



Open Document Format for Office Applications (OpenDocument) Version 1.2

Committee Specification Draft 07 / Public Review Draft 03

19 January 2011

Specification URIs:

This Version:

<http://docs.oasis-open.org/office/v1.2/csprd03/OpenDocument-v1.2-csprd03.odt>
(Authoritative)
<http://docs.oasis-open.org/office/v1.2/csprd03/OpenDocument-v1.2-csprd03.pdf>
<http://docs.oasis-open.org/office/v1.2/csprd03/OpenDocument-v1.2-csprd03.html>

Previous Version:

<http://docs.oasis-open.org/office/v1.2/csd06/OpenDocument-v1.2-csd06.odt>
(Authoritative)
<http://docs.oasis-open.org/office/v1.2/csd06/OpenDocument-v1.2-csd06.pdf>
<http://docs.oasis-open.org/office/v1.2/csd06/OpenDocument-v1.2-csd06.html>

Latest Version:

<http://docs.oasis-open.org/office/v1.2/OpenDocument-v1.2.odt> (Authoritative)
<http://docs.oasis-open.org/office/v1.2/OpenDocument-v1.2.pdf>
<http://docs.oasis-open.org/office/v1.2/OpenDocument-v1.2.html>

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Related Work:

This specification supersedes OASIS [OpenDocument v1.1](#) [ODF11].

This specification consists of this document as well as the following documents, schemas and ontologies:

[OpenDocument v1.2 part 1: OpenDocument Schema](#)
[OpenDocument v1.2 part 2: Recalculated Formula \(OpenFormula\) Format](#)
[OpenDocument v1.2 part 3: Packages](#)
[OpenDocument v1.2 Relax NG Schema](#)
[OpenDocument v1.2 Manifest Schema](#)
[OpenDocument v1.2 Digital Signature Schema](#)
[OpenDocument v1.2 Metadata Manifest Ontology](#)
[OpenDocument v1.2 Package Metadata Manifest Ontology](#)

Declared XML Namespaces:

urn:oasis:names:tc:opendocument:xmlns:animation:1.0
urn:oasis:names:tc:opendocument:xmlns:chart:1.0
urn:oasis:names:tc:opendocument:xmlns:config:1.0
urn:oasis:names:tc:opendocument:xmlns:database:1.0
urn:oasis:names:tc:opendocument:xmlns:dr3d:1.0
urn:oasis:names:tc:opendocument:xmlns:drawing:1.0
urn:oasis:names:tc:opendocument:xmlns:form:1.0
urn:oasis:names:tc:opendocument:xmlns:manifest:1.0
urn:oasis:names:tc:opendocument:xmlns:meta:1.0
urn:oasis:names:tc:opendocument:xmlns:data style:1.0
urn:oasis:names:tc:opendocument:xmlns:office:1.0
urn:oasis:names:tc:opendocument:xmlns:presentation:1.0
urn:oasis:names:tc:opendocument:xmlns:script:1.0
urn:oasis:names:tc:opendocument:xmlns:table:1.0
urn:oasis:names:tc:opendocument:xmlns:text:1.0
urn:oasis:names:tc:opendocument:xmlns:style:1.0
urn:oasis:names:tc:opendocument:xmlns:xsl-fo-compatible:1.0
urn:oasis:names:tc:opendocument:xmlns:svg-compatible:1.0
urn:oasis:names:tc:opendocument:xmlns:smil-compatible:1.0
urn:oasis:names:tc:opendocument:xmlns:of:1.2
<http://docs.oasis-open.org/ns/office/1.2/meta/odf#>
urn:oasis:names:tc:opendocument:xmlns:manifest:1.0
urn:oasis:names:tc:opendocument:xmlns:digitalsignature:1.0
<http://docs.oasis-open.org/ns/office/1.2/meta/pkg#>

Abstract:

This specification consists of this document as well as the following three parts:

Part 1 defines an XML schema for office applications and its semantics. The schema is suitable for office documents, including text documents, spreadsheets, charts and graphical documents like drawings or presentations, but is not restricted to these kinds of documents.

Part 2 defines a formula language to be used in OpenDocument documents.

Part 3 defines a package format to be used for OpenDocument documents.

Status:

This document was last revised or approved by the OASIS Open Document Format for Office Applications (OpenDocument) Technical Committee on the above date. The level of approval is also listed above. Check the "Latest Version" location noted above for possible later revisions of this document.

Technical Committee members should send comments on this specification to the Technical Committee's email list. Others should send comments to the Technical Committee by using the "[Send A Comment](#)" button on the Technical Committee's web page at <http://www.oasis-open.org/committees/office/>.

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Citation Format:

When referencing this specification the following citation format should be used:

OpenDocument-v1.2 *Open Document Format for Office Applications (OpenDocument) Version 1.2*. January 2011. OASIS Committee Specification Public Review Draft. <http://docs.oasis-open.org/office/v1.2/csprd03/OpenDocument-v1.2-csprd03.odt>

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Table of Contents

1 Introduction.....	96
1.1 Scope.....	96
1.2 Terminology.....	96
1.3 Normative References.....	96
1.4 Non Normative References.....	97
2 Conformance.....	98
Appendix A. Changes From Previous Specification Versions (Non Normative).....	100
A.1. Changes from “Open Document Format for Office Applications (OpenDocument) v1.1”...	100
Appendix B. Acknowledgments (Non Normative).....	101

Table of Contents Part 1

1 Introduction.....	79
1.1 Introduction.....	79
1.2 Terminology.....	79
1.3 Normative References.....	79
1.4 Non Normative References.....	82
1.5 Namespaces.....	82
2 OpenDocument Documents, Consumers and Producers.....	85
2.1 Introduction.....	85
2.2 Documents.....	85
2.2.1 OpenDocument Document.....	85
2.2.2 OpenDocument Extended Document.....	86
2.2.3 OpenDocument Text Document.....	86
2.2.4 OpenDocument Spreadsheet Document.....	87
2.2.5 OpenDocument Drawing Document.....	87
2.2.6 OpenDocument Presentation Document.....	87
2.2.7 OpenDocument Chart Document.....	88
2.2.8 OpenDocument Image Document.....	88
2.2.9 OpenDocument Formula Document.....	88
2.2.10 OpenDocument Database Front End Document.....	88
2.3 Producers.....	89
2.3.1 OpenDocument Producer.....	89
2.3.2 OpenDocument Extended Producer.....	89

2.4 Consumer.....	89
3 Document Structure.....	90
3.1 Document Representation	90
3.1.1 General.....	90
3.1.2 <office:document>(Single OpenDocument XML Files).....	90
3.1.3 Package OpenDocument Files.....	90
3.1.3.1 General.....	90
3.1.3.2 <office:document-content>.....	90
3.1.3.3 <office:document-styles>.....	91
3.1.3.4 <office:document-meta>.....	91
3.1.3.5 <office:document-settings>.....	91
3.1.4 Summary of Document Representation.....	91
3.2 <office:meta>.....	92
3.3 <office:body>.....	92
3.4 <office:text>.....	93
3.5 <office:drawing>.....	93
3.6 <office:presentation>.....	93
3.7 <office:spreadsheet>.....	94
3.8 <office:chart>.....	94
3.9 <office:image>.....	94
3.10 <office:settings>.....	95
3.10.1 General.....	95
3.10.2 <config:config-item-set>.....	95
3.10.3 <config:config-item>.....	95
3.10.4 <config:config-item-map-indexed>.....	96
3.10.5 <config:config-item-map-entry>.....	96
3.10.6 <config:config-item-map-named>.....	96
3.11 Cursor Position Setting.....	96
3.12 <office:scripts>.....	97
3.13 <office:script>.....	97
3.14 <office:font-face-decls>.....	97
3.15 Styles.....	97
3.15.1 General.....	97
3.15.2 <office:styles>.....	98
3.15.3 <office:automatic-styles>.....	98
3.15.4 <office:master-styles>.....	98
3.16 Document Signatures.....	99

3.17 Foreign Elements and Attributes.....	99
3.18 White Space Processing and EOL Handling.....	100
3.19 MIME Types and File Name Extensions.....	100
4 Metadata.....	101
4.1 General.....	101
4.2 RDF Metadata.....	101
4.2.1 In Content Metadata (RDFa).....	101
4.2.2 manifest.rdf.....	101
4.2.2.1 General.....	101
4.2.2.2 odf:ContentFile.....	101
4.2.2.3 odf:StylesFile.....	102
4.2.2.4 odf:Element.....	102
4.2.2.5 odf:prefix.....	102
4.2.2.6 odf:suffix.....	102
4.3 Non-RDF Metadata.....	102
4.3.1 General.....	102
4.3.2 Pre-Defined Metadata Elements.....	103
4.3.2.1 <meta:generator>.....	103
4.3.2.2 <dc:title>.....	103
4.3.2.3 <dc:description>.....	103
4.3.2.4 <dc:subject>.....	104
4.3.2.5 <meta:keyword>.....	104
4.3.2.6 <meta:initial-creator>.....	104
4.3.2.7 <dc:creator>.....	104
4.3.2.8 <meta:printed-by>.....	104
4.3.2.9 <meta:creation-date>.....	105
4.3.2.10 <dc:date>.....	105
4.3.2.11 <meta:print-date>.....	105
4.3.2.12 <meta:template>.....	105
4.3.2.13 <meta:auto-reload>.....	106
4.3.2.14 <meta:hyperlink-behaviour>.....	106
4.3.2.15 <dc:language>.....	106
4.3.2.16 <meta:editing-cycles>.....	106
4.3.2.17 <meta:editing-duration>.....	107
4.3.2.18 <meta:document-statistic>.....	107
4.3.3 <meta:user-defined>.....	107
5 Text Content.....	108
5.1 Headings, Paragraphs and Basic Text Structure.....	108

5.1.1 General.....	108
5.1.2 <text:h>.....	108
5.1.3 <text:p>.....	109
5.2 <text:page-sequence>.....	111
5.2.1 General.....	111
5.2.2 <text:page>.....	111
5.3 Lists.....	111
5.3.1 <text:list>.....	111
5.3.2 Default List Style	112
5.3.3 <text:list-header>.....	112
5.3.4 <text:list-item>.....	112
5.3.5 List Item Style Rules.....	113
5.3.6 <text:numbered-paragraph>.....	113
5.3.7 Numbered Paragraph Style Rules.....	113
5.4 <text:section>.....	114
5.4.1 General.....	114
5.4.2 <text:section-source>.....	115
5.5 Change Tracking.....	115
5.5.1 <text:tracked-changes>.....	115
5.5.2 <text:changed-region>.....	115
5.5.3 <text:insertion>.....	116
5.5.4 <text:deletion>.....	116
5.5.5 <text:format-change>.....	117
5.5.6 <office:change-info>.....	117
5.5.7 Change Marks.....	117
5.5.7.1 General.....	117
5.5.7.2 <text:change-start>.....	118
5.5.7.3 <text:change-end>.....	118
5.5.7.4 <text:change>.....	118
5.6 <text:soft-page-break>.....	118
5.7 Document Declarations.....	119
6 Paragraph Elements Content.....	120
6.1 Basic Text Content.....	120
6.1.1 General.....	120
6.1.2 White Space Characters.....	120
6.1.3 <text:s>.....	121
6.1.4 <text:tab>.....	121

6.1.5 <text:line-break>.....	121
6.1.6 Soft Hyphens, Hyphens, and Non-breaking Spaces.....	121
6.1.7 <text:span>.....	122
6.1.8 <text:a>.....	123
6.1.9 <text:meta>.....	124
6.1.10 <text:number>.....	125
6.2 Bookmarks and References.....	126
6.2.1 Bookmarks.....	126
6.2.1.1 General.....	126
6.2.1.2 <text:bookmark>.....	126
6.2.1.3 <text:bookmark-start>.....	126
6.2.1.4 <text:bookmark-end>.....	126
6.2.2 References.....	127
6.2.2.1 General.....	127
6.2.2.2 <text:reference-mark>.....	127
6.2.2.3 <text:reference-mark-start>.....	127
6.2.2.4 <text:reference-mark-end>.....	128
6.3 Notes.....	128
6.3.1 General.....	128
6.3.2 <text:note>.....	128
6.3.3 <text:note-citation>.....	128
6.3.4 <text:note-body>.....	128
6.4 <text:ruby>.....	129
6.4.1 General.....	129
6.4.2 <text:ruby-base>.....	129
6.4.3 <text:ruby-text>.....	130
7 Text Fields.....	132
7.1 General.....	132
7.2 Common Characteristics of Field Elements.....	132
7.3 Document Fields.....	132
7.3.1 General.....	132
7.3.2 <text:date>.....	132
7.3.3 <text:time>.....	133
7.3.4 <text:page-number>.....	133
7.3.5 <text:page-continuation>.....	133
7.3.6 Subsequent Author Fields.....	134
7.3.6.1 General.....	134
7.3.6.2 <text:sender-firstname>.....	134

7.3.6.3 <text:sender-lastname>.....	134
7.3.6.4 <text:sender-initials>.....	134
7.3.6.5 <text:sender-title>.....	135
7.3.6.6 <text:sender-position>.....	135
7.3.6.7 <text:sender-email>.....	135
7.3.6.8 <text:sender-phone-private>.....	135
7.3.6.9 <text:sender-fax>.....	136
7.3.6.10 <text:sender-company>.....	136
7.3.6.11 <text:sender-phone-work>.....	136
7.3.6.12 <text:sender-street>.....	136
7.3.6.13 <text:sender-city>.....	137
7.3.6.14 <text:sender-postal-code>.....	137
7.3.6.15 <text:sender-country>.....	137
7.3.6.16 <text:sender-state-or-province>.....	137
7.3.7 Author Fields.....	138
7.3.7.1 <text:author-name>.....	138
7.3.7.2 <text:author-initials>.....	138
7.3.8 <text:chapter>.....	138
7.3.9 <text:file-name>.....	139
7.3.10 <text:template-name>.....	139
7.3.11 <text:sheet-name>.....	139
7.4 Variable Fields.....	139
7.4.1 General.....	139
7.4.2 <text:variable-decls>.....	140
7.4.3 <text:variable-decl>.....	140
7.4.4 <text:variable-set>.....	141
7.4.5 <text:variable-get>.....	141
7.4.6 <text:variable-input>.....	141
7.4.7 <text:user-field-decls>.....	142
7.4.8 <text:user-field-decl>.....	142
7.4.9 <text:user-field-get>.....	142
7.4.10 <text:user-field-input>.....	142
7.4.11 <text:sequence-decls>.....	143
7.4.12 <text:sequence-decl>.....	143
7.4.13 <text:sequence>.....	143
7.4.14 <text:expression>.....	144
7.4.15 <text:text-input>.....	144
7.5 Metadata Fields.....	144

7.5.1 General.....	144
7.5.2 <text:initial-creator>.....	144
7.5.3 <text:creation-date>.....	145
7.5.4 <text:creation-time>.....	145
7.5.5 <text:description>.....	145
7.5.6 <text:user-defined>.....	146
7.5.7 <text:print-time>.....	146
7.5.8 <text:print-date>.....	146
7.5.9 <text:printed-by>.....	146
7.5.10 <text:title>.....	147
7.5.11 <text:subject>.....	147
7.5.12 <text:keywords>.....	147
7.5.13 <text:editing-cycles>.....	148
7.5.14 <text:editing-duration>.....	148
7.5.15 <text:modification-time>.....	148
7.5.16 <text:modification-date>.....	148
7.5.17 <text:creator>.....	149
7.5.18 Document Statistics Fields.....	149
7.5.18.1 General.....	149
7.5.18.2 <text:page-count>.....	149
7.5.18.3 <text:paragraph-count>.....	149
7.5.18.4 <text:word-count>.....	150
7.5.18.5 <text:character-count>.....	150
7.5.18.6 <text:table-count>.....	150
7.5.18.7 <text:image-count>.....	151
7.5.18.8 <text:object-count>.....	151
7.5.19 <text:meta-field>.....	151
7.6 Database Fields.....	152
7.6.1 General.....	152
7.6.2 <form:connection-resource>.....	153
7.6.3 <text:database-display>.....	153
7.6.4 <text:database-next>.....	153
7.6.5 <text:database-row-select>.....	154
7.6.6 <text:database-row-number>.....	154
7.6.7 <text:database-name>.....	154
7.7 More Fields.....	155
7.7.1 Page Variable Fields.....	155
7.7.1.1 General.....	155

7.7.1.2 <text:page-variable-set>	155
7.7.1.3 <text:page-variable-get>	155
7.7.2 <text:placeholder>	155
7.7.3 <text:conditional-text>	156
7.7.4 <text:hidden-text>	156
7.7.5 <text:reference-ref>	156
7.7.6 <text:bookmark-ref>	157
7.7.7 <text:note-ref>	157
7.7.8 <text:sequence-ref>	157
7.7.9 <text:script>	158
7.7.10 <text:execute-macro>	158
7.7.11 <text:hidden-paragraph>	158
7.7.12 <text:dde-connection>	159
7.7.13 <text:measure>	159
7.7.14 <text:table-formula> (deprecated)	159
8 Text Indexes	161
8.1 Index Marks	161
8.1.1 General	161
8.1.2 <text:toc-mark-start>	161
8.1.3 <text:toc-mark-end>	161
8.1.4 <text:toc-mark>	162
8.1.5 <text:user-index-mark-start>	162
8.1.6 <text:user-index-mark-end>	162
8.1.7 <text:user-index-mark>	162
8.1.8 <text:alphabetical-index-mark-start>	163
8.1.9 <text:alphabetical-index-mark-end>	163
8.1.10 <text:alphabetical-index-mark>	163
8.1.11 <text:bibliography-mark>	163
8.2 Index Structure	164
8.2.1 General	164
8.2.2 <text:index-body>	164
8.2.3 <text:index-title>	165
8.3 <text:table-of-content>	165
8.3.1 General	165
8.3.2 <text:table-of-content-source>	166
8.3.3 <text:table-of-content-entry-template>	166
8.4 <text:illustration-index>	166

8.4.1 General.....	166
8.4.2 <text:illustration-index-source>.....	167
8.4.3 <text:illustration-index-entry-template>.....	167
8.5 <text:table-index>.....	167
8.5.1 General.....	167
8.5.2 <text:table-index-source>.....	168
8.5.3 <text:table-index-entry-template>.....	168
8.6 <text:object-index>.....	168
8.6.1 General.....	168
8.6.2 <text:object-index-source>.....	169
8.6.3 <text:object-index-entry-template>.....	169
8.7 <text:user-index>.....	169
8.7.1 General.....	169
8.7.2 <text:user-index-source>.....	170
8.7.3 <text:user-index-entry-template>.....	170
8.8 <text:alphabetical-index>.....	170
8.8.1 General.....	170
8.8.2 <text:alphabetical-index-source>.....	171
8.8.3 <text:alphabetical-index-auto-mark-file>.....	171
8.8.4 <text:alphabetical-index-entry-template>.....	171
8.9 <text:bibliography>.....	172
8.9.1 General.....	172
8.9.2 <text:bibliography-source>.....	172
8.9.3 <text:bibliography-entry-template>.....	172
8.10 <text:index-source-styles>.....	173
8.11 <text:index-source-style>.....	173
8.12 <text:index-title-template>.....	173
8.13 Index Template Entries.....	174
8.13.1 <text:index-entry-chapter>.....	174
8.13.2 <text:index-entry-text>.....	174
8.13.3 <text:index-entry-page-number>.....	174
8.13.4 <text:index-entry-span>.....	174
8.13.5 <text:index-entry-bibliography>.....	175
8.13.6 <text:index-entry-tab-stop>.....	175
8.13.7 <text:index-entry-link-start>.....	175
8.13.8 <text:index-entry-link-end>.....	176
9 Tables.....	177

9.1 Basic Tables.....	177
9.1.1 General.....	177
9.1.2 <table:table>.....	177
9.1.3 <table:table-row>.....	178
9.1.4 <table:table-cell>.....	178
9.1.5 <table:covered-table-cell>.....	178
9.1.6 <table:table-column>.....	179
9.1.7 <table:table-header-rows>.....	179
9.1.8 <table:table-rows>.....	180
9.1.9 <table:table-row-group>.....	180
9.1.10 <table:table-column-group>.....	180
9.1.11 <table:table-header-columns>.....	181
9.1.12 <table:table-columns>.....	181
9.1.13 <table:title>.....	181
9.1.14 <table:desc>.....	182
9.2 Advanced Tables.....	182
9.2.1 Referencing Table Cells.....	182
9.2.2 Absolute and relative cell addressing.....	183
9.2.3 Cell Range Address.....	183
9.2.4 Column and Row Range Addresses.....	183
9.2.5 Cell Range Address List.....	183
9.2.6 <table:table-source>.....	183
9.2.7 <table:scenario>.....	184
9.2.8 <table:shapes>.....	184
9.3 Advanced Table Cells.....	185
9.3.1 <table:cell-range-source>.....	185
9.3.2 <table:detective>.....	185
9.3.3 <table:operation>.....	185
9.3.4 <table:highlighted-range>.....	185
9.4 Spreadsheet Document Content.....	186
9.4.1 <table:calculation-settings>.....	186
9.4.2 <table:null-date>.....	186
9.4.3 <table:iteration>.....	186
9.4.4 <table:content-validations>.....	187
9.4.5 <table:content-validation>.....	187
9.4.6 <table:help-message>.....	187
9.4.7 <table:error-message>.....	188

9.4.8 <table:error-macro>	188
9.4.9 <table:label-range>	188
9.4.10 <table:label-ranges>	189
9.4.11 <table:named-expressions>	189
9.4.12 <table:named-range>	189
9.4.13 <table:named-expression>	189
9.4.14 <table:database-ranges>	190
9.4.15 <table:database-range>	190
9.4.16 <table:database-source-sql>	190
9.4.17 <table:database-source-table>	191
9.4.18 <table:database-source-query>	191
9.4.19 <table:sort>	191
9.4.20 <table:sort-by>	191
9.4.21 <table:subtotal-rules>	192
9.4.22 <table:sort-groups>	192
9.4.23 <table:subtotal-rule>	192
9.4.24 <table:subtotal-field>	192
9.5 Filters	193
9.5.1 General	193
9.5.2 <table:filter>	193
9.5.3 <table:filter-and>	193
9.5.4 <table:filter-or>	193
9.5.5 <table:filter-condition>	193
9.5.6 <table:filter-set-item>	194
9.6 Data Pilot Tables	194
9.6.1 General	194
9.6.2 <table:data-pilot-tables>	195
9.6.3 <table:data-pilot-table>	195
9.6.4 Data Pilot Table Source	195
9.6.5 <table:source-cell-range>	195
9.6.6 <table:source-service>	196
9.6.7 <table:data-pilot-field>	196
9.6.8 <table:data-pilot-level>	196
9.6.9 <table:data-pilot-subtotals>	197
9.6.10 <table:data-pilot-subtotal>	197
9.6.11 <table:data-pilot-members>	197
9.6.12 <table:data-pilot-member>	197

9.6.13 <table:data-pilot-display-info>	197
9.6.14 <table:data-pilot-sort-info>	198
9.6.15 <table:data-pilot-layout-info>	198
9.6.16 <table:data-pilot-field-reference>	198
9.6.17 <table:data-pilot-groups>	198
9.6.18 <table:data-pilot-group>	199
9.6.19 <table:data-pilot-group-member>	199
9.7 <table:consolidation>	199
9.8 <table:dde-links>	200
9.9 Change Tracking in Spreadsheets	200
9.9.1 General	200
9.9.2 <table:tracked-changes>	200
9.9.3 <table:insertion>	200
9.9.4 <table:dependencies>	201
9.9.5 <table:dependency>	201
9.9.6 <table:deletions>	201
9.9.7 <table:cell-content-deletion>	201
9.9.8 <table:change-deletion>	202
9.9.9 <table:deletion>	202
9.9.10 <table:cut-offs>	202
9.9.11 <table:insertion-cut-off>	202
9.9.12 <table:movement-cut-off>	203
9.9.13 <table:movement>	203
9.9.14 <table:source-range-address>	203
9.9.15 <table:target-range-address>	203
9.9.16 <table:change-track-table-cell>	204
9.9.17 <table:cell-content-change>	204
9.9.18 <table:cell-address>	204
9.9.19 <table:previous>	204
10 Graphic Content	206
10.1 General	206
10.2 Enhanced Page Features for Graphical Applications	206
10.2.1 <style:handout-master>	206
10.2.2 <draw:layer-set>	206
10.2.3 <draw:layer>	207
10.2.4 <draw:page>	207
10.2.5 <draw:equation>	208

10.3 Drawing Shapes.....	208
10.3.1 General.....	208
10.3.2 <draw:rect>.....	208
10.3.3 <draw:line>.....	208
10.3.4 <draw:polyline>.....	209
10.3.5 <draw:polygon>.....	209
10.3.6 <draw:regular-polygon>.....	210
10.3.7 <draw:path>.....	210
10.3.8 <draw:circle>.....	211
10.3.9 <draw:ellipse>.....	211
10.3.10 <draw:connector>.....	212
10.3.11 <draw:caption>.....	213
10.3.12 <draw:measure>.....	213
10.3.13 <draw:control>.....	214
10.3.14 <draw:page-thumbnail>.....	215
10.3.15 <draw:g>.....	215
10.3.16 <draw:glue-point>.....	216
10.3.17 <svg:title>.....	216
10.3.18 <svg:desc>.....	216
10.3.19 <office:event-listeners>.....	217
10.4 Frames.....	217
10.4.1 General.....	217
10.4.2 <draw:frame>.....	218
10.4.3 <draw:text-box>.....	218
10.4.4 <draw:image>.....	219
10.4.5 <office:binary-data>.....	219
10.4.6 Objects.....	219
10.4.6.1 General.....	219
10.4.6.2 <draw:object>.....	220
10.4.6.3 <draw:object-ole>.....	220
10.4.7 <draw:applet>.....	220
10.4.8 <draw:plugin>.....	221
10.4.9 <draw:param>.....	221
10.4.10 <draw:floating-frame>.....	221
10.4.11 Contours.....	222
10.4.11.1 General.....	222
10.4.11.2 <draw:contour-polygon>.....	222

10.4.11.3 <draw:contour-path>.....	222
10.4.12 <draw:a>.....	222
10.4.13 Client Side Image Maps.....	223
10.4.13.1 General.....	223
10.4.13.2 <draw:image-map>.....	223
10.4.13.3 <draw:area-rectangle>.....	223
10.4.13.4 <draw:area-circle>.....	224
10.4.13.5 <draw:area-polygon>.....	224
10.5 3D Shapes.....	224
10.5.1 General.....	224
10.5.2 <dr3d:scene>.....	225
10.5.3 <dr3d:light>.....	225
10.5.4 <dr3d:cube>.....	225
10.5.5 <dr3d:sphere>.....	226
10.5.6 <dr3d:extrude>.....	226
10.5.7 <dr3d:rotate>.....	226
10.6 Custom Shape.....	227
10.6.1 <draw:custom-shape>.....	227
10.6.2 <draw:enhanced-geometry>.....	227
10.6.3 <draw:handle>.....	228
10.7 Presentation Shapes.....	228
10.8 Presentation Animations.....	228
10.8.1 <presentation:animations>.....	228
10.8.2 <presentation:sound>.....	229
10.8.3 <presentation:show-shape>.....	229
10.8.4 <presentation:show-text>.....	229
10.8.5 <presentation:hide-shape>.....	230
10.8.6 <presentation:hide-text>.....	230
10.8.7 <presentation:dim>.....	230
10.8.8 <presentation:play>.....	230
10.8.9 <presentation:animation-group>.....	231
10.9 SMIL Presentation Animations.....	231
10.9.1 General.....	231
10.9.2 <presentation:event-listener>.....	231
10.9.3 Presentation Document Content.....	232
10.9.3.1 <presentation:header>.....	232
10.9.3.2 <presentation:header-decl>.....	232
10.9.3.3 <presentation:footer>.....	232

10.9.3.4 <presentation:footer-decl>.....	233
10.9.3.5 <presentation:date-time>.....	233
10.9.3.6 <presentation:date-time-decl>.....	233
10.9.3.7 <presentation:settings>.....	233
10.9.3.8 <presentation:show>.....	234
11 Chart Content.....	235
11.1 <chart:chart>.....	235
11.2 Title, Subtitle and Footer.....	235
11.2.1 <chart:title>.....	235
11.2.2 <chart:subtitle>.....	235
11.2.3 <chart:footer>.....	236
11.3 <chart:legend>.....	236
11.4 <chart:plot-area>.....	237
11.5 3D Plot Area.....	237
11.6 <chart:wall>.....	237
11.7 <chart:floor>.....	237
11.8 <chart:axis>.....	238
11.9 <chart:categories>.....	238
11.10 <chart:grid>.....	238
11.11 <chart:series>.....	238
11.12 <chart:domain>.....	239
11.13 <chart:data-point>.....	239
11.14 <chart:data-label>.....	239
11.15 <chart:mean-value>.....	240
11.16 <chart:error-indicator>.....	240
11.17 <chart:regression-curve>.....	240
11.18 <chart:equation>.....	240
11.19 <chart:stock-gain-marker>.....	241
11.20 <chart:stock-loss-marker>.....	241
11.21 <chart:stock-range-line>.....	241
12 Database Front-end Document Content.....	242
12.1 <office:database>.....	242
12.2 <db:data-source>.....	242
12.3 <db:connection-data>.....	242
12.4 <db:database-description>.....	242
12.5 <db:file-based-database>.....	243
12.6 <db:server-database>.....	243

12.7 <db:connection-resource>.....	243
12.8 <db:login>.....	243
12.9 <db:driver-settings>.....	244
12.10 <db:auto-increment>.....	244
12.11 <db:delimiter>.....	244
12.12 <db:character-set>.....	244
12.13 <db:table-settings>.....	245
12.14 <db:table-setting>.....	245
12.15 <db:application-connection-settings>.....	245
12.16 <db:table-filter>.....	245
12.17 <db:table-include-filter>.....	246
12.18 <db:table-exclude-filter>.....	246
12.19 <db:table-filter-pattern>.....	246
12.20 <db:table-type-filter>.....	246
12.21 <db:table-type>.....	247
12.22 <db:data-source-settings>.....	247
12.23 <db:data-source-setting>.....	247
12.24 <db:data-source-setting-value>.....	247
12.25 Forms and Reports.....	248
12.25.1 General.....	248
12.25.2 <db:forms>.....	248
12.25.3 <db:reports>.....	248
12.25.4 <db:component-collection>.....	248
12.25.5 <db:component>.....	248
12.26 <db:queries>.....	249
12.27 <db:query-collection>.....	249
12.28 <db:query>.....	249
12.29 <db:order-statement>.....	249
12.30 <db:filter-statement>.....	250
12.31 <db:update-table>.....	250
12.32 <db:table-representations>.....	250
12.33 <db:table-representation>.....	250
12.34 <db:columns>.....	251
12.35 <db:column>.....	251
12.36 <db:schema-definition>.....	251
12.37 <db:table-definitions>.....	251
12.38 <db:table-definition>.....	252

12.39 <db:column-definitions>.....	252
12.40 <db:column-definition>.....	252
12.41 <db:keys>.....	252
12.42 <db:key>.....	253
12.43 <db:key-columns>.....	253
12.44 <db:key-column>.....	253
12.45 <db:indices>.....	253
12.46 <db:index>.....	253
12.47 <db:index-columns>.....	254
12.48 <db:index-column>.....	254
13 Form Content.....	255
13.1 General.....	255
13.2 <office:forms>.....	255
13.3 <form:form>.....	255
13.4 <xforms:model>.....	256
13.5 Controls.....	256
13.5.1 General.....	256
13.5.2 <form:text>.....	256
13.5.3 <form:textarea>.....	257
13.5.4 <form:password>.....	257
13.5.5 <form:file>.....	258
13.5.6 <form:formatted-text>.....	258
13.5.7 <form:number>.....	258
13.5.8 <form:date>.....	259
13.5.9 <form:time>.....	259
13.5.10 <form:fixed-text>.....	259
13.5.11 <form:combobox>.....	260
13.5.12 <form:item>.....	260
13.5.13 <form:listbox>.....	260
13.5.14 <form:option>.....	260
13.5.15 <form:button>.....	261
13.5.16 <form:image>.....	261
13.5.17 <form:checkbox>.....	261
13.5.18 <form:radio>.....	262
13.5.19 <form:frame>.....	262
13.5.20 <form:image-frame>.....	262
13.5.21 <form:hidden>.....	263

13.5.22 <form:grid>.....	263
13.5.23 <form:column>.....	263
13.5.24 <form:value-range>.....	264
13.5.25 <form:generic-control>.....	264
13.6 Event Listeners.....	264
13.7 <form:properties>.....	266
13.8 <form:property>.....	266
13.9 <form:list-property>.....	266
13.10 <form:list-value>.....	267
14 Common Content.....	268
14.1 <office:annotation>.....	268
14.2 <office:annotation-end>.....	268
14.3 <meta:date-string>.....	268
14.4 Event Listener Tables.....	269
14.4.1 General.....	269
14.4.2 <script:event-listener>.....	269
14.4.3 Event Types.....	269
14.4.4 Macro Name and Location.....	269
14.5 <math:math>.....	270
14.6 DDE Connections.....	270
14.6.1 General.....	270
14.6.2 <text:dde-connection-decls>.....	270
14.6.3 <text:dde-connection-decl>.....	270
14.6.4 <table:dde-link>.....	271
14.6.5 <office:dde-source>.....	271
15 SMIL Animations.....	272
15.1 General.....	272
15.2 Basic Animation Elements.....	272
15.2.1 General	272
15.2.2 <anim:animate>.....	272
15.2.3 <anim:animateTransform>.....	272
15.2.4 <anim:set>.....	273
15.2.5 <anim:animateMotion>.....	273
15.2.6 <anim:animateColor>.....	273
15.2.7 <anim:transitionFilter>.....	274
15.3 Animation Model Attributes.....	274
15.3.1 General.....	274

15.3.2 Simple Animation Functions.....	274
15.4 Animation Timing.....	274
15.4.1 General.....	274
15.4.2 <anim:par>.....	274
15.4.3 <anim:seq>.....	275
15.4.4 <anim:iterate>.....	275
15.5 <anim:audio>.....	276
15.6 Animation Command Elements.....	276
15.6.1 <anim:command>.....	276
15.6.2 <anim:param>.....	277
16 Styles.....	278
16.1 General.....	278
16.2 <style:style>.....	278
16.3 <style:map>.....	279
16.4 <style:default-style>.....	280
16.5 <style:page-layout>.....	280
16.6 <style:header-style>.....	280
16.7 <style:footer-style>.....	280
16.8 <style:default-page-layout>.....	281
16.9 <style:master-page>.....	281
16.10 <style:header>.....	282
16.11 <style:footer>.....	282
16.12 <style:header-left>.....	283
16.13 <style:footer-left>.....	283
16.14 <style:region-left>.....	283
16.15 <style:region-center>.....	284
16.16 <style:region-right>.....	284
16.17 <presentation:notes>.....	284
16.18 <table:table-template>.....	285
16.19 Cell Styles.....	285
16.19.1 General.....	285
16.19.2 <table:first-row>.....	285
16.19.3 <table:last-row>.....	286
16.19.4 <table:first-column>.....	286
16.19.5 <table:last-column>.....	286
16.19.6 <table:body>.....	286
16.19.7 <table:even-rows>.....	286

16.19.8 <table:odd-rows>.....	287
16.19.9 <table:even-columns>.....	287
16.19.10 <table:odd-columns>.....	287
16.20 <table:background>.....	287
16.21 <style:font-face>.....	288
16.22 <svg:font-face-src>.....	288
16.23 <svg:font-face-name>.....	289
16.24 <svg:font-face-uri>.....	289
16.25 <svg:definition-src>.....	289
16.26 <svg:font-face-format>.....	289
16.27 Data Styles.....	289
16.27.1 General.....	289
16.27.2 <number:number-style>.....	290
16.27.3 <number:number>.....	290
16.27.4 <number:embedded-text>.....	290
16.27.5 <number:scientific-number>.....	290
16.27.6 <number:fraction>.....	291
16.27.7 <number:currency-style>.....	291
16.27.8 <number:currency-symbol>.....	291
16.27.9 <number:percentage-style>.....	292
16.27.10 <number:date-style>.....	292
16.27.11 <number:day>.....	292
16.27.12 <number:month>.....	293
16.27.13 <number:year>.....	293
16.27.14 <number:era>.....	293
16.27.15 <number:day-of-week>.....	293
16.27.16 <number:week-of-year>.....	294
16.27.17 <number:quarter>.....	294
16.27.18 <number:time-style>.....	294
16.27.19 <number:hours>.....	294
16.27.20 <number:minutes>.....	295
16.27.21 <number:seconds>.....	295
16.27.22 <number:am-pm>.....	295
16.27.23 <number:boolean-style>.....	295
16.27.24 <number:boolean>.....	296
16.27.25 <number:text-style>.....	296
16.27.26 <number:text>.....	296

16.27.27 <number:text-content>	296
16.27.28 <style:text-properties>	297
16.28 Text Style Families	298
16.28.1 Text Styles	298
16.28.2 Paragraph Styles	298
16.28.3 Section Styles	298
16.28.4 Ruby Styles	298
16.29 Enhanced Text Styles	298
16.29.1 <text:linenumbering-configuration>	298
16.29.2 <text:linenumbering-separator>	299
16.29.3 <text:notes-configuration>	299
16.29.4 <text:note-continuation-notice-forward>	299
16.29.5 <text:note-continuation-notice-backward>	299
16.29.6 <text:bibliography-configuration>	300
16.29.7 <text:sort-key>	300
16.30 <text:list-style>	300
16.31 <text:list-level-style-bullet>	301
16.32 <text:list-level-style-number>	301
16.33 <text:list-level-style-image>	301
16.34 <text:outline-style>	302
16.35 <text:outline-level-style>	302
16.36 Table Styles	302
16.36.1 Table Styles	302
16.36.2 Table Column Styles	302
16.36.3 Table Row Styles	302
16.36.4 Table Cell Styles	303
16.37 Graphic Styles	303
16.38 Presentation Styles	303
16.39 Drawing Page Style	303
16.40 Enhanced Graphic Style Elements	303
16.40.1 <draw:gradient>	303
16.40.2 <svg:linearGradient>	304
16.40.3 <svg:radialGradient>	304
16.40.4 <svg:stop>	305
16.40.5 <draw:hatch>	305
16.40.6 <draw:fill-image>	305
16.40.7 <draw:opacity>	305

16.40.8 <draw:marker>	306
16.40.9 <draw:stroke-dash>	306
16.41 <style:presentation-page-layout>	307
16.42 <presentation:placeholder>	307
16.43 Chart Styles	307
17 Formatting Elements	308
17.1 General	308
17.2 <style:page-layout-properties>	308
17.3 <style:background-image>	308
17.4 <style:footnote-sep>	309
17.5 <style:header-footer-properties>	309
17.6 <style:paragraph-properties>	310
17.7 <style:tab-stops>	310
17.8 <style:tab-stop>	310
17.9 <style:drop-cap>	311
17.10 <style:ruby-properties>	311
17.11 <style:section-properties>	311
17.12 <style:columns>	311
17.13 <style:column>	312
17.14 <style:column-sep>	312
17.15 <style:table-properties>	312
17.16 <style:table-column-properties>	313
17.17 <style:table-row-properties>	313
17.18 <style:table-cell-properties>	313
17.19 <style:list-level-properties>	314
17.20 <style:list-level-label-alignment>	314
17.21 <style:graphic-properties>	314
17.22 <style:chart-properties>	316
17.23 <chart:symbol-image>	317
17.24 <chart:label-separator>	317
17.25 <style:drawing-page-properties>	317
18 Datatypes	319
18.1 Introduction	319
18.2 W3C Schema Datatypes	319
18.3 Other Datatypes	320
18.3.1 angle	320
18.3.2 anyIRI	320

18.3.3 boolean.....	320
18.3.4 cellAddress.....	320
18.3.5 cellRangeAddress.....	320
18.3.6 cellRangeAddressList.....	320
18.3.7 character.....	320
18.3.8 clipShape.....	320
18.3.9 color.....	320
18.3.10 coordinate.....	321
18.3.11 countryCode.....	321
18.3.12 CURIE.....	321
18.3.13 CURIEs.....	321
18.3.14 dateOrDateTime.....	321
18.3.15 distance.....	321
18.3.16 language.....	321
18.3.17 languageCode.....	321
18.3.18 length.....	321
18.3.19 namespacedToken.....	322
18.3.20 nonNegativeLength.....	322
18.3.21 nonNegativePixelLength.....	322
18.3.22 pathData.....	322
18.3.23 percent.....	322
18.3.24 point3D.....	322
18.3.25 points.....	322
18.3.26 positiveLength.....	322
18.3.27 relativeLength.....	322
18.3.28 safeCURIE.....	322
18.3.29 scriptCode.....	322
18.3.30 signedZeroToHundredPercent.....	323
18.3.31 styleName.....	323
18.3.32 styleNameRef.....	323
18.3.33 styleNameRefs.....	323
18.3.34 targetFrameName.....	323
18.3.35 textEncoding.....	323
18.3.36 timeOrDateTime.....	323
18.3.37 URIorSafeCURIE.....	323
18.3.38 valueType.....	323
18.3.39 variableName.....	323

18.3.40 vector3D.....	323
18.3.41 zeroToHundredPercent.....	324
19 General Attributes.....	325
19.1 General.....	325
19.2 anim:color-interpolation.....	325
19.3 anim:color-interpolation-direction.....	325
19.4 anim:audio-level.....	325
19.5 anim:command.....	326
19.6 anim:formula.....	326
19.7 anim:id (deprecated).....	327
19.8 anim:iterate-interval.....	328
19.9 anim:iterate-type.....	328
19.10 anim:name.....	328
19.11 anim:sub-item.....	328
19.12 anim:value.....	329
19.13 chart:attached-axis.....	329
19.14 chart:automatic-content.....	329
19.15 chart:class.....	329
19.15.1 <chart:chart>, <chart:series>.....	329
19.15.2 <chart:grid>.....	336
19.16 chart:column-mapping (deprecated).....	336
19.17 chart:data-source-has-labels (deprecated).....	337
19.18 chart:dimension.....	337
19.19 chart:display-equation.....	338
19.20 chart:display-r-square.....	338
19.21 chart:label-cell-address.....	338
19.22 chart:legend-align.....	338
19.23 chart:legend-position.....	339
19.24 chart:name.....	339
19.25 chart:repeated.....	340
19.26 chart:row-mapping (deprecated).....	340
19.27 chart:style-name.....	340
19.28 chart:values-cell-range-address.....	340
19.29 config:name.....	341
19.30 config:type.....	341
19.31 db:additional-column-statement.....	341
19.32 db:append-table-alias-name.....	342

19.33 db:apply-command.....	342
19.34 db:as-template.....	342
19.35 db:base-dn.....	342
19.36 db:boolean-comparison-mode.....	343
19.37 db:catalog-name.....	343
19.38 db:command.....	343
19.39 db:data-source-setting-is-list.....	343
19.40 db:data-source-setting-name.....	344
19.41 db:data-source-setting-type.....	344
19.42 db:data-type.....	344
19.43 db:database-name.....	345
19.44 db:decimal.....	345
19.45 db:default-cell-style-name.....	345
19.46 db:default-row-style-name.....	345
19.47 db:delete-rule.....	345
19.48 db:description.....	346
19.49 db:enable-sql92-check.....	346
19.50 db:encoding.....	346
19.51 db:escape-processing.....	346
19.52 db:extension.....	347
19.53 db:field.....	347
19.54 db:hostname.....	347
19.55 db:ignore-driver-privileges.....	347
19.56 db:is-ascending.....	348
19.57 db:is-autoincrement.....	348
19.58 db:is-clustered.....	348
19.59 db:is-empty-allowed.....	348
19.60 db:is-first-row-header-line.....	349
19.61 db:login-timeout.....	349
19.62 db:is-nullable.....	349
19.63 db:is-password-required.....	349
19.64 db:is-unique.....	350
19.65 db:precision.....	350
19.66 db:is-table-name-length-limited.....	350
19.67 db:local-socket.....	350
19.68 db:max-row-count.....	351
19.69 db:media-type.....	351

19.70 db:name.....	351
19.70.1 General.....	351
19.70.2 <db:column>.....	351
19.70.3 <db:column-definition>.....	351
19.70.4 <db:component>.....	352
19.70.5 <db:component-collection>.....	352
19.70.6 <db:index>.....	352
19.70.7 <db:index-column>.....	352
19.70.8 <db:key>.....	352
19.70.9 <db:key-column>.....	352
19.70.10 <db:query>.....	352
19.70.11 <db:query-collection>.....	353
19.70.12 <db:table-definition>.....	353
19.70.13 <db:table-representation>.....	353
19.70.14 <db:update-table>.....	353
19.71 db:parameter-name-substitution.....	353
19.72 db:port.....	354
19.73 db:referenced-table-name.....	354
19.74 db:related-column-name.....	354
19.75 db:row-retrieving-statement.....	354
19.76 db:scale.....	354
19.77 db:schema-name.....	354
19.78 db:show-deleted.....	355
19.79 db:string.....	355
19.80 db:style-name.....	355
19.80.1 General.....	355
19.80.2 <db:column>.....	355
19.80.3 <db:query>.....	355
19.80.4 <db:table-representation>.....	356
19.81 db:suppress-version-columns.....	356
19.82 db:system-driver-settings.....	356
19.83 db:thousand.....	356
19.84 db:title.....	356
19.85 db:type.....	357
19.85.1 General.....	357
19.85.2 <db:key>.....	357
19.85.3 <db:server-database>.....	357

19.85.4 <db:table-definition>	357
19.86 db:type-name	358
19.87 db:update-rule	358
19.88 db:use-catalog	358
19.89 db:use-system-user	359
19.90 db:user-name	359
19.91 db:visible	359
19.92 dr3d:ambient-color	359
19.93 dr3d:center	360
19.94 dr3d:diffuse-color	360
19.95 dr3d:direction	360
19.96 dr3d:distance	360
19.97 dr3d:enabled	360
19.98 dr3d:focal-length	360
19.99 dr3d:lighting-mode	361
19.99.1 General	361
19.99.2 <chart:plot-area>	361
19.99.3 <dr3d:scene>	361
19.100 dr3d:max-edge	361
19.101 dr3d:min-edge	362
19.102 dr3d:projection	362
19.103 dr3d:shade-mode	362
19.104 dr3d:shadow-slant	362
19.105 dr3d:size	363
19.106 dr3d:specular	363
19.107 dr3d:transform	363
19.108 dr3d:vpn	363
19.109 dr3d:vrp	364
19.110 dr3d:vup	364
19.111 draw:align	364
19.112 draw:angle	365
19.113 draw:archive	365
19.114 draw:border	365
19.115 draw:caption-id	365
19.116 draw:caption-point-x	366
19.117 draw:caption-point-y	366
19.118 draw:chain-next-name	366

19.119 draw:class-id.....	366
19.120 draw:class-names.....	366
19.121 draw:code.....	367
19.122 draw:color.....	367
19.122.1 General.....	367
19.122.2 <draw:hatch>.....	367
19.122.3 <presentation:dim>.....	367
19.123 draw:concave.....	367
19.124 draw:concentric-gradient-fill-allowed.....	368
19.125 draw:control.....	368
19.126 draw:copy-of.....	368
19.127 draw:corner-radius.....	368
19.128 draw:corners.....	369
19.129 draw:cx.....	369
19.130 draw:cy.....	369
19.131 draw:data.....	369
19.132 draw:display.....	369
19.133 draw:display-name.....	370
19.133.1 General.....	370
19.133.2 <draw:fill-image>.....	370
19.133.3 <draw:gradient>.....	370
19.133.4 <draw:hatch>.....	370
19.133.5 <draw:marker>.....	370
19.133.6 <draw:opacity>.....	371
19.133.7 <draw:stroke-dash>.....	371
19.133.8 <svg:linearGradient>.....	371
19.133.9 <svg:radialGradient>.....	371
19.134 draw:distance.....	371
19.134.1 General.....	371
19.134.2 <draw:hatch>.....	371
19.134.3 <draw:stroke-dash>.....	372
19.135 draw:dots1.....	372
19.136 draw:dots1-length.....	372
19.137 draw:dots2.....	372
19.138 draw:dots2-length.....	372
19.139 draw:end.....	373
19.140 draw:end-angle.....	373

19.141 draw:end-color.....	373
19.142 draw:end-glue-point.....	373
19.143 draw:end-intensity.....	373
19.144 draw:end-shape.....	374
19.145 draw:enhanced-path.....	374
19.146 draw:engine.....	376
19.147 draw:escape-direction.....	376
19.148 draw:extrusion.....	377
19.149 draw:extrusion-allowed.....	377
19.150 draw:extrusion-brightness.....	377
19.151 draw:extrusion-color.....	378
19.152 draw:extrusion-depth.....	378
19.153 draw:extrusion-diffusion.....	378
19.154 draw:extrusion-first-light-direction.....	378
19.155 draw:extrusion-first-light-harsh.....	379
19.156 draw:extrusion-first-light-level.....	379
19.157 draw:extrusion-light-face.....	379
19.158 draw:extrusion-metal.....	379
19.159 draw:extrusion-number-of-line-segments.....	380
19.160 draw:extrusion-origin.....	380
19.161 draw:extrusion-rotation-angle.....	381
19.162 draw:extrusion-rotation-center.....	381
19.163 draw:extrusion-second-light-direction.....	381
19.164 draw:extrusion-second-light-harsh.....	381
19.165 draw:extrusion-second-light-level.....	382
19.166 draw:extrusion-shininess.....	382
19.167 draw:extrusion-skew.....	382
19.168 draw:extrusion-specularity.....	382
19.169 draw:extrusion-viewpoint.....	383
19.170 draw:filter-name.....	383
19.171 draw:formula.....	383
19.172 draw:frame-name.....	385
19.173 draw:glue-point-leaving-directions.....	385
19.174 draw:glue-point-type.....	385
19.175 draw:glue-points.....	386
19.176 draw:handle-mirror-horizontal.....	386
19.177 draw:handle-mirror-vertical.....	387

19.178 draw:handle-polar.....	387
19.179 draw:handle-position.....	387
19.180 draw:handle-radius-range-maximum.....	389
19.181 draw:handle-radius-range-minimum.....	389
19.182 draw:handle-range-x-maximum.....	389
19.183 draw:handle-range-x-minimum.....	389
19.184 draw:handle-range-y-maximum.....	389
19.185 draw:handle-range-y-minimum.....	390
19.186 draw:handle-switched.....	390
19.187 draw:id.....	390
19.187.1 General.....	390
19.187.2 <draw:glue-point>.....	390
19.187.3 <dr3d:cube>, <dr3d:extrude>, <dr3d:rotate>, <dr3d:scene>, <dr3d:sphere>, <draw:caption>, <draw:circle>, <draw:connector>, <draw:control>, <draw:custom-shape>, <draw:ellipse>, <draw:frame>, <draw:g>, <draw:line>, <draw:measure>, <draw:page>, <draw:page-thumbnail>, <draw:path>, <draw:polygon>, <draw:polyline>, <draw:rect>, <draw:regular-polygon> and <office:annotation>.....	391
19.188 draw:kind.....	391
19.189 draw:layer.....	392
19.190 draw:line-skew.....	392
19.191 draw:mime-type.....	392
19.192 draw:mirror-horizontal.....	392
19.193 draw:mirror-vertical.....	393
19.194 draw:master-page-name.....	393
19.195 draw:may-script.....	393
19.196 draw:modifiers.....	393
19.197 draw:name.....	394
19.197.1 General.....	394
19.197.2 <draw:caption>.....	394
19.197.3 <draw:circle>.....	394
19.197.4 <draw:connector>.....	394
19.197.5 <draw:control>.....	394
19.197.6 <draw:custom-shape>.....	395
19.197.7 <draw:ellipse>.....	395
19.197.8 <draw:equation>.....	395
19.197.9 <draw:fill-image>.....	395
19.197.10 <draw:frame>.....	395
19.197.11 <draw:g>.....	395

19.197.12 <draw:gradient>.....	396
19.197.13 <draw:hatch>.....	396
19.197.14 <draw:layer>.....	396
19.197.15 <draw:line>.....	396
19.197.16 <draw:marker>.....	396
19.197.17 <draw:measure>.....	396
19.197.18 <draw:opacity>.....	397
19.197.19 <draw:page>.....	397
19.197.20 <draw:page-thumbnail>.....	397
19.197.21 <draw:param>.....	397
19.197.22 <draw:path>.....	397
19.197.23 <draw:polygon>.....	397
19.197.24 <draw:polyline>.....	398
19.197.25 <draw:rect>.....	398
19.197.26 <draw:regular-polygon>.....	398
19.197.27 <draw:stroke-dash>.....	398
19.197.28 <office:annotation> (deprecated).....	398
19.197.29 <svg:linearGradient>.....	398
19.197.30 <svg:radialGradient>.....	399
19.198 draw:nav-order.....	399
19.199 draw:nohref.....	399
19.200 draw:notify-on-update-of-ranges.....	399
19.201 draw:object.....	400
19.202 draw:opacity.....	400
19.203 draw:page-number.....	400
19.204 draw:path-stretchpoint-x.....	400
19.205 draw:path-stretchpoint-y.....	401
19.206 draw:points.....	401
19.207 draw:protected.....	401
19.208 draw:recreate-on-edit.....	402
19.209 draw:rotation.....	402
19.210 draw:shape-id.....	402
19.211 draw:sharpness.....	402
19.212 draw:start.....	403
19.213 draw:start-angle.....	403
19.214 draw:start-color.....	403
19.215 draw:start-glue-point.....	403

19.216 draw:start-intensity.....	403
19.217 draw:start-shape.....	404
19.218 draw:style.....	404
19.218.1 General.....	404
19.218.2 <draw:gradient>.....	404
19.218.3 <draw:hatch>.....	405
19.218.4 <draw:opacity>.....	405
19.218.5 <draw:stroke-dash>.....	405
19.219 draw:style-name.....	406
19.219.1 General.....	406
19.219.2 <dr3d:cube>.....	406
19.219.3 <dr3d:extrude>.....	406
19.219.4 <dr3d:rotate>.....	406
19.219.5 <dr3d:scene>.....	406
19.219.6 <dr3d:sphere>.....	406
19.219.7 <draw:caption>.....	407
19.219.8 <draw:circle>.....	407
19.219.9 <draw:connector>.....	407
19.219.10 <draw:control>.....	407
19.219.11 <draw:custom-shape>.....	407
19.219.12 <draw:ellipse>.....	407
19.219.13 <draw:frame>.....	408
19.219.14 <draw:g>.....	408
19.219.15 <draw:line>.....	408
19.219.16 <draw:measure>.....	408
19.219.17 <draw:page>.....	408
19.219.18 <draw:page-thumbnail>.....	409
19.219.19 <draw:path>.....	409
19.219.20 <draw:polygon>.....	409
19.219.21 <draw:polyline>.....	409
19.219.22 <draw:rect>.....	409
19.219.23 <draw:regular-polygon>.....	409
19.219.24 <office:annotation>.....	410
19.219.25 <presentation:notes>.....	410
19.219.26 <style:handout-master>.....	410
19.219.27 <style:master-page>.....	410
19.220 draw:text-areas.....	410

19.221 draw:text-path.....	411
19.222 draw:text-path-allowed.....	412
19.223 draw:text-path-mode.....	412
19.224 draw:text-path-same-letter-heights.....	412
19.225 draw:text-path-scale.....	413
19.226 draw:text-rotate-angle.....	413
19.227 draw:text-style-name.....	413
19.228 draw:transform.....	413
19.229 draw:type.....	414
19.229.1 General.....	414
19.229.2 <draw:connector>.....	414
19.229.3 <draw:enhanced-geometry>.....	415
19.230 draw:value.....	415
19.231 draw:z-index.....	415
19.232 fo:column-count.....	415
19.233 fo:column-gap.....	416
19.234 fo:country.....	416
19.234.1 <text:alphabetical-index-source>.....	416
19.234.2 <text:bibliography-configuration>.....	416
19.235 fo:end-indent.....	416
19.236 fo:language.....	417
19.236.1 General.....	417
19.236.2 <text:alphabetical-index-source>.....	417
19.236.3 <text:bibliography-configuration>.....	417
19.237 fo:margin-left.....	417
19.238 fo:max-height.....	417
19.239 fo:max-width.....	418
19.240 fo:min-height.....	418
19.241 fo:min-width.....	418
19.242 fo:script.....	419
19.242.1 General.....	419
19.242.2 <text:alphabetical-index-source>.....	419
19.242.3 <text:bibliography-configuration>.....	419
19.243 fo:space-after.....	419
19.244 fo:space-before.....	420
19.245 fo:start-indent.....	420
19.246 fo:text-indent.....	420

19.247 form:allow-deletes.....	420
19.248 form:allow-inserts.....	421
19.249 form:allow-updates.....	421
19.250 form:apply-design-mode.....	421
19.251 form:apply-filter.....	421
19.252 form:auto-complete.....	422
19.253 form:automatic-focus.....	422
19.254 form:bound-column.....	422
19.255 form:button-type.....	423
19.256 form:command.....	423
19.257 form:command-type.....	423
19.258 form:control-implementation.....	424
19.259 form:convert-empty-to-null.....	424
19.260 form:current-selected.....	424
19.261 form:current-state.....	425
19.262 form:current-value.....	425
19.263 form:data-field.....	425
19.264 form:datasource.....	426
19.265 form:default-button.....	426
19.266 form:delay-for-repeat.....	427
19.267 form:detail-fields.....	427
19.268 form:disabled.....	427
19.269 form:dropdown.....	427
19.270 form:echo-char.....	428
19.271 form:enctype.....	428
19.272 form:escape-processing.....	428
19.273 form:filter.....	429
19.274 form:focus-on-click.....	429
19.275 form:for.....	429
19.276 form:id (deprecated)	429
19.277 form:ignore-result.....	430
19.278 form:image-align.....	430
19.279 form:image-data.....	430
19.280 form:image-position.....	431
19.281 form:is-tristate.....	431
19.282 form:label.....	431
19.283 form:linked-cell.....	432

19.284 form:list-linkage-type.....	432
19.285 form:list-source.....	432
19.286 form:list-source-type.....	433
19.287 form:master-fields.....	434
19.288 form:max-length.....	434
19.289 form:max-value.....	434
19.289.1 General.....	434
19.289.2 <form:date>.....	434
19.289.3 <form:formatted-text>.....	435
19.289.4 <form:number> and <form:value-range>.....	435
19.289.5 <form:time>.....	435
19.290 form:min-value.....	435
19.290.1 General.....	435
19.290.2 <form:date>.....	435
19.290.3 <form:formatted-text>.....	435
19.290.4 <form:number> and <form:value-range>.....	435
19.290.5 <form:time>.....	436
19.291 form:method.....	436
19.292 form:multi-line.....	436
19.293 form:multiple.....	436
19.294 form:name.....	437
19.295 form:navigation-mode.....	437
19.296 form:order.....	437
19.297 form:orientation.....	438
19.298 form:page-step-size.....	438
19.299 form:printable.....	438
19.300 form:property-name.....	438
19.301 form:readonly.....	439
19.302 form:repeat.....	439
19.303 form:selected.....	439
19.304 form:size.....	440
19.305 form:source-cell-range.....	440
19.306 form:spin-button.....	440
19.307 form:state.....	440
19.308 form:step-size.....	441
19.309 form:tab-cycle.....	441
19.310 form:tab-index.....	441

19.311 form:tab-stop.....	442
19.312 form:text-style-name.....	442
19.313 form:title.....	443
19.314 form:toggle.....	443
19.315 form:validation.....	443
19.316 form:value.....	444
19.316.1 General	444
19.316.2 <form:button>.....	444
19.316.3 <form:date>.....	444
19.316.4 <form:number> and <form:value-range>.....	444
19.316.5 <form:checkbox>, <form:combobox>, <form:file>, <form:formatted-text>, <form:hidden>, <form:image>, <form:option>, <form:password>, <form:radio>, <form:text>, <form:textarea>.....	444
19.316.6 <form:time>.....	444
19.317 form:visual-effect.....	445
19.318 form:xforms-list-source.....	445
19.319 form:xforms-submission.....	445
19.320 grddl:transformation.....	445
19.321 meta:cell-count.....	446
19.322 meta:character-count.....	446
19.323 meta:date.....	446
19.324 meta:delay.....	446
19.325 meta:draw-count.....	446
19.326 meta:frame-count.....	447
19.327 meta:image-count.....	447
19.328 meta:name.....	447
19.329 meta:non-whitespace-character-count.....	447
19.330 meta:object-count.....	447
19.331 meta:ole-object-count.....	448
19.332 meta:page-count.....	448
19.333 meta:paragraph-count.....	448
19.334 meta:row-count.....	448
19.335 meta:sentence-count.....	448
19.336 meta:syllable-count.....	449
19.337 meta:table-count.....	449
19.338 meta:value-type.....	449
19.339 meta:word-count.....	449
19.340 number:automatic-order.....	450

19.341 number:calendar.....	450
19.342 number:country.....	451
19.343 number:decimal-places.....	451
19.343.1 General.....	451
19.343.2 <number:number>.....	451
19.343.3 <number:seconds>	451
19.343.4 <number:scientific-number>.....	451
19.344 number:decimal-replacement.....	452
19.345 number:denominator-value.....	452
19.346 number:display-factor.....	452
19.347 number:format-source.....	452
19.348 number:grouping.....	453
19.349 number:language.....	453
19.350 number:min-denominator-digits.....	453
19.351 number:min-exponent-digits.....	454
19.352 number:min-integer-digits.....	454
19.353 number:min-numerator-digits.....	454
19.354 number:position.....	454
19.355 number:possessive-form.....	455
19.356 number:rfc-language-tag.....	455
19.357 number:script.....	455
19.358 number:style.....	456
19.358.1 General.....	456
19.358.2 <number:day>.....	456
19.358.3 <number:day-of-week>.....	456
19.358.4 <number:era>.....	456
19.358.5 <number:hours>.....	456
19.358.6 <number:minutes>.....	457
19.358.7 <number:month>.....	457
19.358.8 <number:quarter>.....	457
19.358.9 <number:seconds>.....	457
19.358.10 <number:year>.....	458
19.359 number:textual.....	458
19.360 number:title.....	458
19.361 number:transliteration-country.....	458
19.362 number:transliteration-format.....	459
19.363 number:transliteration-language.....	459

19.364	number:transliteration-style.....	459
19.365	number:truncate-on-overflow.....	460
19.366	office:automatic-update.....	460
19.367	office:boolean-value.....	460
19.368	office:conversion-mode.....	461
19.369	office:currency.....	461
19.370	office:date-value.....	462
19.371	office:dde-application.....	462
19.372	office:dde-item.....	462
19.373	office:dde-topic.....	462
19.374	office:display.....	462
19.375	office:mimetype.....	463
19.376	office:name.....	463
19.376.1	General.....	463
19.376.2	<draw:a>.....	463
19.376.3	<draw:area-circle>.....	463
19.376.4	<draw:area-rectangle>.....	463
19.376.5	<draw:area-polygon>.....	464
19.376.6	<office:annotation>.....	464
19.376.7	<office:annotation-end>.....	464
19.376.8	<office:dde-source>.....	464
19.376.9	<text:a>.....	464
19.376.10	<text:dde-connection-decl>.....	465
19.377	office:process-content (deprecated).....	465
19.378	office:server-map.....	465
19.379	office:string-value.....	465
19.380	office:target-frame.....	466
19.381	office:target-frame-name.....	466
19.382	office:time-value.....	467
19.383	office:title.....	467
19.384	office:value.....	467
19.385	office:value-type.....	468
19.386	office:version.....	469
19.387	presentation:action.....	469
19.388	presentation:animations.....	470
19.389	presentation:class.....	470
19.390	presentation:class-names.....	471

19.391 presentation:delay.....	471
19.392 presentation:direction.....	472
19.393 presentation:endless.....	473
19.394 presentation:effect.....	473
19.395 presentation:force-manual.....	474
19.396 presentation:full-screen.....	474
19.397 presentation:group-id.....	475
19.398 presentation:master-element.....	475
19.399 presentation:mouse-as-pen.....	475
19.400 presentation:mouse-visible.....	476
19.401 presentation:name.....	476
19.402 presentation:node-type.....	476
19.403 presentation:object.....	477
19.404 presentation:pages.....	477
19.405 presentation:path-id.....	477
19.406 presentation:pause.....	477
19.407 presentation:placeholder.....	478
19.408 presentation:play-full.....	478
19.409 presentation:presentation-page-layout-name.....	478
19.410 presentation:preset-class.....	478
19.411 presentation:preset-id.....	479
19.412 presentation:preset-sub-type.....	479
19.413 presentation:show.....	479
19.414 presentation:show-end-of-presentation-slide.....	479
19.415 presentation:show-logo.....	480
19.416 presentation:source.....	480
19.417 presentation:speed.....	480
19.418 presentation:start-scale.....	481
19.419 presentation:start-page.....	481
19.420 presentation:start-with-navigator.....	481
19.421 presentation:stay-on-top.....	482
19.422 presentation:style-name.....	482
19.423 presentation:transition-on-click.....	482
19.424 presentation:use-date-time-name.....	483
19.425 presentation:use-footer-name.....	483
19.426 presentation:use-header-name.....	483
19.427 presentation:user-transformed.....	483

19.428 presentation:verb.....	484
19.429 script:event-name.....	484
19.430 script:language.....	485
19.431 script:macro-name.....	485
19.432 smil:accelerate.....	485
19.433 smil:accumulate.....	485
19.434 smil:additive.....	486
19.435 smil:attributeName.....	486
19.436 smil:autoReverse.....	487
19.437 smil:begin.....	487
19.438 smil:by.....	487
19.439 smil:calcMode.....	487
19.440 smil:decelerate.....	488
19.441 smil:direction.....	488
19.442 smil:dur.....	488
19.443 smil:end.....	488
19.444 smil:endsync.....	489
19.445 smil:fadeColor.....	489
19.446 smil:fill.....	489
19.447 smil:fillDefault.....	489
19.448 smil:from.....	489
19.449 smil:keySplines.....	490
19.450 smil:keyTimes.....	490
19.451 smil:mode.....	490
19.452 smil:repeatCount.....	490
19.453 smil:repeatDur.....	490
19.454 smil:restart.....	491
19.455 smil:restartDefault.....	491
19.456 smil:subtype.....	491
19.457 smil:targetElement.....	491
19.458 smil:to.....	492
19.459 smil:type.....	492
19.460 smil:values.....	492
19.461 style:adjustment.....	492
19.462 style:apply-style-name.....	493
19.463 style:auto-update.....	493
19.464 style:base-cell-address.....	493

19.465 style:char.....	494
19.466 style:class.....	494
19.467 style:color.....	494
19.468 style:condition.....	494
19.469 style:data-style-name.....	496
19.469.1 General.....	496
19.469.2 <presentation:date-time-decl>.....	496
19.469.3 <style:style>.....	496
19.469.4 <text:creation-date>.....	496
19.469.5 <text:creation-time>.....	496
19.469.6 <text:database-display>.....	496
19.469.7 <text:date>.....	497
19.469.8 <text:editing-duration>.....	497
19.469.9 <text:expression>.....	497
19.469.10 <text:meta-field>.....	497
19.469.11 <text:modification-date>.....	497
19.469.12 <text:modification-time>.....	497
19.469.13 <text:print-date>.....	498
19.469.14 <text:print-time>.....	498
19.469.15 <text:table-formula>.....	498
19.469.16 <text:time>.....	498
19.469.17 <text:user-defined>.....	498
19.469.18 <text:user-field-get>.....	499
19.469.19 <text:user-field-input>.....	499
19.469.20 <text:variable-get>.....	499
19.469.21 <text:variable-input>.....	499
19.469.22 <text:variable-set>.....	499
19.470 style:default-outline-level.....	500
19.471 style:display.....	500
19.472 style:display-name.....	500
19.473 style:distance.....	501
19.474 style:distance-before-sep.....	501
19.475 style:distance-after-sep.....	501
19.476 style:family.....	501
19.477 style:filter-name.....	502
19.478 style:font-adornments.....	502
19.479 style:font-charset.....	502

19.480 style:font-family-generic.....	503
19.481 style:font-pitch.....	503
19.482 style:height.....	503
19.483 style:leader-char.....	503
19.484 style:leader-color.....	504
19.485 style:leader-style.....	504
19.486 style:leader-text.....	504
19.487 style:leader-text-style.....	505
19.488 style:leader-type.....	505
19.489 style:leader-width.....	505
19.490 style:legend-expansion.....	506
19.491 style:legend-expansion-aspect-ratio.....	506
19.492 style:length.....	506
19.493 style:line-style.....	507
19.494 style:lines.....	507
19.495 style:list-level.....	507
19.496 style:list-style-name.....	507
19.497 style:master-page-name.....	508
19.498 style:name.....	508
19.498.1 General.....	508
19.498.2 <number:boolean-style>, <number:currency-style>, <number:date-style>, <number:number-style>, <number:percentage-style>, <number:text-style>, <number:time- style>, <style:master-page>, <style:page-layout>, <style:presentation-page-layout>, <style:style>, <text:list-style>, <text:outline-style>.....	508
19.498.3 <style:font-face>.....	509
19.499 style:next-style-name.....	509
19.499.1 General.....	509
19.499.2 <style:master-page>.....	509
19.499.3 <style:style>.....	509
19.500 style:num-format.....	510
19.501 style:num-letter-sync.....	510
19.502 style:num-prefix.....	511
19.503 style:num-suffix.....	511
19.504 style:page-layout-name.....	511
19.505 style:page-usage.....	511
19.506 style:parent-style-name.....	512
19.507 style:percentage-data-style-name.....	512
19.508 style:position.....	512

19.508.1 General.....	512
19.508.2 <style:background-image>.....	512
19.508.3 <style:tab-stop>.....	513
19.508.4 <text:index-entry-tab-stop>.....	513
19.509 style:rel-height.....	513
19.510 style:rel-width.....	514
19.510.1 General.....	514
19.510.2 <draw:frame>.....	514
19.510.3 <style:column>.....	514
19.510.4 <style:footnote-sep>.....	515
19.511 style:repeat.....	515
19.512 style:rft-language-tag.....	515
19.513 style:style.....	515
19.514 style:style-name.....	516
19.515 style:type.....	516
19.515.1 General.....	516
19.515.2 <text:index-entry-tab-stop>.....	516
19.515.3 <style:tab-stop>.....	516
19.516 style:vertical-align.....	517
19.517 style:volatile.....	517
19.518 style:width.....	517
19.518.1 General.....	517
19.518.2 <style:column-sep>.....	518
19.518.3 <style:footnote-sep>.....	518
19.519 svg:accent-height.....	518
19.520 svg:alphabetic.....	518
19.521 svg:ascent.....	518
19.522 svg:bbox.....	518
19.523 svg:cap-height.....	518
19.524 svg:cx.....	519
19.524.1 <draw:area-circle>.....	519
19.524.2 <draw:circle>.....	519
19.524.3 <draw:ellipse>.....	519
19.524.4 <svg:radialGradient>.....	519
19.525 svg:cy.....	519
19.525.1 <draw:area-circle>.....	519
19.525.2 <draw:circle>.....	520

19.525.3 <draw:ellipse>.....	520
19.525.4 <svg:radialGradient>.....	520
19.526 svg:d.....	520
19.527 svg:descent.....	520
19.528 svg:font-family.....	520
19.529 svg:font-size.....	521
19.530 svg:font-stretch.....	521
19.531 svg:font-style.....	521
19.532 svg:font-variant.....	521
19.533 svg:font-weight.....	521
19.534 svg:fx.....	521
19.535 svg:fy.....	522
19.536 svg:gradientTransform.....	522
19.537 svg:gradientUnits.....	522
19.538 svg:hanging.....	522
19.539 svg:height.....	522
19.539.1 <chart:chart>.....	522
19.539.2 <chart:plot-area>.....	523
19.539.3 <dr3d:scene>.....	523
19.539.4 <draw:area-polygon>.....	523
19.539.5 <draw:area-rectangle>.....	523
19.539.6 <draw:contour-polygon>, <draw:contour-path>.....	523
19.539.7 <draw:fill-image>.....	523
19.539.8 <draw:caption>, <draw:custom-shape>, <draw:circle>, <draw:control>, <draw:ellipse>, <draw:frame>, <draw:rect>, <draw:page-thumbnail>, <draw:path>, <draw:polygon>, <draw:polyline>, <draw:regular-polygon>.....	524
19.539.9 <office:annotation>.....	524
19.539.10 <presentation:placeholder>.....	524
19.540 svg:ideographic.....	524
19.541 svg:mathematical.....	524
19.542 svg:name.....	525
19.543 svg:offset.....	525
19.544 svg:origin.....	525
19.545 svg:overline-position.....	525
19.546 svg:overline-thickness.....	525
19.547 svg:panose-1.....	525
19.548 svg:path.....	526
19.549 svg:r.....	526

19.549.1 <draw:area-circle>	526
19.549.2 <draw:circle>	526
19.549.3 <svg:radialGradient>	526
19.550 svg:rx	526
19.551 svg:ry	527
19.552 svg:slope	527
19.553 svg:spreadMethod	527
19.554 svg:stemh	527
19.555 svg:stemv	528
19.556 svg:stop-color	528
19.557 svg:stop-opacity	528
19.558 svg:strikethrough-position	528
19.559 svg:strikethrough-thickness	528
19.560 svg:string	528
19.561 svg:type	529
19.562 svg:underline-position	529
19.563 svg:underline-thickness	529
19.564 svg:unicode-range	529
19.565 svg:units-per-em	529
19.566 svg:v-alphabetic	529
19.567 svg:v-hanging	530
19.568 svg:v-ideographic	530
19.569 svg:v-mathematical	530
19.570 svg:viewBox	530
19.571 svg:width	530
19.571.1 <chart:chart>	530
19.571.2 <chart:floor>	531
19.571.3 <chart:plot-area>	531
19.571.4 <chart:wall>	531
19.571.5 <dr3d:scene>	531
19.571.6 <draw:area-polygon>	531
19.571.7 <draw:area-rectangle>	531
19.571.8 <draw:contour-polygon>, <draw:contour-path>	532
19.571.9 <draw:fill-image>	532
19.571.10 <draw:caption>, <draw:custom-shape>, <draw:circle>, <draw:control>, <draw:ellipse>, <draw:frame>, <draw:rect>, <draw:page-thumbnail>, <draw:path>, <draw:polygon>, <draw:polyline>, <draw:regular-polygon>	532
19.571.11 <office:annotation>	532

19.571.12 <presentation:placeholder>.....	532
19.572 svg:widths.....	533
19.573 svg:x.....	533
19.573.1 <chart:data-label>, <chart:equation>, <chart:footer>, <chart:legend>, <chart:plot-area>, <chart:subtitle>, <chart:title>.....	533
19.573.2 <draw:area-polygon>.....	533
19.573.3 <draw:area-rectangle>.....	533
19.573.4 <dr3d:scene>.....	533
19.573.5 <draw:caption>, <draw:custom-shape>, <draw:circle>, <draw:control>, <draw:ellipse>, <draw:frame>, <draw:rect>, <draw:page-thumbnail>, <draw:path>, <draw:polygon>, <draw:polyline>, <draw:regular-polygon>.....	534
19.573.6 <draw:glue-point>.....	534
19.573.7 <office:annotation>.....	534
19.573.8 <presentation:placeholder>.....	534
19.574 svg:x1.....	534
19.574.1 <draw:connector>, <draw:line> and <draw:measure>.....	534
19.574.2 <svg:linearGradient>.....	535
19.575 svg:x2.....	535
19.575.1 <draw:connector>, <draw:line> and <draw:measure>.....	535
19.575.2 <svg:linearGradient>.....	535
19.576 svg:x-height.....	535
19.577 svg:y.....	536
19.577.1 <chart:data-label>, <chart:equation>, <chart:footer>, <chart:legend>, <chart:plot-area>, <chart:subtitle>, <chart:title>.....	536
19.577.2 <draw:area-polygon>.....	536
19.577.3 <draw:area-rectangle>.....	536
19.577.4 <dr3d:scene>.....	536
19.577.5 <draw:caption>, <draw:custom-shape>, <draw:circle>, <draw:control>, <draw:ellipse>, <draw:frame>, <draw:g>, <draw:rect>, <draw:page-thumbnail>, <draw:path>, <draw:polygon>, <draw:polyline>, <draw:regular-polygon>.....	536
19.577.6 <draw:glue-point>.....	537
19.577.7 <office:annotation>.....	537
19.577.8 <presentation:placeholder>.....	537
19.578 svg:y1.....	537
19.578.1 <draw:connector>, <draw:line> and <draw:measure>.....	537
19.578.2 <svg:linearGradient>.....	537
19.579 svg:y2.....	538
19.579.1 <draw:connector>, <draw:line> and <draw:measure>.....	538
19.579.2 <svg:linearGradient>.....	538

19.580 table:acceptance-state.....	538
19.581 table:algorithm.....	539
19.582 table:add-empty-lines.....	539
19.583 table:allow-empty-cell.....	539
19.584 table:application-data.....	539
19.585 table:automatic-find-labels.....	540
19.586 table:base-cell-address.....	540
19.587 table:bind-styles-to-content.....	540
19.588 table:border-color.....	541
19.589 table:buttons.....	541
19.590 table:case-sensitive.....	541
19.591 table:cell-address.....	541
19.592 table:cell-range.....	542
19.593 table:cell-range-address.....	542
19.593.1 General.....	542
19.593.2 <chart:categories>.....	542
19.593.3 <chart:domain> - bubble.....	542
19.593.4 <chart:domain>- scatter.....	542
19.593.5 <chart:domain> - surface.....	543
19.593.6 <chart:plot-area> (deprecated).....	543
19.593.7 <table:highlighted-range>.....	543
19.593.8 <table:named-range>.....	543
19.593.9 <table:source-cell-range>.....	544
19.594 table:column.....	544
19.595 table:comment.....	544
19.596 table:condition.....	544
19.597 table:condition-source.....	546
19.598 table:condition-source-range-address.....	546
19.599 table:contains-error.....	546
19.600 table:contains-header.....	546
19.601 table:content-validation-name.....	547
19.602 table:copy-back.....	547
19.603 table:copy-formulas.....	547
19.604 table:copy-styles.....	548
19.605 table:count.....	548
19.606 table:country.....	548
19.607 table:data-field.....	548

19.608 table:data-cell-range-address.....	548
19.609 table:database-name.....	549
19.610 table:database-table-name.....	549
19.611 table:data-type.....	549
19.611.1 General.....	549
19.611.2 <table:filter-condition>.....	549
19.611.3 <table:sort-by>.....	549
19.611.4 <table:sort-groups>.....	550
19.612 table:date-end.....	550
19.613 table:date-start.....	551
19.614 table:date-value.....	551
19.615 table:default-cell-style-name.....	551
19.616 table:direction.....	551
19.617 table:display.....	552
19.618 table:display-border.....	552
19.619 table:display-duplicates.....	552
19.620 table:display-filter-buttons.....	553
19.621 table:display-list.....	553
19.622 table:display-member-mode.....	553
19.623 table:drill-down-on-double-click.....	554
19.624 table:embedded-number-behavior.....	554
19.625 table:enabled.....	555
19.626 table:end.....	556
19.627 table:end-cell-address.....	556
19.628 table:end-column.....	556
19.629 table:end-position.....	556
19.630 table:end-row.....	557
19.631 table:end-table.....	557
19.632 table:end-x	557
19.633 table:end-y.....	557
19.634 table:execute.....	557
19.635 table:expression.....	558
19.636 table:field-name.....	558
19.637 table:field-number.....	558
19.638 table:filter-name.....	559
19.639 table:filter-options.....	559
19.640 table:first-row-end-column (deprecated).....	559

19.641 table:first-row-start-column (deprecated).....	559
19.642 table:formula.....	560
19.643 table:function.....	561
19.643.1 General.....	561
19.643.2 <table:consolidation>.....	561
19.643.3 <table:data-pilot-field>.....	561
19.643.4 <table:data-pilot-subtotal>.....	562
19.643.5 <table:subtotal-field>.....	562
19.644 table:grand-total.....	562
19.645 table:group-by-field-number.....	563
19.646 table:grouped-by.....	563
19.647 table:has-persistent-data.....	563
19.648 table:id.....	564
19.649 table:identify-categories.....	564
19.650 table:ignore-empty-rows.....	564
19.651 table:index.....	565
19.652 table:is-active.....	565
19.653 table:is-data-layout-field.....	565
19.654 table:is-selection.....	565
19.655 table:is-sub-table.....	566
19.656 table:label-cell-range-address.....	566
19.657 table:language.....	566
19.658 table:last-column-spanned.....	566
19.659 table:last-row-end-column (deprecated).....	567
19.660 table:last-row-spanned.....	567
19.661 table:last-row-start-column (deprecated).....	567
19.662 table:layout-mode.....	567
19.663 table:link-to-source-data.....	568
19.664 table:marked-invalid.....	568
19.665 table:matrix-covered.....	568
19.666 table:maximum-difference.....	569
19.667 table:member-count.....	569
19.668 table:member-name.....	569
19.669 table:member-type.....	569
19.670 table:message-type.....	570
19.671 table:mode.....	570
19.672 table:multi-deletion-spanned.....	570

19.673 table:name.....	571
19.673.1 General.....	571
19.673.2 <table:cell-range-source>.....	571
19.673.3 <table:content-validation>.....	571
19.673.4 <table:data-pilot-group>.....	571
19.673.5 <table:data-pilot-group-member>.....	571
19.673.6 <table:data-pilot-member>.....	571
19.673.7 <table:data-pilot-table>.....	572
19.673.8 <table:database-range>.....	572
19.673.9 <table:named-expression>.....	572
19.673.10 <table:named-range>.....	572
19.673.11 <table:operation>.....	572
19.673.12 <table:source-service>.....	573
19.673.13 <table:table>.....	573
19.673.14 <table:table-template>.....	573
19.674 table:null-year.....	573
19.675 table:number-columns-repeated.....	574
19.675.1 General.....	574
19.675.2 <table:covered-table-cell>.....	574
19.675.3 <table:table-cell>.....	574
19.675.4 <table:table-column>.....	574
19.676 table:number-columns-spanned.....	575
19.677 table:number-rows-repeated.....	575
19.678 table:number-rows-spanned.....	575
19.679 table:number-matrix-columns-spanned.....	575
19.680 table:number-matrix-rows-spanned.....	576
19.681 table:object-name.....	576
19.682 table:on-update-keep-size.....	576
19.683 table:on-update-keep-styles.....	576
19.684 table:operator.....	577
19.685 table:order.....	578
19.686 table:orientation.....	578
19.686.1 General.....	578
19.686.2 <table:data-pilot-field>.....	578
19.686.3 <table:database-range>.....	579
19.686.4 <table:label-range>.....	579
19.687 table:page-breaks-on-group-change.....	579

19.688 table:paragraph-style-name.....	579
19.689 table:parse-sql-statement.....	580
19.690 table:password.....	580
19.691 table:position.....	580
19.692 table:precision-as-shown.....	581
19.693 table:print.....	581
19.694 table:print-ranges.....	581
19.695 table:protect (deprecated)	581
19.696 table:protected.....	582
19.696.1 General.....	582
19.696.2 <table:covered-table-cell>	582
19.696.3 <table:scenario>	582
19.696.4 <table:table>.....	583
19.696.5 <table:table-cell>	583
19.697 table:protection-key.....	583
19.698 table:protection-key-digest-algorithm.....	583
19.699 table:query-name.....	584
19.700 table:range-usable-as.....	584
19.701 table:refresh-delay.....	584
19.702 table:rejecting-change-id.....	585
19.703 table:rfc-language-tag.....	585
19.704 table:row.....	585
19.705 table:scenario-ranges.....	586
19.706 table:script.....	586
19.707 table:search-criteria-must-apply-to-whole-cell.....	586
19.708 table:selected-page.....	586
19.709 table:show-details.....	587
19.710 table:show-empty.....	587
19.711 table:show-filter-button.....	587
19.712 table:sort-mode.....	588
19.713 table:source-cell-range-addresses.....	588
19.714 table:source-field-name.....	588
19.715 table:source-name.....	588
19.716 table:sql-statement.....	589
19.717 table:start.....	589
19.718 table:start-column.....	589
19.719 table:start-position.....	589

19.720 table:start-row.....	589
19.721 table:start-table.....	590
19.722 table:status.....	590
19.723 table:step.....	590
19.724 table:steps.....	590
19.725 table:structure-protected.....	590
19.726 table:style-name.....	591
19.726.1 General.....	591
19.726.2 <table:background>.....	591
19.726.3 <table:body>.....	591
19.726.4 <table:covered-table-cell>.....	591
19.726.5 <table:even-columns>.....	592
19.726.6 <table:even-rows>.....	592
19.726.7 <table:first-column>.....	592
19.726.8 <table:first-row>.....	592
19.726.9 <table:last-column>.....	592
19.726.10 <table:last-row>.....	592
19.726.11 <table:odd-columns>.....	593
19.726.12 <table:odd-rows>.....	593
19.726.13 <table:table-cell>.....	593
19.726.14 <table:table-column>.....	593
19.726.15 <table:table-row>.....	593
19.726.16 <table:table>.....	593
19.727 table:table.....	594
19.728 table:table-background.....	594
19.729 table:table-name.....	594
19.730 table:target-cell-address.....	594
19.731 table:target-range-address.....	595
19.731.1 General.....	595
19.731.2 <table:data-pilot-table>.....	595
19.731.3 <table:database-range>.....	595
19.731.4 <table:filter>.....	595
19.731.5 <table:sort>.....	595
19.732 table:template-name.....	595
19.733 table:title.....	596
19.734 table:track-changes.....	596
19.735 table:type.....	596

19.735.1 General.....	596
19.735.2 <table:data-pilot-field-reference>	596
19.735.3 <table:deletion>	597
19.735.4 <table:insertion>	597
19.736 table:use-banding-columns-styles.....	598
19.737 table:use-banding-rows-styles.....	598
19.738 table:use-first-column-styles.....	598
19.739 table:use-first-row-styles.....	599
19.740 table:use-last-column-styles.....	599
19.741 table:use-last-row-styles.....	599
19.742 table:use-labels.....	600
19.743 table:use-regular-expressions.....	600
19.744 table:use-wildcards.....	600
19.745 table:used-hierarchy.....	601
19.746 table:user-name.....	601
19.747 table:value.....	601
19.747.1 <table:filter-condition>.....	601
19.747.2 <table:filter-set-item>	602
19.748 table:value-type.....	602
19.749 table:visibility.....	602
19.750 text:active.....	602
19.751 text:address.....	603
19.752 text:alphabetical-separators.....	603
19.753 text:anchor-page-number.....	603
19.754 text:anchor-type.....	604
19.755 text:annotate.....	605
19.756 text:author.....	605
19.757 text:bibliography-data-field.....	605
19.758 text:bibliography-type.....	606
19.759 text:booktitle.....	607
19.760 text:bullet-char.....	608
19.761 text:bullet-relative-size.....	608
19.762 text:capitalize-entries.....	608
19.763 text:c.....	609
19.764 text:caption-sequence-format.....	609
19.765 text:caption-sequence-name.....	609
19.766 text:change-id.....	609

19.767 text:chapter.....	610
19.768 text:citation-body-style-name.....	610
19.769 text:citation-style-name.....	610
19.770 text:class-names.....	610
19.770.1 General.....	610
19.770.2 <text:h>.....	610
19.770.3 <text:p>.....	611
19.770.4 <text:span>.....	611
19.771 text:column-name.....	611
19.772 text:combine-entries.....	611
19.773 text:combine-entries-with-dash.....	611
19.774 text:combine-entries-with-pp.....	612
19.775 text:comma-separated.....	612
19.776 text:cond-style-name.....	613
19.777 text:condition.....	613
19.777.1 General.....	613
19.777.2 <text:conditional-text>.....	613
19.777.3 <text:database-next>.....	613
19.777.4 <text:database-row-select>.....	613
19.777.5 <text:hidden-paragraph>.....	614
19.777.6 <text:hidden-text>.....	614
19.777.7 <text:section>.....	614
19.778 text:connection-name.....	614
19.779 text:consecutive-numbering.....	614
19.780 text:continue-list.....	615
19.781 text:continue-numbering.....	615
19.782 text:copy-outline-levels.....	615
19.783 text:count-empty-lines.....	616
19.784 text:count-in-text-boxes.....	616
19.785 text:current-value.....	616
19.786 text:custom1.....	616
19.787 text:custom2.....	617
19.788 text:custom3.....	617
19.789 text:custom4.....	617
19.790 text:custom5.....	617
19.791 text:database-name.....	617
19.792 text:date-adjust.....	617

19.793 text:date-value.....	618
19.794 text:default-style-name.....	618
19.795 text:description.....	618
19.796 text:display.....	618
19.796.1 General.....	618
19.796.2 <text:chapter>.....	618
19.796.3 <text:expression>.....	619
19.796.4 <text:file-name>.....	619
19.796.5 <text:index-entry-chapter>.....	620
19.796.6 <text:section>.....	620
19.796.7 <text:table-formula>.....	620
19.796.8 <text:template-name>.....	621
19.796.9 <text:user-field-get>.....	621
19.796.10 <text:variable-get>.....	621
19.796.11 <text:variable-input>.....	622
19.796.12 <text:variable-set>.....	622
19.797 text:display-levels.....	622
19.798 text:display-outline-level.....	622
19.799 text:duration.....	623
19.800 text:edition.....	623
19.801 text:editor.....	623
19.802 text:filter-name.....	623
19.803 text:fixed.....	623
19.804 text:footnotes-position.....	624
19.805 text:formula.....	624
19.806 text:global (deprecated).....	624
19.807 text:howpublished.....	625
19.808 text:increment.....	625
19.809 text:id.....	625
19.809.1 General.....	625
19.809.2 <draw:text-box>.....	625
19.809.3 <text:alphabetical-index-mark-end>.....	626
19.809.4 <text:alphabetical-index-mark-start>.....	626
19.809.5 <text:changed-region>.....	626
19.809.6 <text:h>.....	626
19.809.7 <text:note>.....	627
19.809.8 <text:p>.....	627

19.809.9 <text:toc-mark-end>.....	627
19.809.10 <text:toc-mark-start>.....	627
19.809.11 <text:user-index-mark-end>.....	628
19.809.12 <text:user-index-mark-start>.....	628
19.810 text:identifier.....	628
19.811 text:index-name.....	628
19.812 text:index-scope.....	628
19.813 text:ignore-case.....	629
19.814 text:institution.....	629
19.815 text:is-hidden.....	629
19.816 text:is-list-header.....	630
19.817 text:isbn.....	630
19.818 text:issn.....	630
19.819 text:journal.....	630
19.820 text:key.....	631
19.821 text:key1.....	632
19.822 text:key2.....	632
19.823 text:key1-phonetic.....	632
19.824 text:key2-phonetic.....	632
19.825 text:kind.....	633
19.826 text:label.....	633
19.827 text:label-followed-by.....	633
19.828 text:level.....	633
19.829 text:list-id.....	634
19.830 text:list-tab-stop-position.....	634
19.831 text:main-entry.....	635
19.832 text:main-entry-style-name.....	635
19.833 text:master-page-name.....	635
19.834 text:month.....	635
19.835 text:name.....	636
19.835.1 General.....	636
19.835.2 <text:alphabetical-index>.....	636
19.835.3 <text:bibliography>.....	636
19.835.4 <text:bookmark>.....	636
19.835.5 <text:bookmark-end>.....	636
19.835.6 <text:bookmark-start>.....	636
19.835.7 <text:execute-macro>.....	636

19.835.8 <text:illustration-index>	637
19.835.9 <text:index-title>	637
19.835.10 <text:object-index>	637
19.835.11 <text:reference-mark>	637
19.835.12 <text:reference-mark-end>	637
19.835.13 <text:reference-mark-start>	637
19.835.14 <text:section>	638
19.835.15 <text:sequence>	638
19.835.16 <text:sequence-decl>	638
19.835.17 <text:table-of-content>	638
19.835.18 <text:table-index>	638
19.835.19 <text:user-defined>	638
19.835.20 <text:user-field-decl>	639
19.835.21 <text:user-field-get>	639
19.835.22 <text:user-field-input>	639
19.835.23 <text:user-index>	639
19.835.24 <text:variable-set>	639
19.835.25 <text:variable-decl>	639
19.835.26 <text:variable-get>	640
19.835.27 <text:variable-input>	640
19.836 text:note	640
19.837 text:note-class	640
19.838 text:number	640
19.839 text:number-lines	640
19.840 text:number-position	641
19.841 text:numbered-entries	641
19.842 text:offset	641
19.843 text:organizations	642
19.844 text:outline-level	642
19.844.1 General	642
19.844.2 <text:alphabetical-index-entry-template>	642
19.844.3 <text:chapter>	642
19.844.4 <text:h>	643
19.844.5 <text:index-entry-chapter>	643
19.844.6 <text:index-source-styles>	643
19.844.7 <text:user-index-mark>	643
19.844.8 <text:table-of-content-entry-template>	643

19.844.9 <text:table-of-content-source>	643
19.844.10 <text:toc-mark>.....	644
19.844.11 <text:toc-mark-start>	644
19.844.12 <text:user-index-entry-template>.....	644
19.844.13 <text:user-index-mark-start>.....	644
19.845 text:page-adjust.....	644
19.845.1 General.....	644
19.845.2 <text:page-number>.....	644
19.845.3 <text:page-variable-set>.....	645
19.846 text:pages.....	645
19.847 text:placeholder-type.....	645
19.848 text:prefix.....	645
19.849 text:protected.....	646
19.850 text:protection-key.....	646
19.851 text:protection-key-digest-algorithm.....	646
19.852 text:publisher.....	647
19.853 text:ref-name.....	647
19.853.1 General.....	647
19.853.2 <text:bookmark-ref>.....	647
19.853.3 <text:note-ref>.....	647
19.853.4 <text:reference-ref>.....	647
19.853.5 <text:sequence>.....	648
19.853.6 <text:sequence-ref>.....	648
19.854 text:reference-format.....	648
19.855 text:relative-tab-stop-position.....	649
19.856 text:report-type.....	650
19.857 text:restart-numbering.....	650
19.858 text:restart-on-page.....	650
19.859 text:row-number.....	650
19.860 text:school.....	651
19.861 text:section-name.....	651
19.862 text:series.....	651
19.863 text:select-page.....	651
19.863.1 General.....	651
19.863.2 <text:page-continuation>.....	651
19.863.3 <text:page-number>.....	652
19.864 text:separation-character.....	652

19.865 text:sort-algorithm.....	652
19.866 text:sort-ascending.....	653
19.867 text:sort-by-position.....	653
19.868 text:start-value.....	653
19.868.1 General.....	653
19.868.2 <text:h>.....	653
19.868.3 <text:list-item>.....	654
19.868.4 <text:list-level-style-number>.....	654
19.868.5 <text:notes-configuration>.....	654
19.868.6 <text:numbered-paragraph>.....	654
19.868.7 <text:outline-level-style>.....	654
19.869 text:start-numbering-at.....	655
19.870 text:string-value-phonetic.....	655
19.871 text:string-value.....	655
19.871.1 General.....	655
19.871.2 <text:alphabetical-index-mark>.....	655
19.871.3 <text:hidden-text>.....	655
19.871.4 <text:page-continuation>.....	656
19.871.5 <text:toc-mark>.....	656
19.871.6 <text:user-index-mark>.....	656
19.872 text:string-value-if-false.....	656
19.873 text:string-value-if-true.....	656
19.874 text:style-name.....	657
19.874.1 General.....	657
19.874.2 <text:a>.....	657
19.874.3 <text:alphabetical-index>.....	657
19.874.4 <text:alphabetical-index-entry-template>.....	657
19.874.5 <text:bibliography>.....	657
19.874.6 <text:bibliography-entry-template>.....	657
19.874.7 <text:h>.....	658
19.874.8 <text:illustration-index>.....	658
19.874.9 <text:illustration-index-entry-template>.....	658
19.874.10 <text:index-entry-bibliography>.....	658
19.874.11 <text:index-entry-chapter>.....	658
19.874.12 <text:index-entry-link-end>.....	658
19.874.13 <text:index-entry-link-start>.....	659
19.874.14 <text:index-entry-page-number>.....	659

19.874.15 <text:index-entry-span>.....	659
19.874.16 <text:index-entry-tab-stop>.....	659
19.874.17 <text:index-entry-text>.....	659
19.874.18 <text:index-source-style>.....	659
19.874.19 <text:index-title>.....	660
19.874.20 <text:index-title-template>.....	660
19.874.21 <text:linenumbering-configuration>.....	660
19.874.22 <text:list>.....	660
19.874.23 <text:list-level-style-number>.....	660
19.874.24 <text:list-level-style-bullet>.....	661
19.874.25 <text:numbered-paragraph>.....	661
19.874.26 <text:object-index>.....	661
19.874.27 <text:object-index-entry-template>.....	661
19.874.28 <text:outline-level-style>.....	662
19.874.29 <text:p>.....	662
19.874.30 <text:ruby>.....	662
19.874.31 <text:ruby-text>.....	662
19.874.32 <text:section>.....	662
19.874.33 <text:span>.....	662
19.874.34 <text:table-index-entry-template>.....	663
19.874.35 <text:table-of-content>.....	663
19.874.36 <text:table-of-content-entry-template>.....	663
19.874.37 <text:table-index>.....	663
19.874.38 <text:user-index>.....	663
19.874.39 <text:user-index-entry-template>.....	664
19.875 text:style-override.....	664
19.876 text:suffix.....	664
19.877 text:tab-ref.....	664
19.878 text:table-name.....	664
19.879 text:table-type.....	665
19.880 text:time-adjust.....	665
19.881 text:time-value.....	665
19.882 text:title.....	665
19.883 text:track-changes.....	665
19.884 text:url.....	666
19.885 text:use-caption.....	666
19.886 text:use-chart-objects.....	666

19.887 text:use-draw-objects.....	667
19.888 text:use-floating-frames.....	667
19.889 text:use-graphics.....	667
19.890 text:use-index-marks.....	668
19.891 text:use-index-source-styles.....	668
19.892 text:use-keys-as-entries.....	668
19.893 text:use-math-objects.....	669
19.894 text:use-objects.....	669
19.895 text:use-other-objects.....	669
19.896 text:use-outline-level.....	670
19.897 text:use-soft-page-breaks.....	670
19.898 text:use-spreadsheet-objects.....	671
19.899 text:use-tables.....	671
19.900 text:value.....	671
19.901 text:visited-style-name.....	672
19.902 text:volume.....	672
19.903 text:year.....	672
19.904 xforms:bind.....	672
19.905 xhtml:about.....	673
19.906 xhtml:content.....	673
19.907 xhtml:datatype.....	673
19.908 xhtml:property.....	674
19.909 xlink:actuate.....	674
19.910 xlink:href.....	675
19.910.1 General.....	675
19.910.2 <anim:audio>.....	675
19.910.3 <chart:chart>.....	675
19.910.4 <chart:symbol-image>.....	675
19.910.5 <db:component>.....	675
19.910.6 <db:connection-resource>.....	676
19.910.7 <db:file-based-database>.....	676
19.910.8 <draw:a>.....	676
19.910.9 <draw:applet>.....	676
19.910.10 <draw:area-circle>.....	676
19.910.11 <draw:area-polygon>.....	676
19.910.12 <draw:area-rectangle>.....	677
19.910.13 <draw:fill-image>.....	677

19.910.14 <draw:floating-frame>	677
19.910.15 <draw:image>	677
19.910.16 <draw:object>	677
19.910.17 <draw:object-ole>	677
19.910.18 <draw:plugin>	678
19.910.19 <form:button>	678
19.910.20 <form:connection-resource>	678
19.910.21 <form:image>	678
19.910.22 <form:form>	678
19.910.23 <meta:auto-reload>	678
19.910.24 <meta:template>	678
19.910.25 <presentation:event-listener>	679
19.910.26 <presentation:sound>	679
19.910.27 <script:event-listener>	679
19.910.28 <style:background-image>	679
19.910.29 <svg:definition-src>	679
19.910.30 <svg:font-face-uri>	679
19.910.31 <table:cell-range-source>	680
19.910.32 <table:table-source>	680
19.910.33 <text:a>	680
19.910.34 <text:alphabetical-index-auto-mark-file>	680
19.910.35 <text:list-level-style-image>	680
19.910.36 <text:script>	680
19.910.37 <text:section-source>	681
19.911 xlink:show	681
19.912 xlink:title	681
19.913 xlink:type	682
19.914 xml:id	682
20 Formatting Attributes	684
20.1 General	684
20.2 chart:angle-offset	684
20.3 chart:auto-position	684
20.4 chart:auto-size	684
20.5 chart:axis-label-position	685
20.6 chart:axis-position	685
20.7 chart:connect-bars	686
20.8 chart:data-label-number	686

20.9 chart:data-label-symbol.....	687
20.10 chart:data-label-text.....	687
20.11 chart:deep.....	687
20.12 chart:display-label.....	688
20.13 chart:error-category.....	688
20.14 chart:error-lower-indicator.....	689
20.15 chart:error-lower-limit.....	689
20.16 chart:error-lower-range.....	689
20.17 chart:error-margin.....	689
20.18 chart:error-percentage.....	690
20.19 chart:error-upper-indicator.....	690
20.20 chart:error-upper-limit.....	690
20.21 chart:error-upper-range.....	690
20.22 chart:gap-width.....	691
20.23 chart:group-bars-per-axis.....	691
20.24 chart:hole-size.....	691
20.25 chart:include-hidden-cells.....	691
20.26 chart:interpolation.....	692
20.27 chart:interval-major.....	694
20.28 chart:interval-minor-divisor.....	694
20.29 chart:japanese-candle-stick.....	695
20.30 chart:label-arrangement.....	695
20.31 chart:label-position.....	695
20.32 chart:label-position-negative.....	696
20.33 chart:lines (deprecated).....	697
20.34 chart:link-data-style-to-source.....	697
20.35 chart:logarithmic.....	698
20.36 chart:maximum.....	698
20.37 chart:mean-value.....	698
20.38 chart:minimum.....	699
20.39 chart:origin.....	699
20.40 chart:overlap.....	699
20.41 chart:pie-offset.....	699
20.42 chart:percentage.....	700
20.43 chart:regression-type.....	700
20.44 chart:reverse-direction.....	701
20.45 chart:right-angled-axes.....	701

20.46 chart:scale-text.....	701
20.47 chart:series-source (deprecated).....	702
20.48 chart:sort-by-x-values.....	702
20.49 chart:solid-type.....	702
20.50 chart:spline-order.....	703
20.51 chart:spline-resolution.....	703
20.52 chart:stacked.....	703
20.53 chart:symbol-height.....	704
20.54 chart:symbol-name.....	704
20.55 chart:symbol-type.....	704
20.56 chart:symbol-width.....	705
20.57 chart:text-overlap.....	705
20.58 chart:three-dimensional.....	705
20.59 chart:tick-marks-major-inner.....	706
20.60 chart:tick-marks-major-outer.....	706
20.61 chart:tick-marks-minor-inner.....	706
20.62 chart:tick-marks-minor-outer.....	707
20.63 chart:tick-mark-position.....	707
20.64 chart:treat-empty-cells.....	708
20.65 chart:vertical.....	708
20.66 chart:visible.....	708
20.67 dr3d:ambient-color.....	709
20.68 dr3d:back-scale.....	709
20.69 dr3d:backface-culling.....	709
20.70 dr3d:close-back.....	709
20.71 dr3d:close-front.....	710
20.72 dr3d:depth.....	710
20.73 dr3d:diffuse-color.....	710
20.74 dr3d:edge-rounding.....	710
20.75 dr3d:edge-rounding-mode.....	710
20.76 dr3d:emissive-color.....	711
20.77 dr3d:end-angle.....	711
20.78 dr3d:horizontal-segments.....	711
20.79 dr3d:lighting-mode.....	712
20.80 dr3d:normals-direction.....	712
20.81 dr3d:normals-kind.....	712
20.82 dr3d:shadow.....	713

20.83 dr3d:shininess.....	713
20.84 dr3d:specular-color.....	713
20.85 dr3d:texture-filter.....	713
20.86 dr3d:texture-kind.....	713
20.87 dr3d:texture-mode.....	714
20.88 dr3d:texture-generation-mode-x.....	714
20.89 dr3d:texture-generation-mode-y.....	714
20.90 dr3d:vertical-segments.....	715
20.91 draw:auto-grow-height.....	715
20.92 draw:auto-grow-width.....	715
20.93 draw:background-size.....	716
20.94 draw:blue.....	716
20.95 draw:caption-angle.....	716
20.96 draw:caption-angle-type.....	717
20.97 draw:caption-escape.....	717
20.98 draw:caption-escape-direction.....	717
20.99 draw:caption-fit-line-length.....	717
20.100 draw:caption-gap.....	718
20.101 draw:caption-line-length.....	718
20.102 draw:caption-type.....	718
20.103 draw:color-inversion.....	718
20.104 draw:color-mode.....	719
20.105 draw:contrast.....	719
20.106 draw:decimal-places.....	719
20.107 draw:draw-aspect.....	720
20.108 draw:end-guide.....	720
20.109 draw:end-line-spacing-horizontal.....	720
20.110 draw:end-line-spacing-vertical.....	720
20.111 draw:fill.....	721
20.112 draw:fill-color.....	721
20.113 draw:fill-gradient-name.....	721
20.114 draw:fill-hatch-name.....	721
20.115 draw:fill-hatch-solid.....	722
20.116 draw:fill-image-height.....	722
20.117 draw:fill-image-name.....	722
20.118 draw:fill-image-ref-point.....	722
20.119 draw:fill-image-ref-point-x.....	723

20.120 draw:fill-image-ref-point-y.....	723
20.121 draw:fill-image-width.....	723
20.122 draw:fit-to-contour.....	724
20.123 draw:fit-to-size.....	724
20.124 draw:frame-display-border.....	724
20.125 draw:frame-margin-horizontal.....	725
20.126 draw:frame-display-scrollbar.....	725
20.127 draw:frame-margin-vertical.....	725
20.128 draw:gamma.....	725
20.129 draw:green.....	726
20.130 draw:gradient-step-count.....	726
20.131 draw:guide-distance.....	726
20.132 draw:guide-overhang.....	726
20.133 draw:image-opacity.....	726
20.134 draw:line-distance.....	727
20.135 draw:luminance.....	727
20.136 draw:marker-end.....	727
20.137 draw:marker-end-center.....	727
20.138 draw:marker-end-width.....	727
20.139 draw:marker-start.....	728
20.140 draw:marker-start-center.....	728
20.141 draw:marker-start-width.....	728
20.142 draw:measure-align.....	728
20.143 draw:measure-vertical-align.....	729
20.144 draw:ole-draw-aspect (deprecated)	729
20.145 draw:opacity.....	729
20.146 draw:opacity-name.....	730
20.147 draw:parallel.....	730
20.148 draw:placing.....	730
20.149 draw:red.....	730
20.150 draw:secondary-fill-color.....	731
20.151 draw:shadow.....	731
20.152 draw:shadow-color.....	731
20.153 draw:shadow-offset-x.....	731
20.154 draw:shadow-offset-y.....	732
20.155 draw:shadow-opacity.....	732
20.156 draw:show-unit.....	732

20.157 draw:start-guide.....	732
20.158 draw:start-line-spacing-horizontal.....	732
20.159 draw:start-line-spacing-vertical.....	733
20.160 draw:stroke.....	733
20.161 draw:stroke-dash.....	733
20.162 draw:stroke-dash-names.....	733
20.163 draw:stroke-linejoin.....	734
20.164 svg:stroke-linecap.....	734
20.165 draw:symbol-color.....	734
20.166 draw:textarea-horizontal-align.....	734
20.167 draw:textarea-vertical-align.....	735
20.168 draw:tile-repeat-offset.....	735
20.169 draw:visible-area-height.....	736
20.170 draw:visible-area-left.....	736
20.171 draw:visible-area-top.....	736
20.172 draw:visible-area-width.....	737
20.173 draw:unit.....	737
20.174 draw:wrap-influence-on-position.....	737
20.175 fo:background-color.....	739
20.176 fo Border Properties.....	739
20.176.1 General.....	739
20.176.2 fo:border.....	739
20.176.3 fo:border-bottom.....	740
20.176.4 fo:border-left.....	740
20.176.5 fo:border-right.....	740
20.176.6 fo:border-top.....	740
20.177 fo:break-after.....	740
20.178 fo:break-before.....	741
20.179 fo:clip.....	741
20.180 fo:color.....	741
20.181 fo:country.....	741
20.182 fo:font-family.....	742
20.183 fo:font-size.....	742
20.184 fo:font-style.....	742
20.185 fo:font-variant.....	743
20.186 fo:font-weight.....	743
20.187 fo:height.....	743

20.188 fo:hyphenate.....	743
20.189 fo:hyphenation-keep.....	744
20.190 fo:hyphenation-ladder-count.....	744
20.191 fo:hyphenation-push-char-count.....	744
20.192 fo:hyphenation-remain-char-count.....	744
20.193 fo:keep-together.....	744
20.194 fo:keep-with-next.....	745
20.195 fo:language.....	745
20.196 fo:letter-spacing.....	745
20.197 fo:line-height.....	745
20.198 fo:margin.....	746
20.199 fo:margin-bottom.....	746
20.200 fo:margin-left.....	746
20.201 fo:margin-right.....	747
20.202 fo:margin-top.....	747
20.203 fo:max-height.....	747
20.204 fo:max-width.....	748
20.205 fo:min-height.....	748
20.205.1 <style:graphic-properties>.....	748
20.205.2 <style:header-footer-properties>.....	748
20.206 fo:min-width.....	748
20.207 fo:orphans.....	748
20.208 fo:page-height.....	749
20.209 fo:page-width.....	749
20.210 fo:padding.....	749
20.211 fo:padding-bottom.....	749
20.212 fo:padding-left.....	749
20.213 fo:padding-right.....	750
20.214 fo:padding-top.....	750
20.215 fo:script.....	750
20.216 fo:text-align.....	750
20.216.1 <style:paragraph-properties>.....	751
20.216.2 <style:list-level-properties>.....	751
20.217 fo:text-align-last.....	751
20.218 fo:text-indent.....	752
20.219 fo:text-shadow.....	752
20.220 fo:text-transform.....	752

20.221 fo:widows.....	752
20.222 fo:width.....	753
20.223 fo:wrap-option.....	753
20.224 presentation:background-objects-visible.....	753
20.225 presentation:background-visible.....	753
20.226 presentation:display-date-time.....	754
20.227 presentation:display-footer.....	754
20.228 presentation:display-header.....	754
20.229 presentation:display-page-number.....	755
20.230 presentation:duration.....	755
20.231 presentation:transition-speed.....	755
20.232 presentation:transition-style.....	756
20.233 presentation:transition-type.....	759
20.234 presentation:visibility.....	759
20.235 smil:direction.....	760
20.236 smil:fadeColor.....	760
20.237 smil:subtype.....	760
20.238 smil:type.....	760
20.239 style:auto-text-indent.....	760
20.240 style:background-transparency.....	761
20.241 style:border-line-width.....	761
20.242 style:border-line-width-bottom.....	761
20.243 style:border-line-width-left.....	762
20.244 style:border-line-width-right.....	762
20.245 style:border-line-width-top.....	762
20.246 style:cell-protect.....	763
20.247 style:column-width.....	763
20.248 style:country-asian.....	763
20.249 style:country-complex.....	764
20.250 style:decimal-places.....	764
20.251 style:diagonal-bl-tr.....	764
20.252 style:diagonal-bl-tr-widths.....	764
20.253 style:diagonal-tl-br.....	765
20.254 style:diagonal-tl-br-widths.....	765
20.255 style:direction.....	765
20.256 style:dynamic-spacing.....	765
20.257 style:editable.....	766

20.258 style:first-page-number.....	766
20.259 style:flow-with-text.....	766
20.260 style:font-charset.....	767
20.261 style:font-charset-asian.....	767
20.262 style:font-charset-complex.....	768
20.263 style:font-family-asian.....	768
20.264 style:font-family-complex.....	769
20.265 style:font-family-generic.....	769
20.266 style:font-family-generic-asian.....	770
20.267 style:font-family-generic-complex.....	770
20.268 style:font-independent-line-spacing.....	771
20.269 style:font-name.....	771
20.270 style:font-name-asian.....	771
20.271 style:font-name-complex.....	771
20.272 style:font-pitch.....	772
20.273 style:font-pitch-asian.....	772
20.274 style:font-pitch-complex.....	772
20.275 style:font-relief.....	773
20.276 style:font-size-asian.....	773
20.277 style:font-size-complex.....	773
20.278 style:font-size-rel.....	774
20.279 style:font-size-rel-asian.....	774
20.280 style:font-size-rel-complex.....	774
20.281 style:font-style-asian.....	775
20.282 style:font-style-complex.....	775
20.283 style:font-style-name.....	775
20.284 style:font-style-name-asian.....	776
20.285 style:font-style-name-complex.....	776
20.286 style:font-weight-asian.....	776
20.287 style:font-weight-complex.....	776
20.288 style:footnote-max-height.....	777
20.289 style:glyph-orientation-vertical.....	777
20.290 style:horizontal-pos.....	777
20.291 style:horizontal-rel.....	779
20.292 style:join-border.....	780
20.293 style:justify-single-word.....	781
20.294 style:language-asian.....	781

20.295 style:language-complex.....	781
20.296 style:layout-grid-base-height.....	781
20.297 style:layout-grid-base-width.....	782
20.298 style:layout-grid-color.....	782
20.299 style:layout-grid-display.....	782
20.300 style:layout-grid-lines.....	782
20.301 style:layout-grid-mode.....	782
20.302 style:layout-grid-print.....	783
20.303 style:layout-grid-ruby-below.....	783
20.304 style:layout-grid-ruby-height.....	783
20.305 style:layout-grid-snap-to.....	784
20.306 style:layout-grid-standard-mode.....	784
20.307 style:line-break.....	785
20.308 style:letter-kerning.....	785
20.309 style:line-height-at-least.....	785
20.310 style:line-spacing.....	785
20.311 style:may-break-between-rows.....	786
20.312 style:min-row-height.....	786
20.313 style:mirror.....	786
20.314 style:num-format.....	786
20.315 style:num-letter-sync.....	787
20.316 style:num-prefix.....	787
20.317 style:num-suffix.....	788
20.318 style:number-wrapped-paragraphs.....	788
20.319 style:overflow-behavior.....	788
20.320 style:page-number.....	789
20.321 style:paper-tray-name.....	789
20.322 style:print.....	789
20.323 style:print-content.....	790
20.323.1 General.....	790
20.323.2 <style:graphic-properties>.....	790
20.323.3 <style:table-cell-properties>.....	790
20.324 style:print-page-order.....	790
20.325 style:print-orientation.....	791
20.326 style:protect.....	791
20.326.1 General.....	791
20.326.2 <style:graphic-properties>.....	791

20.326.3 <style:section-properties>.....	791
20.327 style:punctuation-wrap.....	792
20.328 style:register-true.....	792
20.329 style:register-truth-ref-style-name.....	792
20.330 style:rel-column-width.....	793
20.331 style:rel-height.....	793
20.332 style:rel-width.....	793
20.332.1 <style:graphic-properties>.....	793
20.332.2 <style:table-properties>.....	794
20.333 style:repeat.....	794
20.334 style:repeat-content.....	794
20.335 style:rfc-language-tag.....	795
20.336 style:rfc-language-tag-asian.....	795
20.337 style:rfc-language-tag-complex.....	795
20.338 style:rotation-align.....	796
20.339 style:rotation-angle.....	796
20.340 style:row-height.....	796
20.341 style:ruby-align.....	797
20.342 style:ruby-position.....	797
20.343 style:run-through.....	798
20.344 style:scale-to.....	798
20.345 style:scale-to-pages.....	798
20.346 style:script-asian.....	798
20.347 style:script-complex.....	799
20.348 style:script-type.....	799
20.349 style:shadow.....	800
20.350 style:shrink-to-fit.....	800
20.351 style:snap-to-layout-grid.....	801
20.352 style:tab-stop-distance.....	801
20.353 style:table-centering.....	801
20.354 style:text-align-source.....	802
20.355 style:text-autospace.....	802
20.356 style:text-blinking.....	802
20.357 style:text-combine.....	802
20.358 style:text-combine-start-char.....	803
20.359 style:text-combine-end-char.....	803
20.360 style:text-emphasize.....	803

20.361 style:text-line-through-color.....	804
20.362 style:text-line-through-mode.....	804
20.363 style:text-line-through-style.....	804
20.364 style:text-line-through-text.....	805
20.365 style:text-line-through-text-style.....	805
20.366 style:text-line-through-type.....	805
20.367 style:text-line-through-width.....	806
20.368 style:text-outline.....	806
20.369 style:text-underline-color.....	807
20.370 style:text-underline-mode.....	807
20.371 style:text-underline-style.....	807
20.372 style:text-underline-type.....	808
20.373 style:text-underline-width.....	808
20.374 style:text-position.....	809
20.375 style:text-rotation-angle.....	809
20.376 style:text-rotation-scale.....	809
20.377 style:text-scale.....	810
20.378 style:text-underline-color.....	810
20.379 style:text-underline-mode.....	810
20.380 style:text-underline-style.....	810
20.381 style:text-underline-type.....	811
20.382 style:text-underline-width.....	811
20.383 style:use-optimal-column-width.....	812
20.384 style:use-optimal-row-height.....	812
20.385 style:use-window-font-color.....	812
20.386 style:vertical-align.....	813
20.386.1 <style:paragraph-properties>.....	813
20.386.2 <style:table-cell-properties>.....	813
20.387 style:vertical-pos.....	814
20.388 style:vertical-rel.....	814
20.389 style:width.....	815
20.390 style:wrap.....	815
20.391 style:wrap-contour.....	816
20.392 style:wrap-contour-mode.....	816
20.393 style:wrap-dynamic-threshold.....	816
20.394 style:writing-mode.....	817
20.394.1 General.....	817

20.394.2 <style:graphic-properties>	817
20.394.3 <style:page-layout-properties>	817
20.394.4 <style:paragraph-properties>	817
20.394.5 <style:section-properties>	817
20.394.6 <style:table-cell-properties>	818
20.394.7 <style:table-properties>	818
20.395 style:writing-mode-automatic	818
20.396 svg:fill-rule	819
20.397 svg:height	819
20.397.1 <style:graphic-properties>	819
20.397.2 <style:header-footer-properties>	819
20.398 svg:stroke-color	819
20.399 svg:stroke-opacity	819
20.400 svg:stroke-width	820
20.401 svg:x	820
20.402 svg:y	820
20.402.1 <style:graphic-properties>	820
20.402.2 <style:list-level-properties>	820
20.403 svg:width	820
20.404 table:align	820
20.405 table:border-model	821
20.406 table:display	821
20.407 text:anchor-page-number	821
20.408 text:anchor-type	822
20.409 text:animation	823
20.410 text:animation-delay	823
20.411 text:animation-direction	823
20.412 text:animation-repeat	824
20.413 text:animation-start-inside	824
20.414 text:animation-steps	824
20.415 text:animation-stop-inside	824
20.416 text:condition	825
20.417 text:display	825
20.418 text:dont-balance-text-columns	825
20.419 text:line-break	825
20.420 text:line-number	826
20.421 text:list-level-position-and-space-mode	826

20.422 text:min-label-distance.....	826
20.423 text:min-label-width.....	827
20.424 text:number-lines.....	827
20.425 text:space-before.....	827
Appendix A. OpenDocument Relax NG Schema.....	829
Appendix B. OpenDocument Metadata Manifest Ontology.....	830
Appendix C. MIME Types and File Name Extensions (Non Normative).....	831
Appendix D. Accessibility Guidelines (Non Normative).....	833
D.1. Title, Description and Caption of Graphical Elements.....	833
D.1.1. Guidance for authors.....	833
D.1.2. Authoring tool responsibility for presenting and prompting for the <svg:title> and <svg:desc> elements.....	833
D.2. Hyperlink Titles.....	834
D.3. Tables in Presentations.....	834
D.4. Further Guidelines.....	834
Appendix E. Bidirectional (BiDi) Scripts, Numeric Digits Presentation and Calendars (Non Normative).....	835
E.1. Paragraph and Layout Direction.....	835
E.2. Numeric Digits Presentation and Calendars.....	836
Appendix F. Recommended Usage of SMIL.....	837
F.1. Slide Animation.....	837
F.2. Main Sequence.....	837
F.3. Interactive Sequence.....	838
Appendix G. Changes From Previous Specification Versions (Non Normative).....	839
G.1. Changes from “Open Document Format for Office Applications (OpenDocument) v1.1”...839	

Table of Contents Part 2

1 Introduction.....	20
1.1 Introduction.....	20
1.2 Terminology.....	20
1.3 Purpose.....	20
1.4 Normative References.....	20
1.5 Non-Normative References.....	21
2 Expressions and Evaluators.....	22
2.1 Introduction.....	22
2.2 OpenDocument Formula Expression.....	22
2.3 Evaluators.....	22

2.3.1 OpenDocument Formula Evaluator.....	22
2.3.2 OpenDocument Formula Small Group Evaluator.....	22
2.3.3 OpenDocument Formula Medium Group Evaluator.....	23
2.3.4 OpenDocument Formula Large Group Evaluator.....	24
2.4 Variances (Implementation-defined, Unspecified, and Behavioral Changes).....	25
3 Formula Processing Model.....	26
3.1 General.....	26
3.2 Expression Evaluation.....	26
3.2.1 General.....	26
3.2.2 Expression Calculation	26
3.2.3 Operator and Function Evaluation.....	26
3.3 Non-Scalar Evaluation (aka 'Array expressions').....	27
3.4 Host-Defined Behaviors.....	29
3.5 When recalculation occurs.....	30
3.6 Numerical Models.....	30
3.7 Basic Limits.....	30
4 Types.....	32
4.1 General.....	32
4.2 Text (String).....	32
4.3 Number.....	32
4.3.1 General.....	32
4.3.2 Time.....	33
4.3.3 Date.....	33
4.3.4 DateTime.....	33
4.3.5 Percentage.....	33
4.3.6 Currency.....	33
4.3.7 Logical (Number).....	33
4.4 Complex Number.....	34
4.5 Logical (Boolean).....	34
4.6 Error.....	34
4.7 Empty Cell.....	35
4.8 Reference.....	35
4.9 ReferenceList.....	35
4.10 Array.....	35
4.11 Pseudotypes.....	36
4.11.1 General.....	36
4.11.2 Scalar.....	36

4.11.3 DateParam.....	36
4.11.4 TimeParam.....	36
4.11.5 Integer.....	36
4.11.6 TextOrNumber.....	36
4.11.7 Basis.....	36
4.11.8 Criterion.....	38
4.11.9 Database.....	39
4.11.10 Field.....	39
4.11.11 Criteria.....	39
4.11.12 Sequences (NumberSequence, NumberSequenceList, DateSequence, LogicalSequence, and ComplexSequence).....	40
4.11.13 Any.....	40
5 Expression Syntax.....	41
5.1 General.....	41
5.2 Basic Expressions.....	41
5.3 Constant Numbers.....	42
5.4 Constant Strings.....	42
5.5 Operators.....	42
5.6 Functions and Function Parameters.....	43
5.7 Nonstandard Function Names.....	44
5.8 References.....	44
5.9 Reference List.....	45
5.10 Quoted Label.....	45
5.10.1 General.....	45
5.10.2 Lookup of Defined Labels.....	46
5.10.3 Automatic Lookup of Labels.....	46
5.10.4 Implicit Intersection.....	47
5.10.5 Automatic Range.....	47
5.10.6 Automatic Intersection.....	48
5.11 Named Expressions.....	48
5.12 Constant Errors.....	49
5.13 Inline Arrays.....	50
5.14 Whitespace.....	50
6 Standard Operators and Functions.....	51
6.1 General.....	51
6.2 Common Template for Functions and Operators.....	51
6.3 Implicit Conversion Operators.....	52

6.3.1 General.....	52
6.3.2 Conversion to Scalar.....	52
6.3.3 Implied intersection.....	52
6.3.4 Force to array context (ForceArray).....	52
6.3.5 Conversion to Number.....	53
6.3.6 Conversion to Integer.....	53
6.3.7 Conversion to NumberSequence.....	53
6.3.8 Conversion to NumberSequenceList.....	54
6.3.9 Conversion to DateSequence.....	54
6.3.10 Conversion to Complex Number.....	54
6.3.11 Conversion to ComplexSequence.....	54
6.3.12 Conversion to Logical.....	55
6.3.13 Conversion to LogicalSequence.....	55
6.3.14 Conversion to Text.....	55
6.3.15 Conversion to DateParam.....	55
6.3.16 Conversion to TimeParam.....	55
6.4 Standard Operators.....	56
6.4.1 General.....	56
6.4.2 Infix Operator "+".....	56
6.4.3 Infix Operator "-".....	56
6.4.4 Infix Operator "*".....	56
6.4.5 Infix Operator "/".....	57
6.4.6 Infix Operator "^".....	57
6.4.7 Infix Operator "=".....	57
6.4.8 Infix Operator "<>".....	57
6.4.9 Infix Operator Ordered Comparison ("<", "<=", ">", ">=").....	58
6.4.10 Infix Operator "&".....	58
6.4.11 Infix Operator Reference Range (":").....	58
6.4.12 Infix Operator Reference Intersection ("!").....	59
6.4.13 Infix Operator Reference Concatenation ("~") (aka Union).....	59
6.4.14 Postfix Operator "%".....	60
6.4.15 Prefix Operator "+".....	60
6.4.16 Prefix Operator "-".....	60
6.5 Matrix Functions.....	61
6.5.1 General.....	61
6.5.2 MDETERM.....	61
6.5.3 MINVERSE.....	61

6.5.4 MMULT.....	62
6.5.5 MUNIT.....	62
6.5.6 TRANSPOSE.....	62
6.6 Bit operation functions.....	63
6.6.1 General.....	63
6.6.2 BITAND.....	63
6.6.3 BITLSHIFT.....	63
6.6.4 BITOR.....	63
6.6.5 BITRSHIFT.....	64
6.6.6 BITXOR.....	64
6.7 Byte-position text functions.....	64
6.7.1 General.....	64
6.7.2 FINDB.....	64
6.7.3 LEFTB.....	65
6.7.4 LENB.....	65
6.7.5 MIDB.....	65
6.7.6 REPLACEB.....	65
6.7.7 RIGHTB.....	66
6.7.8 SEARCHB.....	66
6.8 Complex Number Functions.....	66
6.8.1 General.....	66
6.8.2 COMPLEX.....	66
6.8.3 IMABS.....	66
6.8.4 IMAGINARY.....	67
6.8.5 IMARGUMENT.....	67
6.8.6 IMCONJUGATE.....	67
6.8.7 IMCOS.....	67
6.8.8 IMCOSH.....	68
6.8.9 IMCOT.....	68
6.8.10 IMCSC.....	68
6.8.11 IMCSCH.....	68
6.8.12 IMDIV.....	69
6.8.13 IMEXP.....	69
6.8.14 IMLN.....	69
6.8.15 IMLOG10.....	69
6.8.16 IMLOG2.....	70
6.8.17 IMPOWER.....	70

6.8.18 IMPRODUCT.....	70
6.8.19 IMREAL.....	70
6.8.20 IMSIN.....	71
6.8.21 IMSINH.....	71
6.8.22 IMSEC.....	71
6.8.23 IMSECH.....	71
6.8.24 IMSQRT.....	72
6.8.25 IMSUB.....	72
6.8.26 IMSUM.....	72
6.8.27 IMTAN.....	72
6.9 Database Functions.....	73
6.9.1 General.....	73
6.9.2 DAVERAGE.....	73
6.9.3 DCOUNT.....	73
6.9.4 DCOUNTA.....	73
6.9.5 DGET.....	74
6.9.6 DMAX.....	74
6.9.7 DMIN.....	74
6.9.8 DPRODUCT.....	74
6.9.9 DSTDEV.....	75
6.9.10 DSTDEVP.....	75
6.9.11 DSUM.....	75
6.9.12 DVAR.....	75
6.9.13 DVARP.....	76
6.10 Date and Time Functions.....	76
6.10.1 General.....	76
6.10.2 DATE.....	76
6.10.3 DATEDIF.....	76
6.10.4 DATEVALUE.....	77
6.10.5 DAY.....	77
6.10.6 DAYS.....	77
6.10.7 DAYS360.....	78
6.10.8 EDATE.....	78
6.10.9 EOMONTH.....	79
6.10.10 HOUR.....	79
6.10.11 ISOWEEKNUM.....	79
6.10.12 MINUTE.....	80

6.10.13 MONTH.....	80
6.10.14 NETWORKDAYS.....	80
6.10.15 NOW.....	81
6.10.16 SECOND.....	81
6.10.17 TIME.....	81
6.10.18 TIMEVALUE.....	82
6.10.19 TODAY.....	82
6.10.20 WEEKDAY.....	82
6.10.21 WEEKNUM.....	83
6.10.22 WORKDAY.....	83
6.10.23 YEAR.....	84
6.10.24 YEARFRAC.....	84
6.11 External Access Functions.....	85
6.11.1 General.....	85
6.11.2 DDE.....	85
6.11.3 HYPERLINK.....	85
6.12 Financial Functions.....	86
6.12.1 General.....	86
6.12.2 ACCRINT.....	86
6.12.3 ACCRINTM.....	87
6.12.4 AMORLINC.....	87
6.12.5 COUPDAYBS.....	88
6.12.6 COUPDAYS.....	88
6.12.7 COUPDAYSNC.....	89
6.12.8 COUPNCD.....	89
6.12.9 COUPNUM.....	90
6.12.10 COUPPCD.....	91
6.12.11 CUMIPMT.....	91
6.12.12 CUMPRINC.....	92
6.12.13 DB.....	92
6.12.14 DDB.....	93
6.12.15 DISC.....	95
6.12.16 DOLLARDE.....	95
6.12.17 DOLLARFR.....	95
6.12.18 DURATION.....	96
6.12.19 EFFECT.....	96
6.12.20 FV.....	97

6.12.21 FVSCHEDULE.....	97
6.12.22 INTRATE.....	97
6.12.23 IPMT.....	98
6.12.24 IRR.....	98
6.12.25 ISPMT.....	99
6.12.26 MDURATION.....	99
6.12.27 MIRR.....	100
6.12.28 NOMINAL.....	100
6.12.29 NPER.....	101
6.12.30 NPV.....	101
6.12.31 ODDFPRICE.....	102
6.12.32 ODDFYIELD.....	102
6.12.33 ODDLPRICE.....	103
6.12.34 ODDLYIELD.....	103
6.12.35 PDURATION.....	104
6.12.36 PMT.....	104
6.12.37 PPMT.....	105
6.12.38 PRICE.....	105
6.12.39 PRICEDISC.....	106
6.12.40 PRICEMAT.....	106
6.12.41 PV.....	107
6.12.42 RATE.....	107
6.12.43 RECEIVED.....	108
6.12.44 RRI.....	109
6.12.45 SLN.....	109
6.12.46 SYD.....	109
6.12.47 TBILLEQ.....	110
6.12.48 TBILLPRICE.....	110
6.12.49 TBILLYIELD.....	111
6.12.50 VDB.....	111
6.12.51 XIRR.....	112
6.12.52 XNPV.....	112
6.12.53 YIELD.....	113
6.12.54 YIELDDISC.....	113
6.12.55 YIELDMAT.....	114
6.13 Information Functions.....	114
6.13.1 General.....	114

6.13.2 AREAS.....	114
6.13.3 CELL.....	115
6.13.4 COLUMN.....	116
6.13.5 COLUMNS.....	117
6.13.6 COUNT.....	117
6.13.7 COUNTA.....	117
6.13.8 COUNTBLANK.....	118
6.13.9 COUNTIF.....	118
6.13.10 COUNTIFS.....	118
6.13.11 ERROR.TYPE.....	119
6.13.12 FORMULA.....	119
6.13.13 INFO.....	119
6.13.14 ISBLANK.....	120
6.13.15 ISERR.....	121
6.13.16 ISERROR.....	121
6.13.17 ISEVEN.....	121
6.13.18 ISFORMULA.....	121
6.13.19 ISLOGICAL.....	122
6.13.20 ISNA.....	122
6.13.21 ISNONTEXT.....	122
6.13.22 ISNUMBER.....	123
6.13.23 ISODD.....	123
6.13.24 ISREF.....	123
6.13.25 ISTEXT.....	123
6.13.26 N.....	124
6.13.27 NA.....	124
6.13.28 NUMBERTOVALUE.....	124
6.13.29 ROW.....	125
6.13.30 ROWS.....	125
6.13.31 SHEET.....	125
6.13.32 SHEETS.....	126
6.13.33 TYPE.....	126
6.13.34 VALUE.....	127
6.14 Lookup Functions.....	128
6.14.1 General.....	128
6.14.2 ADDRESS.....	128
6.14.3 CHOOSE.....	129

6.14.4 GETPIVOTDATA.....	129
6.14.5 HLOOKUP.....	130
6.14.6 INDEX.....	131
6.14.7 INDIRECT.....	131
6.14.8 LOOKUP.....	132
6.14.9 MATCH.....	133
6.14.10 MULTIPLE.OPERATIONS.....	134
6.14.11 OFFSET.....	135
6.14.12 VLOOKUP.....	136
6.15 Logical Functions.....	136
6.15.1 General.....	136
6.15.2 AND.....	137
6.15.3 FALSE.....	137
6.15.4 IF.....	137
6.15.5 IFERROR.....	137
6.15.6 IFNA.....	138
6.15.7 NOT.....	138
6.15.8 OR.....	138
6.15.9 TRUE.....	139
6.15.10 XOR.....	139
6.16 Mathematical Functions.....	139
6.16.1 General.....	139
6.16.2 ABS.....	139
6.16.3 ACOS.....	140
6.16.4 ACOSH.....	140
6.16.5 ACOT.....	140
6.16.6 ACOTH.....	140
6.16.7 ASIN.....	141
6.16.8 ASINH.....	141
6.16.9 ATAN.....	141
6.16.10 ATAN2.....	142
6.16.11 ATANH.....	142
6.16.12 BESSELI.....	142
6.16.13 BESSELJ.....	143
6.16.14 BESSELK.....	143
6.16.15 BESSELY.....	143
6.16.16 COMBIN.....	143

6.16.17 COMBINA.....	144
6.16.18 CONVERT.....	144
6.16.19 COS.....	152
6.16.20 COSH.....	152
6.16.21 COT.....	153
6.16.22 COTH.....	153
6.16.23 CSC.....	153
6.16.24 CSCH.....	154
6.16.25 DEGREES.....	154
6.16.26 DELTA.....	154
6.16.27 ERF.....	154
6.16.28 ERFC.....	155
6.16.29 EUROCONVERT.....	155
6.16.30 EVEN.....	156
6.16.31 EXP.....	157
6.16.32 FACT.....	157
6.16.33 FACTDOUBLE.....	157
6.16.34 GAMMA.....	157
6.16.35 GAMMALN.....	158
6.16.36 GCD.....	158
6.16.37 GESTEP.....	158
6.16.38 LCM.....	159
6.16.39 LN.....	159
6.16.40 LOG.....	159
6.16.41 LOG10.....	159
6.16.42 MOD.....	160
6.16.43 MULTINOMIAL.....	160
6.16.44 ODD.....	160
6.16.45 PI.....	160
6.16.46 POWER.....	161
6.16.47 PRODUCT.....	161
6.16.48 QUOTIENT.....	161
6.16.49 RADIANS.....	161
6.16.50 RAND.....	162
6.16.51 RANDBETWEEN.....	162
6.16.52 SEC.....	162
6.16.53 SERIESSUM.....	162

6.16.54 SIGN.....	163
6.16.55 SIN.....	163
6.16.56 SINH.....	164
6.16.57 SECH.....	164
6.16.58 SQRT.....	164
6.16.59 SQRTPI.....	164
6.16.60 SUBTOTAL.....	165
6.16.61 SUM.....	165
6.16.62 SUMIF.....	166
6.16.63 SUMIFS.....	166
6.16.64 SUMPRODUCT.....	167
6.16.65 SUMSQ.....	167
6.16.66 SUMX2MY2.....	167
6.16.67 SUMX2PY2.....	167
6.16.68 SUMXMY2.....	168
6.16.69 TAN.....	168
6.16.70 TANH.....	168
6.17 Rounding Functions.....	169
6.17.1 CEILING.....	169
6.17.2 INT.....	169
6.17.3 FLOOR.....	169
6.17.4 MROUND.....	170
6.17.5 ROUND.....	170
6.17.6 ROUNDDOWN.....	170
6.17.7 ROUNDUP.....	171
6.17.8 TRUNC.....	171
6.18 Statistical Functions.....	171
6.18.1 General.....	171
6.18.2 AVEDEV.....	171
6.18.3 AVERAGE.....	172
6.18.4 AVERAGEA.....	172
6.18.5 AVERAGEIF.....	172
6.18.6 AVERAGEIFS.....	173
6.18.7 BETADIST.....	173
6.18.8 BETAINV.....	174
6.18.9 BINOM.DIST.RANGE.....	174
6.18.10 BINOMDIST.....	175

6.18.11 LEGACY.CHIDIST.....	175
6.18.12 CHISQDIST.....	175
6.18.13 LEGACY.CHIINV.....	176
6.18.14 CHISQINV.....	176
6.18.15 LEGACY.CHITEST.....	176
6.18.16 CONFIDENCE.....	177
6.18.17 CORREL.....	177
6.18.18 COVAR.....	178
6.18.19 CRITBINOM.....	178
6.18.20 DEVSQ.....	178
6.18.21 EXPONDIST.....	179
6.18.22 FDIST.....	179
6.18.23 LEGACY.FDIST.....	180
6.18.24 FINV.....	180
6.18.25 LEGACY.FINV.....	180
6.18.26 FISHER.....	181
6.18.27 FISHERINV.....	181
6.18.28 FORECAST.....	181
6.18.29 FREQUENCY.....	182
6.18.30 FTEST.....	182
6.18.31 GAMMADIST.....	182
6.18.32 GAMMAINV.....	183
6.18.33 GAUSS.....	183
6.18.34 GEOMEAN.....	183
6.18.35 GROWTH.....	184
6.18.36 HARMEAN.....	185
6.18.37 HYPGEOMDIST.....	185
6.18.38 INTERCEPT.....	186
6.18.39 KURT.....	186
6.18.40 LARGE.....	186
6.18.41 LINEST.....	187
6.18.42 LOGEST.....	189
6.18.43 LOGINV.....	191
6.18.44 LOGNORMDIST.....	191
6.18.45 MAX.....	192
6.18.46 MAXA.....	192
6.18.47 MEDIAN.....	192

6.18.48 MIN.....	193
6.18.49 MINA.....	193
6.18.50 MODE.....	194
6.18.51 NEGBINOMDIST.....	194
6.18.52 NORMDIST.....	194
6.18.53 NORMINV.....	195
6.18.54 LEGACY.NORMSDIST.....	195
6.18.55 LEGACY.NORMSINV.....	195
6.18.56 PEARSON.....	196
6.18.57 PERCENTILE.....	196
6.18.58 PERCENTRANK.....	197
6.18.59 PERMUT.....	198
6.18.60 PERMUTATIONA.....	198
6.18.61 PHI.....	199
6.18.62 POISSON.....	199
6.18.63 PROB.....	199
6.18.64 QUARTILE.....	200
6.18.65 RANK.....	200
6.18.66 RSQ.....	201
6.18.67 SKEW.....	202
6.18.68 SKEWP.....	202
6.18.69 SLOPE.....	203
6.18.70 SMALL.....	203
6.18.71 STANDARDIZE.....	204
6.18.72 STDEV.....	204
6.18.73 STDEVA.....	204
6.18.74 STDEVP.....	205
6.18.75 STDEVPA.....	205
6.18.76 STEYX.....	206
6.18.77 LEGACY.TDIST.....	206
6.18.78 TINV.....	207
6.18.79 TREND.....	207
6.18.80 TRIMMEAN.....	208
6.18.81 TTEST.....	208
6.18.82 VAR.....	210
6.18.83 VARA.....	210
6.18.84 VARP.....	211

6.18.85 VARPA.....	211
6.18.86 WEIBULL.....	212
6.18.87 ZTEST.....	212
6.19 Number Representation Conversion Functions.....	213
6.19.1 General.....	213
6.19.2 ARABIC.....	213
6.19.3 BASE.....	214
6.19.4 BIN2DEC.....	214
6.19.5 BIN2HEX.....	214
6.19.6 BIN2OCT.....	215
6.19.7 DEC2BIN.....	215
6.19.8 DEC2HEX.....	216
6.19.9 DEC2OCT.....	216
6.19.10 DECIMAL.....	217
6.19.11 HEX2BIN.....	217
6.19.12 HEX2DEC.....	217
6.19.13 HEX2OCT.....	218
6.19.14 OCT2BIN.....	218
6.19.15 OCT2DEC.....	219
6.19.16 OCT2HEX.....	219
6.19.17 ROMAN.....	219
6.20 Text Functions.....	221
6.20.1 General.....	221
6.20.2 ASC.....	221
6.20.3 CHAR.....	223
6.20.4 CLEAN.....	223
6.20.5 CODE.....	224
6.20.6 CONCATENATE.....	224
6.20.7 DOLLAR.....	224
6.20.8 EXACT.....	224
6.20.9 FIND.....	225
6.20.10 FIXED.....	225
6.20.11 JIS.....	225
6.20.12 LEFT.....	227
6.20.13 LEN.....	228
6.20.14 LOWER.....	228
6.20.15 MID.....	228

6.20.16 PROPER.....	229
6.20.17 REPLACE.....	229
6.20.18 REPT.....	229
6.20.19 RIGHT.....	230
6.20.20 SEARCH.....	230
6.20.21 SUBSTITUTE.....	230
6.20.22 T.....	231
6.20.23 TEXT.....	231
6.20.24 TRIM.....	231
6.20.25 UNICHAR.....	232
6.20.26 UNICODE.....	232
6.20.27 UPPER.....	232
7 Other Capabilities.....	233
7.1 General.....	233
7.2 Inline constant arrays.....	233
7.3 Inline non-constant arrays.....	233
7.4 Year 1583.....	233
8 Non-portable Features.....	234
8.1 General.....	234
8.2 Distinct Logical.....	234

Table of Contents Part 3

1 Introduction.....	8
1.1 Introduction.....	8
1.2 Terminology.....	8
1.3 Normative References.....	8
1.4 Non Normative References.....	9
1.5 Namespaces.....	9
2 Packages, Package Consumers and Package Producers.....	11
2.1 Introduction.....	11
2.2 Packages.....	11
2.2.1 OpenDocument Package.....	11
2.2.2 OpenDocument Extended Package.....	12
2.3 Producers.....	12
2.3.1 OpenDocument Package Producer.....	12
2.3.2 OpenDocument Package Extended Producer.....	12

2.4 OpenDocument Package Consumer.....	12
3 Packages.....	13
3.1 General.....	13
3.2 Manifest.....	13
3.3 MIME Media Type.....	13
3.4 Encryption.....	14
3.4.1 General.....	14
3.4.2 Encryption Process.....	14
3.5 Digital Signatures.....	15
3.6 Metadata.....	15
3.7 Usage of IRIs Within Packages.....	15
3.8 Preview Image.....	17
4 Manifest File.....	18
4.1 Introduction.....	18
4.2 <manifest:manifest>.....	18
4.3 <manifest:file-entry>.....	18
4.4 <manifest:encryption-data>.....	18
4.5 <manifest:algorithm>.....	19
4.6 <manifest:start-key-generation>.....	19
4.7 <manifest:key-derivation>.....	19
4.8 Manifest Attributes.....	20
4.8.1 manifest:algorithm-name.....	20
4.8.2 manifest:checksum.....	20
4.8.3 manifest:checksum-type.....	20
4.8.4 manifest:full-path.....	21
4.8.5 manifest:initialisation-vector.....	21
4.8.6 manifest:start-key-generation-name.....	22
4.8.7 manifest:key-size.....	22
4.8.8 manifest:iteration-count.....	22
4.8.9 manifest:key-derivation-name.....	23
4.8.10 manifest:media-type.....	23
4.8.11 manifest:preferred-view-mode.....	23
4.8.12 manifest:salt.....	24
4.8.13 manifest:size.....	24
4.8.14 manifest:version.....	24
5 Digital Signatures File.....	26
5.1 Introduction.....	26

5.2 <dsig:document-signatures>.....	26
5.3 <ds:Signature>.....	26
5.4 Digital Signatures Attributes.....	28
5.4.1 dsig:version.....	28
6 Metadata Manifest Files.....	29
6.1 General.....	29
6.2 pkg:Document.....	29
6.3 pkg:File.....	29
6.4 pkg:MetadataFile.....	29
6.5 pkg:Element.....	29
6.6 pkg:hasPart.....	29
6.7 pkg:mimeType.....	30
7 Datatypes.....	31
7.1 Introduction.....	31
7.2 W3C Schema Datatypes.....	31
7.3 Other Datatypes.....	31
7.3.1 namespacedToken.....	31
Appendix A. Schemas.....	32
A.1. OpenDocument Manifest Schema.....	32
A.2. OpenDocument Digital Signature Schema.....	32
Appendix B. OpenDocument Metadata Manifest Ontology.....	33
Appendix C. Zip File Structure (Non normative).....	34
Appendix D. Changes From “Open Document Format for Office Applications (OpenDocument) v1.1” (Non Normative).....	35

1 Introduction

1.1 Scope

This standard specifies the characteristics of an XML-based application-independent and platform-independent digital document file format, as well as the characteristics of software applications which read, write and process such documents. This standard is applicable to document authoring, editing, viewing, exchange and archiving, including text documents, spreadsheets, presentation graphics, drawings, charts and similar documents commonly used by personal productivity software applications.

This standard has three parts.

Part 1 defines an XML schema for office documents. Office documents includes text documents, spreadsheets, charts and graphical documents like drawings or presentations, but is not restricted to these kinds of documents.

Part 2 defines a formula language for OpenDocument documents.

Part 3 defines the package format for OpenDocument documents.

This standard, for illustrative purposes, describes functionality using terminology common in desktop computing environments that contain a display terminal, keyboard and mouse, attached to a computer hosting an operating system with a graphical user interface which includes user interface controls such as input controls, command buttons, selection boxes, etc.

However, this standard is not limited to such environments. The standard also supports the use of alternative computing environments, other form factors, non-GUI consumers and producers, and the use of assistive technologies, using analogous user interface operations.

1.2 Terminology

All text is normative unless otherwise labeled.

Within the normative text of this specification, the terms "shall", "shall not", "should", "should not", "may" and "need not" are to be interpreted as described in Annex H of [ISO/IEC Directives].

implementation-defined behavior: behavior that depends on the implementation and that each implementation shall document.

implementation-dependent behavior: behavior that depends on the implementation. The implementation is not required to document which behavior occurs.

Note:: Usually, the range of possible behaviors is delineated by the Standard.

undefined behavior: behavior for which the Standard imposes no requirements. Undefined behavior may also be expected when the standard omits the description of any explicit definition of behavior.

1.3 Normative References

[ISO/IEC Directives] ISO/IEC Directives, Part 2 (Fifth Edition) *Rules for the structure and drafting of International Standards*, International Organization for Standardization and International Electrotechnical Commission, 2004.

The individual parts of the OpenDocument specification each defines its own set of normative references.

1.4 Non Normative References

[ODF11] OASIS Standard, *Open Document Format for Office Applications (OpenDocument) v1.1*, February 2007, <http://docs.oasis-open.org/office/v1.1/OS/OpenDocument-v1.1.pdf>.

The individual parts of the OpenDocument specification each contains further non normative references.

2 Conformance

The OpenDocument specification defines conformance for documents, consumers, producers, packages, package consumer, package producers, formula expressions and formula evaluators, with multiple conformance classes.

(C1) A *conforming OpenDocument Document* shall meet the requirements defined in part 1 section 2.2.1 and chapters 3 to 20 for OpenDocument documents..

(C2) A *conforming OpenDocument extended Document* shall meet the requirements defined in part 1 section 2.2.2 and chapters 3 to 20 for OpenDocument extended documents.

(C3) A *conforming OpenDocument Text Document* shall meet the requirements defined in part 1 section 2.2.3 and chapters 3 to 20 for OpenDocument Text documents.

(C4) A *conforming OpenDocument Spreadsheet Document* shall meet the requirements defined in part 1 section 2.2.4 and chapters 3 to 20 for OpenDocument Spreadsheet documents.

(C5) A *conforming OpenDocument Drawing Document* shall meet the requirements defined in part 1 section 2.2.5 and chapters 3 to 20 for OpenDocument Drawing documents.

(C6) A *conforming OpenDocument Presentation Document* shall meet the requirements defined in part 1 section 2.2.6 and chapters 3 to 20 for OpenDocument Presentation documents.

(C7) A *conforming OpenDocument Chart Document* shall meet the requirements defined in part 1 section 2.2.7 and chapters 3 to 20 for OpenDocument Chart documents.

(C8) A *conforming OpenDocument Image Document* shall meet the requirements defined in part 1 section 2.2.8 and chapters 3 to 20 for OpenDocument Image documents.

(C9) A *conforming OpenDocument Formula Document* shall meet the requirements defined in part 1 section 2.2.9 and chapters 3 to 20 for OpenDocument Formula documents.

(C10) A *conforming OpenDocument Database Front End Document* shall meet the requirements defined in part 1 section 2.2.10 and chapters 3 to 20 for OpenDocument Database Front End documents.

(C11) A *Conforming OpenDocument Producer* shall meet the requirements defined in part 1 section 2.3.1 and chapters 3 to 20 for OpenDocument producers.

(C12) A *Conforming OpenDocument Extended Producer* shall meet the requirements defined in part 1 section 2.3.2 and chapters 3 to 20 for OpenDocument extended producers.

(C13) A *Conforming OpenDocument Consumer* shall meet the requirements defined in part 1 section 2.4 and chapters 3 to 20 for OpenDocument consumers.

(C14) A *conforming OpenDocument Formula Expression* shall meet the requirements defined in part 2 section 2.2 and chapters 3 to 8 for OpenDocument formula expressions.

(C15) A *Conforming OpenDocument Formula Evaluator* shall meet the requirements defined in part 2 section 2.3.1 and chapters 3 to 8 for OpenDocument formula evaluators.

(C16) A *Conforming OpenDocument Formula Small Group Evaluator* shall meet the requirements defined in part 2 section 2.3.2 and chapters 3 to 8 for OpenDocument formula small group evaluators.

(C17) A Conforming *OpenDocument Formula Medium Group Evaluator* shall meet the requirements defined in part 2 section 2.3.3 and chapters 3 to 8 for OpenDocument formula medium group evaluators.

(C18) A Conforming *OpenDocument Formula Large Group Evaluator* shall meet the requirements defined in part 2 section 2.3.4 and chapters 3 to 8 for OpenDocument formula large group evaluators.

(C19) A *conforming OpenDocument Package* shall meet the requirements defined in part 3 section 2.2.1 and chapters 3 to 7 for OpenDocument packages.

(C20) A *conforming OpenDocument Extended Package* shall meet the requirements defined in part 3 section 2.2.2 and chapters 3 to 7 for OpenDocument extended packages.

(C21) A *Conforming OpenDocument Package Producer* shall meet the requirements defined in part 3 section 2.3.1 and chapters 3 to 7 for OpenDocument package producers.

(C22) A *Conforming OpenDocument Package Extended Producer* shall meet the requirements defined in part 3 section 2.3.2 and chapters 3 to 7 for OpenDocument package extended producers.

(C23) A *Conforming OpenDocument Package Consumer* shall meet the requirements defined in part 3 section 2.4 and chapters 3 to 7 for OpenDocument package consumers.

Appendix A. Changes From Previous Specification Versions (Non Normative)

A.1. Changes from “Open Document Format for Office Applications (OpenDocument) v1.1”

The OpenDocument specification has been divided into three parts and has been restructured. A more detailed list of changes is included in parts 1 and 3. Part 2 contains content that is new in OpenDocument v1.2.

Appendix B. Acknowledgments (Non Normative)

The following individuals have participated in the creation of this specification and are gratefully acknowledged:

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Thorsten Zachmann, Nokia Corporation
Thomas Zander, Nokia Corporation
Pine Zhang, UOML Alliance