DICOM Correction Proposal

<table>
<thead>
<tr>
<th>STATUS</th>
<th>Letter Ballot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of Last Update</td>
<td>2024/01/14</td>
</tr>
<tr>
<td>Person Assigned</td>
<td>Bjoern Nolte <a href="mailto:bjoern.nolte@siemens-healthineers.com">bjoern.nolte@siemens-healthineers.com</a></td>
</tr>
<tr>
<td>Submitter Name</td>
<td>Ingo Wilkening <a href="mailto:Ingo.wilkening@siemens-healthineers.com">Ingo.wilkening@siemens-healthineers.com</a></td>
</tr>
<tr>
<td>Submission Date</td>
<td>2023-01-24</td>
</tr>
</tbody>
</table>

Correction Number | CP-2325

Log Summary: PS3.10, correct DICOMDIR sample in table A.1-1

Name of Standard | PS3.10

Rationale for Correction:
The DICOMDIR sample listed in PS3.10, Table A.1-1, Directory Content Example contains errors/problems.

1. The entry at byte offset (1688) is labeled “Study 1 Directory record” – while the Directory Record Type is [PATIENT]. From the context of the described DICOMDIR “Patient” is correct and expected. So, the label should run “Patient A Directory Record”.

2. Same at byte offset (4624), shall run “Patient B Directory Record”.

3. (Note: The entry at (6F18] is correctly labeled “Patient C Directory Record”)

4. The Patient ID used for Patient A runs [123-45-6789].
   The Patient ID used for Patient B runs [354-18-9122].
   The Patient ID used for Patient C runs [523-61-8765].
   While 123-45-6789 looks like a dummy ID, the other both IDs look very much like real-life existing Social Security Numbers of the USA (not verified). It is not clear, if they are remains from a “true existing example”. Such should be avoided, especially regarding potential real-life person. There is no need to format those patient IDs to look like US SSN.
   → Patient IDs shall be replaced to IDs which look like dummy IDs at first view.

Correction Wording:

Change PS3.10, chapter A. Example of DICOMDIR File Content (Informative)
Table A.1-1. Directory Content Example

1) For record {1688}, change current text “Study 1 Directory Record” to “Patient A Directory Record”, and change the Patient ID to “12345678AB”.

<table>
<thead>
<tr>
<th>{1688} Item Tag</th>
<th>FFFE,E000</th>
<th>Item Data Element (includes the following Data Elements)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study-1</td>
<td>0004,1400</td>
<td>Offset of the next Directory Record in Directory Entity {4624}</td>
</tr>
<tr>
<td>Patient A</td>
<td>0004,1410</td>
<td>Record In-use Flag [FFFFH]</td>
</tr>
<tr>
<td>Directory Record</td>
<td>0004,1420</td>
<td>Offset of Referenced Lower Level Directory Entity {1828}</td>
</tr>
</tbody>
</table>

... 0004,1430 Directory Record Type [PATIENT]

Selection 0010,0010 Patient's Name [Patient A]
Keys 0010,0020 Patient ID [123-45-6789] 12345678AB
2) For record {4624}, change current text “Study 1 Directory Record” to “Patient B Directory Record”, and change the Patient ID to “23456789AB”:

{4624} Item Tag FFFE,E000 Item Data Element (includes the following Data Elements)

  Study 1
  Patient B

Directory Record

Selection Keys 0010,0010 Patient's Name [Patient B]
0010,0020 Patient ID [354-18-9122], [23456789AB]


3) For record {6F18}, change the Patient ID to “34567890ABC”:

{6F18} Item Tag FFFE,E000 Item Data Element (includes the following Data Elements)

  Patient C

Directory Record

Selection Keys 0010,0010 Patient Name [Patient C]
0010,0020 Patient ID [523-61-8765], [34567890ABC]