In Clause 11

Clause 11.1 (Introduction), first paragraph, last sentence

Before ‘simulation’, insert ‘a ’.

Replace ‘stereotypes’ with ‘extension’.

Clause 11.3 (Component blocks)

Text before 11.3.1 (Real-valued components)

Next to last paragraph (the one starting ‘The values of’), replace the last sentence with ‘Component input ports for scalars are typed by RealSignalInElement, IntegerSignalInElement, or BooleanSignalInElement, while component output ports for scalars are typed by RealSignalOutElement, IntegerSignalOutElement, or BooleanSignalOutElement (see Subclause 11.2.1). Component input ports for vectors are typed by specializations of RealVectorSignalInElement, while component output ports for vectors are typed by specializations of RealVectorSignalOutElement (see Subclause 11.5.3). Component PhSConstants (SimulinkParameters and ModelicaParameters) for vectors and matrices have MultidimensionalElement applied, with dimension \* and \*,\*, respectively (see Subclause 11.5.2.4). Models using component library blocks that have vector and matrix properties should specify initial values using instance specifications, with slots satisfying the constraints specified in Subclause 11.5.2.4.’

Clause 11.3.1.6 (Routing components)

Before the table, insert a new paragraph ‘Multiplicities not equal to 1 for flow properties stereotyped by PhSVariable (signal flows) on Component Ports (Inputs and Outputs) are shown between square brackets. These flow properties have MultidimensionalElement applied, with dimension equal to the multiplicity of the flow property (see Subclause 11.5.2.4). Inputs with multiplicities of 2, 3, 4, 5, 6 are typed by RealVectorSignal2InElement, RealVectorSignal3InElement, RealVectorSignal4InElement, RealVectorSignal5InElement, RealVectorSignal6InElement, respectively. Outputs with multiplicities of 2, 3, 4, 5, 6 are typed by RealVectorSignal2OutElement, RealVectorSignal3OutElement, RealVectorSignal4OutElement, RealVectorSignal5OutElement, RealVectorSignal6OutElement, respectively.’

Table

Column 4

Row 7, at end, insert ‘ [2]’

Row 8, at end, insert ‘ [3]’

Row 9, at end, insert ‘ [4]’

Row 10, at end, insert ‘ [5]’

Row 11, at end, insert ‘ [6]’

Column 5

Row 2, at end, insert ‘ [2]’

Row 3, at end, insert ‘ [3]’

Row 4, at end, insert ‘ [4]’

Row 5, at end, insert ‘ [5]’

Row 6, at end, insert ‘ [6]’

Clause 11.4 (Simulation platform stereotypes)

Title, change to ‘**Platform-dependent extension**’.

First paragraph

Replace ‘stereotypes that’ with ‘an extension of SysML used by’.

In ’11.3.2’, remove ‘2’.

Figure 21 (Simulation platform stereotypes), replace extensions to Property by generalizations to PhSConstant. Change the type of the properties named ‘value’ to ValueSpecification and their multiplicities to [0..1]. Singularize the property name ‘dimensions’ on MultidimensionalElement, change its type to UnlimitedNatural, and multiplicity to [\*] {ordered, non-unique}. The result should look like



Clause 11.4.1 through 11.4.7, first line in each, after ‘Package:’, replace ‘imulation’ with ‘ysPhS’ (seven occurrences).

Clauses 11.4.4 (ModelicaParameter) and 11.4.6 (SimulinkParameter), Constraints in both, [1], at the beginning, insert ‘The stereotyped property ’ and decapitalize ‘Must’ (two occurrences).

Clauses 11.4.3 (ModelicaPort) and 11.4.7 (SimulinkPort)

Description in both, first sentence, replace ‘property’ with ‘port’ (two occurrences).

Constraints in both, [1], at the beginning, insert ‘The stereotyped port ’ and decapitalize ‘Must’ (two occurrences).

Clauses 11.4.2 (ModelicaParameter) and 11.4.6 (SimulinkParameter)

Third line in each, replace ‘**Extended Metaclass:** Property’ by ‘**Generalization:** PhSConstant’.

Attributes in each, replace ‘String’ with a ‘ValueSpecification’.

Clause 11.4.4

Title, in ‘**tion**’, replace ‘**t**’ with ‘**s**’.

Attributes, replace “dimensions:” with “dimension:”.

After the Clause 11.4 title, add third-level subclause header titled ‘**Introduction**’, and renumber the remaining subclauses and references to them.

Before Figure 21 (Simulation platform stereotypes)

Insert a new third-level subclause heading titled ‘**Platform profile**’, then insert the text ‘This subclause defines stereotypes that Subclause 11.3’ followed by text moved from the first paragraph (in beta 1) ‘ applies to the base classes and properties (including ports) of its blocks, to specify which library elements of Modelica and Simulink correspond to them.’, then a period.

Renumber the remaining subclauses one level lower and update references to them.

At the end, add a new third-level titled ‘**c**, then insert the text ‘This subclause defines interface blocks used in Subclause 11.3.2 to specify vector signal flows.’ and a figure captioned ‘**Elements for vector signal flow**’ and with the following content

