

DICOM Correction Proposal

STATUS	Assigned
Date of Last Update	2017/03/28
Person Assigned	Rob Horn
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Submission Date	2017/01/15

Correction Number	CP-rjh33-session-and-related-audit-codes
Log Summary:	Add session, authentication, authorization audit codes
Name of Standard	PS 3.15
Rationale for Correction:	<p>The current audit codes include login and logout codes. Newer security systems separate these events into component activities:</p> <ul style="list-style-type: none"> - Authentication of the user. This can range from extremely weak “what is your email address?” to extremely strong authentication like biometric identifications. - Authorization of the user/system to access or use some resource. - Beginning a session of activities for a specific authentication and authorization for those activities. <p>A login/logout is a typical combination of these activities. Many systems combine the authentication, authorization, and session into a single login activity. Logout corresponds to the ending of the session.</p> <p>New interaction sequences increasingly separate these into different activities performed by different systems at different times.</p> <p>This issue most recently arose in the context of JAHIS needing to track activity sessions by auditing when the session began and ended.</p>
Correction Wording:	<include proposed change below, following guidelines for formatting of changes in supplements>

Add to PS 3.16 Annex B

Code Value	Code Meaning	Definition	Notes
....			
110122	Login	Audit event: User login has been attempted.	
110123	Logout	Audit event: User logout has been attempted.	
<u>Newcode1</u>	<u>Authentication Decision</u>	<u>Audit event: An authentication decision has been made.</u>	
<u>Newcode2</u>	<u>Authorization Decision</u>	<u>Audit event: An authorization decision has been made.</u>	

<u>Newcode3</u>	<u>Session start</u>	<u>Audit event: A persistent session has started.</u>	
<u>Newcode4</u>	<u>Session stop</u>	<u>Audit event: Apersistent session has stopped.</u>	
<u>Newcode5</u>	<u>Access Control Decision</u>	<u>Audit event: An access control decision has been made.</u>	