

DICOM Correction Item

Correction Number	CP-572
Log Summary:	Correct Referenced Waveform
Type of Modification	Name of Standard
Addition	PS 3.3-2004
Rationale for Correction: <p>In the General Image Module, the Referenced Waveform Sequence uses the 'SOP Instance Reference Macro' Table C.17-3, which includes the full Study/Series/Instance hierarchy. This is unlike all other object references (e.g., Source Image Sequence) that use just the SOP Class/Instance UID pair. In particular, Waveform instances reference other Waveform instances using the Referenced Instance Sequence and SOP Class/Instance UID pair (see C.10.8).</p> <p>Moreover, the Referenced Waveform Sequence includes the Purpose of Reference Code Sequence effectively at the study level of the references, asserting a single Purpose for all referenced objects, rather than a purpose of reference for each object.</p> <p>This CP changes the Referenced Waveform Sequence to the Referenced Instance Sequence.</p> <p>Note that the Common Instance Reference Module (C.12.2) may be invoked in an IOD to provide the hierarchical location of referenced instances.</p>	
Sections of documents affected PS 3.3-2004 Sections C.7.6.1, C.10.8	
Correction Wording:	

Table C.7-9
GENERAL IMAGE MODULE ATTRIBUTES

Attribute Name	Tag	Type	Attribute Description
...			
Referenced Waveform Sequence	(0008,113A)	3	References to waveforms acquired in conjunction with this image. These Waveforms may or may not be temporally synchronized with this image. One or more Items may be included in this Sequence.
>Include 'SOP Instance Reference Macro' Table C.17-3			
<u>Referenced Instance Sequence</u>	<u>(0008,114A)</u>	<u>3</u>	<u>A sequence which provides reference to a set of non-image SOP Class/Instance pairs significantly related to this Image, including waveforms that may or may not be temporally synchronized with this image .</u> <u>One or more Items may be included in this sequence.</u>
<u>>Referenced SOP Class UID</u>	<u>(0008,1150)</u>	<u>1C</u>	<u>Uniquely identifies the referenced SOP Class. Required if a Sequence Item is present.</u>
<u>>Referenced SOP Instance UID</u>	<u>(0008,1155)</u>	<u>1C</u>	<u>Uniquely identifies the referenced SOP Instance. Required if a Sequence Item is present.</u>
>Purpose of Reference Code Sequence	(0040,A170)	1	Code describing the purpose of the reference to the waveform Instance(s) . Only a single Item shall be permitted in this sequence.
>>Include 'Code Sequence Macro' Table 8.8-1		<i>Defined Context ID is CID 7004 for referenced waveforms.</i>	
...			

Note: Previous editions of this Standard specified use of the Referenced Waveform Sequence (0008,113A), but that use has been superseded by Referenced Instance Sequence (0008,114A). See PS3.3-2004.

Table C.10-8
Waveform Identification Module Attributes

Attribute Name	Tag	Type	Attribute Description
...			
Referenced Instance Sequence	(0008,114A)	3	A sequence which provides reference to a set of SOP Class/Instance pairs significantly related to this Waveform. One or more Items may be included in this sequence.
>Referenced SOP Class UID	(0008,1150)	1C	Uniquely identifies the referenced SOP Class. Required if a Sequence Item is present.
>Referenced SOP Instance UID	(0008,1155)	1C	Uniquely identifies the referenced SOP Instance. Required if a Sequence Item is present.
<u>>Purpose of Reference Code Sequence</u>	<u>(0040,A170)</u>	<u>3</u>	<u>Code describing the purpose of the reference to the Instance(s). Only a single Item shall be permitted in this sequence.</u>
<u>>>Include 'Code Sequence Macro' Table 8.8-1</u>	<u>Defined Context ID is CID 7004 for referenced waveforms.</u>		