* 1. Example: Ignorable content inside Application-Defined Extension Elements

This example shows how to use ignorable content in Application-Defined Extension Elements in order to further extend an existing extension.

ChrisOffice v1 is a hypothetical implementation of ISO/IEC 29500 allows sound effects to be applied to existing SpreadsheetML conditional formatting. This data is stored inside application-defined extension elements in order that other ISO/IEC 29500-coformant applications may round-trip that data, and in SpreadsheetML an application-defined extension element (**extLst**) is already defined under the **conditionalFormattingElements** element.

The ability to use video as well as audio is added in ChrisOffice v2. To allow ChrisOffice v1 to understand everything except the video, a different namespace must be used to avoid ChrisOffice discovering unknown content in understood namespaces. In this example, ChrisOffice v1 doesn’t have its own extension elements within extension elements, so the extra content is ignorable in order that ChrisOffice v1 discards it upon load.

Input document:

…

<conditionalFormattingElements>

<extLst>

<ext uri="myurl" xmlns:co11="http://chrisoffice/v1">

<co11:soundeffect mc:Ignorable="co13" xmlns:co13="http://chrisoffice/v2">

<co11:sourceFile>moo.mp3</co11:sourceFile>

<co13:sourceVideo>cow.mpg</co13:sourceFile>

</co11:soundeffect>

</ext>

</extLst>

</conditionalFormattingElements>

…

ChrisOffice v1 will discard the video when it reads the file. Because processing of MCE constructs is not permitted inside application-defined extension elements, applications which do not understand the original sound effect construct will not needlessly throw away the entire extension element including the new video content. Because the extension element is understood by ChrisOffice v1, and the format of that extension element is known to contain further MCE constructs, ChrisOffice will further/subsequently process that extension element and discard the video when it reads the file since the co13 namespace is declared as ignorable.

Output document (ChrisOffice v1):

…

<conditionalFormattingElements>

<extLst>

<ext uri="myurl" xmlns:co11="http://chrisoffice/v1">

<co11:soundeffect mc:Ignorable="co13" xmlns:co13="http://chrisoffice/v2">

<co11:sourceFile>moo.mp3</co11:sourceFile>

</co11:soundeffect>

</ext>

</extLst>

</conditionalFormattingElements>

…