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424 <! WebCGM instance with which the <a href="WebCGM21-XCF.html">resource file</a>
425 <! is a companion &mdash; i.e. relative to the WebCGM file referenced by the
426 <! base part of the <acronym
!> WebCGM instance with which the <a href="WebCGM20-XCF.html">XML Companion
!> File</a> is a companion &mdash; i.e. relative to the WebCGM file referenced
!> by the base part of the <acronym
467 <! (3.1.2.8)</a>.</p>
!> (3.1.2.7)</a>.</p>
472 <! <p>Since version 2.0, WebCGM allows only one picture per metafile. Therefore
473 <! the picture selection keywords are of limited utility, However, WebCGM 1.0
474 <! allowed multiple pictures per metafile. Newer WebCGM viewers might therefore
475 <! operate in legacy 1.0 environments or "mixed" environments:</p>
!> <p>In a purely WebCGM 2.0 environment, the picture selection keywords are of
!> limited utility, because WebCGM 2.0 allows only one picture per metafile.
!> However, WebCGM 1.0 allowed multiple pictures per metafile. Therefore WebCGM
!> 2.0 viewers might operate in legacy 1.0 or "mixed" 1.0/2.0 environments:</p>
477 <! <li>WebCGM 2.1 &amp; 2.0 viewers, especially when they are upgrading and
478 <! replacing WebCGM 1.0 viewers, might receive external requests to link to
!> <li>WebCGM 2.0 viewers, especially when they are upgrading and replacing
!> WebCGM 1.0 viewers, might receive external requests to link to
480 <! <li>WebCGM 2.1 &amp; 2.0 metafiles might need to link to legacy WebCGM
481 <! metafiles that are multi-picture;</li>
482 <! <li>WebCGM 2.1 &amp; 2.0 viewers might receive requests for non-existent
483 <! pictures in metafiles of any version, and there should be fallback
484 <! behavior as there was in WebCGM 1.0.</li>
!> <li>WebCGM 2.0 metafiles might need to link to legacy WebCGM metafiles that
!> are multi-picture;</li>
!> <li>WebCGM 2.0 viewers might receive requests for non-existent pictures in
!> metafiles of any version, and there should be fallback behavior as there
!> was in WebCGM 1.0.</li>
573 <! href="WebCGM21-Intro.html#XML10">XML10</a>].</p>
!> href="WebCGM20-Intro.html#XML10">XML10</a>].</p>
580 <! href="WebCGM21-Intro.html#XML10">HTML401</a>].</p>
!> href="WebCGM20-Intro.html#XML10">HTML401</a>].</p>
680 <! is retained as examples of correct application of the current, more
681 <! generalized rules of WebCGM.</p>
!> is retained as examples of correct application of the more generalized rules
!> of WebCGM 2.0.</p>
745 <! <p>WebCGM contains twelve distinct object behaviors, eleven of which are
!> <p>WebCGM 2.0 contains twelve distinct object behaviors, eleven of which are
777 <! <p>The following table enumerates the object behaviors available in WebCGM.
778 <! The <em>Navigation</em> column indicates whether the viewer performs any
!> <p>The following table enumerates the object behaviors available in WebCGM
!> 2.0. The <em>Navigation</em> column indicates whether the viewer performs any
785 <! <caption><strong>Object behaviors of WebCGM</strong></caption>
!> <caption><strong>Object behaviors of WebCGM 2.0</strong></caption>
800 <! <td align="center">&nbsp;</td>
!> <td align="center"> </td>
805 <! <td align="center">&nbsp;</td>
!> <td align="center"> </td>
809 <! <td align="center">&nbsp;</td>
!> <td align="center"> </td>
814 <! <td align="center">&nbsp;</td>
!> <td align="center"> </td>
820 <! <td align="center">X&nbsp;</td>
!> <td align="center">X </td>
826 <! <td align="center">X&nbsp;</td>
!> <td align="center">X </td>
859 <! object behaviors</a> that <a href="WebCGM21-Conf.html#deprecated">WebCGM 2.0
860 <! deprecated</a> &mdash; view_context, highlight, and highlight_all. WebCGM 2.1
!> object behaviors</a> that <a href="WebCGM20-Conf.html#deprecated">WebCGM 2.0
!> deprecates</a> &mdash; view_context, highlight, and highlight_all. WebCGM 2.0
862 <! mapping them to WebCGM 2.1 behaviors as follows:</p>
!> mapping them to WebCGM 2.0 behaviors as follows:</p>
938 <! apply an <a href="WebCGM21-XCF.html">XML Companion File</a> (XCF) together
!> apply an <a href="WebCGM20-XCF.html">XML Companion File</a> (XCF) together
982 <! href="WebCGM21-DOM.html#L5044"><code>WebCGMMetafile</code> interface</a>
!> href="WebCGM20-DOM.html#L5044"><code>WebCGMMetafile</code> interface</a>

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987      <li> (see <a href="WebCGM21-DOM.html#webcgmmetafile-src">5.7.3 'src'</a>).</li>
!>      (see <a href="WebCGM20-DOM.html#webcgmmetafile-src">5.7.3 'src'</a>).</li>
1224 <li> <p>Content Model. Except when occurring in Text Open State (<a
1225 href="#webcgm_substring_hotspot">see 3.2.1.7</a>), the content of an APS of
1226 type 'grobjct' is (see <a href="#webcgm_3_1_1_2">fragment syntax</a> for
1227 definition of EBNF notation):</p>
!> <p>Content Model. The content of an APS of type 'grobjct' is (see <a
!> href="#webcgm_3_1_1_2">fragment syntax</a> for definition of EBNF
!> notation):</p>
1236 <li> rules of <a href="WebCGM21-DOM.html#webcgm_webcgmevent">WebCGM DOM
!> rules of <a href="WebCGM20-DOM.html#webcgm_webcgmevent">WebCGM DOM
1249 <li> href="WebCGM21-DOM.html#webcgm_webcgmevent">WebCGM DOM event model</a> says
!> href="WebCGM20-DOM.html#webcgm_webcgmevent">WebCGM DOM event model</a> says
1272 <li> construed as a continuation of the definition of that object. Since version
1273 <li> 2.0, continued APS constructs are prohibited in WebCGM metafile instances.</p>
!> construed as a continuation of the definition of that object. WebCGM 2.0
!> metafile instances shall not contain continued APS constructs.</p>
1306 <li> fragmented into multiple smaller text elements). Except when occurring in
1307 <li> Text Open State, 'para' APSS may contain any CGM graphical content allowed by
1308 <li> this profile.</p>
!> fragmented into multiple smaller text elements). 'Para' APSS may contain any
!> CGM graphical content allowed by this profile.</p>
1310 <li> <p>Content Model. Except when occurring in Text Open State (<a
1311 href="#webcgm_substring_hotspot">see 3.2.1.7</a>), the content of an APS of
1312 type 'para' is (see <a href="#webcgm_3_1_1_2">fragment</a> syntax for
1313 definition of EBNF notation):</p>
!> <p>Content Model. The content of an APS of type 'para' is (see <a
!> href="#webcgm_3_1_1_2">fragment syntax</a> for definition of EBNF
!> notation):</p>
1346 <li> hotspots. Except when occurring in Text Open State (<a
1347 href="#webcgm_substring_hotspot">see 3.2.1.7</a>), 'subpara' APSS may contain
1348 <li> any CGM graphical content allowed by this profile. 'Subpara' APS may not
1349 <li> contain any nested APS. The APS attribute content rules of sub-para matches
1350 <li> those of 'para'.</p>
!> hotspots. 'Subpara' APSS may contain any CGM graphical content allowed by
!> this profile, but may not contain nested APS. The APS attribute content rules
!> of sub-para matches those of 'para'.</p>
1352 <li> <p>Content Model. Except when occurring in Text Open State (<a
1353 href="#webcgm_substring_hotspot">see 3.2.1.7</a>), the content of an APS of
1354 type 'subpara' is (see <a href="#webcgm_3_1_1_2">fragment syntax</a> for
1355 definition of EBNF notation):</p>
!> <p>Content Model. The content of an APS of type 'subpara' is (see <a
!> href="#webcgm_3_1_1_2">fragment syntax</a> for definition of EBNF
!> notation):</p>
1391 <li> href="WebCGM21-DOM.html#webcgm_webcgmevent">Event interface</a> for more
1392 <li> information regarding mouse events. APS of type 'grnode' also do not support
1393 <li> most DOM functionality such as Style Properties, object-extent inquiry, etc.
1394 <li> See the appropriate sections of the <a href="WebCGM21-DOM.html">DOM
1395 <li> chapter</a> for details.</p>
!> href="WebCGM20-DOM.html#webcgm_webcgmevent">Event interface</a> for more
!> information regarding mouse events.</p>
1405 <li> defined in the section <cite><a href="WebCGM21-XCF.html">XML Companion
!> defined in the section <cite><a href="WebCGM20-XCF.html">XML Companion
1408 <li> <h4><a id="webcgm_substring_hotspot" name="webcgm_substring_hotspot">3.2.1.7
1409 <li> APS in Text Open State</a></h4>
1410 <li>
1411 <li> <p>The <a href="WebCGM21-Intro.html#ref-substring-corrigendum">rules of
1412 <li> CGM:1999 (corrected)</a> allow an APS to occur in Text Open State, i.e.,
1413 <li> after a 'notfinal' RESTRICTED TEXT (RT) element but before the terminating
1414 <li> 'final' APPEND TEXT (AT) element. This allows, for example, a substring
1415 <li> comprising one of the interior APPEND TEXT elements in a RT-AT-AT-...-AT
1416 <li> sequence to be contained within an APS. Thus, for example, the APPEND TEXT
1417 <li> element (substring) could be the target of a link, or could be the source of
1418 <li> a link (a "hotspot").</p>
1419 <li>
1420 <li> <p>Such an APS is referred to as a <em>substring APS</em>.</p>
1421 <li>
1422 <li> <p>WebCGM 2.1 restricts the APS types of such substring APS to: <a

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1423 <! href="#webcgm_3_2_1_1">'grobjct'</a>', '<a href="#webcgm_3_2_1_3">para</a>',
1424 <! and '<a href="#webcgm_3_2_1_4">subpara</a>'. For APS of these types that are
1425 <! <em>not</em> substring APS, the content rules are as quoted in sections <a
1426 <! href="#webcgm_3_2_1_1">3.2.1.1</a>, <a href="#webcgm_3_2_1_3">3.2.1.3</a>,
1427 <! and <a href="#webcgm_3_2_1_4">3.2.1.4</a> respectively. If an APS of one of
1428 <! these types is a substring APS, then its content is restricted as follows by
1429 <! the rules of CGM:1999 (corrected): only the APPEND TEXT element and those
1430 <! text attributes normally allowable in Text Open State (under CGM:1999
1431 <! rules).</p>
1432 <!
1433 <! <p>The allowable APS Attributes for 'grobjct', 'para', and 'subpara' are as
1434 <! designated in <a href="#webcgm_3_2_1_1">3.2.1.1</a>, <a
1435 <! href="#webcgm_3_2_1_3">3.2.1.3</a>, and <a href="#webcgm_3_2_1_4">3.2.1.4</a>
1436 <! respectively, regardless of whether or not they are substring APS.</p>
1437 <!
1438 <! <p>The <a href="WebCGM21-DOM.html">WebCGM DOM</a> (Chapter 5) and <a
1439 <! href="WebCGM21-XCF.html">WebCGM XCF</a> (Chapter 4) allow the application of
1440 <! geometric transforms to APS of all types except 'grnode'. Therefore, a
1441 <! geometric transform could potentially be targetted at an APS ('grobjct',
1442 <! 'para', or 'subpara') that contains a substring APS. In this case, the layout
1443 <! and rendering rules of CGM:1999 for Restricted Text and Append Text (see <a
1444 <! href="WebCGM21-Intro.html#ref-ISO-CGM">ISO/IEC 8632:1999</a>, section 6.7.3)
1445 <! shall have precedence. Any attempt to set a geometric transform on a
1446 <! substring APS shall have no effect.</p>
1447 <!
1448 <! href="WebCGM21-Appendix.html#def-interactive-region"><em>interactive
1449 <! href="WebCGM20-Appendix.html#def-interactive-region"><em>interactive
1533 <! href="WebCGM21-DOM.html#webcgm_webcgmevent">WebCGM event model</a> determines
1534 <! href="WebCGM20-DOM.html#webcgm_webcgmevent">WebCGM event model</a> determines
1658 <! href="WebCGM21-Appendix.html#def-interactive-region"><em>interactive
1659 <! href="WebCGM20-Appendix.html#def-interactive-region"><em>interactive
1661 <! href="WebCGM21-DOM.html#webcgm_webcgmevent">WebCGM event model</a> determines
1662 <! href="WebCGM20-DOM.html#webcgm_webcgmevent">WebCGM event model</a> determines
1736 <! href="WebCGM21-DOM.html#L2666">inherited</a> by any descendant objects of
1737 <! href="WebCGM20-DOM.html#L2666">inherited</a> by any descendant objects of
1762 <! 'interactivity' is <a href="WebCGM21-DOM.html#L2666">inherited</a> by any
1763 <! 'interactivity' is <a href="WebCGM20-DOM.html#L2666">inherited</a> by any
1786 <! <cite><a href="WebCGM21-XCF.html">XML Companion File</a></cite> ( <acronym
1787 <! <cite><a href="WebCGM20-XCF.html">XML Companion File</a></cite> ( <acronym
1800 <! &lt;!-- content of WebCGM the following DTD fragment -->
1801 <! &lt;!-- content of WebCGM 2.0 the following DTD fragment -->
1905 <! offers an <a href="WebCGM21-DOM.html#L5044">addEventListener</a> method for
1906 <! offers an <a href="WebCGM20-DOM.html#L5044">addEventListener</a> method for
1920 <! permissible values (after the ":"), and description. The names and the
1921 <! permissible values are case-insensitive, with the single exception of the
1922 <! value of the <code>'</code><code>onload</code>' <code>param</code> (which
1923 <! identifies the event handler script function that is to be invoked upon the
1924 <! <code>onload</code> event, represented below as<span
1925 <! class="diff-add">"</span><code>&lt;eventHandlerName(evt)&gt;</code>".</p>
1926 <! permissible values (after the ":"), and description.</p>
1956 <! COLOUR element in the CGM picture. (See <a
1957 <! href="WebCGM21-Concepts.html#webcgm_2_2_3">section 2.2.3</a>.)
1958 <! <p><em>The <code>background</code> param element is <a
1959 <! href="WebCGM21-Conf.html#obsolete-21">obsolete</a> as of version 2.1 of
1960 <! this profile.</em></p>
1961 <! </dd>
1962 <!
1963 <! COLOUR element in the CGM picture.</dd>
1979 <! <p><em>The <code>viewport</code> param element is <a
1980 <! href="WebCGM21-Conf.html#deprecated">deprecated</a> and may be removed
1981 <! in a future version of this profile.</em></p>
1982 <! <p><em>The <code>viewport</code> param element is deprecated and may be
1983 <! removed in a future version of this profile.</em></p>

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