DICOM Correction Proposal

STATUS	Final Text
Date of Last Update	2016/05/25
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Correction Number	CP-1362	
Log Summary: Correct AuditSourceIdentification in DICOM audit message		
Type of Modification	Name of Standard	
Correction	PS3.15 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 AuditSourceIdentification 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 an AuditSourceIdentification element as follows:
 	
     \<AuditSourceIdentification AuditEnterpriseSiteID="Hospital" AuditSourceID="ReadingRoom"\>
 	
         \<AuditSourceTypeCode code="1"/\>
 	
     \</AuditSourceIdentification\>
 	
 The RELAX NG schema results in an AuditSourceIdentification element as follows:
 	
     \<AuditSourceIdentification code="1" AuditEnterpriseSiteID="Hospital" AuditSourceID="ReadingRoom"\>
 	
         \<AuditSourceTypeCode\>222\</AuditSourceTypeCode\>
 	
     \</AuditSourceIdentification\>
 	
 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

....

```
# Define AuditSourceIdentification, used later
```

~~# Note: This includes one constraint that cannot be represented yet in RNC. The use of a token other~~
~~# than the specified codes is permitted only if the codeSystemName is present.~~
~~# Note: This has no elements, only attributes.~~

```
AuditSourceIdentificationContents =
```
~~attribute code {~~
~~"1" | ## End-user display device, diagnostic device~~
~~"2" | ## Data acquisition device or instrument~~
~~"3" | ## Web Server process or thread~~
~~"4" | ## Application Server process or thread~~
~~"5" | ## Database Server process or thread~~
~~"6" | ## Security server, e.g., a domain controller~~
~~"7" | ## ISO level 1-3 network component~~
~~"8" | ## ISO level 4-6 operating software~~
~~"9" | ## other~~
~~token }, ## other values are allowed if a codeSystemName is present~~
~~other-csd-attributes?, ## If these are present, they define the meaning of code~~
```
     attribute AuditEnterpriseSiteID {token}?,
     attribute AuditSourceID {token},
     element AuditSourceTypeCode {
```
~~token~~ **AuditSourceTypeCodeContent }***

 # Define AuditSourceTypeCodeContent so that an isolated single digit value is acceptable, or a token with other csd attributes so that any controlled terminology can also be used.
AuditSourceTypeCodeContent =
attribute code {
"1" | ## End-user display device, diagnostic device
"2" | ## Data acquisition device or instrument
"3" | ## Web Server process or thread
"4" | ## Application Server process or thread
"5" | ## Database Server process or thread
"6" | ## Security server, e.g., a domain controller
"7" | ## ISO level 1-3 network component
"8" | ## ISO level 4-6 operating software
"9" | ## other
token }, ## other values are allowed if a codeSystemName is present
other-csd-attributes? ## If these are present, they define the meaning of code