

DICOM Correction Item

Correction Number CP-438	
Log Summary: Fraction Group Description	
Type of Modification	Name of Standard
Omission	PS 3 2003
<p>Rationale for Correction:</p> <p>The RT Fraction Scheme module allows the declaration and definition of Fraction Groups within an RT plan. There is no attribute for a user-recognizable <i>Fraction Group Description</i> within the RT plan. The existence of a <i>Fraction Group Description</i> would aid the treatment planner or radiographer to identify a particular fraction. Identification is particularly important at treatment delivery time.</p> <p>The <i>Fraction Group Description</i> could be anything meaningful to the clinical operators. For example, consider a patient being treated for breast cancer using a fraction pattern consisting of 2 fractions. One fraction group, called "BREAST-Mo to Th" may be targeted for treatment Monday to Thursday. The second fraction, called "BREAST – Fri" may be targeted for Friday. If the <i>Fraction Group Description values</i> were available at the point of delivery, then this would aid the radiographer to identify and deliver the correct fraction.</p> <p>The attribute Fraction Group Number (300A, 0071) is used to identify the fraction within a DICOM RT plan. However, it has no other application outside the DICOM Transfer of information. By using a <i>Fraction Group Description</i>, the user identification of fractions is made possible.</p>	
Sections of documents affected	
PS 3.3, C.8.8.13 (RT Fraction Scheme Module); PS 3.6 Section 6 (Registry of DICOM Data Elements)	
Correction Wording:	

In PS 3.3, Section C.8.8.13 (RT Fraction Scheme Module), add the following elements to Table C.8-45 (RT Fraction Scheme Module Attributes) within the Fraction Group Sequence (300A,0070), immediately following the Fraction Group Number (300A,0071):

Attribute Name	Tag	Type	Attribute Description
>Fraction Group Description	(300A,0072)	3	The user defined description for the fraction group.

In PS 3.6, Section 6, add the following new attributes:

Tag	Name	VR	VM
(300A,0072)	Fraction Group Description	LO	1