

DICOM Correction Item

Correction Number		CP-652
Log Summary: Add Channel Description Code Sequence to VL		
Type of Modification	Name of Standard	
Addition	PS 3.3 2006	
Rationale for Correction		
<p>Infrared images can be encoded in DICOM using one of the Visible Light Information Object Definitions (e.g., the Photographic IOD or the Video Photographic IOD). However, there needs to be an additional attribute to map the detected infrared spectrum to the encoded "visible" RGB encoded data, as was done for the Ophthalmic Photography IOD.</p> <p>This change adds the Channel Description Code Sequence (0022,001A) to the VL IODs.</p>		
Sections of documents affected		
PS 3.3 Section C.8.12.1		
Correction Wording:		

**Table C.8-77
 VL IMAGE MODULE ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
...			
<u>Channel Description Code Sequence</u>	<u>(0022,001A)</u>	<u>3</u>	<p><u>Describes the light color used for each channel to generate the image.</u></p> <p><u>If Photometric Interpretation (0028,0004) has one of the YBR values, the meaning is for pixel data in an equivalent RGB encoding.</u></p> <p><u>Note: Interpretation and representation of RGB images rely on the assumption that the red channel really contains the red wavelength range of illumination light, the blue channel the blue wavelength range, etc. Some modalities use the RGB Photometric Interpretation as a container representing 3 channels of any illumination wavelength.</u></p> <p><u>Shall have the same number of items as the value of Samples per Pixel (0028,0002). The channels shall be described in the order in which the channels are encoded.</u></p>
<u>>Include 'Code Sequence Macro' Table 8.8.1</u>			<u>Baseline Context ID is 4206</u>