

DICOM Correction Proposal

Status	Letter Ballot
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Correction Number	CP-1530
Log Summary: Add Purpose Code For RT Plan Positioning	
Name of Standard PS3.16	
Rationale for Correction: The proposal adds a new CID to annotate the reference to a specific RT Plan (or RT Ion Plan, or RT Radiation Set) so that it is possible to relate images acquired in the context of a radiotherapy treatment session. Alternatively it would also be possible to add this code to the existing CID 7201. This use case is specified in the IHE Profile TDIC ("Treatment Delivery Image Content") of the Radiation Oncology domain (IHE-RO). Note: cp1559 "Re-use reference mechanism from General Image Module in other context" deals with the referencing approach in a general sense.	
Correction Wording:	

In Part 3.16, add the following code to CID TBD and add the following Code in Appendix B.

CID XXX1 Non-Waveform Purposes of Reference
Context ID XXX1
Non-Waveform Purposes of Reference
Type: Extensible Version: YYYYMMDD

Coding Scheme Designator	Code Value	Code Meaning
<u>DCM</u>	<u>ccc1</u>	<u>RT Treatment Session Positioning Verification</u>

In Part 3.16, add the following Code in Appendix D DICOM Controlled Terminology Definitions (Normative):

Table D-1. DICOM Controlled Terminology Definitions

Code Value	Code Meaning	Definition	Notes
<u>ccc1</u>	<u>RT Treatment Session</u>	<u>The Instance for which the</u>	<u>The referenced Instance</u>

Code Value	Code Meaning	Definition	Notes
	Positioning Verification	treatment position has been verified during a treatment session.	typically will be an RT Plan, RT Ion Plan or RT Radiation Set.

The following excerpt of PS3.3 is cited for readability only (No change requested).

C.7.6.1 General Image Module

Table C.7-9 specifies the Attributes that identify and describe an image within a particular series.

Table C.7-9. General Image Module Attributes

Attribute Name	Tag	Type	Attribute Description
Referenced Image Sequence	(0008,1140)	3	Other images significantly related to this image (e.g., post-localizer CT image or Mammographic biopsy or partial view images). One or more Items are permitted in this sequence.
<i>>Include Table 10-3 'Image SOP Instance Reference Macro Attributes'</i>			
>Purpose of Reference Code Sequence	(0040,A170)	3	Describes the purpose for which the reference is made. Only a single Item is permitted in this sequence.
<i>>>Include Table 8.8-1 "Code Sequence Macro Attributes"</i>			<i>Defined CID 7201 "Referenced Image Purposes of Reference"</i>
...			
Referenced Instance Sequence	(0008,114A)	3	Non-image composite SOP Instances that are significantly related to this Image, including waveforms that may or may not be temporally synchronized with this image. One or more Items are permitted in this sequence.
<i>>Include Table 10-11 "SOP Instance Reference Macro Attributes"</i>			
>Purpose of Reference Code Sequence	(0040,A170)	1	Code describing the purpose of the reference to the Instance(s). Only a single Item shall be included in this sequence.
<i>>>Include Table 8.8-1 "Code Sequence Macro Attributes"</i>			<i>Defined CID 7004 "Waveform Purposes of Reference" for referenced waveforms. Defined CID XXX1 "Non-Waveform Purposes of Reference" otherwise.</i>

