

IHE-RO Technical Committee
Conference Call
March 19, 2018
10:30 am – 12:00 pm EST

Technical Committee Chairs:
Scott Hadley, PhD, University of Michigan
Chris Pauer, Sun Nuclear

Mission Statement: *The American Society for Radiology Oncology (ASTRO) has formed a multi-society Task Force to undertake an initiative to promote the Integration of the Healthcare Enterprise (IHE) – Radiation Oncology (RO), fostering seamless connectivity and integration of radiotherapy equipment and the patient health information systems. The Task Force will include members from ASTRO, RSNA, American Association of Physicists in Medicine (AAPM), the American College of Radiology (ACR) and the Medical Imaging and Technology Alliance (MITA). In addition, members of the International community have also been invited to participate in IHE-RO. The IHE-RO Task Force, in close collaboration with radiotherapy product manufacturers, will develop appropriate integration profiles for radiation therapy and setup a demonstration of seamless communication among the full array of radiotherapy products.*

Attendees:

Chris Pauer, Sun Nuclear
Scott Hadley, UMich
Jill Moton, AAPM
Walter Bosch, WashU/ATC
Jim Percy, Elekta
Rishabh Kapoor, VCU
Koua Yang, Philips
Thomas Schwere, Varian
Sven Siekmann, Brainlab
Harold Beunk, ICT
Bruce Rakes
Stefan Pall Boman, Raysearch
Bob Pekarek, Accuray

Minutes:

- I. Call to Order at 10:35am ET
 - a. Review Agenda
 - b. Added discussion of MMRO-III

- II. Other committee updates.
 - a. PC
 - i. RO-ILS / IHE-RO joint presentation at ASTRO has been approved. Bridget K. to present.
 - ii. Bruce C. with other presentations at Spring Clinical and AAPM.
 - iii. Mary Feng is preparing a survey to gather additional information on HIS interactions. The intent is to find a meaningful consensus among physicians on this topic.
 - b. AAPM and Spring Clinical – Jill reported that meeting preparation in place. A few TC members are still wait-listed on hotel rooms, but this is expected to resolve.
 - c. IHE Testing / Connectathon – Walter reported that the 2017 Connectathon Test Report and the 2018 Connectathon Proposal Request had been accepted and approved by the IHE International Board.
 - d. Test tool update – Walter an updated version of the ICT Content Validator is to be released 3/19. Walter will distribute a link to download the update. This is expected to be the last update before the final release.

- III. Discuss Prescription Profile and possible conversion to options
 - a. Re-structuring the RXRO Profile was discussed briefly. It is not clear whether re-factoring the Profile into fewer Actors with Options will improve testability. This would increase flexibility for implementers, but may result in there being an inadequate number of test partners for Actors at the Connectathon.
 - b. The RXRO Profile has been updated to the latest draft of DICOM Sup 147. Sven will upload version 0.10 to the wiki.

- IV. Status of other Profiles
 - a. BRTO-II and TPPC are ready for incorporation in the TF.
 - b. An update of MMRO-III (discussed on this call) is being prepared for testing and incorporation in the TF.
 - c. This will take place after the 2018 Connectathon.

- V. MMRO-III update – Sven reviewed changes to the MMRO-III Profile document with the TC.
 - a. The requirements for “primary” and “secondary” images Series were discussed and revised. Primary images shall be either CT or MR, transversal images. Secondary images shall be CT, MR, or PET rectilinear images with image planes, within +/- 30 degrees of cardinal planes.
 - b. Spatial Registration instances shall share the Frame of Reference of the primary image Series.
 - c. Reference to “scaling” in DICOM Spatial Registrations was removed.
 - d. Sven will update the Profile and upload version 1.9 to the wiki.

- VI. Update on Treatment Delivery – Record Content
 - a. This topic was deferred to the April 2018 TC meeting.

- VII. Meeting Adjourned at 11:35am ET