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Table of Contents

Foreword xiii

Introduction xiv

1. Scope 1

2. Conformance 2

2.1 Document Conformance 2
2.2 Application Conformance 2

3. Normative References 4

4. Terms and Definitions 8

5. Notational Conventions 10

6. Acronyms and Abbreviations 11

7. General Description 12

8. Additional Shared Parts 13

8.1 VML Drawing Part 13

9. WordprocessingML 15

9.1 Part Summary (Part 1, §11.3) 15
9.1.1 Alternative Format Import Part (Part 1, §11.3.1) 15
9.1.2 Comments Part (Part 1, §11.3.2) 15
9.1.3 Document Settings Part (Part 1, §11.3.3) 15
9.1.4 Endnotes Part (Part 1, §11.3.4) 15
9.1.5 Fonts Table Part (Part 1, §11.3.5) 15
9.1.6 Footer Part (Part 1, §11.3.6) 15
9.1.7 Footnotes Part (Part 1, §11.3.7) 16
9.1.8 Glossary Document Part (Part 1, §11.3.8) 16
9.1.9 Header Part (Part 1, §11.3.9) 16
9.1.10 Main Document Part (Part 1, §11.3.10) 16
9.1.11 Numbering Definitions Part (Part 1, §11.3.11) 16
9.1.12 Style Definitions Part (Part 1, §11.3.12) 16
9.1.13 Web Settings Part (Part 1, §11.3.13) 16
9.2 Document Template (Part 1, §11.4) 17
9.3 Framesets (Part 1, §11.5) 17
9.4 Master Documents and Subdocuments (Part 1, §11.6) 17
9.5 Mail Merge Data Source (Part 1, §11.7) 17
9.6 Mail Merger Header Data Source (Part 1, §11.8) 17
9.7 XSL Transformation (Part 1, §11.9) 17

10. SpreadsheetML 18

10.1 Part Summary (Part 1, §12.3) 18
10.1.1 Calculation Chain Part (Part 1, §12.3.1) 18
10.1.2 Chartsheet Part (Part 1, §12.3.2) 18
10.1.3 Comments Part (Part 1, §12.3.3) 18

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10.1.4 Connections Part (Part 1, §12.3.4) 18
10.1.5 Custom Property Part (Part 1, §12.3.5) 18
10.1.6 Custom XML Mappings Part (Part 1, §12.3.6) 19
10.1.7 Dialogsheet Part (Part 1, §12.3.7) 19
10.1.8 Drawings Part (Part 1, §12.3.8) 19
10.1.9 External Workbook References Part (Part 1, §12.3.9) 19
10.1.10 Metadata Part (Part 1, §12.3.10) 19
10.1.11 Pivot Table Part (Part 1, §12.3.11) 19
10.1.12 Pivot Table Cache Definition Part (Part 1, §12.3.12) 19
10.1.13 Pivot Table Cache Records Part (Part 1, §12.3.13) 20
10.1.14 Query Table Part (Part 1, §12.3.14) 20
10.1.15 Shared Strings Table Part (Part 1, §12.3.15) 20
10.1.16 Shared Workbook Revision Headers Part (Part 1, §12.3.16) 20
10.1.17 Shared Workbook Revision Log Part (Part 1, §12.3.17) 20
10.1.18 Shared Workbook User Data part (Part 1, §12.3.18) 20
10.1.19 Single Cell Table Definitions Part (Part 1, §12.3.19) 20
10.1.20 Styles Part (Part 1, §12.3.20) 21
10.1.21 Table Definition Part (Part 1, §12.3.21) 21
10.1.22 Volatile Dependencies Part (Part 1, §12.3.22) 21
10.1.23 Workbook Part (Part 1, §12.3.23) 21
10.1.24 Worksheet Part (Part 1, §12.3.24) 21
10.2 External Workbooks (Part 1, §12.4) 21

11. PresentationML 22

11.1 Part Summary (Part 1, §13.3) 22
11.1.1 Comment Authors Part (Part 1, §13.3.1) 22
11.1.2 Comments Part (Part 1, §13.3.2) 22
11.1.3 Handout Master Part (Part 1, §13.3.3) 22
11.1.4 Notes Master Part (Part 1, §13.3.4) 22
11.1.5 Notes Slide Part (Part 1, §13.3.5) 22
11.1.6 Presentation Part (Part 1, §13.3.6) 23
11.1.7 Presentation Properties Part (Part 1, §13.3.7) 23
11.1.8 Slide Part (Part 1, §13.3.8) 23
11.1.9 Slide Layout Part (Part 1, §13.3.9) 23
11.1.10 Slide Master Part (Part 1, §13.3.10) 23
11.1.11 Slide Synchronization Data Part (Part 1, §13.3.11) 23
11.1.12 User Defined Tags Part (Part 1, §13.3.12) 23
11.1.13 View Properties Part (Part 1, §13.3.13) 24
11.2 HTML Publish Location (Part 1, §13.4) 24
11.3 Slide Synchronization Server Location (Part 1, §13.5) 24

12. DrawingML 25

12.1 Part Summary (Part 1, §14.2) 25
12.1.1 Chart Part (Part 1, §14.2.1) 25
12.1.2 Chart Drawing Part (Part 1, §14.2.2) 25
12.1.3 Diagram Colors Part (Part 1, §14.2.3) 25
12.1.4 Diagram Data Part (Part 1, §14.2.4) 25
12.1.5 Diagram Layout Definition Part (Part 1, §14.2.5) 25
12.1.6 Diagram Style Part (Part 1, §14.2.6) 26

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12.1.7 Theme Part (Part 1, §14.2.7) 26
12.1.8 Theme Override Part (Part 1, §14.2.8) 26
12.1.9 Table Styles Part (Part 1, §14.2.9) 26

13. Shared MLs 27

13.1 Part Summary (Part 1, §15.2) 27
13.1.1 Additional Characteristics Part (Part 1, §15.2.1) 27
13.1.2 Audio Part (Part 1, §15.2.2) 27
13.1.3 Bibliography Part (Part 1, §15.2.3) 27
13.1.4 Content Part (Part 1, §15.2.4) 27
13.1.5 Custom XML Data Storage Part (Part 1, §15.2.5) 27
13.1.6 Custom XML Data Storage Properties Part (Part 1, §15.2.6) 27
13.1.7 Embedded Control Persistence Part (Part 1, §15.2.9) 28
13.1.8 Embedded Object Part (Part 1, §15.2.10) 28
13.1.9 Embedded Package Part (Part 1, §15.2.11) 28
13.1.10 Core File Properties Part (Part 1, §15.2.12.1) 28
13.1.11 Custom File Properties Part (Part 1, §15.2.12.2) 28
13.1.12 Extended File Properties Part (Part 1, §15.2.12.3) 28
13.1.13 Font Part (Part 1, §15.2.13) 28
13.1.14 Image Part (Part 1, §15.2.14) 28
13.1.15 Printer Settings Part (Part 1, §15.2.15) 28
13.1.16 Thumbnail Part (Part 1, §15.2.16) 29
13.1.17 Video Part (Part 1, §15.2.17) 29
13.2 Hyperlinks Part (Part 1, §15.3) 29

14. WordprocessingML Reference Material 30

14.1 Table of Contents 30
14.2 Paragraphs and Rich Formatting 33
14.2.1 Paragraphs 33
14.2.2 Run Content 34
14.3 Tables 37
14.3.1 left (Table Cell Leading Edge Border) 37
14.3.2 left (Table Leading Edge Border) 38
14.3.3 left (Table Cell Leading Margin Exception) 38
14.3.4 left (Table Cell Leading Margin Default) 38
14.3.5 right (Table Cell Trailing Edge Border) 38
14.3.6 right (Table Trailing Edge Border) 39
14.3.7 right (Table Cell Trailing Margin Default) 39
14.3.8 right (Table Cell Trailing Margin Exception) 39
14.3.9 Additional attribute for cnfStyle element (Part 1, §17.4.7) 40
14.3.10 Additional attribute for cnfStyle element (Part 1, §17.4.8) 41
14.3.11 Additional attribute for tblLook element (Part 1, §17.4.55) 42
14.3.12 Additional attribute for tblLook element (Part 1, §17.4.56) 43
14.4 Fonts 44
14.4.1 Elements 44
14.5 Numbering 45
14.5.1 pict (Picture Numbering Symbol Properties) 45
14.6 Annotations 46
14.6.1 Revisions 46

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14.7 Settings 55
14.7.1 Legacy Password Hash Algorithm 55
14.7.2 Document Settings 63
14.7.3 Compatibility Settings 78
14.8 Miscellaneous Topics 162
14.8.1 Text Box Content 162
14.9 Fields and Hyperlinks 165
14.9.1 Syntax 165
14.9.2 Legacy language references 166
14.9.3 Use of DOS File Paths 173
14.9.4 Field definitions 173
14.9.5 fldData (Custom Field Data) 182
14.9.6 fldData (Custom Field Data) 183
14.9.7 hyperlink (Hyperlink) (Part 1, §17.16.22) 184
14.10 Simple Types 184
14.10.1 Additional member types for the union in ST_DecimalNumberOrPercent (Part 1, §17.18.11) 184
14.10.2 Additional enumeration values for ST_Jc (Part 1, §17.18.44) 184
14.10.3 Additional enumeration values for ST_JcTable (Part 1, §17.18.45) 185
14.10.4 Additional enumeration values for ST_NumberFormat (Part 1, §17.18.59) 185
14.10.5 Additional enumeration values for ST_StyleSort (Part 1, §17.18.82) 186
14.10.6 Additional enumeration values for ST_TabJc (Part 1, §17.18.84) 186
14.10.7 Additional enumeration values for ST_TextDirection (Part 1, §17.18.93) 186
14.10.8 Additional member types for the union in ST_TextScale (Part 1, §17.18.95) 187
14.10.9 ST_Cnf (Conditional Formatting Bitmask) 187
14.10.10 ST_UnqualifiedPercentage (Percentage Value Without Percent Sign) 188
14.10.11 ST_TextScaleDecimal (Text Expansion/Compression Percentage) 189
14.11 Changed attributes 189
14.11.1 Changed attribute for contentPart element (Part 1, §17.3.3.2) 189
14.11.2 Changed attribute for control element (Part 1, §17.3.3.3) 190
14.11.3 Changed attribute for movie element (Part 1, §17.3.3.17) 190
14.11.4 Changed attribute for objectEmbed element (Part 1, §17.3.3.20) 191
14.11.5 Changed attribute for objectLink element (Part 1, §17.3.3.21) 192
14.11.6 Changed attribute for bottom element (Part 1, §17.6.2) 192
14.11.7 Changed attribute for left element (Part 1, §17.6.7) 193
14.11.8 Changed attribute for printerSettings element (Part 1, §17.6.14) 194
14.11.9 Changed attribute for right element (Part 1, §17.6.15) 195
14.11.10 Changed attribute for top element (Part 1, §17.6.21) 195
14.11.11 Changed attribute for embedBold element (Part 1, §17.8.3.3) 197
14.11.12 Changed attribute for embedBoldItalic element (Part 1, §17.8.3.4) 197
14.11.13 Changed attribute for embedItalic element (Part 1, §17.8.3.5) 198
14.11.14 Changed attribute for embedRegular element (Part 1, §17.8.3.6) 199
14.11.15 Changed attribute for footerReference element (Part 1, §17.10.2) 199
14.11.16 Changed attribute for headerReference element (Part 1, §17.10.5) 200
14.11.17 Changed attribute for dataSource element (Part 1, §17.14.9) 201
14.11.18 Changed attribute for headerSource element (Part 1, §17.14.16) 201
14.11.19 Changed attribute for recipientData element (Part 1, §17.14.28) 202
14.11.20 Changed attribute for src element (Part 1, §17.14.30) 203
14.11.21 Changed attribute for attachedTemplate element (Part 1, §17.15.1.6) 203

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14.11.22 Changed attribute for saveThroughXslt element (Part 1, §17.15.1.76) 204
14.11.23 Changed attribute for longDesc element (Part 1, §17.15.2.23) 204
14.11.24 Changed attribute for sourceFileName element (Part 1, §17.15.2.39) 205
14.11.25 Changed attribute for subDoc element (Part 1, §17.17.1.1) 206
14.11.26 Changed attribute for altChunk element (Part 1, §17.17.2.1) 206

15. SpreadsheetML Reference Material 208

15.1 Table of Contents 208
15.2 Workbook 208
15.2.1 Additional attribute for fileSharing element (Part 1, §18.2.12) 208
15.2.2 Additional attribute for webPublishing element (Part 1, §18.2.24) 209
15.2.3 Additional attributes for workbookProtection element (Part 1, §18.2.29) 209
15.3 Worksheets 215
15.3.1 Worksheets 215
15.3.2 AutoFilter Settings 218
15.4 Styles 219
15.4.1 left (Leading Edge Border) 219
15.4.2 right (Trailing Edge Border) 220
15.5 Pivot Tables 220
15.5.1 Pivot Tables 220
15.6 External Data Connections 220
15.6.1 Additional attribute for textPr element (Part 1, §18.13.12) 220
15.7 Simple Types 221
15.7.1 Additional enumeration values for ST_PivotAreaType (Part 1, §18.18.58) 221
15.7.2 ST_UnsignedShortHex (Unsigned Short Hex) 221
15.8 Formulas 221
15.8.1 Attribute synonym for c element (Part 1, §18.6.1) 221
15.8.2 Additional representation for dates and times (Part 1, §18.17.4) 222
15.9 Changed attributes 222
15.9.1 Changed attribute for externalReference element (Part 1, §18.2.8) 222
15.9.2 Changed attribute for pivotCache element (Part 1, §18.2.17) 222
15.9.3 Changed attribute for sheet element (Part 1, §18.2.19) 222
15.9.4 Changed attribute for control element (Part 1, §18.3.1.19) 223
15.9.5 Changed attribute for controlPr element (Part 1, §18.3.1.20) 223
15.9.6 Changed attribute for customPr element (Part 1, §18.3.1.22) 223
15.9.7 Changed attribute for dataRef element (Part 1, §18.3.1.30) 224
15.9.8 Changed attribute for drawing element (Part 1, §18.3.1.36) 224
15.9.9 Changed attribute for drawingHF element (Part 1, §18.3.1.37) 224
15.9.10 Changed attribute for hyperlink element (Part 1, §18.3.1.47) 224
15.9.11 Changed attribute for objectPr element (Part 1, §18.3.1.56) 225
15.9.12 Changed attribute for oleObject element (Part 1, §18.3.1.59) 225
15.9.13 Changed attribute for pageSetup element (Part 1, §18.3.1.63) 225
15.9.14 Changed attribute for pageSetup element (Part 1, §18.3.1.64) 225
15.9.15 Changed attribute for picture element (Part 1, §18.3.1.67) 226
15.9.16 Changed attribute for pivotSelection element (Part 1, §18.3.1.69) 226
15.9.17 Changed attribute for tablePart element (Part 1, §18.3.1.94) 226
15.9.18 Changed attribute for pivotCacheDefinition element (Part 1, §18.10.1.67) 226
15.9.19 Changed attribute for rangeSet element (Part 1, §18.10.1.79) 226

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15.9.20 Changed attribute for worksheetSource element (Part 1, §18.10.1.95) 227
15.9.21 Changed attribute for header element (Part 1, §18.11.1.1) 227
15.9.22 Changed attribute for externalBook element (Part 1, §18.14.7) 227
15.9.23 Changed attribute for oleLink element (Part 1, §18.14.11) 227

16. PresentationML Reference Material 229

16.1 Table of Contents 229
16.2 Presentation 230
16.2.1 Presentation Properties 230
16.3 Slides 239
16.3.1 Embedded Objects 239
16.4 Simple Types 239
16.4.1 ST_WebColorType (HTML Slide Navigation Control Colors) 239
16.4.2 ST_WebEncoding (Web Encoding) 240
16.4.3 ST_WebScreenSize (HTML/Web Screen Size Target) 240
16.5 Changed attributes 241
16.5.1 Changed attribute for bold element (Part 1, §19.2.1.1) 241
16.5.2 Changed attribute for boldItalic element (Part 1, §19.2.1.2) 241
16.5.3 Changed attribute for font element (Part 1, §19.2.1.13) 241
16.5.4 Changed attribute for handoutMasterId element (Part 1, §19.2.1.14) 244
16.5.5 Changed attribute for italic element (Part 1, §19.2.1.16) 244
16.5.6 Changed attribute for notesMasterId element (Part 1, §19.2.1.20) 244
16.5.7 Changed attribute for notesSz element (Part 1, §19.2.1.22) 244
16.5.8 Changed attribute for regular element (Part 1, §19.2.1.29) 245
16.5.9 Changed attribute for sld element (Part 1, §19.2.1.31) 245
16.5.10 Changed attribute for sldId element (Part 1, §19.2.1.33) 246
16.5.11 Changed attribute for sldMasterId element (Part 1, §19.2.1.36) 246
16.5.12 Changed attribute for SmartTags element (Part 1, §19.2.1.40) 246
16.5.13 Changed attribute for gridSpacing element (Part 1, §19.2.2.3) 246
16.5.14 Changed attribute for origin element (Part 1, §19.2.2.9) 247
16.5.15 Changed attribute for sld element (Part 1, §19.2.2.14) 247
16.5.16 Changed attribute for bgRef element (Part 1, §19.3.1.3) 248
16.5.17 Changed attribute for blipFill element (Part 1, §19.3.1.4) 248
16.5.18 Changed attribute for clrMap element (Part 1, §19.3.1.6) 248
16.5.19 Changed attribute for cNvPicPr element (Part 1, §19.3.1.11) 250
16.5.20 Changed attribute for cNvPr element (Part 1, §19.3.1.12) 250
16.5.21 Changed attribute for cNvSpPr element (Part 1, §19.3.1.13) 252
16.5.22 Changed attribute for contentPart element (Part 1, §19.3.1.14) 252
16.5.23 Changed attribute for custData element (Part 1, §19.3.1.17) 253
16.5.24 Changed attribute for grpSpPr element (Part 1, §19.3.1.23) 253
16.5.25 Changed attribute for sldLayoutId element (Part 1, §19.3.1.40) 253
16.5.26 Changed attribute for spPr element (Part 1, §19.3.1.44) 253
16.5.27 Changed attribute for tags element (Part 1, §19.3.1.47) 254
16.5.28 Changed attribute for xfrm element (Part 1, §19.3.1.53) 254
16.5.29 Changed attribute for control element (Part 1, §19.3.2.1) 255
16.5.30 Changed attribute for oleObj element (Part 1, §19.3.2.4) 255
16.5.31 Changed attribute for pos element (Part 1, §19.4.5) 255
16.5.32 Changed attribute for snd element (Part 1, §19.5.68) 256

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16.5.33 Changed attribute for sndTgt element (Part 1, §19.5.70) 256

17. DrawingML - Framework Reference Material 258

17.1 DrawingML - Main 258
17.1.1 Table of Contents 258
17.1.2 Simple Types 258
17.2 DrawingML - Legacy Compatibility 262
17.2.1 Table of Contents 262
17.2.2 Basics 263
17.3 Changed attributes 264
17.3.1 Changed attribute for hlinkHover element (Part 1, §20.1.2.2.23) 264
17.3.2 Changed attribute for snd element (Part 1, §20.1.2.2.32) 265
17.3.3 Changed attribute for audioFile element (Part 1, §20.1.3.2) 265
17.3.4 Changed attribute for quickTimeFile element (Part 1, §20.1.3.4) 265
17.3.5 Changed attribute for videoFile element (Part 1, §20.1.3.6) 265
17.3.6 Changed attribute for wavAudioFile element (Part 1, §20.1.3.7) 266
17.3.7 Changed attribute for blip element (Part 1, §20.1.8.13) 266
17.3.8 Changed attribute for blipFill element (Part 1, §20.2.2.1) 266
17.3.9 Changed attribute for cNvPicPr element (Part 1, §20.2.2.2) 267
17.3.10 Changed attribute for cNvPr element (Part 1, §20.2.2.3) 267
17.3.11 Changed attribute for spPr element (Part 1, §20.2.2.6) 269
17.3.12 Changed attribute for docPr element (Part 1, §20.4.2.5) 269
17.3.13 Changed attribute for extent element (Part 1, §20.4.2.7) 271
17.3.14 Changed attribute for lineTo element (Part 1, §20.4.2.9) 272
17.3.15 Changed attribute for simplePos element (Part 1, §20.4.2.13) 272
17.3.16 Changed attribute for start element (Part 1, §20.4.2.14) 273
17.3.17 Changed attribute for blipFill element (Part 1, §20.5.2.2) 274
17.3.18 Changed attribute for cNvPicPr element (Part 1, §20.5.2.7) 274
17.3.19 Changed attribute for cNvPr element (Part 1, §20.5.2.8) 275
17.3.20 Changed attribute for cNvSpPr element (Part 1, §20.5.2.9) 276
17.3.21 Changed attribute for contentPart element (Part 1, §20.5.2.12) 277
17.3.22 Changed attribute for ext element (Part 1, §20.5.2.14) 277
17.3.23 Changed attribute for grpSpPr element (Part 1, §20.5.2.18) 278
17.3.24 Changed attribute for pos element (Part 1, §20.5.2.26) 278
17.3.25 Changed attribute for spPr element (Part 1, §20.5.2.30) 279
17.3.26 Changed attribute for xfrm element (Part 1, §20.5.2.36) 279

18. DrawingML - Components Reference Material 281

18.1 DrawingML - Charts 281
18.1.1 Table of Contents 281
18.1.2 Elements 282
18.1.3 Simple Types 283
18.2 Changed attributes 286
18.2.1 Changed attribute for hlinkClick element (Part 1, §21.1.2.3.5) 286
18.2.2 Changed attribute for hlinkMouseOver element (Part 1, §21.1.2.3.6) 287
18.2.3 Changed attribute for chart element (Part 1, §21.2.2.26) 287
18.2.4 Changed attribute for clrMapOvr element (Part 1, §21.2.2.30) 287
18.2.5 Changed attribute for externalData element (Part 1, §21.2.2.63) 289
18.2.6 Changed attribute for spPr element (Part 1, §21.2.2.197) 289

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ISO/IEC 29500-4:2011
https://standards.iteh.ai/catalog/standards/sist/05109436-2f7e-47e9-8045-a0e3fa5414c4/iso-iec-29500-4-2011

18.2.7 Changed attribute for userShapes element (Part 1, §21.2.2.221) ... 289
18.2.8 Changed attribute for blipFill element (Part 1, §21.3.2.2) ... 290
18.2.9 Changed attribute for cNvPicPr element (Part 1, §21.3.2.6) ... 290
18.2.10 Changed attribute for cNvPr element (Part 1, §21.3.2.7) ... 290
18.2.11 Changed attribute for cNvSpPr element (Part 1, §21.3.2.8) ... 292
18.2.12 Changed attribute for ext element (Part 1, §21.3.2.10) ... 292
18.2.13 Changed attribute for grpSpPr element (Part 1, §21.3.2.14) ... 293
18.2.14 Changed attribute for spPr element (Part 1, §21.3.2.23) ... 293
18.2.15 Changed attribute for xfrm element (Part 1, §21.3.2.28) ... 294
18.2.16 Changed attribute for relIds element (Part 1, §21.4.2.22) ... 294
18.2.17 Changed attribute for shape element (Part 1, §21.4.2.27) ... 295
18.2.18 Changed attribute for spPr element (Part 1, §21.4.3.7) ... 296
18.2.19 Changed attribute for sp3d element (Part 1, §21.4.5.6) ... 296

19. VML Reference Material ... 299

19.1 VML ... 299
19.1.1 Table of Contents ... 300
19.1.2 Elements ... 301
19.1.3 Simple Types ... 689
19.2 VML - Office Drawing ... 697
19.2.1 Table of Contents ... 698
19.2.2 Elements ... 699
19.2.3 Simple Types ... 825
19.3 VML - WordprocessingML Drawing ... 837
19.3.1 Table of Contents ... 838
19.3.2 Elements ... 839
19.3.3 Simple Types ... 847
19.4 VML - SpreadsheetML Drawing ... 854
19.4.1 Table of Contents ... 855
19.4.2 Elements ... 857
19.4.3 Simple Types ... 891
19.5 VML - PresentationML Drawing ... 893
19.5.1 Table of Contents ... 893
19.5.2 Elements ... 894

20. Shared MLs Reference Material ... 896

20.1 Shared Simple Types ... 896
20.1.1 Table of Contents ... 896
20.1.2 Simple Types ... 896
20.2 Extended Properties (Part 1, §22.2) ... 903
20.3 Custom Properties (Part 1, §22.3) ... 903
20.4 Changed attributes ... 904
20.4.1 Changed attribute for sources element (Part 1, §22.6.2.60) ... 904

Annex A. (normative) Schemas – W3C XML Schema ... 905

A.1 WordprocessingML ... 905
A.2 SpreadsheetML ... 974
A.3 PresentationML ... 1059
A.4 DrawingML - Framework ... 1091

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ISO/IEC 29500-4:2011
https://standards.iteh.ai/catalog/standards/sist/0510943f-2f7e-47e9-8045-a0e3fa5414c4/iso-iec-29500-4-2011

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A.4.1 DrawingML - Main 1091
A.4.2 DrawingML - Picture 1149
A.4.3 DrawingML - Legacy Compatibility 1150
A.4.4 DrawingML - Locked Canvas 1150
A.4.5 DrawingML - WordprocessingML Drawing 1150
A.4.6 DrawingML - SpreadsheetML Drawing 1154
A.5 DrawingML - Components 1158
A.5.1 DrawingML - Charts 1158
A.5.2 DrawingML - Chart Drawings 1186
A.5.3 DrawingML - Diagrams 1189
A.6 VML 1210
A.6.1 VML 1210
A.6.2 VML - Office Drawing 1221
A.6.3 VML - WordprocessingML Drawing 1231
A.6.4 VML - SpreadsheetML Drawing 1233
A.6.5 VML - PresentationML Drawing 1235
A.7 Shared MLs 1235
A.7.1 Math 1235
A.7.2 Extended Properties 1246
A.7.3 Custom Properties 1247
A.7.4 Variant Types 1248
A.7.5 Custom XML Data Properties 1252
A.7.6 Bibliography 1253
A.7.7 Additional Characteristics 1255
A.7.8 Office Document Relationships 1256
A.7.9 Shared Simple Types 1257
A.8 Custom XML Schema References 1260

Annex B. (informative) Schemas – RELAX NG 1261

B.1 WordprocessingML 1261
B.1.1 Part Schemas 1305
B.2 SpreadsheetML 1312
B.2.1 Part Schemas 1400
B.3 PresentationML 1408
B.3.1 Part Schemas 1431
B.4 DrawingML - Framework 1435
B.4.1 DrawingML - Main 1435
B.4.2 DrawingML - Picture 1480
B.4.3 DrawingML - Locked Canvas 1480
B.4.4 DrawingML - Wordprocessing Drawing 1480
B.4.5 DrawingML - Spreadsheet Drawing 1483
B.5 DrawingML - Components 1485
B.5.1 DrawingML - Chart 1485
B.5.2 DrawingML - Chart Drawing 1504
B.5.3 DrawingML - Diagrams 1506
B.6 VML 1522
B.6.1 VML - Main 1522
B.6.2 VML - Office Drawing 1530

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(standards.iteh.ai)
ISO/IEC 29500-4:2011
https://standards.iteh.ai/catalog/standards/sist/0510943f-2f7e-47e9-8045-a0e3fa5414e4/iso-iec-29500-4-2011

B.6.3 VML - Wordprocessing Drawing 1537
B.6.4 VML - Spreadsheet Drawing 1539
B.6.5 VML - Presentation Drawing 1541
B.6.6 Part Schemas 1541
B.7 Shared MLs 1543
B.7.1 Math 1543
B.7.2 Extended Properties 1548
B.7.3 Custom Properties 1549
B.7.4 Variant Types 1550
B.7.5 Custom XML Data Properties 1554
B.7.6 Bibliography 1554
B.7.7 Additional Characteristics 1557
B.7.8 Office Document Relationships 1557
B.7.9 Shared Simple Types 1558
B.8 Custom XML Schema References 1560
B.9 Additional Resources 1560
B.9.1 Any 1560
B.9.2 XML 1560

Annex C. (informative) Namespace Prefix Mapping in Examples 1561

Annex D. (informative) Differences Between ISO/IEC 29500 and ECMA-376:2006 1563

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ISO/IEC 29500-4:2011
https://standards.iteh.ai/catalog/standards/sist/0510943f-2f7e-47e9-8045-a0e3fa5414c4/iso-iec-29500-4-2011

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

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This second edition cancels and replaces the first edition (ISO/IEC 29500-4:2008), which has been technically revised by incorporation of the Amendment ISO/IEC 29500-4:2008/Amd.1:2010 and the Technical Corrigendum ISO/IEC 29500-4:2008/Cor.1:2010.

ISO/IEC 29500 consists of the following parts, under the general title *Information technology — Document description and processing languages — Office Open XML File Formats*:

- *Part 1: Fundamentals and Markup Language Reference*
- *Part 2: Open Packaging Conventions*
- *Part 3: Markup Compatibility and Extensibility*
- *Part 4: Transitional Migration Features*

Annex A forms a normative part of this Part of ISO/IEC 29500. Annexes B, C, and D are for information only.

This Part of ISO/IEC 29500 includes two annexes (Annex A and Annex B) that refer to data files provided in electronic form.

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Introduction

ISO/IEC 29500 specifies a family of XML schemas, collectively called *Office Open XML*, which define the XML vocabularies for word-processing, spreadsheet, and presentation documents, as well as the packaging of documents that conform to these schemas.

The goal is to enable the implementation of the Office Open XML formats by the widest set of tools and platforms, fostering interoperability across office productivity applications and line-of-business systems, as well as to support and strengthen document archival and preservation, all in a way that is fully compatible with the existing corpus of Microsoft Office documents.

The intent of this Part of ISO/IEC 29500 is to enable a transitional period during which existing binary documents being migrated to ISO/IEC 29500 can make use of legacy features to preserve their fidelity, while noting that new documents should not use them. Part 1, §2.4, “Document Conformance”, notes that WML Strict, SML Strict and PML Strict documents do not use any of the features defined in Part 4.

This Part of ISO/IEC 29500 is normative for the current edition of ISO/IEC 29500, but is not guaranteed to be included in future revisions of that Standard. The intent is to enable the group responsible for maintenance of ISO/IEC 29500 to choose, at a later date, to remove this set of features from a revised version of that Standard.

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In general, this Part of ISO/IEC 29500 augments Part 1, and inherits the provisions of that Part. Exceptions to this are indicated explicitly.

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Information technology — Document description and processing languages — Office Open XML File Formats

Part 4:
Transitional Migration Features

1. Scope

ISO/IEC 29500 defines a set of XML vocabularies for representing word-processing documents, spreadsheets and presentations. On the one hand, the goal of ISO/IEC 29500 is to represent faithfully the existing corpus of word-processing documents, spreadsheets and presentations that have been produced by Microsoft Office applications (from Microsoft Office 97 to Microsoft Office 2008, inclusive). It also specifies requirements for Office Open XML consumers and producers. On the other hand, the goal is to facilitate extensibility and interoperability by enabling implementations by multiple vendors and on multiple platforms.

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This Part of ISO/IEC 29500 defines features for backward-compatibility and that are useful for high-quality migration of existing binary documents to ISO/IEC 29500. These features are used only by documents of conformance class WML Transitional (§2.1), SML Transitional (§2.1), or PML Transitional (§2.1). These features are sometimes needed for high-quality migration of existing binary documents to ISO/IEC 29500.

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