DICOM Correction Proposal

STATUS	Assigned
Date of Last Update	2024/08/14
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Correction Number	CP-2450
Log Summary: Remove Table 10.41-1 from X-Ray Image Modules	
Name of Standard PS 3.3	

Rationale for Correction:

The macro Table 10.41-1 "General Procedure Protocol Reference Macro Attributes" is included in the SOP Common module.

This macro was previously included in several X-Ray Image Modules, and it's still included in:

- C.8.7.1 X-Ray Image Module (in XA Image IOD, X-Ray Radiofluoroscopic Image IOD)
- C.8.19.2 Enhanced XA/XRF Image Module (in Enhanced XA Image IOD, Enhanced XRF Image IOD)
- C.8.21.1 X-Ray 3D Image Module (in X-Ray 3D Angiographic Image IOD, Breast Tomosynthesis Image IOD)

However, as this macro is now in the SOP Common Module, and the SOP Common Module is present in all the X-Ray IODs, it's not necessary anymore to keep it in these X-Ray Image Modules.

This CP proposes to remove the macro Table 10.41-1 "General Procedure Protocol Reference Macro Attributes" from the X-Ray Image Modules.

Correction Wording:

Update PS3.3 as follows:

C.8.7.1 X-Ray Image Module

Table C.8-26. X-Ray Image Module Attributes

Attribute Name	Tag	Type	Attribute Description
…			
Frame Label Vector	(0018,2002)	3	A multi-valued Attribute that contains a descriptive label for each of the image frames. The number of values shall equal the number of frames.
Frame Dimension Pointer	(0028,000A)	3	Contains the Data Element Tags of one or more Attributes that vary or increment for the frames of a multi-frame image. See Section C.8.7.1.1.12. Shall not be present if it would contain only one value and that value would be Frame Time (0018,1063) or Frame Time Vector (0018,1065).

Attribute Name	Tag	Type	Attribute Description
Calibration Image	(0050,0004)	3	Indicates whether a reference object (phantom) of known size is present in the image and was used for calibration. Enumerated Values: **YES** **NO** Device is identified using the Device Module. See Section C.7.6.12.
Include Table 10.41-1 "General Procedure Protocol Reference Macro Attributes"			

C.8.19.2 Enhanced XA/XRF Image Module

This section describes the Enhanced XA/XRF Image Module. Table C.8.19.2-1 contains IOD Attributes that describe a XA/XRF Image by specializing Attributes of the General Image Module and Image Pixel Module, and adding additional Attributes.

Table C.8.19.2-1. Enhanced XA/XRF Image Module Table

Attribute Name	Tag	Type	Attribute Description
…			
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.
>Include Table 10-11 "SOP Instance Reference Macro Attributes"			
>Purpose of Reference Code Sequence	(0040,A170)	1	Code describing the purpose of the reference to the SOP Instances. Only a single Item shall be included in this Sequence.
>>Include Table 8.8-1 "Code Sequence Macro Attributes"			*DCID 7004 "Waveform Purpose of Reference" for referenced waveforms.*
Include Table 10.41-1 "General Procedure Protocol Reference Macro Attributes"			
Image Comments	(0020,4000)	3	User-defined comments about the image.
…			

C.8.21.1 X-Ray 3D Image Module

Table C.8.21.1-1 specifies the Attributes of the X-Ray 3D Image Module, which contains Attributes that describe a X-Ray 3D Image by specializing Attributes of the General Image Module and Image Pixel Module, and adding additional Attributes.

Table C.8.21.1-1. X-Ray 3D Image Module Attributes

Attribute Name	Tag	Type	Attribute Description
…			
Referenced Image Evidence Sequence	(0008,9092)	1C	Full set of Composite SOP Instances referred to inside the Referenced Image Sequences of this SOP Instance. See Section 10.42.1 for further explanation. One or more Items shall be included in this Sequence. Required if the Referenced Image Sequence (0008,1140) is present.
>*Include Table C.17-3 "Hierarchical SOP Instance Reference Macro Attributes"*			
~~*Include Table 10.41-1 "General Procedure Protocol Reference Macro Attributes"*~~			
Image Comments	(0020,4000)	3	User-defined comments about the image.
…			

C.12.1 SOP Common Module

Table C.12-1 specifies the Attributes of the SOP Common Module, which are required for proper functioning and identification of the associated SOP Instances. They do not specify any semantics about the Real-World Object represented by the IOD.

Table C.12-1. SOP Common Module Attributes

Attribute Name	Tag	Type	Attribute Description
…			
Barcode Value	(2200,0005)	3	Barcode interpreted from a scanned label. Note 1. In the case of a scanned patient label, this may be the same as Patient ID (0010,0020), but it is included in an Instance level Module rather than a Patient level Module since barcodes may also be used to identify lower level entities. This might be obtained by scanning the patient's wrist band, request form, or extracting a burned-in label from the image pixel data, for example. 2. In the case of a scanned slide label, this may be the same as Container Identifier (0040,0512) in the Specimen Module.
Include Table 10.41-1 "General Procedure Protocol Reference Macro Attributes"			