

DICOM Correction Item

Correction Number		CP-308	
Log Summary: Support for Verification Plans in Radiotherapy			
Type of Modification: Extension		Name of Standard PS 3.3-2003	
Rationale for Correction:			
<p>For certain treatments, which are using new treatment techniques and not yet well-proven, there is a demand to be able to verify the dose distribution against phantoms or plain fields prior to the actual patient treatment. It should be possible to mark plans prepared to define those verification procedures in the DICOM protocol. There already exists a well-suited tag to support it, which is (300A,000A) "Treatment Intent". The list of defined terms should be extended by "VERIFICATION". To know which plan is verified by the current plan, the attribute RT Plan Relationship (300A,0055) should be extended with a new defined term 'VERIFIED PLAN', which allows specification of this relationship.</p>			
Sections of document affected:			
Part 3 (Information Object Definitions), Section C.8.8.9			
Correction Wording:			
In DICOM Part 3, Table C.8-41 (RT General Plan Module Attributes), modify the following attributes:			
Treatment Intent	(300A,000A)	3	Intent of this course of treatment. Defined Terms: CURATIVE PALLIATIVE PROPHYLACTIC VERIFICATION
>RT Plan Relationship	(300A,0055)	1C	Relationship of referenced plan with respect to current plan. Required if Referenced RT Plan Sequence (300C,0002) is sent. Defined Terms: PRIOR = plan delivered prior to current treatment ALTERNATIVE = alternative plan prepared for current treatment PREDECESSOR = plan used in derivation of current plan VERIFIED_PLAN = plan which is verified using the current plan. This value shall only be used if Treatment Intent (300A,000A) is present and has a value of VERIFICATION.