

DICOM Correction Proposal

STATUS	Letter Ballot <u>Draft Final Text</u>
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Correction Number	CP-2399
Log Summary:	Correct Audit Message Schema Conflict
Name of Standard	PS3.15 <u>2024d</u>
Rationale for Correction:	<p>The optionality of the ParticipantObjectName and ParticipantObjectQuery elements in several DICOM messages conflicts with the requirements specified in section A.5.1.1 of the Audit Message Schema. The schema requires either a name or a query ID field, however, in the message specifications, they are both user optional (U).</p> <p>Optionality for these elements in Table A.5.2-1. General Message Format, for example, is U.</p> <p>This CP corrects the optionality of ParticipantObjectName and ParticipantObjectQuery.</p>
Correction Wording:	

Note to reviewers: the schema specification for ParticipantObjectName and ParticipantObjectQuery is included for reference.

A.5.1.1 Audit Message Schema

The following is the content of the audit schema:

```

...
ParticipantObjectIdentificationContents =
    element ParticipantObjectTypeCode { CodedValueType },
    (element ParticipantObjectName { token } | # either a name or
    element ParticipantObjectQuery { xsd:base64Binary } ), # a query ID field,
...

```

Modify Table A.5.2-1. General Message Format as follows:

Table A.5.2-1. General Message Format

	Field Name	Opt.	Description	Additional Conditions on Field Format/Value
...				

Participant Object (multi-valued)	ParticipantObjectName	U MC	An instance-specific descriptor of the Participant Object ID audited, such as a person's name.	Usage refined by individual message descriptions Required if ParticipantObjectQuery is not present.
	ParticipantObjectQuery	U MC	The actual query for a query-type participant object.	Usage refined by individual message descriptions Required if ParticipantObjectName is not present.

Modify Table A.5.3.2-1. Audit Log Used Message as follows:

Table A.5.3.2-1. Audit Log Used Message

	Field Name	Opt.	Description
...			
Participating Object:	ParticipantObjectName	U-M	Shall be: "Security Audit Log"
Identity of the audit log (1)	ParticipantObjectQuery	U	not specialized
...			

Modify

Table A.5.3.3-1. Audit Message for Begin Transferring DICOM Instances,
 Table A.5.3.4-1. Audit Message for Data Export
 Table A.5.3.5-1. Audit Message for Data Import
 Table A.5.3.6-1. Audit Message for DICOM Instances Accessed
 Table A.5.3.7-1. Audit Message for DICOM Instances Transferred
 Table A.5.3.8-1. Audit Message for DICOM Study Deleted
 Table A.5.3.15-1. Audit Message for Procedure Record
 as follows:

Note: Each message, the first Participating Object references the Study. The second Participating Object references the Patient.

	Field Name	Opt.	Description
...			
...	ParticipantObjectName	U MC	not specialized Required if ParticipantObjectQuery is not present.
	ParticipantObjectQuery	U MC	not specialized Required if ParticipantObjectName is not present.
...			
	ParticipantObjectName	U M	The patient name
	ParticipantObjectQuery	U	not specialized

Modify Table A.5.3.10-1. Audit Message for Query as follows:

Table A.5.3.10-1. Audit Message for Query

	Field Name	Opt.	Description
...			
Participating Object: SOP Queried and the Query (1)	ParticipantObjectName	<u>U</u>	not specialized
	ParticipantObjectQuery	M	If the ParticipantObjectIDTypeCode is (110181, DCM, "SOP Class UID"), then this field shall hold the Dataset of the DICOM query, xs:base64Binary encoded. Otherwise, it shall be the query in the format of the protocol used.
...			

Modify Table A.5.3.11-1. Audit Message for Security Alert as follows:

Table A.5.3.11-1. Audit Message for Security Alert

	Field Name	Opt.	Description
...			
Participating Object: Alert Subject (0..N)	ParticipantObjectName	<u>U</u> <u>M</u>	not specialized
	ParticipantObjectQuery	<u>U</u>	not specialized
...			

Modify
 Table A.5.3.13-1. Audit Message for Order Record
 Table A.5.3.14-1. Audit Message for Patient Record
 as follows:

	Field Name	Opt.	Description
...			
Patient (1)	ParticipantObjectName	<u>U</u> <u>M</u>	The patient name
	ParticipantObjectQuery	<u>U</u>	not specialized
...			