Differences between Open Document Format for Office Applications (OpenDocument) v1.0 and Open Document Format for Office Applications (OpenDocument) v1.0 (Second Edition)

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Abstract:
This non-normative document describes the differences between Open Document Format for Office Applications (OpenDocument) v1.0 and Open Document Format for Office Applications (OpenDocument) v1.0 (Second Edition).
Changes from “Open Document Format for Office Applications (OpenDocument) v1.0”

The following are the changes between the “Open Document Format for Office Applications (OpenDocument) v1.0” specification and the “Open Document Format for Office Applications (OpenDocument) v1.0 (Second Edition)” specification.


1. The usage of key words for "shall", "may", etc. conforms now to Annex H of the ISO directives:
   - Section 1.2 Notation changed from
     Within this specification, the key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" are to be interpreted as described in [RFC2119] if they appear in uppercase bold letters.
     to
     Within this specification, the key words "shall", "shall not", "should", "should not" and "may" are to be interpreted as described in Annex H of [ISO/IEC Directives] if they appear in bold letters.
   - In the bibliography (Appendix B), the entry [RFC2119] has been replaced with:
   - The keywords "shall", "shall not", "should", "should not" and "may" appear now in bold letters only rather than in capitalized bold letters.
   - In section 1.5, the paragraph
     Conforming applications either MUST read documents that are valid against the OpenDocument schema if all foreign elements and attributes are removed before validation takes place, or MUST write documents that are valid against the OpenDocument schema if all foreign elements and attributes are removed before validation takes place.
     now reads
     Conforming applications either shall read documents that are valid against the OpenDocument schema if all foreign elements and attributes are removed before validation takes place, or shall write documents that are valid against the OpenDocument schema if all foreign elements and attributes are removed before validation takes place.
   - The paragraphs
     Foreign elements MAY have an office:process-content attribute attached that has the value true or false. If the attribute's value is true, or if the attribute does not exist, the element's content SHOULD be processed by conforming applications. Otherwise conforming applications SHOULD NOT process the element's content, but MAY only preserve its content. If the element's content should be processed, the document
itself **MUST** be valid against the OpenDocument schema if the unknown element is replaced with its content only.

Conforming applications **MUST** read documents containing processing instructions and **SHOULD** preserve them.

now read

Foreign elements **may** have an office:process-content attribute attached that has the value true or false. If the attribute's value is true, or if the attribute does not exist, the element's content **should** be processed by conforming applications. Otherwise conforming applications **should not** process the element's content, but **may** only preserve its content. If the element's content should be processed, the document itself **shall** be valid against the OpenDocument schema if the unknown element is replaced with its content only.

Conforming applications **shall** read documents containing processing instructions and **should** preserve them.

- **In section 1.7,** the paragraphs

For office documents that conform to this specification but are not contained in a package, it is **RECOMMENDED** to use the MIME type text/xml.

It is **RECOMMENDED** that only MIME types and extensions that have been registered according to [RFC2048] are used for office documents that conform to this specification. It is also **RECOMMENDED** that the MIME types and extensions listed in appendix C are used where appropriate.

now read

Office documents that conform to this specification but are not contained in a package **should** use the MIME type text/xml.

Only MIME types and extensions that have been registered according to [RFC2048] **should** be used for office documents that conform to this specification. The MIME types and extensions listed in appendix C **should** be used where appropriate.

- **In section 2.4.6,** the paragraph

To represent a text cursor position within a document, a processing instruction with PITarget opendocument (see §2.6 of [XML1.0]) **SHOULD** be used. The name of the cursor position processing instruction, cursor-position, **MUST** follow the PITarget opendocument. The processing instruction may have arbitrary application specific attributes, for instance to connect the cursor position with a certain view of the document, where the views themselves are specified as application specific settings. The syntax for these attributes **MUST** be the same as for attributes within XML start tags.

now reads

To represent a text cursor position within a document, a processing instruction with PITarget opendocument (see §2.6 of [XML1.0]) **should** be used. The name of the cursor position processing instruction, cursor-position, **shall** follow the PITarget opendocument. The processing instruction may have arbitrary application specific attributes, for instance to connect the cursor position with a certain view of the document, where the views themselves are specified as application specific settings. The syntax for these attributes **shall** be the same as for attributes within XML start tags.

- **In section 3.1.,** the paragraphs
Conforming applications MAY use the generator string to work around bugs that exist or existed in certain applications, but MUST NOT deliberately implement a different behavior depending on a certain generator string.

If the application that created the document could not provide an identifier string, the application does not export this element. If another application modifies the document and it cannot provide a unique identifier, it MUST NOT export the original identifier belonging to the application that created the document.

now read

Conforming applications may use the generator string to work around bugs that exist or existed in certain applications, but shall not deliberately implement a different behavior depending on a certain generator string.

If the application that created the document could not provide an identifier string, the application does not export this element. If another application modifies the document and it cannot provide a unique identifier, it shall not export the original identifier belonging to the application that created the document.

• In section 17.4, the paragraph

If a MIME type for a document that makes use of packages is existing, then the package SHOULD contain a stream called "mimetype". This stream SHOULD be first stream of the package's zip file, it MUST NOT be compressed, and it MUST NOT use an 'extra field' in its header (see [ZIP]).

now reads

If a MIME type for a document that makes use of packages is existing, then the package should contain a stream called "mimetype". This stream should be first stream of the package's zip file, it shall not be compressed, and it shall not use an 'extra field' in its header (see [ZIP]).

• In section 17.5, the paragraph

URIs that reference a sub file of a package MUST be relative, and they MUST NOT contain paths that are not within the package. This especially means that sub files of a package MUST NOT be referenced by an absolute URI.

now reads

IRIs that reference a sub file of a package shall be relative, and they shall not contain paths that are not within the package. This especially means that sub files of a package shall not be referenced by an absolute IRI.

• In Appendix C, the paragraph

Please check [MIMETYPES] before using these MIME types. If a MIME type is not listed there, it is RECOMMENDED to use the MIME type that is the result of inserting "x-" behind the "/" character (i.e. application/x-vnd.oasis.opendocument.text).

now reads

Please check [MIMETYPES] before using these MIME types. If a MIME type is not listed there, the MIME type that is the result of inserting "x-" behind the "/" character (i.e., application/x-vnd.oasis.opendocument.text) should be used.

2. The following ambiguous references were replaced with explicit references:

• Page 64: The empty reference

(see section 6.7.1)
was removed.

- Page 97:
  They are very similar to the date fields described in the previous section,
  now reads:
  They are very similar to the date fields described in section 6.2.1,

- Page 108:
  The OpenDocument code for declaring variables is described in the following section.
  now reads:
  The OpenDocument code for declaring variables is described in sections 6.3.1, 6.3.5 and 6.3.8.

- Page 113:
  See following section Outline Level for information about this attribute.
  now reads:
  See section 6.3.8:Outline Level for information about this attribute.

- Page 113:
  See following section Separation Character for information about this attribute.
  now reads:
  See section 6.3.8:Separation Character for information about this attribute.

- Page 114:
  See the following section Reference Name for more information about this attribute.
  now reads:
  See section 6.3.9:Reference Name for more information about this attribute.

- Page 123:
  See following section Column Name for information about this attribute.
  now reads:
  See section 6.5.2:Column Name for information about this attribute.

- Page 124:
  See following section Condition for information about this attribute.
  now reads:
  See section 6.5.3:Condition for information about this attribute.

- Page 125:
  See the following section Selecting the Row Number about this attribute.
  now reads:
  See section 6.5.4:Selecting the Row Number about this attribute.

- Page 179:
  If the table is printed, the table range that actually is printed can be specified by
  table:print-range attribute (see following section).
  now reads:
  If the table is printed, the table range that actually is printed can be specified by
  table:print-ranges attribute (see section 8.1.1 Print Ranges).
Using cells that span several rows, the preceding table is specified as follows:
now reads:
Using cells that span several rows, the table is specified as follows:

• Page 192:
Using sub tables, the preceding table is specified as follows:
now reads:
Using sub tables, the table is specified as follows:

• Page 223
It belongs to the subtotal rules element, see the previous section.
now reads:
It belongs to the subtotal rules element, see section 8.6.7.

• Page 393:
The form model described in the previous chapter implies a data model....
now reads:
The form model described in section 11.1 implies a data model....

• Page 524:
in sections 15.5 and .
now reads
in sections 15.5 and 15.4.

• Page 546:
The value of this attribute can be an integer or continue. If the value is continue, the
page number is the last page number incremented by 1. The default first page
number is 1.
now reads:
The value of this attribute can be an integer or continue. If the value is continue, the
page number is the preceding page number incremented by 1. The default first page
number is 1.

• Page 646:
See the previous section for information on the style:horizontal-pos property.
now reads:
See section 15.27.9 for information on the style:horizontal-pos property.

• Page 648:
See the previous section for information on the style:vertical-pos property.
now reads:
See section 15.27.11 for information on the style:vertical-pos property.

• Page 673:
See
now reads
See also section 9.7.2.

3. Various spelling and grammatical errors were corrected:

Page 28: Tickmarks -> Tick Marks
Page 31: an introduction -> the introduction
Page 31: an document -> a document
Page 32: Table 2lists -> Table 2 lists
Page 39: it's -> it is
Page 52: an document -> a document
Page 64: meta:type -> meta:value-type
Page 74: continuos -> continuous
Page 86: non-layouting -> non-layout oriented
Page 86: Layouters -> Layout oriented processors
Page 94: an character -> a character
Page 106: therefor -> therefore
Page 106: the the -> the
Page 113: prepended -> prefixed
Page 126: this attribute -> these attributes
Page 146: Two occurrences of text:id that have not been set using the fixed width font
Page 164: Subentries -> Sub entries
Page 165: subentries -> sub entries
Page 175: outline-level -> outline-level (2times)
Page 179: table:print-range -> table:print-ranges
Page 180: an default - a default
Page 181: "To be able to specify cells for such positions as well, the <table:covered-table-cell> element exists." now reads "The <table:covered-table-cell> element exists to be able to specify cells for such positions."
Page 182: cane -> can
Page 186: it's -> its
Page 201: 2nd -> second operation
Page 202: of an detective operations -> of detective operations
Page 208: an Boolean expression -> a Boolean expression
Page 221: it's -> its
Page 228: sub conditions -> sub-conditions
Page 234: an member -> a member
Page 235: and 236: username -> user name
Page 238: an data layout field -> a data layout field
Page 239: sub group -> sub-group
Page 244: an member's data -> a member's data
Page 246: one occurrence of "row-percentage" had incorrect formatting
Page 269: assignes -> assigns
Page 270: titeldia -> titledia
Page 275: Bezier -> Bézier
Page 282: renders -> displays
Page 295: an relative value -> a relative value
Page 314: casted -> cast
Page 328: poin -> point
Page 330: The sub-paths will be filled by using eofill -> The sub-paths will be filled by using the "even-odd" filling rule
Page 330: sub-pathes -> subpaths
Page 332: sub element -> sub-element
Page 339: draw:handle-radius-range-minumum -> draw:handle-radius-range-minimum
Page 340: are existing -> exist
Page 341: an handout page -> a handout page
Page 350: timming -> timing
Page 351: roation -> rotation
Page 351: y: animates -> y animates
Page 352: e: -> e
Page 356: url -> URL
Page 356: a url -> an URL
Page 359: an header field -> a header field
Page 367: and an by -> and by
Page 374: sub element -> sub-element
Page 378: tickmarks -> tick marks (three times)
Page 378: gridlines -> grid lines
Page 391: an command -> a command
Page 392: an command -> a command
Page 395: it's -> it is
Page 404: noderset -> node-set
Page 406: like an usual push button. -> like a push button.
Page 406: submit for an image button -> "submit" for an image button
Page 412: Minimum -> Minimum
Page 417: it's -> its
Page 417: an default -> a default
Page 429: focussed -> focused (two times)
Page 429: on-performaction -> "on performaction"
Page 429: " " (duplicate blank character in row "performaction") -> " "
Page 429: " " (duplicate blank character in row supplyparameter) -> " "
Page 430: on-rowchange -> "on rowchange"
Page 438: an macro -> a macro
Page 451: Bezier -> Bézier
Page 454: Syncronization -> synchronization
Page 454: the children -> their children
Page 457: that's -> whose
Page 476: <style:text-properties> -> <style:text-properties>
Page 476: The are -> They are
Page 476: to expensive -> too expensive
Page 478: style:region-right -> style:region-right
Page 480: as attribute of <style:text-properties> -> as an attribute of the <style:text-properties>
Page 515: does exist -> exists
Page 518: an list item -> a list item
Page 529: linearGradient -> linearGradient
Page 523: an heading of -> a heading of
Page 553: a header footers -> the header or footer
Page 554: attached used -> used
Pages 555-557: line through -> line-through (multiple times)
Page 556: line trough -> line-through
Page 556: an higher priority -> a higher priority
Page 557: an common style -> a common style (two times)
Pages 567-568: line through -> line-through (multiple times)
Page 661: chart:interplation -> chart:interpolation
4. A comma ',' was added behind the abbreviations i.e. and e.g. where it was missing.

5. All occurrences of "unicode" and "UNICODE" were replaced with the bibliographic reference "[UNICODE]".

A bibliographic entry for Unicode was added to appendix B:


6. All occurrences of the term URI, with the exception of one in appendix E.1, were replaced with the term IRI, because the W3C Schema "anyURI" datatype that is used in the OpenDocument schema actually takes IRIs rather than URIs.

7. A reference to the RELAX NG DTD Compatibility specification was added to the second paragraph of section 1.4. It reads now:

The schema language used within this specification is Relax-NG (see [RNG]). The attribute default value feature specified in [RNG-Compat] is used to provide attribute default values.

A bibliography entry for the RELAX NG DTD Compatibility specification was added to appendix B:


8. References to [RFC2045] were added to some usages of the term "BASE64", and occurrences of "base64" were corrected to "BASE64":

• In section 9.3.2 Image:Image Data, the sentence

The <draw:image> then element contains an <office:binary-data> element that contains the image data in BASE64 encoding.

now reads

The <draw:image> then element contains an <office:binary-data> element that contains the image data in BASE64 encoding (as defined in [RFC2045]).

• In section 17.7.4 Encryption Data:Checksum, the sentence

The manifest:checksum attribute specifies the base64 encoded digest that ...

now reads

The manifest:checksum attribute specifies the digest in BASE64 encoding (as defined in [RFC2045]) that ...

• In section 17.7.5 Algorithm:Initialization Vector, the sentence

... is encoded in base64 when ...

now reads
... is encoded in BASE64 (as defined in [RFC2045]) when ...

- In section 17.7.6 Key Derivation:Salt, the sentence
  ... is encoded in base64 before ...

  now reads
  ... is encoded in BASE64 (as defined in [RFC2045]) before ...

A bibliography entry for RFC2045 has been added to appendix B:


9. In the sample in section 2.2.2, "meta:type" now reads "meta:value-type" (2 times).

10. In the sample in section 4.6.3

    <text:change-id="c001"/>

    now reads

    <text:change-end text:change-id="c001"/>

11. In section 9.2.5, the sentence

    Drawing shapes are rendered in a specific order. In general, the shapes are rendered in the order in which they appear in the XML document. To change the order, use the
    svg:x and svg:y attribute.

    now reads

    Drawing shapes are rendered in a specific order. In general, the shapes are rendered in the order in which they appear in the XML document. To change the order, use the
    draw:z-index attribute.

12. The reference to the W3C CSS3 Text Module was clarified:

    - In section 15.4.33, the following sentence was added:
      This property is very similar to the text-underline-mode property of [CSS3Text].
    - In section 15.4.34, the following sentence was added:
      This property is very similar to the text-line-through-mode property of [CSS3Text].

13. In section 17.5, the sentence

    A relative-path reference (as described in §5 of [RFC2396])

    now reads

    A relative-path reference (as described in §6.5 of [RFC3987])

    In appendix B, the bibliographic entry for RFC2396 was replaced with one for RFC3987:


14. In appendix B, the bibliographic entry for [RNG] referenced the OASIS specification document for RELAX-NG:
It was replaced with a reference to the ISO specification document:


15. In appendix B, the bibliographic entry for ZIP


now reads


16. In appendix B, the URL “http://www.w3.org/TR/2003/CR-css3-text-20030514” was added to the bibliographic entry for CSS3Text.

17. The contributor list was moved from the title page into an appendix.