1..*] {composite}	ditto	StateMachineConstraint (from BehaviorConstraints)
	Constraints	ditto	StateMachineConstraint (from BehaviorConstraints)
	No additional constraints	ditto	StateMachineConstraint (from BehaviorConstraints)
	Transformation (from BehaviorConstraints)	Removed metaclass	Transformation (from BehaviorConstraints)
	Generalizations	ditto	Transformation (from BehaviorConstraints)
	EAElement (from Elements)	ditto	Transformation (from BehaviorConstraints)
	Attributes	ditto	Transformation (from BehaviorConstraints)
	No additional attributes	ditto	Transformation (from BehaviorConstraints)
	Associations	ditto	Transformation (from BehaviorConstraints)
	invariantCondition : ParameterCondition [*]	ditto	Transformation (from BehaviorConstraints)
	subComputationConstraint : ComputationConstraint [*]	ditto	Transformation (from BehaviorConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
	inOut : Parameter [*]	ditto	Transformation (from BehaviorConstraints)
	outgoingFlow : Flow [*]	ditto	Transformation (from BehaviorConstraints)
	out : Parameter [*]	ditto	Transformation (from BehaviorConstraints)
	in : Parameter [*]	ditto	Transformation (from BehaviorConstraints)
	preCondition : ParameterCondition [*]	ditto	Transformation (from BehaviorConstraints)
	postCondition : ParameterCondition [*]	ditto	Transformation (from BehaviorConstraints)
	incomingFlow : Flow [*]	ditto	Transformation (from BehaviorConstraints)
	Constraints	ditto	Transformation (from BehaviorConstraints)
	[1] A transformation has at least one out or one inOut parameter.	ditto	Transformation (from BehaviorConstraints)
	Transition (from BehaviorConstraints)	Removed metaclass	Transition (from BehaviorConstraints)
	Generalizations	ditto	Transition (from BehaviorConstraints)
	EAElement (from Elements)	ditto	Transition (from BehaviorConstraints)
	Attributes	ditto	Transition (from BehaviorConstraints)
	No additional attributes	ditto	Transition (from BehaviorConstraints)
	Associations	ditto	Transition (from BehaviorConstraints)
	invoke : Transformation [*]	ditto	Transition (from BehaviorConstraints)
	to : State [1]	ditto	Transition (from BehaviorConstraints)
	conditionSpecification : ParameterCondition [0..1]	ditto	Transition (from BehaviorConstraints)
	write : Parameter [*]	ditto	Transition (from BehaviorConstraints)

M2.1.11	M2.1.10	Change	Metaclass/Package
	read : Parameter [*]	ditto	Transition (from BehaviorConstraints)
	from : State [1]	ditto	Transition (from BehaviorConstraints)
	Constraints	ditto	Transition (from BehaviorConstraints)
	No additional constraints	ditto	Transition (from BehaviorConstraints)
BehaviorDescription		Added package	**BehaviorDescription**
BehaviorConstraintBindingAttribute (from BehaviorDescription)		Added metaclass	BehaviorConstraintBindingAttribute (from BehaviorDescription)
Generalizations		ditto	BehaviorConstraintBindingAttribute (from BehaviorDescription)
BehaviorConstraintInternalBinding (from BehaviorDescription)		ditto	BehaviorConstraintBindingAttribute (from BehaviorDescription)
Attribute (from AttributeQuantificationConstraint)		ditto	BehaviorConstraintBindingAttribute (from BehaviorDescription)
Attributes		ditto	BehaviorConstraintBindingAttribute (from BehaviorDescription)
No additional attributes		ditto	BehaviorConstraintBindingAttribute (from BehaviorDescription)
Associations		ditto	BehaviorConstraintBindingAttribute (from BehaviorDescription)
No additional associations		ditto	BehaviorConstraintBindingAttribute (from BehaviorDescription)
Constraints		ditto	BehaviorConstraintBindingAttribute (from BehaviorDescription)
No additional constraints		ditto	BehaviorConstraintBindingAttribute (from BehaviorDescription)
BehaviorConstraintBindingEvent (from BehaviorDescription)		Added metaclass	BehaviorConstraintBindingEvent (from BehaviorDescription)

M2.1.11	M2.1.10	Change	Metaclass/Package
Generalizations		ditto	BehaviorConstraintBindingEvent (from BehaviorDescription)
BehaviorConstraintInternalBinding (from BehaviorDescription)		ditto	BehaviorConstraintBindingEvent (from BehaviorDescription)
TransitionEvent (from TemporalConstraint)		ditto	BehaviorConstraintBindingEvent (from BehaviorDescription)
Attributes		ditto	BehaviorConstraintBindingEvent (from BehaviorDescription)
No additional attributes		ditto	BehaviorConstraintBindingEvent (from BehaviorDescription)
Associations		ditto	BehaviorConstraintBindingEvent (from BehaviorDescription)
No additional associations		ditto	BehaviorConstraintBindingEvent (from BehaviorDescription)
Constraints		ditto	BehaviorConstraintBindingEvent (from BehaviorDescription)
No additional constraints		ditto	BehaviorConstraintBindingEvent (from BehaviorDescription)
BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}		Added metaclass	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}
Generalizations		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}
None		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}
Attributes		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}
No additional attributes		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}

M2.1.11	M2.1.10	Change	Metaclass/Package
Associations		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}
bindingThroughClampConnector : ClampConnector [*]		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}
Dependencies		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}
bindingThroughFunctionConnector : FunctionConnector [*]		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}
«instanceRef»		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}
bindingThroughHardwareConnector : HardwareConnector [*]		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}
«instanceRef»		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}
Constraints		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}
When a binding of behavior constraint prototypes go across different system functions or components, there should be at least one corresponding structural communication connector through which such bindings can take place (i.e. bindingThroughFunctionConnecto r, bindingThroughClampConnector,		ditto	BehaviorConstraintInternalBinding (from BehaviorDescription) {abstract}

M2.1.11	M2.1.10	Change	Metaclass/Package
bindingThrough-LogicalBus, or bindingThrough-HardwareConnector).			
BehaviorConstraintParameter (from BehaviorDescription) {abstract}		Added metaclass	BehaviorConstraintParameter (from BehaviorDescription) {abstract}
Generalizations		ditto	BehaviorConstraintParameter (from BehaviorDescription) {abstract}
None		ditto	BehaviorConstraintParameter (from BehaviorDescription) {abstract}
Attributes		ditto	BehaviorConstraintParameter (from BehaviorDescription) {abstract}
No additional attributes		ditto	BehaviorConstraintParameter (from BehaviorDescription) {abstract}
Associations		ditto	BehaviorConstraintParameter (from BehaviorDescription) {abstract}
No additional associations		ditto	BehaviorConstraintParameter (from BehaviorDescription) {abstract}
Constraints		ditto	BehaviorConstraintParameter (from BehaviorDescription) {abstract}
See Attribute and TransitionEvent.		ditto	BehaviorConstraintParameter (from BehaviorDescription) {abstract}
BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»		Added metaclass	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»

M2.1.11	M2.1.10	Change	Metaclass/Package
Generalizations		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
TraceableSpecification (from Elements)		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
Attributes		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
No additional attributes		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
Associations		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
targetedVehicleFeatureElement : VehicleFeature [*]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
instantiationVariable : BehaviorConstraintInternalBinding [*] {ordered}		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
type : BehaviorConstraintType [1]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
«isOfType»		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
Dependencies		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
functionTarget : FunctionPrototype [*]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
«instanceRef»		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
hardwareComponentTarget : HardwareComponentPrototype [*]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
«instanceRef»		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»

M2.1.11	M2.1.10	Change	Metaclass/Package
errorModelTarget : ErrorModelPrototype [*]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
«instanceRef»		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
Constraints		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
No additional constraints		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
BehaviorConstraintTargetBinding (from BehaviorDescription)		Added metaclass	BehaviorConstraintTargetBinding (from BehaviorDescription)
Generalizations		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
Relationship (from Elements)		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
Attributes		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
No additional attributes		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
Associations		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
targetedVehicleFeature : VehicleFeature [*]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
targetedFunctionType : FunctionType [*]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
targetedHardwareComponentType : HardwareComponentType [*]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
constrainedModeBehavior : Mode [*]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»

M2.1.11	M2.1.10	Change	Metaclass/Package
constrainedFunctionBehavior : FunctionBehavior [*]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
constrainedFunctionTriggering : FunctionTrigger [*]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
constrainedErrorModel : ErrorModelType [*]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
behaviorConstraintType : BehaviorConstraintType [1]		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
Constraints		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
No additional constraints		ditto	BehaviorConstraintPrototype (from BehaviorDescription) «atpPrototype»
BehaviorConstraintType (from BehaviorDescription) «atpType»		Added metaclass	BehaviorConstraintType (from BehaviorDescription) «atpType»
Generalizations		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»
Context (from Elements)		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»
Attributes		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»
No additional attributes		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»
Associations		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»
sharedVariable : BehaviorConstraintInternalBinding [*]		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»
interfaceVariable : BehaviorConstraintParameter [*] {ordered}		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»

M2.1.11	M2.1.10	Change	Metaclass/Package
part : BehaviorConstraintPrototype [*] {composite}		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»
attributeQuantificationConstraint : AttributeQuantificationConstraint [*] {composite}		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»
computationConstraint : ComputationConstraint [*] {composite}		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»
temporalConstraint : TemporalConstraint [*] {composite}		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»
Constraints		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»
[1] A behavior constraint references at least one requirement, vehicle feature, mode, function type, function behavior, function trigger, or error behavior definition.		ditto	BehaviorConstraintType (from BehaviorDescription) «atpType»
AttributeQuantificationConstraint		Added package	**AttributeQuantificationConstraint**
Attribute (from AttributeQuantificationConstraint) «atpPrototype»		Added metaclass	Attribute (from AttributeQuantificationConstraint)
Generalizations		ditto	Attribute (from AttributeQuantificationConstraint)
EAElement (from Elements)		ditto	Attribute (from AttributeQuantificationConstraint)

M2.1.11	M2.1.10	Change	Metaclass/Package
BehaviorConstraintParameter (from BehaviorDescription)		ditto	Attribute (from AttributeQuantificationConstraint)
Attributes		ditto	Attribute (from AttributeQuantificationConstraint)
isExternVisible : Boolean = false [1]		ditto	Attribute (from AttributeQuantificationConstraint)
Associations		ditto	Attribute (from AttributeQuantificationConstraint)
type : EADatatype [1]		ditto	Attribute (from AttributeQuantificationConstraint)
«isOfType»		ditto	Attribute (from AttributeQuantificationConstraint)
Constraints		ditto	Attribute (from AttributeQuantificationConstraint)
No additional constraints		ditto	Attribute (from AttributeQuantificationConstraint)
AttributeQuantificationConstraint (from AttributeQuantificationConstraint)		Added metaclass	AttributeQuantificationConstraint (from AttributeQuantificationConstraint)
Generalizations		ditto	AttributeQuantificationConstraint (from AttributeQuantificationConstraint)
EAElement (from Elements)		ditto	AttributeQuantificationConstraint (from AttributeQuantificationConstraint)
Attributes		ditto	AttributeQuantificationConstraint (from AttributeQuantificationConstraint)
No additional attributes		ditto	AttributeQuantificationConstraint (from AttributeQuantificationConstraint)
Associations		ditto	AttributeQuantificationConstraint (from AttributeQuantificationConstraint)
quantification : Quantification [*] {composite}		ditto	AttributeQuantificationConstraint (from AttributeQuantificationConstraint)

M2.1.11	M2.1.10	Change	Metaclass/Package
attribute : Attribute [*] {composite}		ditto	AttributeQuantificationConstraint (from AttributeQuantificationConstraint)
Constraints		ditto	AttributeQuantificationConstraint (from AttributeQuantificationConstraint)
No additional constraints		ditto	AttributeQuantificationConstraint (from AttributeQuantificationConstraint)
BehaviorAttributeBinding (from AttributeQuantificationConstraint)		Added metaclass	BehaviorAttributeBinding (from AttributeQuantificationConstraint)
Generalizations		ditto	BehaviorAttributeBinding (from AttributeQuantificationConstraint)
Relationship (from Elements)		ditto	BehaviorAttributeBinding (from AttributeQuantificationConstraint)
Attributes		ditto	BehaviorAttributeBinding (from AttributeQuantificationConstraint)
No additional attributes		ditto	BehaviorAttributeBinding (from AttributeQuantificationConstraint)
Associations		ditto	BehaviorAttributeBinding (from AttributeQuantificationConstraint)
visibleThroughFunctionPort : FunctionPort [*]		ditto	BehaviorAttributeBinding (from AttributeQuantificationConstraint)
visibleThroughHardwarePin : HardwarePin [*]		ditto	BehaviorAttributeBinding (from AttributeQuantificationConstraint)
visibleThroughHardwarePort : HardwarePort [*]		ditto	BehaviorAttributeBinding (from AttributeQuantificationConstraint)
visibleThroughAnomaly : Anomaly [*]		ditto	BehaviorAttributeBinding (from AttributeQuantificationConstraint)
attribute : Attribute [1..*]		ditto	BehaviorAttributeBinding (from AttributeQuantificationConstraint)

M2.1.11	M2.1.10	Change	Metaclass/Package
Constraints		ditto	BehaviorAttributeBinding (from AttributeQuantificationConstraint)
No additional constraints		ditto	BehaviorAttributeBinding (from AttributeQuantificationConstraint)
LogicalEvent (from AttributeQuantificationConstraint)		Added metaclass	LogicalEvent (from AttributeQuantificationConstraint)
Generalizations		ditto	LogicalEvent (from AttributeQuantificationConstraint)
Quantification (from AttributeQuantificationConstraint)		ditto	LogicalEvent (from AttributeQuantificationConstraint)
Attributes		ditto	LogicalEvent (from AttributeQuantificationConstraint)
isExternVisible : Boolean = false [1]		ditto	LogicalEvent (from AttributeQuantificationConstraint)
Associations		ditto	LogicalEvent (from AttributeQuantificationConstraint)
visibleThroughFunctionPort : FunctionPort [*]		ditto	LogicalEvent (from AttributeQuantificationConstraint)
Constraints		ditto	LogicalEvent (from AttributeQuantificationConstraint)
No additional constraints		ditto	LogicalEvent (from AttributeQuantificationConstraint)
Quantification (from AttributeQuantificationConstraint)		Added metaclass	Quantification (from AttributeQuantificationConstraint)
Generalizations		ditto	Quantification (from AttributeQuantificationConstraint)
EAElement (from Elements)		ditto	Quantification (from AttributeQuantificationConstraint)
EAExpression (from Values)		ditto	Quantification (from AttributeQuantificationConstraint)

M2.1.11	M2.1.10	Change	Metaclass/Package
Attributes		ditto	Quantification (from AttributeQuantificationConstraint)
No additional attributes		ditto	Quantification (from AttributeQuantificationConstraint)
Associations		ditto	Quantification (from AttributeQuantificationConstraint)
operand : Attribute [1..*] {ordered}		ditto	Quantification (from AttributeQuantificationConstraint)
timeCondition : LogicalTimeCondition [0..1]		ditto	Quantification (from AttributeQuantificationConstraint)
Constraints		ditto	Quantification (from AttributeQuantificationConstraint)
[1] A quantification is applied to at least one attribute.		ditto	Quantification (from AttributeQuantificationConstraint)
ComputationConstraint		Added package	**ComputationConstraint**
ComputationConstraint (from ComputationConstraint)		Added metaclass	ComputationConstraint (from ComputationConstraint)
Generalizations		ditto	ComputationConstraint (from ComputationConstraint)
EAElement (from Elements)		ditto	ComputationConstraint (from ComputationConstraint)
Attributes		ditto	ComputationConstraint (from ComputationConstraint)
No additional attributes		ditto	ComputationConstraint (from ComputationConstraint)
Associations		ditto	ComputationConstraint (from ComputationConstraint)
logicalTransformation : LogicalTransformation [*]		ditto	ComputationConstraint (from ComputationConstraint)

M2.1.11	M2.1.10	Change	Metaclass/Package
{composite}			
logicalPath : LogicalPath [*] {composite}		ditto	ComputationConstraint (from ComputationConstraint)
Constraints		ditto	ComputationConstraint (from ComputationConstraint)
[1] A computation constraint contains at least one transformation or one flow definition.		ditto	ComputationConstraint (from ComputationConstraint)
LogicalPath (from ComputationConstraint)		Added metaclass	LogicalPath (from ComputationConstraint)
Generalizations		ditto	LogicalPath (from ComputationConstraint)
EAElement (from Elements)		ditto	LogicalPath (from ComputationConstraint)
Attributes		ditto	LogicalPath (from ComputationConstraint)
No additional attributes		ditto	LogicalPath (from ComputationConstraint)
Associations		ditto	LogicalPath (from ComputationConstraint)
precedingExecutionEventChain : EventChain [*]		ditto	LogicalPath (from ComputationConstraint)
succeedingExecutionEventChain : EventChain [*]		ditto	LogicalPath (from ComputationConstraint)
correspondingExecutionEventChain : EventChain [*]		ditto	LogicalPath (from ComputationConstraint)
logicalResponse : LogicalEvent [*]		ditto	LogicalPath (from ComputationConstraint)
logicalStimulus : LogicalEvent [*]		ditto	LogicalPath (from ComputationConstraint)
transformationOccurrence : TransformationOccurrence [0..1] {composite}		ditto	LogicalPath (from ComputationConstraint)
strand : LogicalPath [*]		ditto	LogicalPath (from ComputationConstraint)
segment : LogicalPath [*] {ordered}		ditto	LogicalPath (from ComputationConstraint)

M2.1.11	M2.1.10	Change	Metaclass/Package
Constraints		ditto	LogicalPath (from ComputationConstraint)
No additional constraints		ditto	LogicalPath (from ComputationConstraint)
LogicalTransformation (from ComputationConstraint)		Added metaclass	LogicalTransformation (from ComputationConstraint)
Generalizations		ditto	LogicalTransformation (from ComputationConstraint)
EAElement (from Elements)		ditto	LogicalTransformation (from ComputationConstraint)
Attributes		ditto	LogicalTransformation (from ComputationConstraint)
isClientServerInterface : Boolean = false [1]		ditto	LogicalTransformation (from ComputationConstraint)
Associations		ditto	LogicalTransformation (from ComputationConstraint)
clientServerInterfaceOperation : Operation [*]		ditto	LogicalTransformation (from ComputationConstraint)
expression : EAExpression [0..1] {composite}		ditto	LogicalTransformation (from ComputationConstraint)
contained : Attribute [*] {ordered}		ditto	LogicalTransformation (from ComputationConstraint)
out : Attribute [*] {ordered}		ditto	LogicalTransformation (from ComputationConstraint)
in : Attribute [*] {ordered}		ditto	LogicalTransformation (from ComputationConstraint)
quantificationInvariant : Quantification [*]		ditto	LogicalTransformation (from ComputationConstraint)
preCondition : Quantification [*]		ditto	LogicalTransformation (from ComputationConstraint)
postCondition : Quantification [*]		ditto	LogicalTransformation (from ComputationConstraint)
timeInvariant : LogicalTimeCondition [0..1]		ditto	LogicalTransformation (from ComputationConstraint)

M2.1.11	M2.1.10	Change	Metaclass/Package
Constraints		ditto	LogicalTransformation (from ComputationConstraint)
[1] If a logical transformation description is applied to a client-server interface (isClientServerInterface=true), it has at least one corresponding operation specified in a client-server interface definition (FunctionModelling::Operation).		ditto	LogicalTransformation (from ComputationConstraint)
TransformationOccurrence (from ComputationConstraint)		Added metaclass	TransformationOccurrence (from ComputationConstraint)
Generalizations		ditto	TransformationOccurrence (from ComputationConstraint)
EAElement (from Elements)		ditto	TransformationOccurrence (from ComputationConstraint)
Attributes		ditto	TransformationOccurrence (from ComputationConstraint)
No additional attributes		ditto	TransformationOccurrence (from ComputationConstraint)
Associations		ditto	TransformationOccurrence (from ComputationConstraint)
inQuantification : Quantification [*] {ordered}		ditto	TransformationOccurrence (from ComputationConstraint)
outQuantification : Quantification [*] {ordered}		ditto	TransformationOccurrence (from ComputationConstraint)
invokedLogicalTransformation : LogicalTransformation [1]		ditto	TransformationOccurrence (from ComputationConstraint)

M2.1.11	M2.1.10	Change	Metaclass/Package
timeCondition : LogicalTimeCondition [0..1]		ditto	TransformationOccurrence (from ComputationConstraint)
Constraints		ditto	TransformationOccurrence (from ComputationConstraint)
No additional constraints		ditto	TransformationOccurrence (from ComputationConstraint)
TemporalConstraint		Added package	**TemporalConstraint**
LogicalTimeCondition (from TemporalConstraint)		Added metaclass	LogicalTimeCondition (from TemporalConstraint)
Generalizations		ditto	LogicalTimeCondition (from TemporalConstraint)
EAElement (from Elements)		ditto	LogicalTimeCondition (from TemporalConstraint)
Attributes		ditto	LogicalTimeCondition (from TemporalConstraint)
isLogicalTimeSuspended : Boolean = false [1]		ditto	LogicalTimeCondition (from TemporalConstraint)
Associations		ditto	LogicalTimeCondition (from TemporalConstraint)
width : EAValue [0..1] {composite}		ditto	LogicalTimeCondition (from TemporalConstraint)
lower : EAValue [0..1] {composite}		ditto	LogicalTimeCondition (from TemporalConstraint)
upper : EAValue [0..1] {composite}		ditto	LogicalTimeCondition (from TemporalConstraint)
endPointReference : TransitionEvent [0..1]		ditto	LogicalTimeCondition (from TemporalConstraint)
startPointReference : TransitionEvent [0..1]		ditto	LogicalTimeCondition (from TemporalConstraint)
Constraints		ditto	LogicalTimeCondition (from

M2.1.11	M2.1.10	Change	Metaclass/Package
			TemporalConstraint)
No additional constraints		ditto	LogicalTimeCondition (from TemporalConstraint)
State (from TemporalConstraint)		Added metaclass	State (from TemporalConstraint)
Generalizations		ditto	State (from TemporalConstraint)
EAElement (from Elements)		ditto	State (from TemporalConstraint)
Attributes		ditto	State (from TemporalConstraint)
isErrorState : Boolean = false [1]		ditto	State (from TemporalConstraint)
isHazard : Boolean = false [1]		ditto	State (from TemporalConstraint)
isInitState : Boolean = false [1]		ditto	State (from TemporalConstraint)
isMode : Boolean = false [1]		ditto	State (from TemporalConstraint)
Associations		ditto	State (from TemporalConstraint)
modeDeclaration : Mode [*]		ditto	State (from TemporalConstraint)
hazardDeclaration : Hazard [*]		ditto	State (from TemporalConstraint)
quantificationInvariant : Quantification [*]		ditto	State (from TemporalConstraint)
timeInvariant : LogicalTimeCondition [*]		ditto	State (from TemporalConstraint)
Constraints		ditto	State (from TemporalConstraint)
No additional constraints		ditto	State (from TemporalConstraint)
SynchronousTransition (from TemporalConstraint)		Added metaclass	SynchronousTransition (from TemporalConstraint)
Generalizations		ditto	SynchronousTransition (from TemporalConstraint)
Transition (from TemporalConstraint)		ditto	SynchronousTransition (from TemporalConstraint)
Attributes		ditto	SynchronousTransition (from TemporalConstraint)
No additional attributes		ditto	SynchronousTransition (from TemporalConstraint)

M2.1.11	M2.1.10	Change	Metaclass/Package
Associations		ditto	SynchronousTransition (from TemporalConstraint)
writeTransitionEvent : TransitionEvent [0..1]		ditto	SynchronousTransition (from TemporalConstraint)
readTransitionEvent : TransitionEvent [0..1]		ditto	SynchronousTransition (from TemporalConstraint)
Constraints		ditto	SynchronousTransition (from TemporalConstraint)
No additional constraints		ditto	SynchronousTransition (from TemporalConstraint)
TemporalConstraint (from TemporalConstraint)		Added metaclass	TemporalConstraint (from TemporalConstraint)
Generalizations		ditto	TemporalConstraint (from TemporalConstraint)
EAElement (from Elements)		ditto	TemporalConstraint (from TemporalConstraint)
Attributes		ditto	TemporalConstraint (from TemporalConstraint)
No additional attributes		ditto	TemporalConstraint (from TemporalConstraint)
Associations		ditto	TemporalConstraint (from TemporalConstraint)
assertion : EAExpression [0..1] {composite}		ditto	TemporalConstraint (from TemporalConstraint)
transitionEvent : TransitionEvent [*] {composite}		ditto	TemporalConstraint (from TemporalConstraint)
timeCondition : LogicalTimeCondition [*] {composite}		ditto	TemporalConstraint (from TemporalConstraint)
transition : Transition [*] {composite}		ditto	TemporalConstraint (from TemporalConstraint)
initState : State [1]		ditto	TemporalConstraint (from

M2.1.11	M2.1.10	Change	Metaclass/Package
			TemporalConstraint)
state : State [*] {composite}		ditto	TemporalConstraint (from TemporalConstraint)
Constraints		ditto	TemporalConstraint (from TemporalConstraint)
No additional constraints		ditto	TemporalConstraint (from TemporalConstraint)
Transition (from TemporalConstraint)		Added metaclass	Transition (from TemporalConstraint)
Generalizations		ditto	Transition (from TemporalConstraint)
EAElement (from Elements)		ditto	Transition (from TemporalConstraint)
Attributes		ditto	Transition (from TemporalConstraint)
No additional attributes		ditto	Transition (from TemporalConstraint)
Associations		ditto	Transition (from TemporalConstraint)
quantificationGuard : Quantification [*]		ditto	Transition (from TemporalConstraint)
effect : TransformationOccurrence [0..1]		ditto	Transition (from TemporalConstraint)
timeGuard : LogicalTimeCondition [*]		ditto	Transition (from TemporalConstraint)
to : State [1]		ditto	Transition (from TemporalConstraint)
from : State [1]		ditto	Transition (from TemporalConstraint)
Constraints		ditto	Transition (from TemporalConstraint)
No additional constraints		ditto	Transition (from TemporalConstraint)
TransitionEvent (from TemporalConstraint)		Added metaclass	TransitionEvent (from TemporalConstraint)
Generalizations		ditto	TransitionEvent (from TemporalConstraint)
EAElement (from Elements)		ditto	TransitionEvent (from TemporalConstraint)

M2.1.11	M2.1.10	Change	Metaclass/Package
BehaviorConstraintParameter (from BehaviorDescription)		ditto	TransitionEvent (from TemporalConstraint)
Attributes		ditto	TransitionEvent (from TemporalConstraint)
No additional attributes		ditto	TransitionEvent (from TemporalConstraint)
Associations		ditto	TransitionEvent (from TemporalConstraint)
occurredExecutionEvent : Event [*]		ditto	TransitionEvent (from TemporalConstraint)
occurredFeatureFlaw : FeatureFlaw [*]		ditto	TransitionEvent (from TemporalConstraint)
occurredHazardousEvent : HazardousEvent [*]		ditto	TransitionEvent (from TemporalConstraint)
occurredFaultFailure : FaultFailure [*]		ditto	TransitionEvent (from TemporalConstraint)
occurredLogicalEvent : LogicalEvent [*]		ditto	TransitionEvent (from TemporalConstraint)
Constraints		ditto	TransitionEvent (from TemporalConstraint)
No additional constraints		ditto	TransitionEvent (from TemporalConstraint)