

DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2014/03/31
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Correction Number	CP-1314
Log Summary: Add Category Code Sequence to RT Structure Set	
Name of Standard PS 3 2011	
<p>Rationale for Correction:</p> <p>As the Segmentation IOD and the RT Structure Set IOD are beginning to get used in parallel in the RT domain, some re-encoding of information in one format or the other is happening. With the existing attributes in the RT Structure Set's ROI Observation Module, a loss of information happens as the Segmented Property Category Code Sequence (0062,0003) cannot be stored along with a ROI.</p> <p>Therefore, the proposal is to add this attribute to the RT ROI Observations Module so that its value can be preserved when translating from or to a Segmentation IOD.</p> <p>To point out the suggested Segmented Property Type Code Sequence (0062,000F) to the existing ROI Identification Code Sequence (3006,0086) a Note is added that the latter attribute as well.</p>	
Correction Wording:	

In PS 3.3, Table C.8-44—RT ROI Observations Module Attributes, add the following attributes:

C.8.8.8 RT ROI Observations Module

...

Table C.8-44—RT ROI OBSERVATIONS MODULE ATTRIBUTES

Attribute Name	Tag	Type	Attribute Description
RT ROI Observations Sequence	(3006,0080)	1	Introduces sequence of observations related to ROIs defined in the ROI Module. One or more items shall be included in this sequence.
>Observation Number	(3006,0082)	1	Identification number of the Observation. The value of Observation Number (3006,0082) shall be unique within the RT ROI Observations Sequence (3006,0080).
...			
>RT Related ROI Sequence	(3006,0030)	3	Introduces sequence of significantly related ROIs, e.g. CTVs contained within a PTV. One or more items are permitted in this sequence.
>>Referenced ROI Number	(3006,0084)	1	Uniquely identifies the related ROI described in the Structure Set ROI

			Sequence (3006,0020).
>>RT ROI Relationship	(3006,0033)	3	Relationship of referenced ROI with respect to referencing ROI. Defined Terms: SAME = ROIs represent the same entity ENCLOSED = referenced ROI completely encloses referencing ROI ENCLOSING = referencing ROI completely encloses referenced ROI
>Segmented Property Category Code Sequence	(0062,0003)	3	<u>Sequence defining the general category of this ROI.</u> <u>Only a single item shall be included in this sequence.</u> <u>See Note 1.</u>
>>Include 'Code Sequence Macro' Table 8.8-1		<u>No Baseline Context ID is defined.</u>	
>RT ROI Identification Code Sequence	(3006,0086)	3	Introduces sequence containing Code used to identify ROI. Only a single Item is permitted in this sequence. <u>See Note 2.</u>
>>Include 'Code Sequence Macro' Table 8.8-1		No Baseline Context ID is defined.	

Note 1: This attribute allows preserving information by copying the content of Segmented Property Category Code Sequence (0062,0003) in case a Segmentation object is re-encoded as an RT Structure Set or vice-versa.

Note 2: In case of re-encoding a Segmentation object as an RT Structure Set or vice-versa it is suggested, that the Segmented Property Type Code Sequence (0062,000F) is mapped to RT ROI Identification Code Sequence (3006,0086).