

# SysML 1.5 support

Modeling tools developed by No Magic, Inc. always support the latest versions of standards. The SysML Plugin 19.0 supports the SysML 1.5 specification.

## Abstract Requirement

The updates in specification are related to adding a new concept: the AbstractRequirement concept. It allows you to define and implement any property-based requirement which could be inherited from the AbstractRequirement.

The Property-Based Requirement as a Constraint Block extension.

The changes affect the following diagrams:

- Requirement table - the element type is set to «abstractRequirement» with included subtypes. Custom requirements (inherited either from «Requirement» or from «abstractRequirement») are added as **Add New> Custom Requirements** menu commands.
- Derive Requirement Matrix / Refine Requirement Matrix / Satisfy Requirement Matrix / Verify Requirement Matrix - the row or column element type is changed to «abstractRequirement» instead of «Requirement».
- Requirement Containment Map / Requirement Derivation Map - the «abstractRequirement» subtype is supported as an element type for these relation maps.

Please note, the changes do not affect the common usage of diagrams listed above.

## Value Properties notation

Optionally, the unit name or unit symbol could be shown for value properties.



Unit notation of  
value property



Unit notation of value

Examples of a unit notation.