DR 19-0010 — WML Math: bizarre content model for element ‘del’ when a child of ‘ins’ in tracked changes

Status: Open

Subject: WML Math: bizarre content model for element ‘del’ when a child of ‘ins’ in tracked changes

Qualifier: Editorial defect

Submitter: Francis Cave Organization: (BSI)

Contact Information: francis@franciscave.com

Submitter’s Defect Number: 20190124-1

Supporting Document(s): none

Date Circulated by Secretariat:

Deadline for Response from Editor:

IS 29500 Reference(s): Part 1 §17.13.5.13, §17.13.5.16, §17.13.5.31, §A.1 line 1815

Related DR(s): none

Nature of the Defect:

In §17.13.5.13 the element del is specified as using the complex type CT\_MathCtrlDel as its content model. In §17.13.5.16 the element ‘ins’ is specified as using the complex type CT\_MathCtrlIns as its content model. But in §A.1, line 1815, the complex type CT\_MathCtrlIns allows ‘del’ as a child element of ‘ins’, but defines del in this context to use the complex type CT\_RPrChange as its content model. The complex type CT\_RPrChange is used by the element rPrChange (§17.13.5.31) and in the prose by no other element. It would there seem to be the case that §A.1, line 1815, contains an error, as indeed must therefore the schema files that define the complex type CT\_MathCtrlIns.

MSOI29500 (v20180828) is silent on this issue, although §2.1.331 contains the following note relating to Part 1 §17.13.5.16:

*a. The standard does not state that the del element is a valid child.*

Word allows the del element to be a child when a math control character is part of both a tracked insertion and tracked deletion.

This note is actually incorrect, because §17.13.5.16 specifies that ‘ins’ uses the complex type CT\_MathCtrlIns, and this DOES allow ‘del’ as a child element, just with a bizarre content model for ‘del’.

Solution Proposed by the Submitter:

Check with implementer experts that ‘del’, when used for a deleted math control character as a child of ‘ins’, has the same content model as ‘del’ elsewhere in math tracked changes, i.e. its content model is specified by CT\_MathCtrlDel and not by CT\_RPrChange. If experts agree, correct the schema. No changes to prose are required.

Schema Change(s) Needed:

Yes

**Editor’s Response:**

None

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