

## DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2019/01/18
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Correction Number	CP-1626
Log Summary:	Correct Attribute Types in Text Style
Name of Standard	PS3.3 2018e
Rationale for Correction:	Conditionality of attributes in the Text Style Sequence (for Presentation States) is incorrect – some are Type 3 but have clause “Required if...” and therefore must then be Type 1C, some are Type 1 but may be inapplicable and therefore must be Type 1C and need a “Required if...”.
Correction Wording:	

**Amend PS3.3 Section C.10.5.1.3.12**

**Table C.10-5a. Text Style Sequence Macro Attributes**

Attribute Name	Tag	Type	Attribute Description
Text Style Sequence	(0070,0231)	3	Sequence that describes the text style. Only a single Item shall be included in this Sequence.
>Font Name	(0070,0227)	3	Font name in a standard type.
>Font Name Type	(0070,0228)	1C	Defined Terms: ISO_32000  Required if Font Name (0070,0227) is present.  <b>Note</b> <i>This is the font naming system used by Adobe PDF and defined in ISO/IEC 14496-22.</i>
>CSS Font Name	(0070,0229)	1	Generic font name as defined within CSS (Cascading Style Sheets). Default fontname, if the font specified in Font Name (0070,0227) is not present or can not be rendered.
>Text Color CIELab Value	(0070,0241)	1	A default color triplet value used to specify the text color in which it is recommended that the text be rendered on a color display. The units are specified in PCS-Values, and the value is encoded as CIELab. See <a href="#">Section C.10.7.1.1</a> .  This value shall override the Graphic Layer Recommended Display CIELab Value (0070,0401).
>Horizontal Alignment	(0070,0242)	<del>3</del> 1C	Specifies the horizontal position of the text relative to the vertical edges of the bounding box. Horizontal Alignment shall

			<p>override the Bounding Box Text Horizontal Justification (0070,0012) of the Text Object Sequence Item. See <a href="#">Section C.10.5.1.3.12.1</a></p> <p>Enumerated Values:</p> <p>LEFT</p> <p>CENTER</p> <p>RIGHT</p> <p>Required if Bounding Box Top Left Hand Corner (0070,0010) is present.</p>
>Vertical Alignment	(0070,0243)	<b>31C</b>	<p>Specifies the vertical position of the text relative to the horizontal edges of the bounding box. See <a href="#">Section C.10.5.1.3.12.1</a></p> <p>Enumerated Values:</p> <p>TOP</p> <p>CENTER</p> <p>BOTTOM</p> <p>Required if Bounding Box Top Left Hand Corner (0070,0010) is present.</p>
>Shadow Style	(0070,0244)	1	<p>The shadow style of the text to be displayed.</p> <p>Enumerated Values:</p> <p>NORMAL the shadow is drawn on 1 side of the contour of the text object</p> <p>OUTLINED the shadow is drawn around the contour of the text object</p> <p>OFF no shadow</p> <p>See <a href="#">Section C.10.5.1.3.13.1</a></p>
>Shadow Offset X	(0070,0245)	<b>1C</b>	<p>Floating point value that defines the shadow offset in X direction in Anchor Point Annotation Units (0070,0004) if used in Text Object Sequence Item or in Graphic Annotation Units (0070,0005) if used in Graphic Object Sequence Item. See <a href="#">Section C.10.5.1.3.13.1</a></p> <p><b>Required if Shadow Style (0070,0244) value is not OFF.</b></p>
>Shadow Offset Y	(0070,0246)	<b>1C</b>	<p>Floating point value that defines the shadow offset in Y direction in Anchor Point Annotation Units (0070,0004) if used in Text Object Sequence Item or in Graphic Annotation Units (0070,0005) if used in Graphic Object Sequence Item. See <a href="#">Section C.10.5.1.3.13.1</a></p> <p><b>Required if Shadow Style (0070,0244) value is not OFF.</b></p>
>Shadow Color CIE Lab Value	(0070,0247)	<b>1C</b>	<p>A color triplet value used to encode the Shadow Color. The units are specified in PCS-Values, and the value is encoded as CIE Lab. See <a href="#">Section C.10.7.1.1</a>.</p> <p><b>Required if Shadow Style (0070,0244) value is not OFF.</b></p>
>Shadow Opacity	(0070,0258)	<b>1C</b>	<p>Encodes the shadow opacity. The value is encoded as floating point alpha value (0.0-1.0).</p>

			<b>Required if Shadow Style (0070,0244) value is not OFF.</b>
>Underlined	(0070,0248)	1	Specifies whether or not the text shall be rendered underlined. Enumerated Values: Y yes N no
>Bold	(0070,0249)	1	Specifies whether or not the text shall be rendered in bold. Enumerated Values: Y yes N no
>Italic	(0070,0250)	1	Specifies whether or not the text shall be rendered italicized. Enumerated Values: Y yes N no