DR 17-0027 — SML: omissions and inconsistencies in the specification of attributes

Status: Further Consideration Required

Subject: SML: omissions and inconsistencies in the specification of attributes

Qualifier: Request for clarification

Submitter: Francis Cave Organization: (BSI)

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Submitter’s Defect Number: None

Supporting Document(s): None

Date Circulated by Secretariat: 2017-09-06

Deadline for Response from Editor: 2017-11-06

IS 29500 Reference(s): 29500-1:2016, §18.\*

Related DR(s): 16-0007

Nature of the Defect:

The text does not unambiguously specify how to interpret the element, when present, if any of the listed attributes, declared in the schema to be optional but with no default value, is omitted.

* §18.2.2 calcPr (@calcId) (complex type: CT\_CalcPr)
* §18.2.28 workbookPr (@defaultThemeVersion) (complex type: CT\_WorkbookPr)
* §18.3.1.10 cfRule (@rank) (complex type: CT\_CfRule)
* §18.3.1.33 dataValidations (@count, @xWindow, @yWindow) (complex type: CT\_DataValidations)
* §18.3.1.52 inputCells (@numFmtId) (complex type: CT\_InputCells)
* §18.3.1.68 pivotArea (@field) (complex type: CT\_PivotArea)
* §18.3.1.78 selection (@activeCell) (complex type: CT\_Selection)
* §18.3.1.93 tabColor (@auto) (complex type: CT\_TabColor)
* §18.3.2.4 dateGroupItem (@day, @month, @hour, @minute, @second)   
  (complex type: CT\_DateGroupItem)
* §18.5.1.2 table (@connectionId) (complex type: CT\_Table)
* §18.8.1 alignment (@horizontal, @indent, @justifyLastLine, @readingOrder, @relativeIndent, @shrinkToFit, @textRotation, @vertical, @wrapText) (complex type: CT\_CellAlignment)
* §18.8.4 border (@diagonalDown, @diagonalUp) (complex type: CT\_Border)
* §18.8.33 protection (@hidden @locked) (complex type: CT\_CellProtection)
* §18.10.1.33 filter (@iMeasureFld) (complex type: CT\_PivotFilter)
* §18.10.1.57 mp (@pPos, @pLen, @nameLen) (complex type: CT\_MemberProperty)
* §18.10.1.69 pivotField (@dataSourceSort, @numFmtId) (complex type: CT\_PivotField)
* §18.10.1.73 pivotTableDefinition (@applyAlignmentFormats, @applyBorderFormats, @applyFontFormats, @applyNumberFormats, @applyPatternFormats, @applyWidthHeightFormats, @dataPosition) (complex type: CT\_pivotTableDefinition)
* §18.10.1.74 pivotTableStyleInfo (@showColHeaders, @showColStripes, @showRowHeaders, @showRowStripes) (CT\_PivotTableStyle)
* §18.10.1.88 set (@count) () (complex type: CT\_Set)
* §18.11.1.1 header (@maxRId, @minRId) (complex type: CT\_RevisionHeader)

Solution Proposed by the Submitter:

In each case implementation behaviours and implementer notes need to be reviewed before deciding whether the standard can be improved by specifying default values.

Schema Change(s) Needed:

Yes/No

**Editor’s Response:**

**2017-08-30 Francis Cave:**

The Microsoft implementer notes (MS-OI29500) state that Excel uses a default value not specified by the standard:

* §18.2.2 calcPr (@calcId) (complex type: CT\_CalcPr) – default value **0**
* §18.2.28 workbookPr (@defaultThemeVersion) (complex type: CT\_WorkbookPr) – default value **0**
* §18.3.1.10 cfRule (@rank) (complex type: CT\_CfRule) – default value **0**
* §18.3.1.33 dataValidations (@count, @xWindow, @yWindow) (complex type: CT\_DataValidations) – in each case default value **0**
* §18.3.1.52 inputCells (@numFmtId) (complex type: CT\_InputCells) – default value **0**
* §18.3.1.68 pivotArea (@field) (complex type: CT\_PivotArea) – default value **–1**
* §18.3.1.78 selection (@activeCell) (complex type: CT\_Selection) – default value **A1**
* §18.3.1.93 tabColor (@auto) (complex type: CT\_TabColor) – default value **false**
* §18.3.2.4 dateGroupItem (@day, @month) (complex type: CT\_DateGroupItem) – default value **1** [Note: @year is required]
* §18.3.2.4 dateGroupItem (@hour, @minute, @second) (complex type: CT\_DateGroupItem) – default value **0**
* §18.5.1.2 table (@connectionId) (complex type: CT\_Table) – default value **0**  
  [Nit note: The description of this attribute contains poorly-worded normative text: “This shall only be used for tables that are based ~~off of xml~~upon XML maps.”]
* §18.8.1 alignment (@horizontal, @vertical) (complex type: CT\_CellAlignment) – default values of **general** and **bottom** respectively
* §18.8.1 alignment (@indent, @relativeIndent, @textRotation) (complex type: CT\_CellAlignment) – in each case default value **0**
* §18.8.1 alignment @justifyLastLine, @readingOrder, @shrinkToFit, (@wrapText) (complex type: CT\_CellAlignment) – in each case default value **false**
* §18.8.4 border (@diagonalDown, @diagonalUp) (complex type: CT\_Border) – in each case default value **false**
* §18.8.33 protection (@hidden @locked) (complex type: CT\_CellProtection) – default values of **false** and **true** respectively
* §18.10.1.33 filter (@iMeasureFld) (complex type: CT\_PivotFilter) – default value **0**
* §18.10.1.57 mp (@pPos, @pLen, @nameLen) (complex type: CT\_MemberProperty) – in each case default value **0**
* §18.10.1.69 pivotField (@dataSourceSort, @numFmtId) (complex type: CT\_PivotField) – default values of **false** and **true** respectively
* §18.10.1.73 pivotTableDefinition (@applyAlignmentFormats, @applyBorderFormats, @applyFontFormats, @applyNumberFormats, @applyPatternFormats, @applyWidthHeightFormats, @dataPosition) (complex type: CT\_pivotTableDefinition) – in each case default value **0**  
  [Nit note: inconsistency in name of complex type – should ideally be CT\_PivotTableDefinition – probably not worth correcting, unfortunately…]
* §18.10.1.74 pivotTableStyleInfo (@showColHeaders, @showColStripes, @showRowHeaders, @showRowStripes) (CT\_PivotTableStyle) – in each case default value **0**
* §18.10.1.88 set (@count) () (complex type: CT\_Set) – default value **4294967295**
* §18.11.1.1 header (@maxRId, @minRId) (complex type: CT\_RevisionHeader) – Excel uses a default value **0** for @minRId, and a default value equal to the current value of @minRId for @maxRId
* §18.11.1.9 rcc (@numFmtId) (complex type: CT\_RevisionCellChange) – default value **0**
* §18.16.1 DataBinding (@FileBinding) (complex type: CT\_DataBinding) – default value **false**

Changes to Part 1: N Part 2: N Part 3: N Part 4: N