

## 248. DR 09-0233 — SML, core: Shortcoming with Vallso

**Status:** [Closed; will be incorporated in COR1](#)~~Open~~

**Subject:** SML, core: Shortcoming with Vallso

**Qualifier:** Technical defect

**Submitter:** Shawn Villaron

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**Submitter's Defect Number:** Ecma-09-031

**Supporting Document(s):** none

**Date Circulated by Secretariat:** 2009-05-28

**Deadline for Response from Editor:** 2009-07-28

**IS 29500 Reference(s):** Part 1: §18.17.5.4

**Related DR(s):** none

**Nature of the Defect:**

### Summary

The intent behind the BRM resolution to introduce ISO 8601 dates support into SpreadsheetML was incorrectly defined by the resolution.

### Solution Proposed by the Submitter:

The following changes are proposed to bring the text into alignment with the BRM resolution on ISO 8601 date support.

**Part 1, §18.3.2.5, “dynamicFilter (Dynamic Filter)”, p. 1891, will be updated as follows:**

Attributes	Description
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Attributes	Description
maxValIso (Max ISO Value)	<p>...</p> <p>The above criteria shall not specify the range using <del>valIso</del> and maxValIso because Q1 always starts from M1 to M3, and M1 is always January.</p> <p>...</p>
<a href="#">val (Value)</a>	<p><a href="#">A minimum value for dynamic filter. See description of maxValIso to understand when val is required.</a></p> <p><a href="#">The possible values for this attribute are defined by the W3C XML Schema double datatype.</a></p>
valIso (ISO Value)	<p>A minimum value for dynamic filter. (See description of maxValIso to understand when <a href="#">val/valIso</a> is required.)</p> <p><a href="#">Only these types of dynamic filters shall use val and shall not use valIso:</a></p> <ul style="list-style-type: none"> <li>• <a href="#">aboveAverage and belowAverage</a></li> </ul> <p>The possible values for this attribute are defined by the W3C XML Schema dateTime datatype.</p>

**Part 4, §10.3.2, “Additional attributes for dynamicFilter element (Part 1, §18.3.2.5)”, p. xx, will be updated as follows:**

The following ~~additional~~ attributes [have modified descriptions when can be](#) specified for a document of a transitional conformance class:

Attributes	Description
maxVal (Max Value)	<p>...</p> <p>These types of dynamic filters shall use <del>val/valIso</del> and shall not use maxVal/maxValIso: aboveAverage and belowAverage.</p> <p>...</p>
<a href="#">val (Value)</a>	<p><a href="#">A minimum value for dynamic filter. See description of maxVal/maxValIso to understand when val is required.</a></p> <p><a href="#">If valIso and val are both present, valIso shall take precedence.</a></p> <p><a href="#">The possible values for this attribute are defined by the W3C XML Schema double datatype.</a></p>
valIso (ISO Value)	<p><a href="#">A minimum value for dynamic filter. (See description of maxVal/maxValIso to understand when val/valIso is required.)</a></p> <p><a href="#">The possible values for this attribute are defined by the W3C XML Schema dateTime datatype.</a></p>

**Schema Change(s) Needed:** Yes, Part 1.

**Editor’s Response:**

**2009-06-22/24 Copenhagen meeting:**

After some discussion, it was agreed this wasn’t ready for closure.

**2009-07-16 Teleconference:**

A proposal to resolve this was discussed at the Copenhagen meeting; however, some issues were raised by GB that could not be resolved at that time. Subsequently, Shawn and Gareth resolved those issues, and Shawn posted the final proposal to WG4 in email on July 9.

On this phone call, Gareth proposed one minor tweak. The final proposal was, as follows:

**Part 1, §18.3.2.5, “dynamicFilter (Dynamic Filter)”, pp. 1891–1892**

Attributes	Description
<a href="#">val (Value)</a>	<p><a href="#">A minimum numeric value for dynamic filter. (See description of valIso to understand when val is required.)</a></p> <p><a href="#">The possible values for this attribute are defined by the W3C XML Schema double datatype.</a></p>
valIso (ISO Value)	<p>A minimum date value for dynamic filter. (See description of maxValIso to understand when <a href="#">val</a>/valIso is required.)</p> <p><a href="#">Only these types of dynamic filters use numeric data, and therefore shall use val and shall not use valIso:</a></p> <ul style="list-style-type: none"> <li>• <a href="#">aboveAverage and belowAverage</a></li> </ul> <p>The possible values for this attribute are defined by the W3C XML Schema dateTime datatype.</p>

**Part 4, §10.3.2, “Additional attributes for dynamicFilter element (Part 1, §18.3.2.5)”, p. 183–184**

10.3.2 ~~Additional attributes~~ [Attributes with modified descriptions](#) for dynamicFilter element (Part 1, §18.3.2.5)

The following ~~additional~~ attributes [have modified descriptions when can be](#) specified for a document of a transitional conformance class:

Attributes	Description
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Attributes	Description
maxVal (Max Value)	<p>...</p> <p>These types of dynamic filters shall use <del>val</del>/<del>valIso</del> and shall not use maxVal/maxValIso: aboveAverage and belowAverage.</p> <p>...</p>
val (Value)	<p><a href="#">A minimum numeric or serial date value for dynamic filter. (See description of valIso to understand when val is required.)</a></p> <p><a href="#">If valIso and val are both present, valIso shall take precedence.</a></p> <p><a href="#">The possible values for this attribute are defined by the W3C XML Schema double datatype.</a></p>
valIso (ISO Value)	<p><a href="#">A minimum date value for dynamic filter. (See description of maxVal/maxValIso to understand when val/valIso is required.)</a></p> <p><a href="#">The possible values for this attribute are defined by the W3C XML Schema dateTime datatype.</a></p>

**Part 1, §18.18.26, “ST\_DynamicFilterType (Dynamic Filter)”, p. 2682–2683**

Enumeration Value	Description
lastQuarter (Last Quarter)	Shows last <a href="#">calendar</a> quarter's dates.
lastWeek (Last Week)	Shows last week's dates, <a href="#">using Sunday as the first weekday.</a>
M2 (2nd Month)	Shows the dates that are in <del>Februray</del> <a href="#">February</a> , regardless of year.
nextQuarter (Next Quarter)	Shows next <a href="#">calendar</a> quarter's dates.
nextWeek (Next Week)	Shows next week's dates, <a href="#">using Sunday as the first weekday.</a>
Q1 (1st Quarter)	Shows the dates that are in the 1st <a href="#">calendar</a> quarter, regardless of year.
Q2 (2nd Quarter)	Shows the dates that are in the 2nd <a href="#">calendar</a> quarter, regardless of year.
Q3 (3rd Quarter)	Shows the dates that are in the 3rd <a href="#">calendar</a> quarter, regardless of year.
Q4 (4th Quarter)	Shows the dates that are in the 4th <a href="#">calendar</a> quarter, regardless of year.
thisQuarter (This Quarter)	Shows this <a href="#">calendar</a> quarter's dates.
thisWeek (This Week)	Shows this week's dates, <a href="#">using Sunday as the first weekday.</a>

**Part 1, §A.2, “SpreadsheetML”, p. 4411, lines 84–88**

```
<xsd:complexType name="CT_DynamicFilter">
  <xsd:attribute name="type" type="ST_DynamicFilterType" use="required"/>
  <xsd:attribute name="val" type="xsd:double" use="optional"/>
  <xsd:attribute name="valIso" type="xsd:dateTime" use="optional"/>
  <xsd:attribute name="maxValIso" type="xsd:dateTime" use="optional"/>
</xsd:complexType>
```

**Part 1, §B.2, "SpreadsheetML", p. 4714, lines 78–81**

```
sml_CT_DynamicFilter =
  attribute type { sml_ST_DynamicFilterType },
  attribute val { xsd:double }?,
  attribute valIso { xsd:dateTime }?,
  attribute maxValIso { xsd:dateTime }?
```

[WG4 agreed to add this to DCOR1.](#)