

DICOM Correction Item

Correction Number		CP-221
Log Summary: Clarification of Dose Scaling in RT Dose Object		
Type of Modification: Clarification	Name of Standard PS 3.3-2000	
<p>Rationale for Correction:</p> <p>Within the RT Dose Module of the RT Dose IOD, the Dose Grid Scaling (3004,000E) attribute specifies how pixel values can be converted to actual radiotherapy dose values. Similarly, in the RT DVH Module the DVH Dose Scaling attribute specifies how DVH bin width values can be converted into bin widths specified in dosimetric terms.</p> <p>The current descriptions for these two attributes do not unambiguously specify the relationship of the operands. This Change Proposal describes this relationship explicitly.</p>		
<p>Sections of document affected:</p> <p>Part 3 (Information Object Definitions), Section C.8.8.3 (RT Dose Module) and C.8.8.4 (RT DVH Module).</p>		
<p>Correction Wording:</p> <p style="margin-left: 40px;">In Part 3, Table C.8-35 (RT Dose Module Attributes), modify the attribute description for Dose Grid Scaling (3004,000E):</p> <p style="margin-left: 40px;">Dose Grid Scaling (3004,0052) 1 Dimensionless scaling factor converting dose data into dose units specified in Dose Units (3004,0002). Scaling factor that when multiplied by the dose grid data found in the Pixel Data (7FE0, 0010) attribute of the Image Pixel Module, yields grid doses in the dose units as specified by Dose Units (3004,0002).</p> <p style="margin-left: 40px;">In Part 3, Table C.8-36 (RT DVH Module Attributes), modify the attribute description for DVH Dose Scaling (3004,0052):</p> <p style="margin-left: 40px;">>DVH Dose Scaling (3004,0052) 1 Dimensionless scaling factor converting dose values found in DVH Data (3004,0058) into dose units specified in Dose Units (3004,0002). Scaling factor that when multiplied by the dose bin widths found in DVH data (3004,0058), yields dose bin widths in the dose units as specified by Dose Units (3004,0002).</p>		