DICOM Correction Proposal

<table>
<thead>
<tr>
<th>STATUS</th>
<th>Final Text</th>
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<tr>
<td>Date of Last Update</td>
<td>2016/05/25</td>
</tr>
<tr>
<td>Person Assigned</td>
<td>Robert Horn</td>
</tr>
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<td>Submitter Name</td>
<td>William Lingley  <a href="mailto:wlingley@merge.com">mailto:wlingley@merge.com</a></td>
</tr>
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<td>Submission date</td>
<td>2013/09/11</td>
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Correction Number CP-1361

Log Summary: Correct ParticipantObjectDescription in DICOM audit message

Type of Modification Correction
Name of Standard PS 3.15 2016b

Rationale for Correction:
Between the Trial Use Draft and Final Text versions of DICOM Supplement 95, the DICOM audit message schema representation in PS 3.15 was changed from an XSD schema to a RELAX NG schema. The content of the schema was changed during that conversion, changing the representation of the ParticipantObjectDetail element and making it inconsistent with the audit message example in PS 3.17.

The original XSD schema represents the audit message example in PS 3.17 and results in a ParticipantObjectDetail element as follows:

```xml
<ParticipantObjectDescription>
  <MPPS UID="1.2.840.10008.1.2.3.4.5"/>
  <Accession Number="12341234"/>
  <SOPClass UID="1.2.840.10008.5.1.4.1.1.2" NumberOfInstances="1500"/>
  <SOPClass UID="1.2.840.10008.5.1.4.1.11.1" NumberOfInstances="3"/>
</ParticipantObjectDescription>
```

The RELAX NG schema results in an ParticipantObjectDetail element as follows:

```xml
<ParticipantObjectDescription>
  Some description</ParticipantObjectDescription>
  <MPPS UID="1.2.840.10008.1.2.3.4.5"/>
  <Accession Number="12341234"/>
  <SOPClass UID="1.2.840.10008.5.1.4.1.1.2" NumberOfInstances="1500"/>
  <SOPClass UID="1.2.840.10008.5.1.4.1.11.1" NumberOfInstances="3"/>
</ParticipantObjectDescription>
```

It may also be possible that the schema change was made on purpose, in which case the correction may be applicable to PS 3.17.

Sections of documents affected
PS 3.15 A.5.1

Correction Wording:

Modify PS 3.15 to correct the RELAX NG schema:
A.5.1 DICOM Audit Message Schema

ParticipantObjectIdentificationContents =
  element ParticipantObjectIDTypeCode {CodedValueType},
  (element ParticipantObjectName {token} | # either a name or
   element ParticipantObjectQuery {xsd:base64Binary}), # a query ID field,
  element ParticipantObjectDetail {ValuePair}*, # optional details, these
  can be extensive and large
  element ParticipantObjectDescription {token}

DICOMObjectDescriptionContents |*, # optional descriptive text

DICOMObjectDescriptionContents, # These are extensions made by DICOM to
RFC-3881 schema for use describing DICOM objects

attribute ParticipantObjectID {token}, #mandatory ID
attribute ParticipantObjectTypeCode {(# optional type
  "1" | #3 Person
  "2" | #3 System object
  "3" | #3 Organization
  "4")}?, # Other