DICOM Correction Item

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Correction Number	CP-109 (Final Text)
Log Summary: Fix Film Box N-ACTION	
Type of Modification:	Name of Standard PS 3.4-1998
Rationale for Correction: In Print Service Classes, SCPs may or may not support N-ACTION (print) on the Film Session (study). SCPs are only required to support N-ACTION at the Film Box level. If an SCU expects the SCP to support printing the study, but the SCP does not support it, the SCU could create multiple pages, and then issue an N-ACTION on the study. In this case, the N-ACTION would fail and there is no way to print previously stored films. The proposed solution is to provide a new failure status code for SCPs to use if they choose to fail the creation of a new film box if it does not support N-ACTION on a study and an unprinted film box already exists.	
Sections of document affected: See below	
Correction Wording: See Below	

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H.4.2.2.4 N-ACTION (of Film Box) Make the Indicated changes.

6 ### H.4.2.2.4   N-ACTION

The N-ACTION is used to print one or more copies of the last created instance of the Film Box. ~~a single film of~~
8 ~~the film session.~~

H.4.2.2.4.3 Behavior

10 The SCU uses the N-ACTION to request the SCP to print one or more copies of a single film of the film session. The SCU shall only specify the SOP Instance UID of the last created Basic Film Box SOP Instance.

12 The SCP shall make a copy of the "working" Basic Film Session SOP Instance and the "working" Basic Film Box SOP Instance hierarchy, which contains all the information to control the Print Process. Hence the SCU
14 may further update the "working" SOP Instances without affecting the result of previous print requests. The execution of the Print Process is monitored by the Print Job SOP Class (if supported by the SCP) and the
16 Printer SOP Class.

If the SCP supports the Print Job SOP Class then the SCP shall create a Print Job SOP Instance, which
18 contains the copy of the "working" Basic Film Session SOP Instance hierarchy and shall return the Print Job SOP Class/Instance UID pair in the attribute Referenced Print Job Sequence of the Action Reply argument.

20 The SCP shall return the status code of the requested operation. The meaning of success, warning, and failure status codes is defined in Section H.2.5.

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H.4.2.2.1.3 Behavior (of N-CREATE Basic Film Box) add the note

24 ### H.4.2.2.1.3 Behavior

The SCU uses the N-CREATE to request the SCP to create a Basic Film Box SOP Instance. The SCU shall
26 initialize Attributes of the SOP Class as specified in Section H.2.4.

The SCP shall create the SOP Instance and shall initialize Attributes of the SOP Class as specified in Section
2 H.2.4.

Note: If there exists a Film Box SOP Instance that has not been printed and the SCP does not support N-ACTION
4 on the Film Session, then the SCP should fail the N-CREATE of the new SOP Instance.

6 Upon the creation of the Basic Film Box SOP Instance, the SCP shall append the SOP Class/Instance UID pair
of the created Basic Film Box SOP Instance to the Attribute Referenced Film Box Sequence (2000,0500) of
8 the parent Basic Film Session SOP Instance to link the Basic Film Box SOP Instance to the Basic Film Session
SOP Instance.

10 ...

The SCP shall return the status code of the requested SOP Instance creation. The meaning of success,
12 warning, and failure status codes is defined in Section H.2.5.

14 **H.4.2.2.1.2 Status (of N-CREATE Basic Film Box) Modify as indicated.**

H.4.2.2.1.2 Status

16 ~~There are no specific status codes.~~

The status values which are specific for the SOP Class are defined in the following table.

Status	Meaning	Code
Failure	There is an existing Film Box that has not been printed and N-ACTION at the Film Session level is not supported. A new Film Box will not be created when a previous Film Box has not been printed.	C616

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