

DICOM Correction Item

Correction Number		CP-169
Log Summary: Clarify viewing point for compensator data		
Type of Modification: Clarification	Name of Standard PS 3.3-1999	
Rationale for Correction: The RT Plan object provides a mechanism for sending treatment compensator thickness or transmission data, using a two-dimensional pixel grid in the IEC BEAM LIMITING DEVICE coordinate system. The Compensator Position (300A,00EA) specifies the corner of the grid, and the data is sent in row order. However, the viewing direction when sending the data is not explicitly specified.		
Sections of document 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), the phrase in bold should be added in 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) 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) when viewed from the radiation source . Required if Compensator Sequence (300A,00E3) is sent and Material ID (300A,00E1) is non-zero length.		