

# The 4 “Levels” of XML Rectitude

Syd Bauman, *Balisage* 2010

The following table lists English “sentences” and “TEI” constructs that fail to meet the indicated level of rectitude. For the moment, this is just a 2-minute thought experiment. More later, maybe.

name	description	English	TEI
<b>well-formedness</b>	Standard rules of XML well-formedness. Sample failure includes mal-formed Unicode characters.	<p>᠔ᠯᠢᠮᠤᠨ ᠠᠨᠨᠢᠭᠠᠨ ᠠᠨᠨᠢᠭᠠᠨ</p> <p>Fu cr n ee er gu ahr ruh ot nti otmn e ain ocie nlbry n eiae otepooiinta l e r rae qa.</p>	<pre>&lt;titleStm&lt; &lt;title&gt;Fun!&lt;/head &lt;/titleDesc&gt;</pre>
<b>validity</b>	Does the syntax of the XML match the formal schema(s)?	<p>I gave her a walked.</p> <p>The chewed rawhide puppy the.</p>	<pre>&lt;note href="#there"&gt; &lt;div&gt; What? In TEI, &lt;gi&gt;div&lt;/gi&gt; is not allowed in &lt;gi&gt;note&lt;/gi&gt;. &lt;/div&gt; &lt;/note&gt;</pre>
<b>sensibility</b>	Does the construct make sense, e.g. as a proposition or assertion?	<p>The virus sipped the tractor casually.</p> <p>Schematron rules cogitate purple.</p>	<pre>&lt;caesura xml:space="preserve"/&gt; &lt;respStm&gt; &lt;name&gt;&lt;catchwords/&gt;&lt;/name&gt; &lt;resp&gt;&lt;height unit="cm"/&gt;&lt;/resp&gt; &lt;/respStm&gt;</pre>
<b>veracity</b>	Does the construct correctly represent reality?	The magnificent markup conference <i>Balisage</i> is held in Victoria, BC each year in June.	<pre>&lt;quote who="#Washington"&gt; &lt;time dur="PT4H7M"&gt;Four score and seven years&lt;/time&gt; ago our fathers brought forth on this continent a new nation ... &lt;/quote&gt;</pre>