

## DICOM Correction Item

Correction Number CP-790	
Log Summary: Unscheduled Reason for Requested Procedure for Mammography	
Type of Modification	Name of Standard
Clarification	PS 3.3-2007
<p>Rationale for Correction:</p> <p>Based on the existing DICOM structure in the General Series and Mammography Series modules, there is no way to encode the reason for an unscheduled mammography procedure. Reason for Requested Procedure Code Sequence (0040,100A) is an optional attribute that appears only in the Request Attributes Sequence (0040,0275) via the Request Attributes macro. There are two required (Type 1) attributes in that same sequence: Requested Procedure ID (0040,1001) and Scheduled Procedure Step ID (0040,0009). If a modality does not have values for these two attributes that are associated with scheduled procedures, it cannot encode the reason either, even though the reason is likely to be known and is useful to encode for downstream users of the image objects.</p> <p>The IHE Radiology Technical Framework does not address the encoding of a procedure reason in images, and specifically omits the Request Attributes Sequence (0040,0275) in images of unscheduled procedures.</p> <p>It is proposed to make the offending mandatory attributes conditional upon the procedure and procedure step being scheduled, rather than sending dummy values, or replicating the reason outside the Request Attributes Sequence.</p>	
Sections of documents affected	
PS 3.3: 10.6	
Correction Wording:	
<i>Amend PS 3.3 Section 10.6 as follows:</i>	

### 10.6 Request Attributes Macro

**Table 10-9  
REQUEST ATTRIBUTES MACRO ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
Requested Procedure ID	(0040,1001)	1C	<p>Identifier that identifies the Requested Procedure in the Imaging Service Request. <b><u>Required if procedure was scheduled. May be present otherwise.</u></b></p> <p><b><u>Note: The condition is to allow the contents of this macro to be present (e.g., to convey the reason for the procedure, such as whether a mammogram is for screening or diagnostic purposes) even when the procedure was not formally scheduled and a value for this identifier is unknown, rather than making up a dummy value.</u></b></p>
Accession Number	(0008,0050)	3	An identifier of the Imaging Service Request for this Requested Procedure.
Study Instance UID	(0020,000D)	3	The unique identifier for the Study provided

			for this Requested Procedure.
Referenced Study Sequence	(0008,1110)	3	Uniquely identifies the Study SOP Instances associated with this SOP Instance. One or more items may be included.
>Referenced SOP Class UID	(0008,1150)	1	Uniquely identifies the referenced SOP Class
>Referenced SOP Instance UID	(0008,1155)	1	Uniquely identifies the referenced SOP Instance.
Requested Procedure Description	(0032,1060)	3	Institution-generated administrative description or classification of Requested Procedure.
Requested Procedure Code Sequence	(0032,1064)	3	A sequence that conveys the Procedure Type of the requested procedure. The Requested Procedure Code Sequence shall contain only a single item.
<i>&gt;Include 'Code Sequence Macro' Table 8.8-1</i>		<i>No Baseline Context ID is defined.</i>	
Reason for the Requested Procedure	(0040,1002)	3	Reason for requesting this procedure.
Reason for Requested Procedure Code Sequence	(0040,100A)	3	Coded Reason for requesting this procedure. One or more sequence items may be present.
<i>&gt;Include 'Code Sequence Macro' Table 8.8-1</i>		<i>Context ID may be defined in the macro invocation.</i>	
Scheduled Procedure Step ID	(0040,0009)	<b>1C</b>	Identifier that identifies the Scheduled Procedure Step. <b><u>Required if procedure was scheduled.</u></b>  <b><u>Note: The condition is to allow the contents of this macro to be present (e.g., to convey the reason for the procedure, such as whether a mammogram is for screening or diagnostic purposes) even when the procedure step was not formally scheduled and a value for this identifier is unknown, rather than making up a dummy value.</u></b>
Scheduled Procedure Step Description	(0040,0007)	3	Institution-generated description or classification of the Scheduled Procedure Step to be performed.
Scheduled Protocol Code Sequence	(0040,0008)	3	Sequence describing the Scheduled Protocol following a specific coding scheme. This sequence contains one or more Items.
<i>&gt;Include 'Code Sequence Macro' Table 8.8-1</i>		<i>Context ID may be defined in the macro invocation.</i>	
>Protocol Context Sequence	(0040,0440)	3	Sequence that specifies the context for the Scheduled Protocol Code Sequence Item. One or more items may be included in this sequence.
<i>&gt;&gt;Include 'Content Item Macro' Table 10-2</i>		<i>Context ID may be defined in the macro invocation.</i>	
>> Content Item Modifier Sequence	(0040,0441)	3	Sequence that specifies modifiers for a Protocol Context Content Item. One or more

			items may be included in this sequence. See Section C.4.10.1.
>>>Include 'Content Item Macro' Table 10-2			Context ID may be defined in the macro invocation.