

# DICOM Correction Proposal

STATUS	Final Text
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Correction Number	CP-1245
Log Summary: Add Note about SOP Class UID at the Study level	
Name of Standard PS 3 2011	
<p>Rationale for Correction:</p> <p>At various locations in the standard, the Referenced Study Sequence (0008,1110) or RT Referenced Study Sequence (3006,0012) invoke the SOP Instance Reference Macro, Table 10-11, adding the Referenced SOP Instance UID and the Referenced SOP Class UID.</p> <p>Whereas the Referenced SOP Instance UID is used to reference a Study Instance UID (e.g. of an image series), the Referenced SOP Class UID is currently "filled" with, for example, the SOP Class UID of the instances in a referenced series, the RT Structure Set SOP Class UID or even a deprecated SOP Class UID.</p> <p>As the semantics of a SOP Class UID at the Study level is undefined, this attribute is a cause of confusion and often error-prone. This information must be ignored.</p> <p>Therefore, it is proposed to add a section to propose how to handle the SOP Class UID for consuming and producing entities.</p>	
Correction Wording:	

*Add the following subsection below the sections, where the attribute Referenced Study Sequence (0008,1110) is included. Those sections are:*

- 10.6 REQUEST ATTRIBUTES MACRO*
- C.2.1 Patient Relationship Module*
- C.3.1 Visit Relationship Module*
- C.4.11 Requested Procedure Module*
- C.4.13 Performed Procedure Step Relationship*
- C.4.18 General Purpose Scheduled Procedure Step Relationship Module*
- C.4.20 General Purpose Performed Procedure Step Relationship Module*
- C.7.2.1 General Study Module*
- C.17.2 SR Document General Module*
- C.17.6.2 Key Object Document Module*

## X.Y.Z Referenced Study Sequence

Since Referenced Study Sequence (0008,1110) is Type 2 or 3 in each usage, the attribute may be zero length or omitted, respectively. If the attribute is present with an Item, the SOP Class UID of the Detached Study Management SOP Class (Retired) may be used in Referenced SOP Class UID (0008,1150).

*Additionally add the following subsection below the section C.8.8.5 Structure Set Module (where the attribute RT Referenced Study Sequence (3006,0012) is included)*

### C.8.8.5.x RT Referenced Study Sequence

Since RT Referenced Study Sequence (3006,0012) is Type 3, the attribute may be omitted. If the attribute is present with an Item, the SOP Class UID of the Detached Study Management SOP Class (Retired) may be used in Referenced SOP Class UID (0008,1150).

*Extend Note 2 of PS 3.4 Section F.7.2.1.2*

### F.7.2.1.2 Service Class User

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The SCU shall only send the N-CREATE request primitive with the value for the Attribute "Performed Procedure Step Status" (0040,0252) set to "IN PROGRESS".

- Notes:**
1. It is assumed but not required that the SCU (the modality) received the Study Instance UID within the scope of the Basic Worklist Management SOP Class.
  2. If the SCU has grouped multiple Requested Procedures into a single performed step the Study Instance UID (0020,000D) attribute within the Scheduled Step Attributes Sequence (0040,0270) may be the Study Instance UID (0020,000D) for the study that contains all images and non-image composite instances created during performance of the current step. This value may be generated by the SCU and may be the same for all items of the sequence. In addition, the Referenced Study Sequence (0008,1110) may contain the Study Instance UIDs from the Requested Procedures being grouped. **If the attribute is present with an Item, the SOP Class UID of the Detached Study Management SOP Class (Retired) may be used in Referenced SOP Class UID (0008,1150).**
  3. ...