Associations

expression:Terminology::ExpressionElement[1] – a reference to an ExpressionElement in the TerminologyPackage

Semantics

ExpressionLangString provides a means for description, it can also be used to link to an ExpressionElement in the Terminology package.

Constraints

If expression is not empty, then +content should be empty.

8.5 MultiLangString

MultiLangString, as its name suggests, provides a means to describe things using different languages.

Superclass

Element

Associations

value:LangString[1..*] (composition) – contains the descriptions which bear the same meaning but in different languages

Semantics

MultiLangString provides a means to describing things using different languages. It contains a list of ~~Expression~~LangString, with which the user can specify their languages and the descriptions in the languages.

Constraints

For each of the ~~Expression~~LangString in the value property, their +lang ~~must~~ should be unique.

8.6 ModelElement (abstract)

ModelElement is the base element for the majority of modeling elements.

Superclass

SACMElement

Associations

name:LangString[1] (composition) – the name of the ModelElement.

implementationConstraint: ImplementationConstraint [0..*] (composition) – a collection of implementation constraints.

description: Description[0..1] (composition) – the description of the ModelElement.

note:Note[0..*] (composition) – a collection of notes for the ModelElement.

taggedValue: TaggedValue [0..*] (composition) – a collection of TaggedValues; TaggedValues can be used to describe additional features of a ModelElement.

Semantics

All the individual and identifiable elements of a SACM model correspond to a ModelElement.

Constraints

ImplementationConstraints should only be specified if +isAbstract is true. OCL: self.implmentationConstraint->size() > 0 implies self.isAbstract = true