### DICOM Correction Proposal

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<th>Final Text</th>
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<tr>
<td>Date of Last Update</td>
<td>2024/01/14</td>
</tr>
<tr>
<td>Person Assigned</td>
<td>David Clunie</td>
</tr>
<tr>
<td>Submitter Name</td>
<td>Krister Valtonen (<a href="mailto:krister.valtonen@sectra.com">krister.valtonen@sectra.com</a>)</td>
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<tr>
<td>Submission Date</td>
<td>2023/04/27</td>
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| Correction Number | CP-2304 |

**Log Summary:** Use the Group Number term correctly

**Name of Standard**
PS3.5 2023e

**Rationale for Correction:**
Several parts of chapter 5 mention Group Numbers but specifies them using Data Element Tags. This is confusing as it mixes the concepts of Group Number and Data Element Tag. Several other places in chapter 5 refers to Group Numbers correctly.

**Correction Wording:**

In PS 3.5, modify 7.1 Data Elements

- Standard Data Elements have an even Group Number that is not 
  (0000,eee), (0002,eee), (0004,eee), or (0006,eee), 0000, 0002, 0004 or 0006.

- Private Data Elements have an odd Group Number that is not 
  (0001,eee), (0003,eee), (0005,eee), (0007,eee), or (FFFF,eee)0001, 0003, 0005, 0007 or FFFF. Private Data Elements are discussed further in Section 7.8.

**In PS 3.5, modify 7.6 Repeating Groups**

Multiple Overlay Planes and Curves are often associated with a single Image (see PS3.3). Standard Data Elements with even Group Numbers 6000-601E represent Overlay Planes. This range of Group numbers is known as a Repeating Group. This use of group numbers is a remnant of older versions of this Standard, which associated a semantic meaning with particular Groups.

In this range of Group Numbers, Standard Data Elements that have identical Element Numbers have the same meaning within each Group (and the same VR, VM, and Data Element Type). The notation 60xx,eee is used for the Group Number in Data Element Tags when referring to a common Data Element across these groups (see PS3.6). Groups 60xx are called Repeating Groups because of these characteristics.

Repeating Groups shall only be allowed in the even numbered Groups (6000-601E,eee)6000-601E cases. In the future, Data Elements with VRs of SQ shall be used to serve a similar purpose.

**Notes**
1. Encoding of Curves in the even Group Numbers 50xx was previously defined but has been retired. See PS3.5-2004

2. Private Groups in the odd Group Numbers 6001-601F may still be used, but there is no implication of repeating semantics, nor any implied shadowing of the standard repeating groups.