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Appendix A

BNF TamDera Grammar

The BNF description uses the bold font to display terminal symbols and the first characteres of non-terminal symbols are shown in upper-case format. The symbols '[A]', '(A)+' and '()A'*' respectively impose the cardinalities: optional (0 or 1); at least one; and zero or more to a the symbol A.

ConceptDeclaration	::=	concept ConceptId [ConceptInheritance] { [ConceptMapping] [ThresholdVariableList] (AntiDriftRule)* (AssignmentThreshold)* }
ConceptMapping	::=	name: STRING
	::=	parent: STRING
AntiDriftRule	::=	Metric Operator (Value VariableId) ConstraintSetId
Metric	::=	LOC CBO LOCM CC DIT ...
Operator	::=	> < = ≤ ≥
AntiErosionRule	::=	only ConceptList can -DependType ConceptList ConceptList cannot - DependType ConceptList ConceptList must -DependType ConceptList
CptList	::=	ConceptId (, ConceptId)*
DependType	::=	derive invoke depend create declare handle
ConceptInheritance	::=	extends ConceptId
ConstraintSetDecl	::=	constraintset ConstraintSetId { (AntiDriftRule)+ }
CptList	::=	ConceptId (, ConceptId)*
ThresholdVariableList	::=	thresholds: VariableId (, VariableId)*
AssignmentThreshold	::=	assign VariableId to VALUE
ConceptId	::=	STRING
ConstraintSetId	::=	STRING
VariableId	::=	STRING
Value	::=	NUMBER