

DICOM Correction Proposal

STATUS	Assigned
Date of Last Update	2025/01/21
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Correction Number	CP-2496
Log Summary: Clarify Concatenation Shared Functional Groups and Instance Creation Date	
Name of Standard	PS3.3
<p>Rationale for Correction:</p> <p>The description of the use of Shared Functional Group Sequence in Concatenations limits those that must be common to only those referenced by the Dimension Index Sequence. It is sufficient that all Shared Functional Group Sequence Items be common across Instances of a Concatenation.</p> <p>Instance Creation Time (0008,0013) is listed as one of those attributes whose values can be different in two individual SOP Instances of a Concatenation, but it could happen that also Instance Creation Date (0008,0012) could be different, if instance creation for the Concatenation happens to be on different days (e.g., when converting a large Concatenation Source Instance around midnight).</p>	

Update PS3.3 Section C.7.6.16.2.2.4 as follows

In a Concatenation ~~all of the Dimension Index Sequence (0020,9222)~~ Items of the Shared Functional Groups Sequence (5200,9229) shall be identical and have the same values for all individual SOP Instances. The Items of the Per-frame Functional Groups Sequence (5200,9230) shall be identical for all individual SOP Instances but the values may change per frame. For all other ~~Attributes of all the~~ Modules of the IOD, the same Attributes shall be present and the values shall be identical, with the exception of the following Attributes:

- Number of Frames (0028,0008)
- Concatenation Frame Offset Number (0020,9228)
- In-concatenation Number (0020,9162)
- SOP Instance UID (0008,0018)
- **Instance Creation Date (0008,0012)**
- Instance Creation Time (0008,0013)
- Extended Offset Table (7FE0,0001)
- Extended Offset Table Lengths (7FE0,0002)