

DICOM Correction Item

Correction Number		CP-118 (Final Text)
Log Summary: Need Frame in Referenced Image Sequence		
Type of Modification	Name of Standard	
Correction	PS 3.3,3.6,3.11-1998	
Rationale for Correction		
<p>When it is necessary to refer to another SOP Instance of another image from which an image may be related or derived, either Referenced Image Sequence or Source Image Sequence are used as appropriate in the General Image Module (C.7.6.1). In neither case is it possible to refer to a single frame or a subset of frames if the referenced image is not a single frame image. This can be rectified simply by adding an Attribute Referenced Frame Number.</p> <p>The 1K Angio profile in PS 3.11 Annex B defines a mechanism of storing Secondary Capture images on media together with the XA Angiographic images from which they are derived, but does not define a mechanism for relating the SC image to the source image, or subset of source image frames. It is proposed here that the 1K profile be amended to recommend the use of the mechanism described above for those SC images that are derived from XA images.</p>		
Sections of document affected		
PS 3.3-1998 Section 7.6.1 General Image Module, Table C.7-7. Supplement 20 Section X.3.4.1 Image Attribute Values, Table 5. PS 3.6-1998 Annex A. PS 3.11-1998 Annex B.		
Correction Wording:		

Item: Amend Table C.7-7 in PS 3.3-1996 with underlined text as follows:

Table C.7-7 GENERAL IMAGE MODULE ATTRIBUTES

Attribute Name	Tag	Type	Attribute Description
Referenced Image Sequence	(0008,1140)	3	A sequence which provides reference to a set of Image SOP Class/Instance identifying other images significantly related to this image (e.g. post-localizer CT image). Encoded as sequence of items: (0008,1150) and (0008,1155) and (0008,1160) .
>Referenced SOP Class UID	(0008,1150)	1C	Uniquely identifies the referenced SOP Class. Required if Referenced Image Sequence (0008,1140) is sent.
>Referenced SOP Instance UID	(0008,1155)	1C	Uniquely identifies the referenced SOP Instance. Required if Reference Image Sequence (0008,1140) is sent.
>Referenced Frame Number	(0008,1160)	3	References one or more image frames of a Multi-frame Image SOP Instance, identifying which frames are significantly related to this image.
Source Image Sequence	(0008,2112)	3	A sequence which identifies the set of Image SOP Class/Instance pairs of the Images which were used to derive this Image. Encoded as sequence of items: (0008,1150) and (0008,1155) and (0008,1160) . See C.7.6.1.1.4 for further explanation.
>Referenced SOP Class UID	(0008,1150)	1C	Uniquely identifies the referenced SOP Class. Required if Source Image Sequence (0008,2112) is sent.
>Referenced SOP Instance UID	(0008,1155)	1C	Uniquely identifies the referenced SOP Instance. Required if Source Image Sequence (0008,2112) is sent.
>Referenced Frame Number	(0008,1160)	3	References one or more image frames of a Multi-frame Image SOP Instance, identifying which frames were used to derive this Image.

