**Open Geospatial Consortium *Document***

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| *CR-Form-v3* | | | | | | | | | | | | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | | | | | | | | | | | | |
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| ⌘ | **SensorML** | | | | **CR** | **?** | | | ⌘ rev | | | **-** | | | ⌘ Current version: | | 1.0.1 | | |
|  | | | | | | | | | | | | | | | | | | | |
| *For* [***HE******LP***](http://www.opengis.org/specs/CRs.htm#_blank)*on using this form, see bottom of this page or look at the pop-up text over the* ⌘*symbols.* | | | | | | | | | | | | | | | | | | | |
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| ***Proposed change affects:*** ⌘ | | | | | AS | |  | ImplStand | | | **X** | | Best Practices Paper | | | |  | | Other |  |
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| ***Title:*** ⌘ | | SensorML CR – Improve integration of external markup languages | | | | | | | | | | | | | | | | | |
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| ***Source:*** ⌘ | | Thomas Everding, University of Muenster, OWS-6 SWE | | | | | | | | | | | | | | | | | |
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| ***Work item code:*** ⌘ | |  | | | | | | | |  | | | | | | ***Date:*** ⌘ | 2008-11-19 | | |
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| ***Category:*** ⌘ | | **C** | (Add needed information) | | | | | | | | | | | | |  | | | |
|  | | *Use one of the following categories:* ***F*** *(Critical correction)* ***A*** *(corresponds to a correction in an earlier release)* ***B*** *(Addition of feature),* ***C*** *(Functional modification of feature)* ***D*** *(Editorial modification)* | | | | | | | | | | | | | | | |  | |
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| ***Reason for change:*** ⌘ | | | Besides MathML there is a need to utilize other markup languages for the description of process methods. One example is the Event Pattern Markup Language (EML, OGC discussion paper 08-132). | | | | | | | | | | | | | | | | |
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| ***Summary of change:*** ⌘ | | | Rename the element “sml:mathml” located in the algorithm definition of a process method to “sml:externalDefinition”. | | | | | | | | | | | | | | | | |
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| ***Consequences if*** ⌘ ***not approved:*** | | | At the current stage only MathML can be used as an external markup language to describe the algorithms of process methods. Though techniques like Complex Event Processing can not be utilized by MathML. Descriptions for these techniques can by now not be utilized in SensorML or only embedded using the MathML element which could cause serious confusion. | | | | | | | | | | | | | | | | |
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| ***Clauses affected:*** ⌘ | | | 10.1 | | | | | | | | | | | | | | | | |
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| ***Other specs*** ⌘ | | |  | Other core specifications ⌘ | | | | | | | | | |  | | | | | |
| ***Affected:*** | | |  | Abstract specifications | | | | | | | | | |  | | | | | |
|  | | |  | Best Practices Papers | | | | | | | | | |  | | | | | |
| ***Supporting Doc.*** ⌘ | | |  | | | | | | | | | | | | | | | | |
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| ***Other comments:*** ⌘ | | | To not affect backwards compatibility it may be necessary to introduce the “sml:externalDefinition” element in addition to the “sml:mathml” element. | | | | | | | | | | | | | | | | |
| ***Status*** ⌘ | | | NEW | | | | | | | | | | | | | | | | |
| ***Disposition***⌘ | | |  | | | | | | | | | | | | | | | | |