A Guide to BibWord

# Introduction

Starting with Microsoft Word 2007, customers with knowledge of XML and XSLT can create their own stylesheets to format citation and bibliography fields within their Word documents. Although still in its infancy, the technology looks very promising for everyone interested in writing scientific articles. Unfortunately, the technology is poorly documented and for most customers the stylesheets which come with Word are overly complex to be used as a guideline for developing new stylesheets.

The main goal of the BibWord project is to simplify the creation of new styles. This is achieved by eliminating the need to know XSLT and by organizing the formatting process inside the stylesheet in such a way that new styles can easily be created from existing ones without having to go over thousands of lines of code.

The way the formatting data is stored inside the stylesheet also makes it easier to develop a graphical user interface to help those style developers who have no XML knowledge.

# Type extension

When adding a new bibliographic source to a document, users have to specify the type of source they are adding. In the current bibliography schema, the following 17 types are defined:

|  |  |  |
| --- | --- | --- |
| Art | DocumentFromInternetSite | Misc |
| ArticleInAPeriodical | ElectronicSource | Patent |
| Book | Film | Performance |
| BookSection | InternetSite | Report |
| Case | Interview | SoundRecording |
| ConferenceProceedings | JournalArticle |  |

Depending on the research field, some common types such as theses, international standards, and electronic books are missing.

Using the BibType tool[[1]](#footnote-1) it is possible to add new source types to the list. However, as explained in the BibType documentation, doing so would mean that some styles might not be able to format some entries. Therefore, BibWord uses another approach.

The schema for bibliographies defines a Type element which is currently only used in case of a patent. In BibWord, using BibType, this element is added to every type of source. When BibWord needs to retrieve formatting information, it first tries to find the information based on the content of the Type element. If that element is empty, or there is no according format information, BibWord falls back to the value of the SourceType element. In theory, every style should at least implement formatting options for each of those.

# The BibWord XML Data Structure

## The Main XML Structure

The BibWord project stores all data inside an XML tree in the stylesheet. Because of the (default) security settings of Word, it is not possible for the XSLT engine to apply the document() function to part of the stylesheet. Hence, all formatting data is wrapped inside a variable called *data* which is then handled by the stylesheet as a node-set. XML Fragment 1 describes the layout of this variable.

|  |
| --- |
| <xsl:variable name="data">  <general>  <!-- General information about the style. -->  </general>  <importantfields>  <!-- Important fields for each supported source type. -->  </importantfields>  <citation>  <!-- Citation format information for each supported source type. -->  </citation>  <footnotecitation>  <!-- Footnote citation format information for each supported  source type. Note supported in Word 2007. -->  </footnotecitation>  <bibliography>  <!-- Bibliography format information for each supported source type. -->  </bibliography>  <namelists>  <!-- Format information for corporations and lists of persons. -->  </namelists>  <strings>  <!-- Format information for specific strings. -->  </strings>  <overrides>  <!-- Parameters overriding some default settings. -->  </overrides>  </xsl:variable> |

XML Fragment 1: The Main XML structure for BibWord.

In the XML structure the value of several of the attributes and fields depends on the elements defined for the b:Source element in “Office Open XML Part 4 - Markup Language Reference” under paragraph 7.6.2.60.

## General information

The general element of the data structure contains eight child elements: stylename, version, version2013, description, url, display\_errors, citation\_as\_link, author and comments. stylename defines how the style should show up in the list of bibliography styles in Word. version defines a date in the ‘yyyy.m.d’ format. *version2013* defines the version number as used by Word 2013. It is a simple integer. The description and url element are only used by Word 2008 or later. description gives more information about the style while url can be used to indicate where updates of the style can be found. The author and comments elements are purely informative and are only used to give credit to the creator of a style and add some additional information about the style. The display\_errors element indicates that if an error is encountered an error message will be shown in the Word document. Valid values for the element are ‘yes’ and ‘no’. The citation\_as\_link element indicates if in-text citations should be clickable links to bibliography elements or not. Valid values for the element are ‘yes’ and ‘no’. An example of an error could be a source for which no formatting information is available. An example of the general XML element is shown in XML Fragment 2.

|  |
| --- |
| <xsl:variable name="data">  <!-- ... -->  <general>  <stylename>A BibWord Style</stylename>  <version>2008.7.31</version>  <version2013>2</version2013>  <author>John Doe (john.doe@example.com)</author>  <description>An implementation of a BibWord based style</description>  <URL> http://bibliography.codeplex.com/updateStyle?id=123 </URL>  <comments>See also http://www.codeplex.com/bibliography</comments>  <display\_errors>yes</display\_errors>  <citation\_as\_link>yes</citation\_as\_link>  </general>  <!-- ... -->  </xsl:variable> |

XML Fragment 2: Example of a general XML fragment.

## Important fields

For each type of source supported by the stylesheet, a set of important fields can be defined. Those are the fields which are shown by default by Word when adding a new source to a document. A list of b:ImportantField elements is maintained for each type of source. The type attribute of source elements takes the same value as the b:SourceType element from the Office Open XML specification. The value of each of the b:ImportantField elements must be one of the fields defined in the Office Open XML specification. XML Fragment 3 contains an example for books.

|  |
| --- |
| <xsl:variable name="data">  <!-- ... -->  <importantfields>  <source type="Book">  <b:ImportantField>b:Author/b:Author/b:NameList</b:ImportantField>  <b:ImportantField>b:Author/b:Editor/b:NameList</b:ImportantField>  <b:ImportantField>b:Title</b:ImportantField>  <b:ImportantField>b:Year</b:ImportantField>  <b:ImportantField>b:City</b:ImportantField>  <b:ImportantField>b:Publisher</b:ImportantField>  </source>  </importantfields>  <!-- ... -->  </xsl:variable> |

XML Fragment 3: Important fields for a book (SourceType = Book).

## Citation

The citation element consists of three common elements complemented with an extra source element for every type the style supports. The common elements openbracket, closebracket and separator define the bracket to display before the first citation in a group, the bracket to display after the last citation in a group, and the separator to display between citations in the same group respectively.

Furthermore, there are three elements, noauthor, notitle and noyear, which indicate which variables should be ignored when the author, title or year of a citation are suppressed by request. The value of the three elements consists of fields separated by dashes (-).

Each source element contains a type attribute and a format child element. The latter contains a format string as defined in 4.4. In ‘complete’ styles, there should be at least an entry for every type of the set of 17 predefined types. Extra types can also be added (see 2).

XML Fragment 4 shows an example of how to format a citation. It shows that citations are displayed between square brackets, and that if multiple citations are combined they will be separated by a dash with a space before and after it. Furthermore, it defines how books and journal articles have to be formatted. For the interpretation of the format elements, see 4.4.

|  |
| --- |
| <xsl:variable name="data">  <!-- ... -->  <citation>  <openbracket>[</openbracket>  <closebracket>]</closebracket>  <separator> - </separator>  <noauthor>-Author-BookAuthor-Editor-Inventor-</noauthor>  <notitle>-Title-ShortTitle-</notitle>  <noyear>-Year-"n.d."-</noyear>  <source type="Book">  <format>{%Author:1|Editor:1|Title%}{, %Year%}</format>  </source>  <!-- ... -->  <source type="JournalArticle">  <format>{%Author:1|Title%}{, %Year%}{, %Pages:p. :pp. %}</format>  </source>  </citation>  <!-- ... -->  </xsl:variable> |

XML Fragment 4: Example of citation formatting for books and journal articles.

## Footnote citations

Footnote citations were introduced in the bibliography tool chain with Word 2008. Word 2007 does not make any difference between in-text and footnote citations.

The footnotecitation element has exactly the same format as the citation element from 3.4.

## Bibliography

The bibliography element consists of one common element complemented with an extra source element for every type the style supports. The common columns element indicates the number of columns in the bibliography. If this number equals 1, the bibliography will consist out of paragraphs; otherwise it will consist out of a table with several columns. The latter can be useful if you want to put the tag or reference order of the element separately from the rest of the entry. Each source element is uniquely identified by a type attribute and contains a column element with an id attribute for every column it wants to display. Each column element contains alignment information as well as a format element indicating how the source data in that column should be formatted. For more information on the format element, see 4.4. Furthermore, the source element also contains a sortkey element which specifies how sources will be ordered in a bibliography. This element is also formatted like a format element. Leaving the element empty, the reference order will be used to sort the elements.

**Remark: If you want to sort the bibliography by means of the reference order, you should leave the sortkey element blank rather than adding ‘%RefOrder%’ to it.**

XML Fragment 5 gives an example of a bibliography element with 2 columns. In the first column, which is aligned to the top and the right, the tag of the source is displayed between square brackets. In the second column, which is aligned to the top and the left, the actual source data is displayed. The sortkey ensures that the different entries in the bibliography are ordered by main contributor (be it author or editor), then by title and finally by year.

|  |
| --- |
| <xsl:variable name="data">  <!-- ... -->  <bibliography>  <columns>2</columns>  <source type="Book">  <column id="1">  <halign>right</halign>  <valign>top</valign>  <format>[%Tag%]</format>  </column>  <column id="2">  <halign>left</halign>  <valign>top</valign>  <format>  {%Author:2|Editor:3%{, &lt;b&gt;%Title%&lt;/b&gt;}{ edited  by %Editor:3%}{, %Year%}.}  </format>  </column>  <sortkey>{%Author:0|Editor:0%}{%Title%}{%Year%}</sortkey>  </source>  <!-- ... -->  <source type="BookSection">  <column id="1">  <halign>right</halign>  <valign>top</valign>  <format>[%Tag%]</format>  </column>  <column id="2">  <halign>left</halign>  <valign>top</valign>  <format>  {%Author:2|Editor:3%{, &lt;b&gt;%Title%&lt;/b&gt;}{ in  &lt;i&gt;%BookTitle%&lt;/i&gt;}{ by %Editor:3%}{, %Year%}  {, %Pages:p. :pp. %}.}  </format>  </column>  <sortkey>{%Author:0|Editor:0%}{%Title|BookTitle%}{%Year%}</sortkey>  </source>  </bibliography>  <!-- ... -->  </xsl:variable> |

XML Fragment 5: Example of the bibliography element.

## Name lists

The namelist element contains one or more list elements each describing how a set of contributors, be it a corporation or one or more persons, should be formatted. Each list element is uniquely defined by an id attribute and contains 13 child nodes.

Child nodes

|  |  |  |
| --- | --- | --- |
| **corporate** | | |
|  | Description | |
|  |  | Format string to use if the contributor is a corporation. For more information regarding the formatting options, see 4.3. |

|  |  |  |
| --- | --- | --- |
| **first\_person** | | |
|  | Description | |
|  |  | Format string to use for formatting the first person in the list of contributing persons. For more information see 4.2. |

|  |  |  |
| --- | --- | --- |
| **max\_number\_of\_persons\_to\_display** | | |
|  | Description | |
|  |  | Indicates the maximum number of persons which might be displayed. |

|  |  |  |
| --- | --- | --- |
| **multi\_prefix** | | |
|  | Description | |
|  |  | Prefix to display if there is more than one person contributing. |

|  |  |  |
| --- | --- | --- |
| **multi\_suffix** | | |
|  | Description | |
|  |  | Prefix to display if there is more than one person contributing. |

|  |  |  |
| --- | --- | --- |
| **max\_number\_of\_persons\_to\_display** | | |
|  | Description | |
|  |  | Indicates the maximum number of contributors to display for a source. Only relevant if there are more persons in the list of contributors than this maximum number. |

|  |  |  |
| --- | --- | --- |
| **number\_of\_persons\_to\_display\_if\_more\_than\_max** | | |
|  | Description | |
|  |  | Indicates the number of persons to display if there are more persons in the list of contributors than the maximum number of persons which might be displayed. Hence, this number should be less or equal to the value of max\_number\_of\_persons\_to\_display. |

|  |  |  |
| --- | --- | --- |
| **overflow** | | |
|  | Description | |
|  |  | String to display after displaying the last person in case there are more persons in the contributor list than can be displayed. This is often something like ‘, et al.’. |

As an example, if the max\_number\_of\_persons\_to\_display field is set to 8, then for sources with 8 or less contributors, all 8 contributors will be displayed, but for sources with more than 8 contributors, the first x number of contributors will be displayed (x being the value specified in the number\_of\_persons\_to\_display\_if\_more\_than\_max field), followed by whatever is specified in the the overflow field.

|  |  |  |
| --- | --- | --- |
| **other\_persons** | | |
|  | Description | |
|  |  | Format string to use for formatting all persons except the first person in the list of contributing persons. For more information see 4.2. |

|  |  |  |
| --- | --- | --- |
| **seperator\_before\_last** | | |
|  | Description | |
|  |  | Separator to display between the last two persons in the contributors list if there are more than two persons in the list. |

|  |  |  |
| --- | --- | --- |
| **seperator\_between\_if\_more\_than\_two** | | |
|  | Description | |
|  |  | Separator to display between persons if the list of contributors consists out of more than two persons. This separator will not be displayed before the last contributor in the list. |

|  |  |  |
| --- | --- | --- |
| **seperator\_between\_if\_two** | | |
|  | Description | |
|  |  | Separator to display between persons if the list of contributors consists out of two persons. |

|  |  |  |
| --- | --- | --- |
| **single\_prefix** | | |
|  | Description | |
|  |  | Prefix to display if the contributor is either a corporation or a single person. |

|  |  |  |
| --- | --- | --- |
| **single\_suffix** | | |
|  | Description | |
|  |  | Suffix to display if the contributor is either a corporation or a single person. |

Examples

|  |
| --- |
| <xsl:variable name="data">  <!-- ... -->  <namelists>  <!-- ... -->  <list id="1">  <single\_prefix></single\_prefix>  <multi\_prefix></multi\_prefix>  <corporate>{%Corporate:u%}</corporate>  <first\_person>  {&lt;b&gt;%Last:u|First:u%&lt;/b&gt;{, %First:d%}{ %Middle:d%}}  </first\_person>  <other\_persons>  {%Last|First%{, %First:d%}{ %Middle:d%}}  </other\_persons>  <separator\_between\_if\_two> and </separator\_between\_if\_two>  <separator\_between\_if\_more\_than\_two>  ,  </separator\_between\_if\_more\_than\_two>  <separator\_before\_last>, and </separator\_before\_last>  <max\_number\_of\_persons\_to\_display>2</max\_number\_of\_persons\_to\_display>  <number\_of\_persons\_to\_display\_if\_more\_than\_max>  1  </number\_of\_persons\_to\_display\_if\_more\_than\_max>  <overflow> et al.</overflow>  <single\_suffix>, Ed.</single\_suffix>  <multi\_suffix>, Eds.</multi\_suffix>  </list>  <!-- ... -->  </namelists>  <!-- ... -->  </xsl:variable> |

XML Fragment 6: Example of the namelists element.

## Strings

# The strings element contains child elements with specific style dependant strings. Currently, only the months and sourcetypes child element are supported.

The months element consists of 12 month elements. Each month element is defined by a number attribute. The value of the element indicates by which text a month number should be replaced. If for a specific month no value is available, then the value of the input will be displayed.

The elements are used by the Month and MonthAccessed variables of a source.

The sourcetypes element consist of sourcetype elements. Each sourcetype element is defined by a type attribute. The value of the element indicates by which text a source type should be replaced. If for a specific type of sources no value is available, then the value of the input will be displayed.

The elements are used by the SourceType variable of a source.

Examples

|  |
| --- |
| <xsl:variable name="data">  <!-- ... -->  <months>  <month number="1">Jan.</month>  <month number="2">Feb.</month>  <!-- ... -->  <month number="11">Nov.</month>  <month number="12">Dec.</month>  </months>  <!-- ... -->  </xsl:variable> |

XML Fragment 7: Example of the months element.

## Overrides

The overrides element is used to override hardcoded settings in BibWord. Currently, only the titles element is provided with two children:

* delimeter: indicates the delimeter between titles and subtitles and which has a default value of “:”.
* articles: a dash separated list of articles which should be put at the end of titles when they are used for sorting. The default value (for English) is “-A-AN-THE-“.

Examples

|  |
| --- |
| <xsl:variable name="data">  <!-- ... -->  <overrides>  <titles>  <delimeter>:</delimeter>  <articles>-A-THE-AN-</articles>  </titles>  </overrides>  <!-- ... -->  </xsl:variable> |

* XML Fragment 8: Example of the override element.

# Format Strings

## Format strings in general

The format strings for person, corporate, citation, and bibliography are all built up in the same way. They consist of ordinary text, conditional parts and parameter sections.

Parameter sections start and end with a percentage symbol (%). In between, one or more parameters can be put. As separators between the parameters, the ‘|’ symbol is used. The parameters are checked from left to right and the first, not yet used parameter with a non-empty value is used. Each of the parameter consists of a name and optionally a set of options which follow after a colon (:) at the end of the name.

Conditional parts are enclosed in braces ({}). They are only displayed if all parameter sections between the brackets have a valid value.

Furthermore, format strings can contain HTML markup such as bold, underline and italic. The limitations in the markup are mainly caused by the limitations of Word 2007 when it comes to handling HTML.

Using double quotes (“”), it is also possible to add literal strings rather than parameters to a parameter section. They can be useful as a last resort when none of the parameters is available. For example, the string “Anon.” could be displayed if the author of a work is unknown.

Examples

To explain the above paragraphs a bit more, consider the following examples:

|  |  |
| --- | --- |
| *%param1%* | A parameter section containing one parameter with the name ‘param1’ and no options. If the value represented by the parameter is empty, %empty% will be displayed. |
| *%param1:xyz%* | A parameter section containing one parameter with the name ‘param1’ and ‘xyz’ as options. If the value represented by the parameter is empty, %empty% will be displayed. |
| *%param1|param2:xyz%* | A parameter section containing two parameters. If the parameter with the name ‘param1’ is not empty, then this parameter will be used. Otherwise, if the parameter with name ‘param2’ is not empty, that parameter will be used together with ‘xyz’ as options. If there is no value for either of the parameters, %empty% is displayed. |
| *%param1|”text”%* | A parameter section containing one parameter and one string. If the parameter is not available, the string will be displayed. |
| *{Hello %param1%.}* | If the parameter with the name ‘param1’ exists, the entire string will be displayed. If there is no value for the parameter, nothing will be displayed. |
| *<b>%param1%</b>* | This will display the value for the parameter with name ‘param1’ in bold if it exists. |

## Format strings for first\_person and other\_persons elements

Parameters

There are three possible parameters defined which can be used to format a b:Person element. Each of these parameters comes with the same set of options:

|  |  |  |  |
| --- | --- | --- | --- |
| **First** | | | |
|  | Description | | |
|  |  | A person’s first name. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | a | display abbreviated |
|  |  | d | keep dashes between abbreviated parts (only useful in combination with a) |
|  |  | p | display periods at the end of each abbreviated part (only useful in combination with a) |
|  |  | s | keep spaces between the abbreviated parts (only useful in combination with a) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Last** | | | |
|  | Description | | |
|  |  | A person’s last name. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | a | display abbreviated |
|  |  | d | keep dashes between abbreviated parts (only useful in combination with a) |
|  |  | p | display periods at the end of each abbreviated part (only useful in combination with a) |
|  |  | s | keep spaces between the abbreviated parts (only useful in combination with a) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Middle** | | | |
|  | Description | | |
|  |  | A person’s middle name. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | a | display abbreviated |
|  |  | d | keep dashes between abbreviated parts (only useful in combination with a) |
|  |  | p | display periods at the end of each abbreviated part (only useful in combination with a) |
|  |  | s | keep spaces between the abbreviated parts (only useful in combination with a) |

Examples

An example of a formatting string for a person is the following:

*{<b>%Last:u|First:u%</b>{, %First:uap%{ %Middle:uap%}}}*

If the last name is available, it is displayed in bold and in upper case (the u option) followed by a, with period abbreviated (the p option), version of the first and middle name of the person. If the last name is not available, then only the first name will be shown in bold and in upper case.

|  |  |  |
| --- | --- | --- |
| *1.* | *Last: Doe*  *First: John*  *Middle: Dirk* | **DOE**, J. D. |
| *2.* | *Last: -*  *First: John*  *Middle: Dirk* | **JOHN** |

## Format strings for corporate elements

Parameters

In case the contributor to a document is a corporation rather than one or more persons, a format string containing the Corporate parameter is used.

|  |  |  |  |
| --- | --- | --- | --- |
| **Corporate** | | | |
|  | Description | | |
|  |  | The name of a corporation. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | a | display abbreviated |
|  |  | d | keep dashes between abbreviated parts (only useful in combination with a) |
|  |  | p | display periods at the end of each abbreviated part (only useful in combination with a) |
|  |  | s | keep spaces between the abbreviated parts (only useful in combination with a) |

Examples

The following format example shows the name of a corporation in lower case italic characters:

{<i>%Corporate:l%</i>}

## Format strings for format elements

Parameters

In the format strings for format elements, up to 65 different variables can be used. Those variables have the same name as the names of the child elements of a b:Source element. Most variables support the option to format the content of the variable in upper or lower case. A few offer extra options.

All elements also support an ‘r’ option. This option allows them to be displayed multiple times in the reference.

|  |  |  |  |
| --- | --- | --- | --- |
| **AbbreviatedCaseNumber** | | | |
|  | Description | | |
|  |  | Specifies the abbreviated form of a case number. Typically, this parameter is used in the Case source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **AlbumTitle** | | | |
|  | Description | | |
|  |  | Specifies the title of an album. Typically, this parameter is used in the Sound recording source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | a | displays the title with any leading article moved to the end |
|  |  | m | displays the main title (can be combined with ‘a’) |
|  |  | s | displays the subtitle (can be combined with ‘a’) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Artist** | | | |
|  | Description | | |
|  |  | Specifies the artist of the source. Typically, this parameter is used in the Art and Sound Recording source types. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **Author** | | | |
|  | Description | | |
|  |  | Specifies the author of the source. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **BookAuthor** | | | |
|  | Description | | |
|  |  | Specifies the author of a book, when the primary author has authored the book section. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **BookTitle** | | | |
|  | Description | | |
|  |  | Specifies the title of a book, when the source is a book section. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | a | displays the title with any leading article moved to the end |
|  |  | m | displays the main title (can be combined with ‘a’) |
|  |  | s | displays the subtitle (can be combined with ‘a’) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Broadcaster** | | | |
|  | Description | | |
|  |  | Specifies the broadcaster of a source. Typically, this parameter is used in the Interview source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **BroadcastTitle** | | | |
|  | Description | | |
|  |  | Specifies the broadcast title of a source. Typically, this parameter is used in the Interview source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | a | displays the title with any leading article moved to the end |
|  |  | m | displays the main title (can be combined with ‘a’) |
|  |  | s | displays the subtitle (can be combined with ‘a’) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **CaseNumber** | | | |
|  | Description | | |
|  |  | Specifies the case number of a source. Typically, this parameter is used in the Case source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **ChapterNumber** | | | |
|  | Description | | |
|  |  | Specifies the number or index of the chapter being referenced. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **CitationPages** | | | |
|  | Description | | |
|  |  | Specifies the pages specific for an in-text citation. This variable is used to process the \p switch of the CITATION filed. | |
|  | Options | | |
|  |  | - | display using the prefixes ‘p. ’ and ‘pp. ’ |
|  |  | x:y:z | if CitationPages contains a single page, display x as prefix to CitationPages, otherwise display y. The z parameter contains extra options you can add. |
|  |  | a | if used as part of the z parameter, indicates that page ranges should be abbreviated (e.g. 135-137 becomes 135-7)  if followed by a number, the number tells how many digits the last part should have at least (e.g. a2 and 135-137 becomes 135-37) |
|  |  | e | if used as part of the z parameter, indicates that abbreviated page ranges should be extended (e.g. 135-7 becomes 135-137) |
|  |  | f | if used as part of the z parameter, indicates that only the first page of a range of pages should be displayed (e.g. 135-137 becomes 135) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **CitationPrefix** | | | |
|  | Description | | |
|  |  | Specifies the prefix specific for an in-text citation. This variable is used to process the \f switch of the CITATION field. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **CitationSuffix** | | | |
|  | Description | | |
|  |  | Specifies the suffix specific for an in-text citation. This variable is used to process the \s switch of the CITATION field. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **CitationVolume** | | | |
|  | Description | | |
|  |  | Specifies the volume specific for an in-text citation. This variable is used to process the \v switch of the CITATION filed. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | R | display as a roman numeral |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **City** | | | |
|  | Description | | |
|  |  | Specifies the city in which the source was published, printed, or manufactured. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Comments** | | | |
|  | Description | | |
|  |  | Specifies any additional comments about the source. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Compiler** | | | |
|  | Description | | |
|  |  | Specifies the person who compiled the information in a source. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **Composer** | | | |
|  | Description | | |
|  |  | Specifies the composer of a sound recording. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **Conductor** | | | |
|  | Description | | |
|  |  | Specifies the conductor of a source. Typically, this parameter is used in the sound recording source type. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **ConferenceName** | | | |
|  | Description | | |
|  |  | Specifies the title of the proceedings from a conference. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Counsel** | | | |
|  | Description | | |
|  |  | Specifies the counsel, attorney, or attorneys in a case. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **CountryRegion** | | | |
|  | Description | | |
|  |  | Specifies the country or region of a source. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Court** | | | |
|  | Description | | |
|  |  | Specifies the court in which the case was presented. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

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| --- | --- | --- | --- |
| **Day** | | | |
|  | Description | | |
|  |  | Specifies the day on which a source was created or published. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |
|  |  | n | always use two digits to represent the day |
|  |  | i | inverts the value by subtracting the value from 9999 (useful for sorting) |
|  |  | o | display the day as an ordinal (if you add an extra s, the ordinal suffix will be displayed in superscript) |

|  |  |  |  |
| --- | --- | --- | --- |
| **DayAccessed** | | | |
|  | Description | | |
|  |  | Specifies the day of the month a source was accessed. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |
|  |  | n | always use two digits to represent the day |
|  |  | i | inverts the value by subtracting the value from 9999 (useful for sorting) |
|  |  | o | display the day as an ordinal (if you add an extra s, the ordinal suffix will be displayed in superscript) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Department** | | | |
|  | Description | | |
|  |  | Specifies the department in which a source originated, or to which a source was submitted. Typically, this parameter is used in the Report source type, which includes theses and dissertations. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Director** | | | |
|  | Description | | |
|  |  | Specifies the director of a source. Typically, this parameter is used in the Film source type. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **Distributor** | | | |
|  | Description | | |
|  |  | Specifies the distributor of a source. Typically, this parameter is used in the Performance and Film source types. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Edition** | | | |
|  | Description | | |
|  |  | Specifies the edition of a source. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | o | format as an ordinal in English (if you add an extra s, the ordinal suffix will be displayed in superscript) |
|  |  | R | display as a roman numeral |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Editor** | | | |
|  | Description | | |
|  |  | Specifies the editor of a source. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **Institution** | | | |
|  | Description | | |
|  |  | Specifies the institution of the source. Typically, this parameter is used in the Report source type, where it signifies the university or institute, and in the Art source type, where it signifies the museum or institution where the art is housed. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

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| --- | --- | --- | --- |
| **InternetSiteTitle** | | | |
|  | Description | | |
|  |  | Specifies the title of an internet site. Typically, this parameter is used in the Internet Site and Document from Internet Site source types. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | a | displays the title with any leading article moved to the end |
|  |  | m | displays the main title (can be combined with ‘a’) |
|  |  | s | displays the subtitle (can be combined with ‘a’) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Interviewee** | | | |
|  | Description | | |
|  |  | Specifies the person being interviewed. Typically, this parameter is used in the Interview source type. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **Interviewer** | | | |
|  | Description | | |
|  |  | Specifies the person conducting an interview. Typically, this parameter is used in the Interview source type. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **Inventor** | | | |
|  | Description | | |
|  |  | Specifies the inventor of a source. Typically, this parameter is used in the Patent source type. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **Issue** | | | |
|  | Description | | |
|  |  | Specifies the issue of a source. Typically, this parameter is used in the Journal Article and Article in Periodical source types. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **JournalName** | | | |
|  | Description | | |
|  |  | Specifies the name of the journal. Typically, this parameter is used in the Journal Article source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Medium** | | | |
|  | Description | | |
|  |  | Specifies the medium on or in which a source was created. Typically, this parameter is used in the Electronic source, sound recording, and film source types. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Month** | | | |
|  | Description | | |
|  |  | Specifies the month in which a source was created or published. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | s | display months represented by numbers with a predefined string |
|  |  | i | inverts the value by subtracting the value from 13 (useful for sorting) |
|  |  | n | always use two digits to represent the day |
|  |  | R | display months represented by numbers as a roman numeral (e.g.: XI) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **MonthAccessed** | | | |
|  | Description | | |
|  |  | Specifies the month during which the source was accessed. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | s | display months represented by numbers with a predefined string |
|  |  | i | inverts the value by subtracting the value from 13 (useful for sorting) |
|  |  | n | always use two digits to represent the day |
|  |  | R | display months represented by numbers as a roman numeral (e.g.: XI) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **NumberVolumes** | | | |
|  | Description | | |
|  |  | Specifies the number of volumes a source contains. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Pages** | | | |
|  | Description | | |
|  |  | Specifies the page range being cited in a source. | |
|  | Options | | |
|  |  | - | display using the prefixes ‘p. ’ and ‘pp. ’ |
|  |  | x:y:z | if Pages contains a single page, display x as prefix to Pages, otherwise display y. The z parameter contains extra options you can add. |
|  |  | a | if used as part of the z parameter, indicates that page ranges should be abbreviated (e.g. 135-137 becomes 135-7)  if followed by a number, the number tells how many digits the last part should have at least (e.g. a2 and 135-137 becomes 135-37) |
|  |  | e | if used as part of the z parameter, indicates that abbreviated page ranges should be extended (e.g. 135-7 becomes 135-137) |
|  |  | f | if used as part of the z parameter, indicates that only the first page of a range of pages should be displayed (e.g. 135-137 becomes 135) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **PatentNumber** | | | |
|  | Description | | |
|  |  | Specifies the patent number of a source. Typically, this parameter is used in the Patent source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Performer** | | | |
|  | Description | | |
|  |  | Specifies the performer. Typically, this parameter is used in the sound recording, performance, and film source types. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **PeriodicalTitle** | | | |
|  | Description | | |
|  |  | Specifies the title of a periodical. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | a | displays the title with any leading article moved to the end |
|  |  | m | displays the main title (can be combined with ‘a’) |
|  |  | s | displays the subtitle (can be combined with ‘a’) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **ProducerName** | | | |
|  | Description | | |
|  |  | Specifies the person who produced a source. Typically, this parameter is used in the Internet site, Doc from internet site, Electronic source, Sound recording, Performance, and Film source types. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **ProductionCompany** | | | |
|  | Description | | |
|  |  | Specifies the company that produced a source. Typically, this parameter is used in the Internet site, Document from internet site, Electronic source, Sound recording, Performance, and Film source types. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **PublicationTitle** | | | |
|  | Description | | |
|  |  | Specifies the title of the parameter that contains the source. Typically, this parameter is used in the Electronic Source source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | a | displays the title with any leading article moved to the end |
|  |  | m | displays the main title (can be combined with ‘a’) |
|  |  | s | displays the subtitle (can be combined with ‘a’) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Publisher** | | | |
|  | Description | | |
|  |  | Specifies the publisher of a source. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **RecordingNumber** | | | |
|  | Description | | |
|  |  | Specifies the recording number of a source. Typically, this parameter is used in the sound recording source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **RefOrder** | | | |
|  | Description | | |
|  |  | Specifies the reference order of a source. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Reporter** | | | |
|  | Description | | |
|  |  | Specifies the reporter of a source. Typically, this parameter is used in the Case source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **ShortTitle** | | | |
|  | Description | | |
|  |  | Specifies the short title of a source. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | a | displays the title with any leading article moved to the end |
|  |  | m | displays the main title (can be combined with ‘a’) |
|  |  | s | displays the subtitle (can be combined with ‘a’) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **SourceType** | | | |
|  | Description | | |
|  |  | Specifies the type of a source. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | s | display types using a predefined string |
|  |  | r | allows multiple use of the parameter |
| **StandardNumber** | | | |
|  | Description | | |
|  |  | Specifies the standard number, such as ISBN or ISSN, of a source. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **StateProvince** | | | |
|  | Description | | |
|  |  | Specifies the state or province in which a source was created or published. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Station** | | | |
|  | Description | | |
|  |  | Specifies the station on which an interview was broadcasted. Typically, this parameter is used in the Interview source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Tag** | | | |
|  | Description | | |
|  |  | Specifies the tag name of a source. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Theater** | | | |
|  | Description | | |
|  |  | Specifies the theater in which a source was performed or viewed. Typically, this parameter is used in the Performer source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **ThesisType** | | | |
|  | Description | | |
|  |  | Specifies the type of report being cited, such as Thesis, Dissertation, or Book Report. Typically, this parameter is used in the Report source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Title** | | | |
|  | Description | | |
|  |  | Specifies the title of a source. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | a | displays the title with any leading article moved to the end |
|  |  | m | displays the main title (can be combined with ‘a’) |
|  |  | s | displays the subtitle (can be combined with ‘a’) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Translator** | | | |
|  | Description | | |
|  |  | Specifies the translator of a source. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **Type** | | | |
|  | Description | | |
|  |  | Specifies the type of patent. Typically, this parameter is used in the Patent source type. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **URL** | | | |
|  | Description | | |
|  |  | Specifies the URL of the source. Typically, this parameter is used in the Internet Site and Document from Internet Site source types. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | l | display as hyperlink |
|  |  | s | allows the URL to be split over multiple lines for nicer formatting (splitting is done after a ‘/’) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | | | |
|  | Description | | |
|  |  | Specifies the version of the source. Typically, this parameter is used in the Internet Site and Document from Internet Site source types. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Volume** | | | |
|  | Description | | |
|  |  | Specifies the volume of the source. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | u | display using uppercase characters only |
|  |  | l | display using lowercase characters only |
|  |  | R | display as a roman numeral |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **Writer** | | | |
|  | Description | | |
|  |  | Specifies the writer of the source. Typically, this parameter is used in the Performance and Film source types. | |
|  | Options | | |
|  |  | - | display according to the list with id equal to 0 (see 3.6) |
|  |  | id | display according to the list with the given id (see 3.6) |
|  |  | r | allows multiple use of the parameter |
|  |  | c | display the number of contributors |

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | | | |
|  | Description | | |
|  |  | Specifies the year in which a source was created or published. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | s | display only the last two digits of the year |
|  |  | i | inverts the value by subtracting the value from 9999 (useful for sorting) |
|  |  | r | allows multiple use of the parameter |

|  |  |  |  |
| --- | --- | --- | --- |
| **YearAccessed** | | | |
|  | Description | | |
|  |  | Specifies the year during which the source was accessed. | |
|  | Options | | |
|  |  | - | display as stored |
|  |  | s | display only the last two digits of the year |
|  |  | i | inverts the value by subtracting the value from 9999 (useful for sorting) |
|  |  | r | allows multiple use of the parameter |

Examples

The following is an example of how part of an edited book could be formatted:

{%Author:1|Editor:2|Translator:1%}{, <i>%Title|ShortTitle%</i>}{, %Editor:2%.}{ %City:u%}{: %Publisher%.}{ %Pages:p. :pp. %}

So the first group of parameters tries to put the main contributors up front. Then the title is displayed in italics. If the title is not available, the ShortTitle is displayed. Next the editor is displayed, that is, if the editor is not the main contributor. Then the city is displayed in upper case characters followed by the publisher. Finally, the pages cited from the book are displayed. If there is only one page cited, ‘p. ‘ is used as a prefix, otherwise, ‘pp. ‘ is used.

## Punctuation clean up

After formatting, BibWord cleans up the formatted string by removing certain occurrences of punctuation. Table 1 shows which punctuation is cleaned up and what the result is.

|  |  |
| --- | --- |
| Before clean up | After clean up |
| space period ( .) | period (.) |
| comma period (,.) | period (.) |
| semicolon period (;.) | period (.) |
| colon period (:.) | period (.) |
| double space ( ) | space ( ) |
| double commas (,,) | comma (,) |
| double semicolons (;;) | semicolon (;) |
| double colons (::) | colon (:) |
| double periods (..) | period (.) |
| double question mark (??) | question mark (?) |
| double exclamation point (!!) | exclamation point (!) |
| question mark, period (?.) | question mark (?) |
| question mark, exclamation point (?!) | question mark (?) |
| exclamation point, period (!.) | exclamation point (!) |
| exclamation point, question mark (!?) | exclamation point (!) |

Table 1: BibWord clean up replacements

# BibWord extensions

The Microsoft Word 2007/2008 citation and bibliography tools are a great starting point for creating professionally looking in-text citations and bibliographies. However, there is still some functionality missing.

The BibWord extensions try to add part of that missing functionality. Currently, BibWord runs as an external application. In time, this application will hopefully be ported to a Word add-in.

## BibOrder

The Microsoft Word 2007 citation and bibliography tool handles the formatting of each in-text citation separately, even if that in-text citation is part of a group. Furthermore, the formatting of the bibliography is completely separated from the formatting of in-text citations.

There are a number of numerical styles which require the entries in the bibliography to be sorted in a certain way and the in-text citations to point to the position of the entry in the sorted bibliography. Creating a stylesheet for such a style is currently not possible given the above limitations.

The BibWord extensions introduce an extra b:BibOrder element to every b:Source element in a Word document (docx file). The extra element contains the position of the source in the bibliography if a certain style is used.

To obtain the correct values for the b:BibOrder element, the program should be executed once all sources are added to the document and a preferred style is chosen. The extra b:BibOrder element introduced in each b:Source element can then be addressed by the variable BibOrder in any format element in the stylesheet (see 4.4).

## YearSuffix

Many author-date reference styles require the use of an extra suffix after the year if the same authors have written multiple sources in the same year. Again, due to the separate handling of each in-text citation, Word is not capable of introducing such suffix.

The BibWord extensions introduce an extra b:YearSuffix element to every b:Source element in a Word document (docx file). The extra element contains the suffix to be added to the year. If no suffix needs to be added, then the element will be empty.

As BibWord needs to know when to add a suffix, and when not, a style developer has to provide a requirement for each type of source. This is done by adding an extensions/source/yearsuffix formatting element to the data variable as shown in XML Fragment 8.

|  |
| --- |
| <xsl:variable name="data">  <!-- ... -->  <extensions>  <!-- ... -->  <source type="ArticleInAPeriodical">  <yearsuffix>{%Author:0%}{ %Year%}</yearsuffix>  </source>  <source type="Book">  <yearsuffix>{%Author:0%}{ %Year%}</yearsuffix>  </source>  <!-- ... -->  </extensions>  <!-- ... -->  </xsl:variable> |

XML Fragment 9: Example of the YearSuffix requirement definition.

1. The latest version of the BibType tool can be found at <http://www.codeplex.com/bibliography>. [↑](#footnote-ref-1)