DICOM Correction Item

Correction Number	CP-19
Log Summary: mage deletion in film session	

Type of Modification	Name of Standard
Clarification	PS 3.4 - 1993

Rationale for change

Although it is beyond the scope of the Standard to specify when an SCP may actually delete the Image SOP Instances or VOI LUT Box SOP Instances, operations concerning the references to these SOP instances need to be clarified for the following cases:

- deletion of a Film Session containing references to these SOP instances

- closing an association from which a Film Session containing references to these SOP instances was created and was not deleted.

- Re-using Image SOP Instances

- Effect of erasing references to these SOP Instances on their future reuse.

In addition, the SCP should state its procedure for deleting Image SOP instances in its conformance statement.

Sections of document affected

several

Correction Wording

section H.3.4
add at the end of the section
–   For Referenced Meta SOP Implementations, conditions under which stored Image SOP Instances are deleted.

section H.4.1.2.1.3:
add at the end of the section:

Terminating the association will effectively perform an N_DELETE on an opened film session.

section H.4.1.2.3:
Change the second sentence of the first paragraph to:
As a result, all references to Image SOP Instances within the film session are deleted.

section H.4.1.2.1.3:
add note following paragraph 6:

See Note in Section H.4.1.2.3.2

section H.4.1.2.3.2:
add to Note: It is beyond ... SOP Instances: See Note in Section H.4.3.3.2.1.3.

section H.4.3.3.2.1.3:
add note after paragraph 6:

Note: The zero length and no value in the Attribute Referenced Image Sequence (0008,1140) removes the reference to the Image SOP Instance, but does not explicitly delete the Image SOP Instance. It is beyond the scope of the Standard to specify when the SCP actually deletes the Image SOP Instance.

For example, based on SCP memory allocation processes, un-referenced Image SOP Instances may be stored throughout an entire Film Session, an entire Association, or across Associations. However, once an Image SOP Instance has been referenced, an SCP may immediately delete this Instance after all references to it have been removed. Image SOP Instance deletion procedures are described in the SCP Conformance Statement.

Since referenced Image SOP Instances may not be deleted, an SCU may insure that an Image SOP Instance will not be deleted by referencing it with an N-SET to a new Image Box Instance prior to erasing the reference from the original Image Box Instance.

If the Image SOP Instance has not been deleted by the SCP, it can be re-used at any time within the association by referencing from another Image Box SOP Instance with an N-SET.