
OpenOffice.org 2.0 File Format Change Proposal

Improved Citation Support, 19 Aug 2004

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1 Paragraph Elements Content

1.1 Required changes to OASIS Open Office 1.0 Schema

This section describes changes that must be applied to the [OO] schema in order to integrate the proposed file format change.

Relax-NG Schema Prefix

The schema language used within this specification is Relax-NG (see [RNG]).

Prefix for the normative Relax-NG schema:

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!--
3   OpenOffice.org 2.0 biblio
4   19 Aug 2004
5   Relax-NG Schema
6 -->
7
8
9 <grammar xmlns="http://relaxng.org/ns/structure/1.0">
10   <include href="office-strict-schema-1.0-cd-1.rng">
```

Required Changes

[none; the schema additions can be merge in using the 'combine' attribute]

Relax-NG Schema Intermediate

Intermediate for the normative Relax-NG schema:

```
11   </include>
```

1.2 Bibliographic Citation

[... to become chapter 5.9 ...]

The bibliographic citation used in this document was developed by the BiblioX project [BiblioX]. This variant is based on the biblioref element recently approved for inclusion in DocBook. The bibliographic citations use the following namespace :

```
12 xmlns:bib="http://www.silmaril.ie/bibliox/xbc"
```

A bibliographic citation consists of a citation source and a citation body. The citation source determines the content of a citation, which a bibliographic citation processor can then suitably render into the citation body.

```
13 <define name="paragraph-content" combine="choice">
14   <element name="bib:citation">
15     <ref name="bib-citation-source"/>
16     <optional>
17       <ref name="bib-citation-body"/>
18     </optional>
19   </element>
```

```
20 </define>
```

1.2.1 Citation Source

A citation source consists of a sequence of bibliographic references, which as a whole make up a citation.

```
21 <define name="bib-citation-source">
22   <element name="bib:citation-source">
23     <oneOrMore>
24       <ref name="bib-biblioref"/>
25     </oneOrMore>
26   </element>
27 </define>
```

Bibliographic Reference

A bibliographic reference contains a `bib:linkend` attribute reference to the actual citation. (The name `linkend` is derived from DocBook.) Additionally, the reference contains a number of `<bib:detail>` elements that specify which parts (a range of pages, paragraphs, etc.) of the reference are being cited. Also contained are a sequence of captions that may lead or follow the bibliographic reference.

```
28 <define name="bib-biblioref">
29   <element name="bib:biblioref">
30     <ref name="bib-biblioref-attlist"/>
31     <zeroOrMore>
32       <ref name="bib-detail"/>
33     </zeroOrMore>
34     <zeroOrMore>
35       <ref name="bib-caption"/>
36     </zeroOrMore>
37   </element>
38 </define>
```

The `bib:linkend` attribute names the bibliographic entry that is cited here.

```
39 <define name="bib-biblioref-attlist" combine="interleave">
40   <attribute name="bib:linkend">
41     <data type="token" datatypeLibrary=""/>
42   </attribute>
43 </define>
```

The optional `bib:citation` attribute gives a hint to the citation processor how this bibliographic reference is to be rendered. The interpretation of the attribute value is left to the citation processor.

```
44 <define name="bib-biblioref-attlist" combine="interleave">
45   <optional>
46     <attribute name="bib:citation-style">
47       <ref name="string"/>
48     </attribute>
49   </optional>
50 </define>
```

Bibliographic Reference Detail

The `<bib:detail>` element provides details on which parts of the referenced citation is being referred to. It gives a range of pages (or similar) which is covered by the citation. The `bib:units` attribute specifies whether the range refers to pages, chapters, lines, paragraphs or figures.

```
51 <define name="bib-detail">
```

```

52     <element name="bib:detail">
53         <attribute name="bib:begin">
54             <ref name="string"/>
55         </attribute>
56         <optional>
57             <attribute name="bib:end">
58                 <ref name="string"/>
59             </attribute>
60         </optional>
61         <attribute name="bib:units">
62             <choice>
63                 <value>pages</value>
64                 <value>chapters</value>
65                 <value>lines</value>
66                 <value>paragraphs</value>
67                 <value>figures</value>
68             </choice>
69         </attribute>
70     </element>
71 </define>

```

Reference Caption

The caption contains formatted text to lead or follow the citation.

```

72 <define name="bib-caption">
73     <element name="bib:caption">
74         <ref name="bib-caption-attlist"/>
75         <zeroOrMore>
76             <ref name="paragraph-content"/>
77         </zeroOrMore>
78     </element>
79 </define>

```

The caption position determines whether the caption should be positioned before or after the citation.

```

80 <define name="bib-caption-attlist">
81     <attribute name="bib:position">
82         <choice>
83             <value>before</value>
84             <value>after</value>
85         </choice>
86     </attribute>
87 </define>

```

1.2.2 Citation Body

The citation body contains a rendition of the citation using the same content model as a `<text:span>` element. This allows applications to process bibliographic citations without having to implement the full citation logic, and also allows specialized bibliographic software to pre-process citations without having to implement the full OASIS Open Office 1.0 specification. `<define name="bib-citation-body">`

```

88 <define name="bib-citation-body">
89     <element name="bib:citation-body">
90         <zeroOrMore>
91             <ref name="paragraph-content"/>
92         </zeroOrMore>
93     </element>
94 </define>

```

1.3 Relax-NG Schema Suffix

Suffix for the normative Relax-NG schema:

95 `</grammar>`

Appendix A. References

[OO] Michael Brauer, Daniel Vogelheim, Open Office Specification 1.0, <http://www.oasis-open.org/committees/download.php/6032/office-spec-1.0-cd-1.sxw>, OASIS , 2004.

[RNG] James Clark, MURATA Makoto, RELAX NG Specification, <http://oasis-open.org/committees/relax-ng/spec-20011203.html>, OASIS , 2001.