DR 15-0003 — General: Parts 1 and 4 Miscellaneous Editorial Nits

Status: Open

Subject: General: Part 1 and 4 Miscellaneous Editorial Nits

Qualifier: Editorial defect

Submitter: Editor Organization: (Editor)

Contact Information: rex@RexJaeschke.com

Submitter’s Defect Number: none

Supporting Document(s): none

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IS 29500 Reference(s): 29500:2016 Part 1 and/or 4, Various

Related DR(s): none

Nature of the Defect:

**Issue #1: (Charlie Clark) [CLOSED]**

**Part 1, §15.2.15, “Printer Settings Part”, p. 159 (2012 ed.)**

The two links in the following paragraph are no longer valid:

[Example: An Office Open XML producer on Windows might store the DEVMODE structure defined here: <http://msdn.microsoft.com/library/default.asp?url=/library/en-us/gdi/prntspol_8nle.asp> while an application on the Mac OS might choose to store the print record defined here: <http://developer.apple.com/documentation/Printing/index.html>. end example]

I think the Windows structure is now defined here: <http://msdn.microsoft.com/en-us/library/windows/desktop/dd183565.aspx>.

**Issue #2: (Caroline Arms) [CLOSED]**

**Part 1, §18.9.3, “cellMetadata (Cell Metadata)”, p. 1803**

In the note

[Note: Applications should not use this for storing metadata, but instead us valueMetadata. Cell metadata is included for storing information from future application. end note]

I see a typo – “us” should be “use” – and another possible one.  I would either make the final word plural or add the article “a” before “future application.”

**Issue #3: (Caroline Arms) [CLOSED]**

In Part 1, there are two occurrences of “dimensional” misspelled as “dimentional”: §18.3.1.40, “f (Formula)”, attributes dt2D (Data Table 2-D) and dtr (Data Table Row).

**Issue #4: (Caroline Arms) [CLOSED]**

There is a newer revision of the floating-point standard normatively referenced in §3:

IEC 60559:1989, Binary Floating-Point Arithmetic for Microprocessor Systems

[Ed. You are correct; there is a 2011 edition. Most of the work done during the revision was to add a new binary format and two decimal formats, none of which should adversely affect 29500.]

**Issue #5: (Caroline Arms) [CLOSED]**

In Part 4, §15.3.1.3, “Additional attribute for dataConsolidate element (Part 1, §18.3.1.29)”, the word “equivalent” is misspelled as “equivlent”.

**Issue #6: (Caroline Arms) [CLOSED]**

In numerous places in Part 4, an inter-word space is missing in “anorganization”.

**Issue #7: (Caroline Arms) [CLOSED]**

In Part 4, §15.2.4, “Modified content for Date Conversion for Serial Date-Times (Part 1, §18.17.4.1)”, p. 212, there is a bad line break between a negative sign and the number that follows it, as follows:

* In the 1904 date system, the lower limit is January 1st, 0001, 00:00:00, which has a serial date-time of -  
  695055. …

**Issue #8: (Patrick Durusau) [CLOSED]**

Part 1, §12.3, “Part Summary”, p. 67, the entry for “Revision Log” is missing a reference in the last column. I think this should point to §12.3.17.

**Issue #9: (Francis Cave) [CLOSED]**

At some point (presumably after the BRM) PivotTable autoformats were moved from Annex D to Annex G.3, but there are still three cross-references that specify Annex D. If you look for ‘PivotTable autoformats’ in Part 1, you’ll quickly find these.

**Issue #10: (Francis Cave) [CLOSED]**

The example in the description of the attribute @x on pages1866–1867of Part 1, §18.10.1.45, “item (PivotTable Field Item) is seriously broken: not well-formed XML and not the right example for the element in question.

|  |  |
| --- | --- |
| Attributes | Description |
| x (Item Index) | Specifies the item index in pivotFields collection in the PivotCache.  [Example: In the following example, "Product Category" and "Product Subcategory" are  on the row axis of the PivotTable, in that order.  <rowFields count="2">  <field x="7"/>  <x="8"/>  </rowFieldsfield >  end example]  The possible values for this attribute are defined by the W3C XML Schema unsignedInt  datatype. |

**Issue #11: (Francis Cave) [CLOSED]**

In section 18.3.1.13 in Part 1, page 1600: the third bullet point in the description of the attribute @bestFit doesn’t have any text. I think that the fourth bullet point is not supposed to be in the list of conditions and should instead be promoted to be a new paragraph, followed by the Note.

|  |  |
| --- | --- |
| Attributes | Description |
| bestFit (Best Fit  Column Width) | Flag indicating if the specified column(s) is set to 'best fit'. 'Best fit' is set to true under  these conditions:   * The column width has never been manually set by the user, AND * The column width is not the default width * 'Best fit' means that when numbers are typed into a cell contained in a 'best fit' column, the column width should automatically resize to display the number. [Note: In best fit cases, column width must not be made smaller, only larger. end note]   The possible values for this attribute are defined by the W3C XML Schema boolean  datatype. |

**Issue #12: (Francis Cave) [CLOSED]**

In section 18.3.1.13 in Part 1, page 1600: In the description of the attribute @collapsed, I think that ‘See description of row collapsed…’ should be ‘See description of row element’s collapsed attribute…’.

|  |  |
| --- | --- |
| Attributes | Description |
| collapsed  (Collapsed) | Flag indicating if the outlining of the affected column(s) is in the collapsed state. See  description of row collapsed and outlinePr element's summaryBelow and  summaryRight attributes for detailed information.  … |

**Issue #13: (Francis Cave) [CLOSED]**

Part 1, section 18.3.1.73 (row), page 1680: bulleted list formatting problem in the description of the attribute thickBot.

|  |  |
| --- | --- |
| Attributes | Description |
| thickBot (Thick  Bottom) | …  Medium borders are these enumeration values from the Styles Part:   * mediumDashDotDot * slantDashDot * mediumDashDot * mediumDashed * medium * Thick borders are these enumeration values from the Styles Part: * thick * double   … |

**Issue #14: (Francis Cave) [CLOSED]**

Part 1, section 18.5.1.2 (table), page 1729: The description of the attribute @displayName contains a cross reference to a section by name which should be by section number: ‘See SpreadsheetML Reference - Workbook definedNames section for details’.

|  |  |
| --- | --- |
| Attributes | Description |
| displayName (Table  Name) | …  This name shall not have any spaces in it, and it shall be unique amongst all other displayNames and definedNames in the workbook. The character lengths and restrictions are the same as for definedNames. See SpreadsheetML Reference - Workbook definedNames section for details  … |

**Issue #15: (Francis Cave) [CLOSED]**

Part 1, section 18.5.1.2 (table), page 1730: The description of the attribute @insertRow contains paragraph of normative text that should be a note, moved to the Primer or possibly removed altogether: ‘When a user clicks the insert row in the UI, it provides them an easy way to enter data into a table.’

|  |  |
| --- | --- |
| Attributes | Description |
| insertRow (Insert  Row Showing) | A Boolean value indicating whether the insert row is showing. True when the insert row is showing, false otherwise.  The insert row should only be shown if the table has no data.  When a user clicks the insert row in the UI, it provides them an easy way to enter data into a table.  … |

**Issue #16: (Patrick Durusau) [CLOSED]**

In Part 1, §17.13.5.7, “customXmlInsRangeStart (Custom XML Markup Insertion Start)”, p. 822, starting at the top, we have a set of three paragraphs, the first and third specifically describing the \*End element, while the second is a duplicate of the background info mentioned above. When I look at the previous sub-clause (§17.13.5.6 customXmlInsRangeEnd (Custom XML Markup Insertion End), pp. 819-820), I see those same three paragraphs, so I conclude that these three paras don’t belong in §17.13.5.7.

**Issue #17: (Caroline Arms) [CLOSED]**

Part 1, §19.7.20, “ST\_TLAnimateBehaviorCalcMode (Time List Animate Behavior Calculate Mode)”, p. 2703

The top row of the table in Description says “Descrete”.  Should be “Discrete.”

**Issue #18: (Caroline Arms) [CLOSED]**

**Part 1, §19.3.1.48, “19.3.1.48 timing (Slide Timing Information for a Slide Layout)”, pp. 2590–2591**  
The sentence, “More information on the specifics of these time nodes and how they are to be defined can be found within the Animation section of the PresentationML framework.” Could do with a forward pointer to §19.5.

**Issue #19: (Caroline Arms) [OPEN]**

**Part 1, References to ISO/IEC 14496-22, “Coding of audio-visual objects — Part 22: Open Font Format”**  
The Normative Reference is to ISO/IEC 14496-22:2009. In the text, I see the standard mentioned without a year, with year 2007, and with year 2008. There is now a 2015 version.

**Issue #xx: (xxx) [OPEN]**

xx

**Issue #xx: (xxx) [OPEN]**

xx

Solution Proposed by the Submitter:

See Editor’s Responses below.

Schema Change(s) Needed:

No

**Editor’s Response:**

**Issue #1: [CLOSED]**

**Part 1, §15.2.15, “Printer Settings Part”, p. 159**

[Example: An Office Open XML producer on Windows might store the DEVMODE structure defined here: http://msdn.microsoft.com/en-us/library/windows/desktop/dd183565.aspx~~http://msdn.microsoft.com/library/default.asp?url=/library/en-us/gdi/prntspol\_8nle.~~asp while an application on the Mac OS might choose to store the print record defined here: ???http://developer.apple.com/documentation/Printing/index.html. end example]

**Issue #2: [CLOSED]**

**Part 1, §18.9.3, “cellMetadata (Cell Metadata)”, p. 1803**

[Note: Applications should not use this for storing metadata, but instead use valueMetadata. Cell metadata is included for storing information from future applications. end note]

**Issue #3: [CLOSED]**

**Part 1, §18.3.1.40, “f (Formula)”, attributes dt2D (Data Table 2-D) and dtr (Data Table Row), p. 1631–1632**

|  |  |
| --- | --- |
| Attributes | Description |
| … |  |
| dt2D (Data Table 2-D) | Data table is two-dimens~~t~~ional. Only applies to the data tables function. Written on master cell of data table formula only.  … |
| dtr (Data Table Row) | true if one-dimens~~t~~ional data table is a row, otherwise it's a column. Only applies to the data tables function. Written on master cell of data table formula only.  … |
| … |  |

**Issue #4: [CLOSED]**

**Part 1, §3, “Normative References”, p. 6**

~~IEC 60559:1989, Binary Floating-Point Arithmetic for Microprocessor Systems~~

ISO/IEC/IEEE 60559:2011 Information technology -- Microprocessor Systems -- Floating-Point arithmetic

**Part 4, §3, “Normative References”, p. 4**

~~IEC 60559:1989, Binary Floating-Point Arithmetic for Microprocessor Systems~~

ISO/IEC/IEEE 60559:2011 Information technology -- Microprocessor Systems -- Floating-Point arithmetic

**Issue #5: [CLOSED]**

**Part 4, §15.4.1.3, “Additional attribute for dataConsolidate element (Part 1, §18.3.1.29)”, attribute leftLabels”, p. 214**

|  |  |
| --- | --- |
| Attributes | Description |
| leftLabels (Starting  Column Labels) | Semantically equivalent to startLabels.  … |

**Issue #6: [CLOSED]**

**Part 4, §19.1.2.1, “arc (Arc Segment)”, attribute** dgmlayoutmru**, p. 301**

|  |  |
| --- | --- |
| Attributes | Description |
| dgmlayoutmru (Diagram Node  Recent Layout  Identifier)  … | Specifies the kind of automatic layout most recently used on the child elements of the diagram node. This is only meaningful if the shape is a node in an organization chart, which is denoted by the orgchart value of the editas attribute of the group element.  … |

**Part 4, §19.1.2.3, “curve (Bezier Curve)”, attribute** dgmlayoutmru**, p. 331**

|  |  |
| --- | --- |
| Attributes | Description |
| dgmlayoutmru (Diagram Node  Recent Layout  Identifier)  … | Specifies the kind of automatic layout most recently used on the child elements of the diagram node. This is only meaningful if the shape is a node in an organization chart, which is denoted by the orgchart value of the editas attribute of the group element.  … |

**Part 4, §19.1.2.7, “group (Shape Group)”, attribute** dgmlayoutmru**, p. 372**

|  |  |
| --- | --- |
| Attributes | Description |
| dgmlayoutmru (Diagram Node  Recent Layout  Identifier)  … | Specifies the kind of automatic layout most recently used on the child elements of the diagram node. This is only meaningful if the shape is a node in an organization chart, which is denoted by the orgchart value of the editas attribute of the group element.  … |

**Part 4, §19.1.2.10, “image (Image File)”, attribute** dgmlayoutmru**, p. 402**

|  |  |
| --- | --- |
| Attributes | Description |
| dgmlayoutmru (Diagram Node  Recent Layout  Identifier)  … | Specifies the kind of automatic layout most recently used on the child elements of the diagram node. This is only meaningful if the shape is a node in an organization chart, which is denoted by the orgchart value of the editas attribute of the group element.  … |

**Part 4, §19.1.2.12, “line (Line)”, attribute** dgmlayoutmru**, p. 438**

|  |  |
| --- | --- |
| Attributes | Description |
| dgmlayoutmru (Diagram Node  Recent Layout  Identifier)  … | Specifies the kind of automatic layout most recently used on the child elements of the diagram node. This is only meaningful if the shape is a node in an organization chart, which is denoted by the orgchart value of the editas attribute of the group element.  … |

**Part 4, §19.1.2.13, “oval (Oval)”, attribute** dgmlayoutmru**, p. 464**

|  |  |
| --- | --- |
| Attributes | Description |
| dgmlayoutmru (Diagram Node  Recent Layout  Identifier)  … | Specifies the kind of automatic layout most recently used on the child elements of the diagram node. This is only meaningful if the shape is a node in an organization chart, which is denoted by the orgchart value of the editas attribute of the group element.  … |

**Part 4, §19.1.2.15, “polyline (Multiple Path Line)”, attribute** dgmlayoutmru**, p. 499**

|  |  |
| --- | --- |
| Attributes | Description |
| dgmlayoutmru (Diagram Node  Recent Layout  Identifier)  … | Specifies the kind of automatic layout most recently used on the child elements of the diagram node. This is only meaningful if the shape is a node in an organization chart, which is denoted by the orgchart value of the editas attribute of the group element.  … |

**Part 4, §19.1.2.16, “rect (Rectangle)”, attribute** dgmlayoutmru**, p. 525**

|  |  |
| --- | --- |
| Attributes | Description |
| dgmlayoutmru (Diagram Node  Recent Layout  Identifier)  … | Specifies the kind of automatic layout most recently used on the child elements of the diagram node. This is only meaningful if the shape is a node in an organization chart, which is denoted by the orgchart value of the editas attribute of the group element.  … |

**Part 4, §19.1.2.17, “roundrect (Rounded Rectangle)”, attribute** dgmlayoutmru**, p. 552**

|  |  |
| --- | --- |
| Attributes | Description |
| dgmlayoutmru (Diagram Node  Recent Layout  Identifier)  … | Specifies the kind of automatic layout most recently used on the child elements of the diagram node. This is only meaningful if the shape is a node in an organization chart, which is denoted by the orgchart value of the editas attribute of the group element.  … |

**Part 4, §19.1.2.19, “shape (Shape Definition)”, attribute** dgmlayoutmru**, p. 585**

|  |  |
| --- | --- |
| Attributes | Description |
| dgmlayoutmru (Diagram Node  Recent Layout  Identifier)  … | Specifies the kind of automatic layout most recently used on the child elements of the diagram node. This is only meaningful if the shape is a node in an organization chart, which is denoted by the orgchart value of the editas attribute of the group element.  … |

**Part 4, §19.1.2.20, “shapetype (Shape Template)”, attribute** dgmlayoutmru**, p. 613**

|  |  |
| --- | --- |
| Attributes | Description |
| dgmlayoutmru (Diagram Node  Recent Layout  Identifier)  … | Specifies the kind of automatic layout most recently used on the child elements of the diagram node. This is only meaningful if the shape is a node in an organization chart, which is denoted by the orgchart value of the editas attribute of the group element.  … |

**Issue #7: [CLOSED]**

**Part 4, §15.3.4, “Modified content for Date Conversion for Serial Date-Times (Part 1, §18.17.4.1)”, p. 212**

Change

* In the 1904 date system, the lower limit is January 1st, 0001, 00:00:00, which has a serial date-time of -  
  695055. …

To

* In the 1904 date system, the lower limit is January 1st, 0001, 00:00:00, which has a serial date-time of ‑695055. …

by using a non-breaking hyphen instead of a hyphen.

**Issue #8: [CLOSED]**

*[Editor: Agreed]*

**Part 1, §12.3, “Part Summary”, p. 67**

|  |  |  |  |
| --- | --- | --- | --- |
| Part | Relationship Target of | Root Element | Ref. |
| Revision Log | Revision Headers |  | §12.3.17 |

**Issue #9: [CLOSED]**

**Part 1, §18.10.1.73, “pivotTableDefinition (PivotTable Definition)”, p. 1923**

|  |  |
| --- | --- |
| Attributes | Description |
| autoFormatId  (Auto Format Id) | …  Annex G.3~~D~~ contains a listing of the supported PivotTable AutoFormats, example formatting, and a sample workbook with each of those AutoFormats applied.  … |

**Part 1, §18.11.1.8, “raf (Revision AutoFormat)”, p. 1969**

|  |  |
| --- | --- |
| Attributes | Description |
| autoFormatId  (Auto Format Id) | …  Annex G.3~~D~~ contains a listing of the supported PivotTable AutoFormats, example formatting, and a sample workbook with each of those AutoFormats applied.  … |

**Part 1, §18.12.2, “queryTable (Query Table)”, p. 1990**

|  |  |
| --- | --- |
| Attributes | Description |
| autoFormatId  (Auto Format Id) | …  Annex G.3~~D~~ contains a listing of the supported PivotTable AutoFormats, example formatting, and a sample workbook with each of those AutoFormats applied.  … |

**Issue #10: [CLOSED]**

**Part 1, §18.10.1.45, “item (PivotTable Field Item)”, pp. 1866–1867**

|  |  |
| --- | --- |
| Attributes | Description |
| x (Item Index) | …  [Example: In the following example, "Product Category" and "Product Subcategory" are  on the row axis of the PivotTable, in that order.  <rowFields count="2">  <field x="7"/>  <field x="8"/>  </rowFields~~field~~ >  end example]  … |

**Issue #11: [CLOSED]**

**Part 1, §18.3.1.13, “col (Column Width & Formatting)”, attribute bestFit, p. 1600**

|  |  |
| --- | --- |
| Attributes | Description |
| bestFit (Best Fit  Column Width) | Flag indicating if the specified column(s) is set to 'best fit'. 'Best fit' is set to true under  these conditions:   * The column width has never been manually set by the user, AND * The column width is not the default width   'Best fit' means that when numbers are typed into a cell contained in a 'best fit' column, the column width should automatically resize to display the number. [Note: In best fit cases, column width must not be made smaller, only larger. end note]  … |

**Issue #12: [CLOSED]**

**Part 1, §18.3.1.13, “col (Column Width & Formatting)”, attribute collapsed, p. 1600**

In section 18.3.1.13 in Part 1, page 1,597: In the description of the attribute @collapsed, I think that ‘See description of row collapsed…’ should be ‘See description of row element’s collapsed attribute…’.

|  |  |
| --- | --- |
| Attributes | Description |
| collapsed  (Collapsed) | Flag indicating if the outlining of the affected column(s) is in the collapsed state. See  description of row element’s collapsed attribute (§18.3.1.73) and outlinePr element's summaryBelow and summaryRight attributes (§18.3.1.61) for detailed information.  … |

**Issue #13: [CLOSED]**

**Part 1, §18.3.1.73, “row (Row)”, attribute thickBot, p. 1680**

|  |  |
| --- | --- |
| Attributes | Description |
| thickBot (Thick  Bottom) | …  Medium borders are these enumeration values from the Styles Part:   * mediumDashDotDot * slantDashDot * mediumDashDot * mediumDashed * medium * ~~Thick borders are these enumeration values from the Styles Part:~~ * ~~thick~~ * ~~double~~   Thick borders are these enumeration values from the Styles Part:   * thick * double   … |

**Issue #14: [CLOSED]**

**Part 1, §18.5.1.2, “table (Table)”, attribute displayName, p. 1729**

|  |  |
| --- | --- |
| Attributes | Description |
| displayName (Table  Name) | …  This name shall not have any spaces in it, and it shall be unique amongst all other displayNames and definedNames in the workbook. The character lengths and restrictions are the same as for definedNames. See §18.2.6~~SpreadsheetML Reference - Workbook definedNames section~~ for details  … |

**Issue #15: [CLOSED]**

**Part 1, §18.5.1.2, “table (Table)”, attribute insertRow, p. 1730**

|  |  |
| --- | --- |
| Attributes | Description |
| insertRow (Insert  Row Showing) | A Boolean value indicating whether the insert row is showing. True when the insert row is showing, false otherwise.  The insert row should only be shown if the table has no data.  ~~When a user clicks the insert row in the UI, it provides them an easy way to enter data into a table.~~  … |

**Issue #16: [CLOSED]**

**Part 1, §17.13.5.7, “customXmlInsRangeStart (Custom XML Markup Insertion Start)”, p. 822**

~~This element specifies the end of a region within which all custom XML markup has been inserted and tracked as a revision. The id attribute on this element shall be used to link this element with the corresponding custom XML markup insertion start marker in the document.~~

~~Providing a physical representation of the start and end tags of custom XML markup results in regions which can be inserted and deleted independently, but cannot be encapsulated by a single revision element, since their representation in WordprocessingML is the start or end XML tag for the custom XML markup which it represents. Therefore, the start/end "cross structure" annotation format surrounds the WordprocessingML region to which this insertion applies.~~

~~The following restrictions shall be applied to this element:~~

* ~~If this element occurs without a corresponding customXmlInsRangeStart element (§17.13.5.7) with a matching id attribute value, then it shall be ignored and no insertions shall be present in the document.~~
* ~~If this element and its paired start encapsulate a range with no custom XML markup, then they shall be ignored and can be omitted when the document is subsequently saved.~~
* ~~If multiple end elements exist with the same id attribute value, then the first instance in the document shall be used and subsequent elements should be treated as unmatched (no corresponding start).~~

**Issue #17: [CLOSED]**

**Part 1, §19.7.20, “ST\_TLAnimateBehaviorCalcMode (Time List Animate Behavior Calculate Mode)”, p. 2703**

|  |  |
| --- | --- |
| Enumeration Value | Description |
| discrete (Calc Mode Enum ( Discrete )) | D~~e~~iscrete |

**Issue #18: [CLOSED]**

**Part 1, §19.3.1.48, “19.3.1.48 timing (Slide Timing Information for a Slide Layout)”, pp. 2590–2591**  
More information on the specifics of these time nodes and how they are to be defined can be found within the Animation section of the PresentationML framework (§19.5).

**Issue #19: [OPEN]**

Use an undated reference instead.

**Part 1, §3, “Normative References”, p. 7**  
ISO/IEC 14496-22~~:2009~~, *Information technology — Coding of audio-visual objects — Part 22: Open Font Format*

**Part 1, §15.2.13, “Font Part”, p. 157**

* …
* application/x-font-ttf specifies that the font shall be stored in a format conforming to Open Font Structure defined in ISO/IEC 14496-22~~:2008 §3.5~~. [Note: The TrueType Collection format defined in ISO/IEC 14496-22~~:2008 §3.6~~ cannot be used. end note]
* application/vnd.openxmlformats officedocument.obfuscatedFont specifies that the font is obfuscated using the algorithm specified by Font Embedding (§17.8.1). The source font shall be stored in a format conforming to Open Font Structure defined in ISO/IEC 14496-22~~:2008 §3.5~~. [Note: The TrueType Collection format defined in ISO/IEC 14496-22~~:2008 §3.6~~ cannot be used. end note] Only packages of type WordprocessingML are permitted to reference this content type.

If a font is stored in the ISO/IEC 14496-22~~:2007~~ format, it shall only be used when stored as an individual font. [Note: Font collections should be converted into individual fonts before they are embedded using this part. end note]

**Part 1, §17.8.3.12, “notTrueType (Not a TrueType outline Font)”, p. 686**

This element specifies that this font is not a font including TrueType outline in a format conforming to ISO/IEC 14496-22~~:2007~~. …

If this element is omitted, then the font shall be assumed to be a font including TrueType outline in a format conforming to ISO/IEC 14496-22~~:2007~~.

**Part 1, §17.8.3.13, “panose1 (Panose-1 Typeface Classification Number)”, p. 686**

This element specifies the Panose-1 classification number from~~shown in~~ ~~§5.2.7.17 of~~ ISO/IEC 14496-22. This

**Part 1, §17.8.3.16, “sig (Supported Unicode Subranges and Code Pages)”, p. 688**

This element specifies information identifying the code pages and Unicode subranges for which the parent font provides glyphs using the mechanism defined ~~in §5.2.7.18 and §5.2.7.28 of~~ ISO/IEC 14496-22.

**Part 1, §17.8.3.16, “sig (Supported Unicode Subranges and Code Pages)”, attribute csb0, p. 689**

Specifies a four digit hexadecimal encoding of the first 32 bits of the 64-bit code-page bit field that identifies which specific character sets or code pages are supported by the parent font using the format defined by ulCodePageRange1 in ~~§5.2.7.28 of~~ ISO/IEC 14496-22.

**Part 1, §17.8.3.16, “sig (Supported Unicode Subranges and Code Pages)”, attribute csb1, pp. 689–690**

Specifies a four digit hexadecimal encoding of the upper 32 bits of the 64-bit code-page bit field that identifies which specific character sets or code pages are supported by the parent font using the format defined by ulCodePageRange2 in ~~§5.2.7.28 of~~ ISO/IEC 14496-22.

**Part 1, §17.8.3.16, “sig (Supported Unicode Subranges and Code Pages)”, attribute usb0, p. 690**

Specifies the first 32 bits of the 128-bit Unicode subset bit field (USB) as defined by ulUnicodeRange1 ~~of §5.2.7.18~~ of ISO/IEC 14496-22.

**Part 1, §17.8.3.16, “sig (Supported Unicode Subranges and Code Pages)”, attribute usb1, p. 690**

Specifies the second 32 bits of the 128-bit Unicode subset bit field (USB) as defined by ulUnicodeRange2 ~~of §5.2.7.18~~ of ISO/IEC 14496-22.

**Part 1, §17.8.3.16, “sig (Supported Unicode Subranges and Code Pages)”, attribute usb2, p. 691**

Specifies the third 32 bits of the 128-bit Unicode subset bit field (USB) as defined by ulUnicodeRange3 ~~of §5.2.7.18~~ of ISO/IEC 14496-22.

**Part 1, §17.8.3.16, “sig (Supported Unicode Subranges and Code Pages)”, attribute usb2, p. 691**

Specifies the fourth 32 bits of the 128-bit Unicode subset bit field (USB) as defined by ulUnicodeRange4 ~~of §5.2.7.18~~ of ISO/IEC 14496-22.

**Part 1, §19.2.1.13, “font (Embedded Font Name)”, attribute panose, p. 2531**

Specifies the Panose-1 classification number for the current font using the mechanism defined in ~~§4.2.7.17 of~~ ISO/IEC 14496-22:2007.

**Part 1, §21.1.2.3.1, “cs (Complex Script Font)”, attribute panose, p. 3230**

Specifies the Panose-1 classification number for the current font using the mechanism defined in ~~§5.2.7.17 of~~ ISO/IEC 14496-22.

**Part 1, §21.1.2.3.3, “ea (East Asian Font)”, attribute panose, pp. 3236–3237**

Specifies the Panose-1 classification number for the current font using the mechanism Setting) defined in ~~§5.2.7.17 of~~ ISO/IEC 14496-22.

**Part 1, §21.1.2.3.7, “latin (Latin Font)”, attribute panose, pp. 3242–3243**

Specifies the Panose-1 classification number for the current font using the mechanism defined in ~~§5.2.7.17 of~~ ISO/IEC 14496-22.

**Part 1, §21.1.2.3.10, “sym (Symbol Font)”, attribute panose, p. 3250**

Specifies the Panose-1 classification number for the current font using the mechanism defined in ~~§5.2.7.17 of~~ ISO/IEC 14496-22.

**Part 1, §21.1.2.4.6, “buFont (Specified)”, attribute panose, p. 3261–3262**

Specifies the Panose-1 classification number for the current font using the mechanism Setting) defined in ~~§5.2.7.17 of~~ ISO/IEC 14496-22.

**Part 1, §22.9.2.8, “ST\_Panose (Panose-1 Number)”, attribute panose, p. 3261–3262**

This simple type specifies a Panose-1 font classification. This value is used as one piece of information to guide selection of a similar alternate font if the desired font is unavailable.

[Guidance: When 29500 was initially written, ISO/IEC 14496-22 ~~refers to~~meant the Panose specification dated 1997, but some implementations of ISO/IEC 29500 ~~may~~ followed an earlier~~older precursor~~ version of the Panose specification. Some values between the two versions are incompatible and the handling of these differences is implementation-defined. …

**Issue #xx: [OPEN]**

**Part x, §xx.xx, “xxx”, pp. xx–xx**

Changes to Part 1: Y Part 2: N Part 3: N Part 4: Y