

DICOM Correction Item

Correction Number		CP-217
Log Summary: Add Icon Image Sequence to SR IMAGE value type		
Type of Modification	Name of Standard	
Addition	PS 3.3, 3.4 2000	
Rationale for Correction		
When rendering a report that references images, it is desirable to be able to show some stylized or iconic representation of them that is specific to the particular image. In order to make this easier (and possible in the absence of the images themselves), it is proposed that the Icon Image Sequence used in the DICOMDIR be added to the IMAGE Value Type.		
Sections of documents affected		
PS 3.3 C.18.4		
PS 3.4 O.2		
Correction Wording:		

Amend C.18.4 of PS 3.3:

C.18.4 Image Reference Macro

Table C.18.4-1 specifies the Attributes that convey a reference to a DICOM image.

**Table C.18.4-1
 IMAGE REFERENCE MACRO ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
<i>Include 'Composite Object Reference Macro' Table C.18.3-1</i>			
>Referenced Frame Number	(0008,1160)	1C	Identifies the frame numbers within the Referenced SOP Instance to which the reference applies. The first frame shall be denoted as frame number 1. Note: This Attribute may be multi-valued. Required if the Referenced SOP Instance is a multi-frame image and the reference does not apply to all frames.
>Referenced SOP Sequence	(0008,1199)	3	Reference to a Softcopy Presentation State SOP Class/SOP Instance pair. Only a single Item shall be permitted in this sequence.
>>Referenced SOP Class UID	(0008,1150)	1	Uniquely identifies the referenced SOP Class. Shall be the same for all Images referenced by this presentation state.
>>>Referenced SOP Instance UID	(0008,1155)	1	Uniquely identifies the referenced SOP Instance.

<u>>Icon Image Sequence</u>	<u>(0088,0200)</u>	<u>3</u>	<u>This Icon Image is representative of the Image.</u> <u>The Icon Image may be no greater than 128 rows by 128 columns.</u> <u>Note: This limit exists in order to explicitly prevent encoding the entire image in the body of the structured report.</u>
<u>>>Image Pixel Module</u>			<u>See Section F.7.</u>

Amend Annex O of PS 3.4:

O.2.2 BEHAVIOR OF AN SCP

An SCP intending to display or otherwise render a Structured Report shall convey its full meaning in an unambiguous manner.

An Icon Image in an IMAGE reference has no meaning, and is not required to be rendered.