

Review WebCGM20-CD2
all thru chapter 3, rest follows.

#	where	Class	Description	Comment
1	Abstract	?	The last para talks about WebCGM satisfying many of the published W3C requirements	Political issue? W3C may not like "many" and ask why not "all" (we point them to issues right here), OASIS may not like this at all.
2	1. Introduction	1	Typo in TOC above 1.	1.5 Editions and releases of<insert space>WebCGM
3	1.1	3	bullet 2: ...in WebCGM viewers	replace with "...in WebCGM supporting applications". The DOM is not restricted in any way to viewers.
4	2.3.4	3	region - defines a spatial region, to be (optionally) associated with...	what does "optionally associated" mean here? A region can not live outside of an APS, so the option is restricted to have a region or not. Suggestion: delete "(optionally)"
5	2.3.4	3	layername - the name (or number) to be assigned...	There exists no definition of a layer number nor any numerical sequence of layers, thus this is misleading. Suggestion: Delete "(or number)".
6	2.3.4	3	layerdesc - optional "layer description"...	strike optional, all attributes are optional
7	2.3.4	3	content - an optional...	same as layerdesc, strike optional
8	2.3.4	3	External private metadata, including attributes and properties,...	what are metadata properties in this context? the external metadata consist of XML elements and attributes, where are metadata properties?
9	2.6	1	Bullet 2:...Relationship...	insert space between "with" and "XML"
10	2.7.2	1	Last but one para: broken link	change "" to ""
11	3.1.1.1	1	A URI fragment is the separator character " # " ...	Remove spaces around # char to "#". Since it is within quotes, it may be misleading.
12	3.1.1.1	2	para 3 vs. para 5	para 3 defines the fragment as # + string, para 5 uses # + fragment. This should be harmonized. My understanding is that it should be # + fragment.
13	3.1.1.1	1	Xpointer Framework	P should be capitalized ->Xpointer

14	3.1.1.2	1	Fragment EBNF	<p>the 3 deprecated behaviors are still part of the EBNF, they may be found in any existing file.</p> <p>Do we define a mapping for these behaviors? Should they be mapped to something else if the file is opened and subsequently saved to WebCGM 2.0 format?</p> <p>If we strike the behaviors from the EBNF, a WebCGM 1.0 file can not be a valid WebCGM 2.0 file IMHO.</p>
15	3.1.1.3	1	bullet 2, objname	<p>shall not contain any leading or trailing whitespace (#x09 #x0a #x0d #x20);</p> <p>Does this mean, 0x09, 0x0A or 0x0D are fine in other places? They should be banned completely from a name.</p>
16	3.1.1.3	1	bullet 2, target	<p>"must begin with an alphabetic character (a-zA-Z). User agents should ignore all other target names" is what HTML says. This means that our own keywords, e.g. _replace are illegal unless we change the wording here to include a reference to them.</p>
17	3.1.1.3	1	bullet 2, xcfurl	<p>typo in 'linkuri' application structure</p>
18	3.1.1.4	1	...repertoires, as define in the ...	<p>change to "defined"</p>
19	3.1.1.5	1	...e.g., a HTML file).	<p>change to "an HTML file"</p>
20	3.1.1.5	3	relative URLs	<p>something should be added to say that xcfurls can be relative but can also be absolute. Also, we need to make a comment about relative URLs found in linkURIs then, the processing there is different, if I remember correctly. There it is relative to the container document I think.</p>
21	3.1.2.1	1	append to last para	<p>"If the metafile does not contain a picture with the specified picture sequence number, the first (and only) picture in the metafile is chosen."</p>
22	3.1.1.2/3.1.2.2	1	HTML 4.0 vs. 4.01	<p>3.1.1.2 refers to HTML 4.0 with regard to target names, 3.1.2.2 refers to 4.01. The links point to different documents. Which one is correct?</p>

23	3.1.2.2	3	Picture behaviors	<p>"The following Picture Behavior values, except for <code>_replace</code>, are defined per HTML 4.01". This is incorrect. HTML 4.01 does not define any picture behaviors. It defines keywords, and the definition is different from what we show here in all cases (e.g. using <code>user agent</code> vs. <code>viewer</code>, <code>_parent</code> is differently worded. Suggestion: change first phrase to indicate that 4.01 defines keywords that we use as picture behaviors? Or don't we really define them all here as picture behaviors?</p> <p>Do I have to say, I hate picture behaviors? What is it, if they show up in the third param of a linkURI? picture behaviors if the target is a CGM, frame target names if the target is non-CGM?</p>
24	3.1.2.2	1	Picture behaviors	<p>The table comparing CGM to HTML and CGM to CGM links is misplaced here. CGM to CGM would use picture behaviors inside the fragment OR it could use the third param of the linkURI to specify the target. CGM to HTML can not use picture behaviors at all, it must use the third param of linkURI, however, then <code>_replace</code> does not exist, we are talking strict HTML 4.01 targets only. See also comments for 3.2.2.3 (linkURI)</p>
25	3.1.2.4.1	1	Enumeration of behaviors	<p><code>full+addHighlight</code> appears 3 times in the table, change second to <code>zoom+addHighlight</code> and third to <code>move+addHighlight</code></p>
26	3.1.2.4.1	3	deprecated behaviors	<p>should we define a mapping for these behaviors to the new ones in case a WebCGM 1 is saved as a 2.0 file? Suggestion: <code>viewcontext = zoom+newHighlight</code>; <code>highlight = newHighlight</code>; <code>highlightAll=newHighlight</code></p>
27	3.1.2.4.3	1	definition of zoom	<p>"The "zoom" behavior is the default behavior ..." is in contradiction to the table above, where <code>zoom+newHighlight</code> is declared as default behavior. Suggestion: zoom should be made the default.</p>

28	3.1.2.7	1	Summary of behaviors	row 1: target attribute of 'a' does not receive a picBehavior but an HTML target. Missing link on URI fragment row 2: 3rd param is an HTML target, not a picBehavior in this case row 3: picTerm in fragment is deprecated??? I didn't know this, and I don't find this anywhere else in the spec.
29	3.1.3	C	Examples	not reviewed, still up for change
30	3.2.1.1.	1	Example para	"...if there is no dedicated mouse event handler attached to the object" an event handler can not be attached to an object. Better "...if there is no mouse event handler attached to the metafile"
31	3.2.1.1	1	Example para, last sentence	The event model...(strike s in events), also found in other places. QUESTION: Is it events model or event model? Events handler or event handler?
32	3.2.1.1	1	Example para, both bullets	"if the mouse is in..." is misleading, because it does not say what type of mouse event it is. For the simple cases here I suggest to use "if the mouse click is in..." instead.
33	3.2.1.1	1	If on the other hand para	"...does not contain a linkuri, then no hyperlink processing occurs and the event is passed along for further processing." What further processing should that be? Any event handling will happen before a linkuri gets examined, so if there is no linkuri, the event gets discarded IMO.
34	3.2.1.3	1	first para	strike comma after 'para'
35	3.2.1.5	1	first para, last sentence	insert comma before "however,"

36	3.2.1.3-3.2.1.5	?	Para/Subpara	<p>since both may contain graphical data, i.e. polygonized text, shouldn't grnode be allowed in here as well?</p> <p>I am not sure, because grnode may contain gobject etc, so probably not.</p> <p>However, if not, the text in 3.2.1.5 needs to be changed, where the Viewer Behavior suggests that a grnode's direct ancestor could be a para or subpara.</p>
37	3.2.2.1	3	interactive region link	should probably point to 3.2.1.1, where it is defined.
38	3.2.2.1	1	Parameters para	The data record is an SDR...
39	3.2.2.1	3	Contiguous bezier vs. continuous bezier	should that be the same?
40	3.2.2.2	1	Parameters para	The data record is an SDR...
41	3.2.2.3	1	Parameters para	The data record is an SDR...
42	3.2.2.3	1	The Behavior string...	we should go away from the term "picture behavior". Also, if the target is non-CGM, there is no "picture" at all.
43	3.2.2.3	1	The Behavior string...	insert a space between "in" and "3.1.2.2"
44	3.2.2.3	1	in the case...	2nd sentence discourages usage within fragment, 3rd sentence should hence be changed to: "For specifying picture behavior, WebCGM 'linkuri' instances shall use the Behavior string only."
45	3.2.2.3	1	Example 1	we discourage people to use this form, the example should say: #pictseqno(1).objid(someld, zoom), plus 'linkuri' 3rd parameter value of _blank
46	3.2.2.3	1	Example 2	What do we do with a WebCGM fragment here if the target of the link is HTML? Suggestion: myHTMLfile.htm#myAnchor, plus 'linkuri' 3rd parameter value of _blank. Strike next sentence
47	3.2.2.3	1	Example 3	redundant. We should only list examples that show the preferred way, not all options, this is confusing for the user. So best would be: strike example 1, change example 2, and leave example 3
48	3.2.2.4	1	Parameters para	The data record is an SDR...
49	3.2.2.4	1	null layer	What is the null layer? Where is it defined?

50	3.2.2.5	1	Parameters para	The data record is an SDR...
51	3.2.2.6	3	interactive region link	should probably point to 3.2.1.1, where it is defined.
52	3.2.2.6	1	Description para	...that mouse over events...
53	3.2.2.6	1	Parameters para	The data record is an SDR...
54	3.2.2.7	1	Parameters para	The data record is an SDR...
55	3.2.2.8	1	Description para	change 'sub-para' to 'subpara'
56	3.2.2.8	1	Parameters para	The data record is an SDR...
57	3.2.2.9	1	Parameters para	The data record is an SDR...
58	3.2.2.10	1	Parameters para	The data record is an SDR...
59	3.3	1	Last para	Link on 3.2.2.10 is broken.