

DICOM Correction Item

Correction Number		CP-881
Log Summary: Add Reason For Performed Procedure Code Sequence		
Type of Modification	Name of Standard	
Correction	PS 3.3, 3.4, 3.6 2008	
<p>Rationale for Correction</p> <p>In examining mammography acquisition workflow, use cases have been identified in which it important to be able to perform a different procedure than what was requested, as is already well supported by DICOM and IHE Scheduled Workflow (SWF) in that different codes may be reported in Procedure Code Sequence than from the Requested Procedure Code Sequence (0032,1064) in the items of the Request Attribute Sequence (0040,0275), both in composite instances and in MPPS.</p> <p>However, there is also a need to be able to convey a different set of <i>reasons</i> for the procedure, e.g., when a screening study is converted to a diagnostic study, and the value of “diagnostic” and the indication (e.g., “palpable mass”) need to be entered at the modality and conveyed to the DSS/OF (RIS) and IM/IA (PACS).</p> <p>The Reason for the Requested Procedure (0040,100A) is specific to the request, not what was performed, is within the Request Attributes Sequence (0040,0275), and is not mutable in the MPPS after N-CREATE (nor should it be).</p> <p>Accordingly, Reason For Performed Procedure Code Sequence attribute is added to the composite instances and the MPPS.</p> <p>The existing language in the Mammography Series Module describing the use of Requested Procedure Code Sequence (0032,1064) in Request Attribute Sequence (0040,0275) to distinguish screening from diagnostic studies is amended to give priority to the new Reason For Performed Procedure Code Sequence attribute for this purpose.</p>		
<p>Sections of documents affected</p> <p>PS 3.3 C.4.14, C.7.2.1, C.8.11.6</p> <p>PS 3.4 F.7.2.1.1</p> <p>PS 3.6</p>		
Correction Wording:		

Add to PS 3.3. new attribute to Modules for MPPS and Composite Instances:

C.4.14 Performed Procedure Step Information

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Table C.4-14
PERFORMED PROCEDURE STEP INFORMATION MODULE ATTRIBUTES

Attribute Name	Tag	Attribute Description
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Procedure Code Sequence	(0008,1032)	A sequence that conveys the (single) type of procedure performed.
<i>>Include 'Code Sequence Macro' Table 8.8-1</i>		<i>No Baseline Context ID is defined.</i>
<u>Reason For Performed Procedure Code Sequence</u>	(0040,1012)	<u>Coded reason(s) for performing this procedure.</u> Note: May differ from the values in Reason for the Requested Procedure (0040,100A) in Request Attribute Sequence (0040,0275), for example if what was performed differs from what was requested. <u>One or more Items may be included in this Sequence.</u>
<i>>Include 'Code Sequence Macro' Table 8.8-1</i>		<i>No Baseline Context ID is defined.</i>
Performed Procedure Step Discontinuation Reason Code Sequence	(0040,0281)	The reason the Performed Procedure Step Status (0040,0252) was set to DISCONTINUED.
<i>>Include 'Code Sequence Macro' Table 8.8-1</i>		<i>Defined Context ID is 9300.</i>

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C.7.2.1 General Study Module

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Table C.7-3
GENERAL STUDY MODULE ATTRIBUTES

Attribute Name	Tag	Type	Attribute Description
...
Procedure Code Sequence	(0008,1032)	3	A Sequence that conveys the type of procedure performed. One or more Items may be included in this Sequence.
<i>>Include 'Code Sequence Macro' Table 8.8-1</i>		<i>No Baseline Context ID is defined.</i>	
<u>Reason For Performed Procedure Code Sequence</u>	(0040,1012)	3	<u>Coded reason(s) for performing this procedure.</u> Note: May differ from the values in Reason for the Requested Procedure (0040,100A) in Request Attribute Sequence (0040,0275), for example if what was performed differs from what was requested. <u>One or more Items may be included in this Sequence.</u>

>Include 'Code Sequence Macro' Table 8.8-1	No Baseline Context ID is defined.
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C.8.11.6 Mammography Series Module

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**Table C.8-73
 MAMMOGRAPHY SERIES MODULE ATTRIBUTES**

Attribute Name	Tag	Type	Attribute Description
Modality	(0008,0060)	1	Type of equipment that originally acquired the data used to create the images in this Series. Enumerated Value: MG See section C.7.3.1.1.1 for further explanation.
Request Attributes Sequence	(0040,0275)	3	Sequence that contains attributes from the Imaging Service Request. The sequence may have one or more Items.
>Include Request Attributes Macro Table 10-9			<p>For Reason for Requested Procedure Code Sequence (0040,100A) the Baseline Context IDs are 6051 and 6055. No Baseline Context IDs are defined for other Attributes.</p> <p>Note: For example, Requested Procedure Code Sequence (0040,100A) may be used to convey whether the images in the Series were taken for screening or diagnostic purposes, <u>if the information cannot be found in Reason For Performed Procedure Code Sequence (0040,1012) in the General Study Module.</u></p>

Add to PS 3.4. new attribute to MPPS:

F.7.2.1.1 Modality Performed Procedure Step Subset Specification

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**Table F.7.2-1
 MODALITY PERFORMED PROCEDURE STEP SOP CLASS N-CREATE, N-SET AND FINAL STATE ATTRIBUTES**

Attribute Name	Tag	Req. Type N-CREATE (SCU/SCP)	Req. Type N-SET (SCU/SCP)	Requirement Type Final State (See Note 1)
...
Performed Procedure Step Information				

...
Procedure Code Sequence	(0008,1032)	2/2	3/2	
>Code Value	(0008,0100)	1/1	1/1	
>Coding Scheme Designator	(0008,0102)	1/1	1/1	
>Coding Scheme Version	(0008,0103)	3/3	3/3	
>Code Meaning	(0008,0104)	3/3	3/3	
<u>Reason For Performed Procedure Code Sequence</u>	<u>(0040,1012)</u>	<u>3/3</u>	<u>3/3</u>	
<u>>Code Value</u>	<u>(0008,0100)</u>	<u>1/1</u>	<u>1/1</u>	
<u>>Coding Scheme Designator</u>	<u>(0008,0102)</u>	<u>1/1</u>	<u>1/1</u>	
<u>>Coding Scheme Version</u>	<u>(0008,0103)</u>	<u>3/3</u>	<u>3/3</u>	
<u>>Code Meaning</u>	<u>(0008,0104)</u>	<u>1/1</u>	<u>1/1</u>	
Performed Procedure Step End Date	(0040,0250)	2/2	3/1	1
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Add new attribute to PS 3.6:

Tag	Name	VR	VM
(0040,1012)	Reason For Performed Procedure Code Sequence	SQ	1