All Fields marked with * are mandatory.

| Change Request #: | 41 |
|---|---|
| Assigned OGC Document #: | 10-006 |
| Name: | *Ollie Raymond |
| Organization: | *CGI Interoperability Working Group (GeoSciML) |
| Email: | *oliver.raymond@ga.gov.au |
| Document Name/Version: | *Sensor Model Language (SensorML) / 1.0.0 |
| OGC Project Document: | *07-000 |

If this is a revision of a previous submission and you have a Change Request Number, then check here: ☐
Enter the CR number here: [        ]
Enter the Revsion Number that you are revising here: [        ]

| Title: 🔵 | *Add a statistical qualifier attribute to the Quantity class |
|---|---|
| Source: 🔵 | *Geoscience Australia, on behalf of GeoSciML design group |
| Work item code: 🔵 | |
| Category: 🔵 | * B (Addition of feature) |

| Reason for change: 🔵 | * |
|---|---|
| | The GeoSciML design group is considering using swe:Quantity to handle numeric values, and request an explicit attribute to describe the statistical type (eg, mean, median) of the quantity value. There are other options for denoting statistical types (eg: using the definition attribute, or xlink:role) but these are not attributes which explicitly denote statistical type. |
| Summary of change: 🔵 | * |
| | Add an attribute to the swe:Quantity class to explicitly describe the statistical type of the quantity (eg: "type"). This attribute would be a ScopedName from a vocabulary of terms such as "mean", "median", "maximum", "minimum", "mode". |

| | |
|---|---|
| **Consequences if not approved:** 🔵 | |
| | |
| **Clauses affected:** 🔵 | \* <br><br> 8.1.x, 9.2.x |
| **Additional Documents affected:** 🔵 | |
| **Supporting Documentation:** 🔵 | |
| **Comments:** 🔵 | |
| **Status:** 🔵 | Assigned |
| **Disposition:** 🔵 | Reffered |