

DICOM Item

Correction Number		CP-834
Log Summary: Coercion of UIDs breaks references		
Type of Modification	Name of Standard	
Clarification	PS 3.4 – 2008	
Rationale for Correction		
<p>The SCP of a Storage Service SOP Class is allowed to modify the value of attribute in a SOP Instance. Table B.4-1 in PS 3.4 shows that this may happen with UID values. However, references from other SOP Instances in a number of cases are based on consistent and persistent UID values in SOP Instances.</p> <p>Proposed is to add a note that explains that modifying this attributes break those references.</p>		
Sections of documents affected		
PS 3.4 B.4.1		
Correction Wording:		

B.4.1 Conformance as An SCP

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At any level of conformance, the SCP of the Storage Service Class may modify the values of certain Attributes in order to coerce the SOP Instance into the Query Model of the SCP. The Attributes which may be modified are shown in Table B.4-1.

Table B.4-1
Attributes Subject to Coercion

Attribute	Tag
Patient ID	(0010,0020)
Study Instance UID	(0020,000D)
Series Instance UID	(0020,000E)

If an SCP performs such a modification, it shall return a C-STORE response with a status of Warning.

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- Notes
1. Modification of these Attributes may be necessary if the SCP is also an SCP of a Query/Retrieve SOP Classes. These SOP Classes are described in this Standard. For example, an MR scanner may be implemented to generate Study Instance UIDs for images generated on the MR. When these images are sent to an archive which is HIS/RIS aware, it may choose to change the UID of the study assigned to the study by the PACS. The mechanism by which it performs this coercion is implementation dependent.
 2. An SCP may, for instance, convert Coding Scheme Designator values "SNM3" to "SRT", in accordance with the DICOM conventions for SNOMED (see PS3.16).

3. Modification of Attributes that may be used to reference a SOP Instance by another SOP Instance (such as Study Instance UID and Series Instance UID attributes) will make that reference invalid. Modification of these Attributes is strongly discouraged.

34. Other Attributes may be modified/corrected by an SCP of a Storage SOP Class.

45. Modification of Attributes may affect digital signatures referencing the content of the SOP Instance.