

**IHE-RO Technical Committee
Registration Profile Sub-committee
Tuesday, February 12, 2008
12:00 – 02:00 PM
Conference Call**

Attendees:

Mr. Bill Bennett
Mr. Scott Johnson
Mr. Uli Busch
Mr. John Sarafa

Mr. Harold Beunk
Dr. Walter Bosch
Mr. Christof Schadt

Mr. Bob Philbin
Mr. Kurt Weimann
Mr. Colin Field

ASTRO Staff: Ms. Sunita Ranjitkar

I. Image Registration Profile

- The conference was held for the registration sub-group to summarize the issue(s) and propose solutions. Issues include missing actors in some transactions (vol. 2) and questions regarding Spatial Transformations in PACS usage (Series, Content Label). The Technical Committee will vote on proposed changes in Munich.

II. Proposals for enhancements of Image Registration Profile TF 2.0

- a. Registrator Actor: Currently the list in the Appendix has no transaction RO-27 (Structure Set Retrieval). But text in 7.3.1 – Point 5. says, that the Registrator retrieves Structure Sets. So either have to add the Transaction RO-27 to the Registrator in the Appendix A, or remove the Structure Set storage from this bullet point.
 - Discussion regarding the retrieval of Structure Sets by the Registrator Actor:
Should this transaction be removed from profile or made optional?
 - Consensus: Remove references to Structure Set retrieval by Registrator Actor.
- b. Registered Contourer Actor: Currently the list in the Appendix has included transaction RO-26 (Spatial Registration Storage). But text in 7.3.1 – Point 5. does not mention the Registered Contourer, although it describes the process of storing Spatial Registration. So either we want to keep RO-26 with Registered Contourer and then we add this actor into beginning of this bullet point (besides the Registrator) - or remove the transaction from Appendix A.
 - Discussion regarding the roles of Registered Contourer: Does this actor create Spatial Registration?
 - Consensus: No, the only actor to store Spatial Registration objects is the Registrator. The Registered Contourer only *consumes* Spatial Registrations.
- c. Discussion regarding the management of Spatial Registration objects within a PACS.
 - Several proposals were discussed:
 - i. Constrain Series UID

- ii. Use of Content Label (0070,0080) and Instance Number (0020,0013).
- o Consensus:
 - i. All registration objects share the Study UID of the base image set.
 - ii. No constraint on Series UID of registration objects
 - iii. No constraint on Content Label (0070,0080).
 - iv. No specified use of Instance Number (0020,0013)

III. New Business

- a. Availability of Test Data for Registration Profile testing
 - o Walter Bosch will host test data sets for download on the ITC server. Details (hostname and username) to be posted on the AAPM BBS IHE-RO Technical Committee Discussion Thread. Contact Walter (bosch@wustl.edu) to send data or if you need the password.

IV. Future Meetings

- a. March Domain Pre-Testing, Munich, Germany
 - o March 3 - 6, 2008 for Pre-Testing
 - o March 7 - 8 and 10-12, 2008 for Profile work (including clean up of TF 2.0/2008)

V. Adjourn (12:45 PM ET)