**Log Summary:** Add Procedure Code Context Groups

**Name of Standard:** PS3.3, PS3.16, PS3.6

**Rationale for Correction:** The absence of specified value sets for Procedure Code (0008,1032) and Requested Procedure Code (0008,1064) has hindered implementation of that attribute in Modality Worklist and image objects.

**Correction Wording:**

### Updates to PS3.3

#### Table C.4-11. Requested Procedure Module Attributes

<table>
<thead>
<tr>
<th>Attribute Name</th>
<th>Tag</th>
<th>Attribute Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Requested Procedure ID</td>
<td>(0040,1001)</td>
<td>Identifier that identifies the Requested Procedure in the Imaging Service Request.</td>
</tr>
<tr>
<td>Reason for the Requested Procedure</td>
<td>(0040,1002)</td>
<td>Reason for requesting this imaging procedure.</td>
</tr>
<tr>
<td>Requested Procedure Comments</td>
<td>(0040,1400)</td>
<td>User-defined comments on the Requested Procedure.</td>
</tr>
<tr>
<td>Reason for Requested Procedure Code Sequence</td>
<td>(0040,100A)</td>
<td>Coded Reason for requesting this procedure. One or more items shall be included in this Sequence.</td>
</tr>
</tbody>
</table>

>**Include Table 8.8-1 “Code Sequence Macro Attributes”**

No Baseline CID is defined.

| Requested Procedure Code Sequence | (0032,1064) | A Sequence that conveys the Requested Procedure of one Procedure Type. Only a single item shall be included in this Sequence. |

>**Include Table 8.8-1 “Code Sequence Macro Attributes”**

No Baseline CID is defined. See Section C.7.2.1.1.2
Table C.4-14. Performed Procedure Step Information Module Attributes

<table>
<thead>
<tr>
<th>Attribute Name</th>
<th>Tag</th>
<th>Attribute Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performed Station AE Title</td>
<td>(0040,0241)</td>
<td>AE title of the modality on which the Performed Procedure Step was performed.</td>
</tr>
<tr>
<td>Performed Station Name</td>
<td>(0040,0242)</td>
<td>An institution defined name for the modality on which the Performed Procedure Step was performed.</td>
</tr>
<tr>
<td>...</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Performed Procedure Type Description</td>
<td>(0040,0255)</td>
<td>A description of the type of procedure performed.</td>
</tr>
<tr>
<td>Procedure Code Sequence</td>
<td>(0008,1032)</td>
<td>A Sequence that conveys the (single) type of procedure performed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Only a single Item shall be included in this Sequence.</td>
</tr>
</tbody>
</table>

>Include Table 8.8-1 “Code Sequence Macro Attributes” No Baseline CID is defined. See Section C.7.2.1.1.2

Table C.7-3. General Study Module Attributes

<table>
<thead>
<tr>
<th>Attribute Name</th>
<th>Tag</th>
<th>Type</th>
<th>Attribute Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study Instance UID</td>
<td>(0020,000D)</td>
<td>1</td>
<td>Unique identifier for the Study.</td>
</tr>
<tr>
<td>Study Date</td>
<td>(0008,0020)</td>
<td>2</td>
<td>Date the Study started.</td>
</tr>
<tr>
<td>...</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Referenced Study Sequence</td>
<td>(0008,1110)</td>
<td>3</td>
<td>A Sequence that provides reference to a Study SOP Class/Instance pair. One or more Items are permitted in this Sequence. See Section 10.6.1.</td>
</tr>
</tbody>
</table>

>Include Table 10-11 “SOP Instance Reference Macro Attributes”

| Procedure Code Sequence         | (0008,1032)  | 3    | A Sequence that conveys the type of procedure performed. One or more Items are permitted in this Sequence. |

>Include Table 8.8-1 “Code Sequence Macro Attributes” No Baseline CID is defined. See Section C.7.2.1.2

...  

C.7.2.1.2 Procedure Code Sequence

The following Context Groups provide sets of procedure codes that might be used in the Procedure Code Sequence (0008,1032), or in the Requested Procedure Code Sequence (0032,1064) in the Requested Procedure Module:

CID xxx1 LOINC-RSNA Radiology Playbook

CID xxx2 NICIP Short Codes

CID xxx3 NICIP SNOMED Subset

CID xxx4 ICD-10-PCS Imaging

CID xxx5 ICD-10-PCS Nuclear Medicine
C.23.1.1.1 Hanging Protocol Definition Sequence Attributes

The Hanging Protocol Definition Sequence (0072,000C) provides a collection of one or more Items that defines the intent for the Hanging Protocol with respect to modality, anatomy, laterality, procedure and/or reason. This allows for some degree of flexibility in defining the intent for the Hanging Protocol, while providing a precise structure for query matching using the existing rules for Sequence Matching, as defined in PS3.4.

Note

1. The Hanging Protocol Definition Sequence (0072,000C) does not imply anything about the related image sets. These are defined in the Image Sets Sequence (0072,0020).

2. When creating a Hanging Protocol Instance, the values that are used for Procedure Code Sequence (0008,1032) or Reason for Requested Procedure Code Sequence (0040,100A) may come from a variety of sources, but are expected to be consistent throughout the domain in which a Hanging Protocol Instance will be exchanged. The following are recommended as potential sources of values.

Procedure Code Sequence (0008,1032):

- SNOMED codes
- ICD-10-PCS Procedure Codes
- Procedure Codes listed in Section C.7.2.1.2
  - Local Codes

Reason for Requested Procedure Code Sequence (0040,100A):

- SNOMED codes
- ICD-9-CM
- ICD-10-CM
- Local Codes

---

**Update to PS3.16 Section 8**

Table 8-1. Coding Schemes

<table>
<thead>
<tr>
<th>Scheme Designator (0008,0102)</th>
<th>Coding Scheme UID (0008,010C)</th>
<th>Coding Scheme Name (0008,0115)</th>
<th>Coding Scheme Responsible Organization (0008,0116)</th>
<th>Coding Scheme Resources Sequence (0008,0109) Type: URL</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>...</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CID xxx1 LOINC-RSNA Radiology Playbook

Context Group ID xxx1 comprises the codes of the LOINC-RSNA Radiology Playbook, value set UID 1.3.6.1.4.1.12009.10.2.5.1. Coding Scheme value shall be LN.

Note


2. Users may prefer to use the LOINC-RSNA Radiology Playbook Core subset, which may be a more tractable starting point for use of the LOINC/RSNA Radiology Playbook terms. The Core value set UID is 1.3.6.1.4.1.12009.10.2.5.1.1. It is available in FHIR ValueSet format through the LOINC FHIR server at https://fhir.loinc.org/ValueSet/loinc-rsna-radiology-playbook-core/.

CID xxx2 NICIP Short Codes

Context Group ID xxx2 comprises the Short Codes of the UK National Health Service National Interim Codes for Imaging Procedures. Coding Scheme value shall be NICIP.

CID xxx3 NICIP SNOMED Subset

Context Group ID xxx3 comprises the SNOMED CT Concept-ID codes of the UK National Health Service National Interim Codes for Imaging Procedures. Coding Scheme value shall be SCT.

CID xxx4 ICD-10-PCS Imaging

Context Group ID xxx4 comprises the ICD-10-PCS Imaging section codes (codes beginning with “B”). Coding Scheme value shall be I10P.

CID xxx5 ICD-10-PCS Nuclear Medicine

Context Group ID xxx5 comprises the ICD-10-PCS Nuclear Medicine section codes (codes beginning with “C”). Coding Scheme value shall be I10P.

CID xxx6 ICD-10-PCS Radiation Therapy

Context Group ID xxx6 comprises the ICD-10-PCS Radiation Therapy section codes (codes beginning with “C”). Coding Scheme value shall be I10P.
Table A-3. Context Group UID Values

<table>
<thead>
<tr>
<th>Context UID</th>
<th>Context Identifier</th>
<th>Context Group Name</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>...</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UIDxxx1</td>
<td>CID xxx1</td>
<td>LOINC-RSNA Radiology Playbook</td>
<td></td>
</tr>
<tr>
<td>UIDxxx2</td>
<td>CID xxx2</td>
<td>NICIP Short Codes</td>
<td></td>
</tr>
<tr>
<td>UIDxxx3</td>
<td>CID xxx3</td>
<td>NICIP SNOMED Subset</td>
<td></td>
</tr>
<tr>
<td>UIDxxx4</td>
<td>CID xxx4</td>
<td>ICD-10-PCS Imaging</td>
<td></td>
</tr>
<tr>
<td>UIDxxx5</td>
<td>CID xxx5</td>
<td>ICD-10-PCS Nuclear Medicine</td>
<td></td>
</tr>
<tr>
<td>UIDxxx6</td>
<td>CID xxx6</td>
<td>ICD-10-PCS Radiation Therapy</td>
<td></td>
</tr>
</tbody>
</table>