In Clause 10

Clause 10.2.4 (Simulink modeling), second paragraph, first sentence, at end, insert ‘ (see Subclauses 10.4.4 and 10.5.4 about inherited features)’.

Clause 10.2.6 (Simscape modeling), first paragraph, first sentence, at end, insert ‘ (see 10.4.5 and 10.5.5 about inherited features)’.

Clause 10.4.2 (SysML modeling), first paragraph, last sentence, remove ‘, but not all the simulation languages and tools do’.

Clause 10.4.3 (Modelica modeling), first paragraph

First through third sentences

Replace ‘A’ with ‘SysML generalization corresponds to’, and ‘can be generalized by another Modelica class’ with ‘extension’.

Remove ‘. This is done through an “extend” clause. There can be several “extend” clauses’.

Replace ‘for’ with ‘including’, and ‘generalizations’ with ‘extensions’.

Remove the last sentence.

Clause 10.4.4 (Simulink modeling)

First paragraph,

First and second sentences

Put parentheses around the second sentence (without the period) and join it to the first.

In ‘another’, remove ‘an’.

Remove third sentence (in beta 1).

Last sentence,

Replace ‘As a result,’ with ‘Inherited’.

Replace ‘inherited’ with ‘not redefined’.

Replace ‘must be explicitly added to all’ with ‘(see Subclause 10.5) correspond to newly defined (uninherited) features in’.

Remove ‘ that are generalized in SysML’.

Second paragraph, second sentence

Replace ‘The’ with ‘It has’, and ‘and the’ with ‘each with a’.

Remove ‘ are defined’, ‘is a ’, and ‘to the ’.

After ‘contain’, insert ‘ing’.

Pluralize ‘reference’.

Code box, after first unindented occurrence of ‘</Block>’, insert a newline.

Clause 10.4.5 (Simscape modeling), first paragraph

First sentence

After ‘supports’, insert ‘ single’.

Remove ‘, but multiple generalizations of the same component’.

Replace the last sentence with ‘SysML generalization corresponds to Simscape superclassing when the special SysML block has only one generalization and does not redefine any properties (see Subclause 10.5), otherwise, SysML generalization has no correspondence in Simscape, and inherited properties in SysML that are not redefined correspond to new (uninherited) component members in Simscape.’

Clause 10.4.6 (Summary),

In the table

Third row

Second column, replace contents with ‘Inherited components’.

Third column, replace contents with ‘newly defined (uninherited) features’.

Fourth column,

Second row, at the end add ‘, when the special SysML block has only one generalization and does not redefine properties, otherwise, N/A’.

Third row, replace the contents with ‘Inherited member components when the special SysML block has only one generalization and does not redefine properties, otherwise, new (uninherited) member components’.

Remove the text below the table (‘Restriction’ and the bullet below it).

Clause 10.9.2 (SysML Modeling), paragraph under the bullets, first sentence, replace ‘but’ with ‘whereas’.

Clause 10.9.4 (Simulink modeling), first paragraph, first sentence, at end, insert, ‘, unless they are initial values for properties below the top level system block or are for properties typed by blocks that have parts, whereupon they have the same correspondence with Simulink as redefined properties (see Subclause 10.5.4 and Subannex A.5.9)’.

Just after 10.4, insert a new Subclause 10.5 with the contents of <http://issues.omg.org/secure/attachment/15425/SYSPISF_-42-redefinition.docx>, with figure numbering and references to them adjusted, and renumber the remaining subclauses and references to them.