

DCMTK - Feature #725

CP-1625: Define Conformance for an All-SOP-Class Storage Server

2017-03-03 14:05 - Jörg Riesmeier

Status:	New	Start date:	2017-03-03
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Library and Apps	Estimated time:	0:00 hour
Target version:		Compiler:	
Module:	dcmnet, dcmqrscp, dcmpstat?		
Operating System:			
Description			
<p>Rationale for Correction:</p> <p>We need to minimize the impediments to deployment of new SOP Classes. One such impediment is the need to configure storage servers for all new SOP Classes. We can facilitate this by defining a standard capability for support of all SOP Classes of PS3.4 Annex B, that can be (semi-)automatically updated with the current list.</p> <p>An earlier attempt to address this issue defined extended negotiation of the Storage SOP Class (see PS3.4 Section B.3.1.3), which allows an SCU to assert that a negotiated SOP Class is in fact conformant to Annex B. However, this mechanism requires implementation of extended negotiation for this capability by both the SCP and SCU, and has not proven to be practical.</p> <p>Rather, the method proposed here uses simple (non-extended) Association Negotiation, but imposes requirements on the server to be updateable to the current list of defined SOP Classes.</p> <p>This CP does not address the more important issue of display, which is a major impediment to the adoption of new SOP Classes, but PS3.4 Annex B does not address display requirements.</p> <p>This feature might be useful for our storage SCPs (storescp, dcmrecv, dcmqrscp, ...)</p> <p>Current status of this CP is "LB" (Letter Ballot).</p>			