INTERNATIONAL STANDARD ISO/IEC 14496-18:2004
TECHNICAL CORRIGENDUM 1

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Information technology — Coding of audio-visual objects —

Part 18:
Font compression and streaming

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Codage des objets audiovisuels —

Partie 18: Compression et transmission de polices de caractères

RECTIFICATIF TECHNIQUE 1

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In subclause 4.2.4.7, replace the first 20 lines of Table 9 with the following:

0	2	0	8	N/A	0	N/A	+
1					0		–
2					256		+
3					256		–
4					512		+
5					512		–
6					768		+
7					768		–
8					1024		+
9					1024		–
10	2	8	0	0	N/A	+	N/A
11				0		–	
12				256		+	
13				256		–	
14				512		+	
15				512		–	
16				768		+	
17				768		–	
18				1024		+	
19				1024		–	

In subclause 5.2.1, replace the text of the first paragraph:

A font data access unit conveys data for one single font, or a subset thereof. Two access unit formats are specified, discriminated by the DecoderSpecificInfo for the font data stream (see subclause 5.4). Only one of these access unit formats can be selected for a given font data stream.

with the following text:

A font data access unit conveys data for one single font, or a subset thereof. Fonts may support a wide variety of different languages and may have a large number of glyphs. While there are some fonts that support, for example, full Latin character set, there are other fonts that support only English alphabet, which can be considered a subset of Latin characters.

When a font is used for text rendering, only a limited number of glyphs can be utilized, and the transmission of the whole font may not be necessary. In order to reduce the amount of data sent, and to improve the efficiency of the font data streams, fonts can be reduced in size (subsetted) by keeping only those glyphs that are utilized in a particular text fragment, and the additional required general font information. Therefore, the font subsets are complete, self-sufficient and fully functional fonts containing a limited number of glyphs. A font subset shall be conformant to the `fontFormat` specified in the header of the access unit. When the value of `fontFormat` is `0x01`, `0x02` or `0x08`, the content of `fontData` shall be conformant to OpenType specification, containing, at least, all required tables specified by the OpenType specification.

Two access unit formats are specified, discriminated by the DecoderSpecificInfo for the font data stream (see subclause 5.4). Only one of these access unit formats can be selected for a given font data stream.