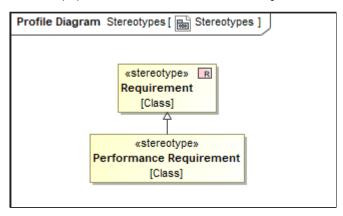
Creating Inheritance of DSL Customization

DSL customization is inherited when a stereotype is inherited. So, it is not necessary to create new DSL customization. For example, to create your own subtype of SysML «Requirement», named, let's say, *Performance Requirement*, it is enough to define a new stereotype «Performance Requirement» and add a generalization between the SysML «Requirement» stereotype and the «Performance Requirement» stereotype. As a result, all predefined symbol properties (style) and semantic rules of SysML «Requirement» will be reused on elements stereotyped by «Performance Requirement». In the case where the custom stereotype has its own customization, its properties can be overwritten, inherited, or merged.



«Performance Requirement» stereotype inherits the customization of the SysML «Requirement» through a generalization.

The rules for inheriting/merging/overwriting customization properties are provided in the table below:

Original	Empty customizations			Customizations with overwritten values		
	Stereotype and customization are inherited	Stereotype is inherited, customization is not inherited	Stereotype is not inherited, customization is inherited	Stereotype and customization are inherited	Stereotype is inherited, customization is not inherited	Stereotype is not inherited, customization is inherited
customizationTarget	-		-	-	-	-
hideMetatype	Inherited		Inherited			
keyword		-				
representationText	-		-	Overwritten	Overwritten	
standardExpertConfigu ration						
usedUMLProperties						
applyToSource						
applyToTarget						Overwritten
superTypes			Inherited		Merged	
allowedRelationships		Inherited				
disallowedRelationships						
typesForSource						
typesForTarget						
connectionRule		-	-	-	-	-
quickApplyingFor	Inherited	Inherited			Merged	
hiddenOwnedDiagrams						
hiddenOwnedTypes						
suggestedOwnedDiagr ams		-				
suggestedOwnedTypes						
inShortcutMenu			Inherited		Overwritten	
showPropertiesWhenN otApplied						
possibleOwners						

		I	I		I	
multiLineTextProperties						
category						
checkSpelling		Inherited		Overwritten	Merged	Overwritten
defaultShapeSize		-				
doNotSuggestAsType		Inherited			Overwritten	
helpID	-	-	-			
preferredMetatype		Inherited			Inherited	
showPropertiesWhenN otAppliedLimitedByPro fileApplication		-				
showPropertiesWhenN otAppliedLimitedByEle mentType	Inherited		Inherited		Overwritten	
allowedDragAndDrops						
abbreviation						
additionalContent			-			
subElementContentsIn cluded		Inherited				
doNotSuggestNameAu toCompletion						
symbolStandardExpert Configuration		-				

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