

DICOM Correction Proposal

STATUS	Letter Ballot
Date of Last Update	2023/03/23
Person Assigned	Harry Solomon
Submitter Name	Harry Solomon
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Correction Number	CP-2261
Log Summary:	Clarify Inventory Production Rules
Name of Standard	PS3.4
Rationale for Correction:	The Inventory Creation SOP Class is imprecise regarding use of existing Inventory SOP Instances to satisfy an Inventory Creation Initiate request.
Correction Wording:	

KK.2.2.3 Service Class Provider Behavior

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If the SCP conveys a success or warning status for Action Type “Initiate” (Action Type ID = 11), it shall initiate production of an Inventory and periodic status reporting in accordance with the parameters of the Scope of Inventory Sequence (0008,0400) and Inventory Level (0008,0403) provided in the N-ACTION request. **The Inventory SOP Instance(s) produced to satisfy the N-ACTION request shall include the Transaction UID (0008,1195).** The Scope of Inventory in the produced Inventory SOP Instances shall include only those Key Attributes that were supported for matching. Any value provided by the SCU for Inventory Purpose (0008,0401) shall be included in the produced Inventory SOP Instances.

The produced Inventory SOP Instance(s) may include existing Inventory SOP Instances by reference in the Incorporated Inventory Instance Sequence (0008,0422). Existing Inventory SOP Instances included by reference are not produced to satisfy the N-ACTION request and would not contain its Transaction UID (0008,1195), and may have a different Scope of Inventory or Inventory Purpose (0008,0401).

Notes

- 1. See Section YYYY.3.3 in PS3.17.**
- 2. An existing Inventory SOP Instance included by reference might have no Transaction UID (0008,1195) if its creation was not initiated by a transaction of the Inventory Creation SOP Class.**
- 3. An Inventory SOP Instance may be produced that is solely a “wrapper” for an existing Inventory SOP Instance included by reference. The produced Inventory SOP Instance establishes the Content Date (0008,0023), Content Time (0008,0033), and Inventory Purpose (0008,0401) for the Inventory, and links it to the Transaction UID (0008,1195).**

The SCP shall produce at least one Inventory SOP Instance **(at the root of the tree of referenced SOP Instances)** upon reaching the COMPLETE state.