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Change Request #:	146
Assigned OGC Document #:	11-042
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Document Name/Version:	*KML / 2.2.0
OGC Project Document:	*07-147r2

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 Revision Number that you are revising here:

Title:	*Improve control over BalloonStyle layout
Source:	*OWS-7, OWS-8
Work item code:	
Category:	* <input type="text" value="B (Addition of feature)"/>

Reason for change:	* If one wishes to use JavaScript scripts in a KML Balloon it is currently required to provide the complete HTML document. This is usually undesirable, so it would be useful, if KML would support child elements to a BalloonStyle? to specify, for example, styles and scripts.
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Summary of change:	* There are differences in how balloons with extended data are styled in different clients and also how the same client behaves on different operating systems. A particular issue that was recognized during testing in OWS-7 was that tooltips (e.g., from displayName elements in SimpleField elements) are rendered differently in Google Earth 5 on OS X and on Windows – even though WebKit is used as the rendering engine on both platforms. The behaviour in most current web browsers seems to be to preserve blanks and line breaks (e.g. in Chrome on OS X and Windows, Safari on OS X, IE on Windows); only Firefox on OS X preserved blanks, but no line breaks. On OS X, blanks and line breaks are preserved, but not on Windows, which makes longer documentation fields hard to read. A possibility to overcome this issue would be creating custom tooltips. This would require the use of JavaScript? and CSS. This is
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possible in KML in general, but would require that the complete HTML document shown in the balloon is specified in the BalloonStyle? element in the referenced style. I.e., this would require that the tables which are rendered from the elements in kml:ExtendedData would have to be explicitly processed in the BalloonStyle? , which has significant disadvantages like more custom code to create and manage as well as less out-of-the-box behaviour (and no automatic benefit from further development of KML client software as its behaviour would be overridden).

Therefore, it would be beneficial, if child elements for CSS styles and JavaScript scripts would be added to BalloonStyle (in addition to the existing ones like bgColor, text, etc).

Consequences if not approved:

Information in balloons less useful than it could be.

Clauses affected:

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12.6

Additional Documents affected:

Supporting Documentation:

See also 10-088r2 OWS-7 Schema Automation ER.
A proposal for changes is attached.

Comments:

This Change Request is co-submitted by NGA (Dave Wesloh) and Mitre (Paul Birkel)

Status:

Assigned

Assigned To:

KML SWG

Disposition:

Referred and Posted