DR 09-0037 — PML, Presentation: Clarify description of properties in embeddedFontLst

Status: Further Consideration Required

Subject: PML, Presentation: Clarify description of properties in embeddedFontLst

Qualifier: Request for clarification

Submitter: JISC Organization: (JP)

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Submitter’s Defect Number: 08-00010

Supporting Document(s): none

Date Circulated by Secretariat: 2009-01-28

Deadline for Response from Editor: 2009-03-28

IS 29500 Reference(s): initially 29500:2011, then 29500:2012 Part 1, §19.2.1.10, “font (Embedded Font List)”

Related DR(s): none

Nature of the Defect:

The entry of the referred to font in the embeddedFontLst, "font (Embedded Font Name)" (§19.2.1.13) includes the properties like charset, panose, and pitchFamily, but they are already specified in the referencing part by the feature of DrawingML, or it should be described how the inconsistency should be handled when they are different between the referencing part and the referred to part. In the case of WordprocessingML, this information is not specified in the referencing part "rFont"; they are collected in "Font Table".

Solution Proposed by the Submitter:

None

Schema Change(s) Needed:

No

**Editor’s Response:**

**2009-06-17 Shawn Villaron:**

We have two choices in terms of how we handle this defect report:

1. We can specify that the charset, panose and pitchFamily attributes are to be ignored if otherwise specified; or,
2. We can remove them from the standard altogether.

I’m looking for guidance here.  I’m normally not inclined to remove things from the standard as I always worry that some implementer that I’m not aware of is writing this information.  That said, based on my limited research, I do not know of anyone writing out these attributes.

Here is the markup for choice 1:

**Part 1, §19.2.1.13, “font (Embedded Font Name)”, p. 2,777–2779**

| **Attributes** | **Description** |
| --- | --- |
| charset (Similar Character Set)Namespace: .../drawingml/2006/main | …

| **Value** | **Description** |
| --- | --- |
| 0x00 | Specifies the ANSI character set. (IANA name iso-8859-1) |
| … | … |
| Any other value | Application-defined, can be ignored. |

If a charset is specified elsewhere, this attribute should be ignored.… |
| panose (Panose Setting)Namespace: .../drawingml/2006/main | 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.If a charset is specified elsewhere, this attribute should be ignored.The possible values for this attribute are defined by the ST\_Panose simple type (§22.9.2.8). |
| pitchFamily (Similar Font Family)Namespace: .../drawingml/2006/main | …This information is determined by querying the font when present and shall not be modified when the font is not available. This information can be used in font substitution logic to locate an appropriate substitute font when this font is not available.If a charset is specified elsewhere, this attribute should be ignored.The possible values for this attribute are defined by the W3C XML Schema byte datatype. |

[Note: The W3C XML Schema definition of this element’s content model (CT\_TextFont) is located in §A.4.1. end note]

And here is the markup for choice 2:

**Part 1, §19.2.1.13, “font (Embedded Font Name)”, p. 2,777–2779**

| **Attributes** | **Description** |
| --- | --- |
| ~~charset (Similar Character Set)~~~~Namespace: .../drawingml/2006/main~~ | ~~Specifies the character set which is supported by the parent font. This information can be used in font substitution logic to locate an appropriate substitute font when this font is not available. This information is determined by querying the font when present and shall not be modified when the font is not available.~~~~The value of this attribute shall be interpreted as follows:~~

| **~~Value~~** | **~~Description~~** |
| --- | --- |
| ~~0x00~~ | ~~Specifies the ANSI character set. (IANA name iso-8859-1)~~ |
| ~~0x01~~ | ~~Specifies the default character set.~~ |
| ~~0x02~~ | ~~Specifies the Symbol character set. This value specifies that the characters in the Unicode private use area (U+FF00 to U+FFFF) of the font should be used to display characters in the range U+0000 to U+00FF.~~ |
| ~~0x4D~~ | ~~Specifies a Macintosh (Standard Roman) character set. (IANA name macintosh)~~ |
| ~~0x80~~ | ~~Specifies the JIS character set. (IANA name shift\_jis)~~ |
| ~~0x81~~ | ~~Specifies the Hangul character set. (IANA name ks\_c\_5601-1987)~~ |
| ~~0x82~~ | ~~Specifies a Johab character set. (IANA name KS C-5601-1992)~~ |
| ~~0x86~~ | ~~Specifies the GB-2312 character set. (IANA name GBK)~~ |
| ~~0x88~~ | ~~Specifies the Chinese Big Five character set. (IANA name Big5)~~ |
| ~~0xA1~~ | ~~Specifies a Greek character set. (IANA name windows-1253)~~ |
| ~~0xA2~~ | ~~Specifies a Turkish character set. (IANA name iso-8859-9)~~ |
| ~~0xA3~~ | ~~Specifies a Vietnamese character set. (IANA name windows-1258)~~ |
| ~~0xB1~~ | ~~Specifies a Hebrew character set. (IANA name windows-1255)~~ |
| ~~0xB2~~ | ~~Specifies an Arabic character set. (IANA name windows-1256)~~ |
| ~~0xBA~~ | ~~Specifies a Baltic character set. (IANA name windows-1257)~~ |
| ~~0xCC~~ | ~~Specifies a Russian character set. (IANA name windows-1251)~~ |
| ~~0xDE~~ | ~~Specifies a Thai character set. (IANA name windows-874)~~ |
| ~~0xEE~~ | ~~Specifies an Eastern European character set. (IANA name windows-1250)~~ |
| ~~0xFF~~ | ~~Specifies an OEM character set not defined by ISO/IEC 29500.~~ |
| ~~Any other value~~ | ~~Application-defined, can be ignored.~~ |

~~The possible values for this attribute are defined by the W3C XML Schema byte datatype.~~ |
| ~~panose (Panose Setting)~~~~Namespace: .../drawingml/2006/main~~ | ~~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.~~~~The possible values for this attribute are defined by the ST\_Panose simple type (§22.9.2.8).~~ |
| ~~pitchFamily (Similar Font Family)~~~~Namespace: .../drawingml/2006/main~~ | ~~Specifies the font pitch as well as the font family for the corresponding font. Because the value of this attribute is determined by a byte variable this value shall be interpreted as follows:~~

| **~~Value~~** | **~~Description~~** |
| --- | --- |
| ~~0x00~~ | ~~DEFAULT PITCH + UNKNOWN FONT FAMILY~~ |
| ~~0x01~~ | ~~FIXED PITCH + UNKNOWN FONT FAMILY~~ |
| ~~0x02~~ | ~~VARIABLE PITCH + UNKNOWN FONT FAMILY~~ |
| ~~0x10~~ | ~~DEFAULT PITCH + ROMAN FONT FAMILY~~ |
| ~~0x11~~ | ~~FIXED PITCH + ROMAN FONT FAMILY~~ |
| ~~0x12~~ | ~~VARIABLE PITCH + ROMAN FONT FAMILY~~ |
| ~~0x20~~ | ~~DEFAULT PITCH + SWISS FONT FAMILY~~ |
| ~~0x21~~ | ~~FIXED PITCH + SWISS FONT FAMILY~~ |
| ~~0x22~~ | ~~VARIABLE PITCH + SWISS FONT FAMILY~~ |
| ~~0x30~~ | ~~DEFAULT PITCH + MODERN FONT FAMILY~~ |
| ~~0x31~~ | ~~FIXED PITCH + MODERN FONT FAMILY~~ |
| ~~0x32~~ | ~~VARIABLE PITCH + MODERN FONT FAMILY~~ |
| ~~0x40~~ | ~~DEFAULT PITCH + SCRIPT FONT FAMILY~~ |
| ~~0x41~~ | ~~FIXED PITCH + SCRIPT FONT FAMILY~~ |
| ~~0x42~~ | ~~VARIABLE PITCH + SCRIPT FONT FAMILY~~ |
| ~~0x50~~ | ~~DEFAULT PITCH + DECORATIVE FONT FAMILY~~ |
| ~~0x51~~ | ~~FIXED PITCH + DECORATIVE FONT FAMILY~~ |
| ~~0x52~~ | ~~VARIABLE PITCH + DECORATIVE FONT FAMILY~~ |

~~This information is determined by querying the font when present and shall not be modified when the font is not available. This information can be used in font substitution logic to locate an appropriate substitute font when this font is not available.~~~~The possible values for this attribute are defined by the W3C XML Schema byte datatype.~~ |

**2010-03-25 Stockholm meeting:**

Reviewed Shawn’s email of 2010-03-18. We chose Choice 2, “Remove the attributes from the standard”. Move to Last Call (AMD).

**2015-09-21/24 Beijing meeting:**

We revisited this issue, and decided the resolution made back in 2010 was wrong. The new resolution is below, and will be included in COR3B. Essentially, we now will take Shawn’s Choice 1 with two changes:

1. Under certain circumstances, instead of ignoring these attributes, we’ll make that application-dependent.
2. We’ll change the namespaces to purl.oclc.org (as required by DR 08-0012).

**Part 1, §19.2.1.13, “font (Embedded Font Name)”, pp. 2,523–2,524**

Font Substitution Logic:

…

[Note: Not all characters for a typeface must be stored. It is up to the generating application to determine which characters are to be stored in the corresponding font data files. end note]

If ambiguities exist between properties in the markup of a body of text that refers to an embedded font (such as the latin element specified in §21.1.2.3.7) and properties in the markup of the corresponding instance of this embedded font element, the determination whether to use that embedded font is application-dependent behavior. If ambiguities exist between properties in the markup of an instance of this embedded font element and properties within the corresponding embedded Font part as specified in §15.2.13, the determination whether to use that embedded font is application-dependent behavior.

|  |  |
| --- | --- |
| Attributes | Description |
| charset (Similar Character Set)Namespace: http://purl.oclc.org/ooxml/drawingml/main | Specifies the character set that is supported by the parent font. This information can be used in font substitution logic to locate an appropriate substitute font when this font is not available. This information is determined by querying the font when present and shall not be modified when the font is not available.The value of this attribute shall be interpreted as follows:

| **Value** | **Description** |
| --- | --- |
| 0x00 | Specifies the ANSI character set. (IANA name iso-8859-1) |
| 0x01 | Specifies the default character set. |
| 0x02 | Specifies the Symbol character set. This value specifies that the characters in the Unicode private use area (U+FF00 to U+FFFF) of the font should be used to display characters in the range U+0000 to U+00FF. |
| 0x4D | Specifies a Macintosh (Standard Roman) character set. (IANA name macintosh) |
| 0x80 | Specifies the JIS character set. (IANA name shift\_jis) |
| 0x81 | Specifies the Hangul character set. (IANA name ks\_c\_5601-1987) |
| 0x82 | Specifies a Johab character set. (IANA name KS C-5601-1992) |
| 0x86 | Specifies the GB-2312 character set. (IANA name GBK) |
| 0x88 | Specifies the Chinese Big Five character set. (IANA name Big5) |
| 0xA1 | Specifies a Greek character set. (IANA name windows-1253) |
| 0xA2 | Specifies a Turkish character set. (IANA name iso-8859-9) |
| 0xA3 | Specifies a Vietnamese character set. (IANA name windows-1258) |
| 0xB1 | Specifies a Hebrew character set. (IANA name windows-1255) |
| 0xB2 | Specifies an Arabic character set. (IANA name windows-1256) |
| 0xBA | Specifies a Baltic character set. (IANA name windows-1257) |
| 0xCC | Specifies a Russian character set. (IANA name windows-1251) |
| 0xDE | Specifies a Thai character set. (IANA name windows-874) |
| 0xEE | Specifies an Eastern European character set. (IANA name windows-1250) |
| 0xFF | Specifies an OEM character set not defined by ISO/IEC 29500. |
| Any other value | Application-defined, can be ignored. |

The possible values for this attribute are defined by the W3C XML Schema byte datatype. |
| panose (Panose Setting)Namespace: http://purl.oclc.org/ooxml/drawingml/main | 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.The possible values for this attribute are defined by the ST\_Panose simple type (§22.9.2.8). |
| pitchFamily (Similar Font Family)Namespace: http://purl.oclc.org/ooxml/drawingml/main | Specifies the font pitch as well as the font family for the corresponding font. Because the value of this attribute is determined by a byte variable this value shall be interpreted as follows:

| **Value** | **Description** |
| --- | --- |
| 0x00 | DEFAULT PITCH + UNKNOWN FONT FAMILY |
| 0x01 | FIXED PITCH + UNKNOWN FONT FAMILY |
| 0x02 | VARIABLE PITCH + UNKNOWN FONT FAMILY |
| 0x10 | DEFAULT PITCH + ROMAN FONT FAMILY |
| 0x11 | FIXED PITCH + ROMAN FONT FAMILY |
| 0x12 | VARIABLE PITCH + ROMAN FONT FAMILY |
| 0x20 | DEFAULT PITCH + SWISS FONT FAMILY |
| 0x21 | FIXED PITCH + SWISS FONT FAMILY |
| 0x22 | VARIABLE PITCH + SWISS FONT FAMILY |
| 0x30 | DEFAULT PITCH + MODERN FONT FAMILY |
| 0x31 | FIXED PITCH + MODERN FONT FAMILY |
| 0x32 | VARIABLE PITCH + MODERN FONT FAMILY |
| 0x40 | DEFAULT PITCH + SCRIPT FONT FAMILY |
| 0x41 | FIXED PITCH + SCRIPT FONT FAMILY |
| 0x42 | VARIABLE PITCH + SCRIPT FONT FAMILY |
| 0x50 | DEFAULT PITCH + DECORATIVE FONT FAMILY |
| 0x51 | FIXED PITCH + DECORATIVE FONT FAMILY |
| 0x52 | VARIABLE PITCH + DECORATIVE FONT FAMILY |

This information is determined by querying the font when present and shall not be modified when the font is not available. This information can be used in font substitution logic to locate an appropriate substitute font when this font is not available.The possible values for this attribute are defined by the W3C XML Schema byte datatype. |
| typeface (Text Typeface)… | … |

…

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