

CHECKLIST FOR USE CASE AND CLASS DIAGRAM

DEFECT TYPE	ID	CHECKLIST ITEMS	YES	NO	DEFECT IDENTIFIED
Business Rule (BR)	BR.1	The use case/class is not clear with the purpose and the desired functionalities based on defined domain.			
Inconsistency (Incons)	Incons.1	Is there any use case/class specified with the stereotype <<variationPoint>> from which the number of specified variants is major or minor than defined in maxSelection or minSelection the variability (<<variability>>) associated?			
	Incons.2	Is there any use case/class specified with the stereotype <<optional>> from which the number of specified variants is major or minor than defined in maxSelection or minSelection the variability (<<variability>>) associated?			
Incorrect Fact (IF)	IF.1	Is there any use case/class with incorrectly name in SPL?			
	IF.2	Is there any use case/class that it is not be compare name in SPL?			
	IF.3	Is there any use case/class with stereotype <<variationPoint>> associated with use case/class in the SPL which not <<alternative_OR>>?			
Non-modifiable (Nm)	Nm.1	Is there any use case/class specified with the stereotype <<variationPoint>>, in which variants associated (<<optional>>, <<alternative_OR>> or <<alternative_XOR>>) can not be combined or selected in accordance with variants already specified in the meta-attribute variants in SPL?			
Omission (Om)	Om.1	Is there any use case/class specified as mandatory (required) through the stereotype <<mandatory>> that is not specified on the SPL?			
Extraneous Information (EI)	EI.1	Is there any use case/class specified besides use cases/class existing in the SPL?			
	EI.2	Is there any use case/class with its functionality duplicated in SPL?			
Intentional Deviation (ID)	ID.1	Is there any use case/class which requires the selection of another (<<requires>>) and this another is not specified in the SPL?			
	ID.2	Is there any use case/class not which requires selection of another (<<mutex>>) and this another is not specified in the SPL?			

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Ambiguous (Am)	Am.1	Is there any use case/class in that its name is equal to the another use case/class in a manner to owning a duplicate interpretation?			
Anomaly (An)	An.1	Is there any use case/class specified as << alternative_OR >> which extend << extend >> another use case/class that is not specified << variationPoint >>?			
	An.2	Is there any use case/class specified as << alternative_XOR >> which extend << extend >> another use case/class that is not specified << variationPoint >>?			
Unstable (Uns)	Uns.1	Is there any use case/class specified with the stereotype << variationPoint >>, in which has the stereotype associated << variability >> from which the meta-attribute name equals to other use cases/class elsewhere specified with the stereotype << variationPoint >>?			
Infeasible (Inf)	Inf.1	Is there any use case/class specified with stereotype << variationPoint >> which not allows you to add new variants as defined in the meta-attribute allowsAddingVar = false ?			

CHECKLIST FOR COMPONENT DIAGRAM

DEFECT TYPE	ID	CHECKLIST ITEMS	YES	NO	DEFECT IDENTIFIED
Anomaly (An)	An.1	Is there any component specified as << alternative_OR >> which extend << extend >> another component that is not specified << variationPoint >>?			
	An.2	Is there any component specified as << alternative_XOR >> which extend << extend >> another component that is not specified << variationPoint >>?			
Ambiguous (Am)	Am.1	Is there any component in that its name is equal to the component in a manner to owning a duplicate interpretation?			
Intentional Deviation (ID)	ID.1	Is there any component which requires the selection of another (<< requires >>) and this another is not specified in the SPL?			
	ID.2	Is there any component not which requires selection of another (<< mutex >>) and this another is not specified in the SPL?			
Incorrect Fact (IF)	IF.1	Is there any component with incorrectly name in SPL?			
	IF.2	Is there any component that it is not be compare name in SPL?			
	IF.3	Is there any component with stereotype << variationPoint >> associated with use case/class in the SPL which not << alternative_OR >>?			
Non-modifiable (Nm)	Nm.1	Is there any component specified with the stereotype << variationPoint >>, in which variants associated (<< optional >>, << alternative_OR >> or << alternative_XOR >>) can not be combined or selected in accordance with variants already specified in the meta-attribute variants in SPL?			
Inconsistency (Incons)	Incons.1	Is there any component specified with the stereotype << variationPoint >> from which the number of specified variants is major or minor than defined in maxSelection or minSelection the variability (<< variability >>) associated?			
	Incons.2	Is there any component specified with the stereotype << optional >> from which the number of specified variants is major or minor than defined in maxSelection or minSelection the variability (<< variability >>) associated?			
Extraneous Information (EI)	EI.1	Is there any use case/class specified besides component existing in the SPL?			
	EI.2	Is there any component with its functionality duplicated in SPL?			
Omission (Om)	Om.1	Is there any component specified as mandatory (required) through the stereotype << mandatory >> that is not specified on the SPL?			