

DICOM Correction Proposal Form

Correction Number		CP-306
Log Summary: Support for negative error dose values in radiotherapy		
Type of Modification: Extension	Name of Standard PS 3.3-2003	
Rationale for Correction: The RT Dose object provides capability to specify error doses, i.e. Dose Type (3004,0004) having a value of ERROR. These error doses may be negative. However, the only legal value for Pixel Representation (0028,0103) is 0000H (unsigned integer). This proposal adds an attribute to the RT Dose object permitting specification of the two's-complement representation for ERROR doses.		
Sections of document affected: Part 3 (Information Object Definitions), Section C.8.8.3 (RT Dose Module)		
Correction Wording: In Part 3, Section C.8.8.3.4.6, the wording shall be modified to read: For RT Doses, Pixel Representation (0028,0103) shall have the enumerated value of 000H (unsigned integer). For RT Dose objects, Pixel Representation (0028,0103) is specified to use the following enumerated values: 0001H = two's complement integer, when Dose Type (3004,0004) = ERROR 0000H = unsigned integer, otherwise.		