

DICOM Correction Proposal

STATUS	Letter Ballot
Date of Last Update	2014/09/08
Person Assigned	Ulrich Busch (ulrich.busch@varian.com)
Submitter Name	Christof Schadt (christof.schadt@brainlab.com)
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Correction Number	CP-1395
Log Summary: Extend RT Structure Set ROI Color	
Name of Standard PS 3.3 2011	
Rationale for Correction: 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 (see also CP1313). Therefore, it is proposed to add the recommended display grayscale and display CIE Lab values to the RT Structure Set in order to preserve these values.	
Correction Wording:	

In PS 3.3, Table C.8-42—ROI Contour Module Attributes, add the following attributes:

Table C.8-42—ROI CONTOUR MODULE ATTRIBUTES

Attribute Name	Tag	Type	Attribute Description
ROI Contour Sequence	(3006,0039)	1	Introduces sequence of Contour Sequences defining ROIs. One or more items shall be included in this sequence.
>Referenced ROI Number	(3006,0084)	1	Uniquely identifies the referenced ROI described in the Structure Set ROI Sequence (3006,0020).
>ROI Display Color	(3006,002A)	3	RGB triplet color representation for ROI, specified using the range 0-255.
>Recommended Display Grayscale Value	(0062,000C)	3	<u>A default single gray unsigned value in which it is recommended that the maximum pixel value in this segment be rendered on a monochrome display. The units are specified in P-Values from a minimum of 0000H (black) up to a maximum of FFFFH (white).</u> Note: The maximum P-Value for this Attribute may be different from the maximum P-Value from the output of the Presentation LUT, which may be less than 16 bits in depth.

<u>>Recommended Display CIE Lab Value</u>	<u>(0062,000D)</u>	<u>3</u>	<u>A default triplet value in which it is recommended that segment be rendered on a color display. The units are specified in PCS-Values, and the value is encoded as CIE Lab. See C.10.7.1.1.</u>
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