DICOM Correction Proposal

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<td>2013/06/13</td>
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<tr>
<td>Person Assigned</td>
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Correction Number CP-1260

Log Summary: Frame Increment Pointer for Enhanced Images

Name of Standard
PS 3.3 2011

Rationale for Correction:
A few IODs like the Enhanced Multi-Frame Secondary Capture Image objects require the Frame Increment Pointer but also optionally permit functional group macros, so the question of what to put in Frame Increment Pointer in this situation arises.

Clarify that Frame Increment Pointer may contain Per-Frame Functional Groups Sequence as a value.

Correction Wording:

Amend to PS 3.3:

C.7.6.6.1.2 Frame Increment Pointer

The frames within a Multi-frame Image shall be conveyed as a logical sequence. The information that determines the sequential order of the frames shall be identified by the Data Element Tag or tags conveyed by the Frame Increment Pointer (0028,0009). Each specific Image IOD that supports the Multi-frame Module specializes the Frame Increment Pointer (0028,0009) to identify the Attributes that may be used as sequences.

Even if only a single frame is present, Frame Increment Pointer (0028,0009) is still required to be present and have at least one value, each of which shall point to an attribute that is also present in the dataset and has a value.

Note: For example, in single-frame instance of an IOD that is required to or may contain the Cine Module, it may be appropriate for Frame Time (0018,1063) to be present with a value of 0, and be the only target of Frame Increment Pointer (0028,0009).

When the IOD permits the use of Multi-frame Functional Groups as a Standard or Standard Extended SOP Class, Frame Increment Pointer may contain the single value of Per-Frame Functional Groups Sequence (5200,9230) to indicate that the Functional Groups contain the descriptors of the frames.

Note: For example, the Multi-frame Grayscale Word SC Image IOD requires the Multi-frame Module but also permits the Multi-frame Functional Groups, for example, to describe the plane position of each frame.