DICOM Correction Item

Correction Number	CP-183
Log Summary: Correct Pixel Ordering Description in the RT Beams Module	

Type of Modification	Name of Standard
Clarification	PS 3.3-1999 w/ Supplements

Rationale for Correction
In the attribute descriptions for Compensator Transmission Data (300A,00EB) and Compensator Thickness Data (300A,00EC), order of pixels is described as follows: "The order of pixels sent is left to right, top to bottom (upper left pixel, followed by the remainder of row 1, followed by the remainder of the columns)". This may be interpreted incorrectly. This shall be worded unambiguously, in a same way as elsewhere in the standard.

Sections of documents affected
PS 3.3-1999 (Information Object Definitions), Section C.8.8.14 (RT Beams Module)

Correction Wording:

In DICOM PS 3.3-1999, Section C.8.8.14 (RT Beams Module), Table C.8-46 (RT Beams Module Attributes), phrase in parentheses should be replaced in the description of the following attributes:

>>Compensator Transmission Data (300A,00EB) 1C A data stream of the pixel samples which comprise the compensator, expressed as broad-beam transmission values (between 0 and 1) along a ray line passing through the pixel, at the beam energy specified by the Nominal Beam Energy (300A,0114) of the first Control Point of the Control Point Sequence (300A,0111). The order of pixels sent is left to right, top to bottom (~~upper left pixel, followed by the remainder of row 1, followed by the remainder of the columns~~, **i.e., the upper left pixel is sent first followed by the remainder of the first row , followed by the first pixel of the 2nd row, then the remainder of the 2nd row and so on**) when viewed from the radiation source. Required if Compensator Sequence (300A,00E3) is sent and Material ID (300A,00E1) is zero-length.

>>Compensator Thickness Data (300A,00EC) 1C A data stream of the pixel samples which comprise the compensator, expressed as thicknesses (in mm) parallel to radiation beam axis. The order of pixels sent is left to right, top to bottom (~~upper left pixel, followed by the remainder of row 1, followed by the remainder of the columns~~, **i.e., the upper left pixel is sent first followed by the remainder of the first row , followed by the first pixel of the 2nd row, then the remainder of the 2nd row and so on**) when viewed from the radiation source. Required if Compensator Sequence (300A,00E3) is sent and Material ID (300A,00E1) is non-zero length.