

IHE-RO Technical Committee
Conference Call
July 16, 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
Jill Moton, AAPM
Walter Bosch, WashU/ATC
Stina Svensson, Raysearch
Sven Siekmann, Brainlab
Koua Yang, Philips
Rishabh Kapoor, VCU
Bob Pekarek, Accuray
Harold Beunk, ICT
Bruce Curran, VCU/AAPM
Jim Percy, Elekta
Sanjay Bari, Elekta
Stefan Pall Boman, Raysearch
Johannes Stahl, United Imaging

Minutes:

- I. Call to Order at 10:30am ET
 - a. Introduction of participants and review of TC activities
 - b. Review Agenda
- II. Review Earlier Minutes
 - a. TC Meeting April 10-13, 2018 minutes were approved without objections.
 - b. TC Teleconference May 21, 2018 minutes were approved without objections.
 - c. TC Teleconference June 18, 2018 minutes were approved without objections.
- III. Other Committee Update
 - a. PC and SC
- IV. Use Case Ranking
 - a. The TC briefly reviewed survey responses from ASTRO and AAPM. Interoperability issues were organized as HIS-RO, RO-RO, and Miscellaneous categories.
 - b. The PC is to discuss further on Thurs 7/19/18.
- V. Comments on Basic RT Objects-II (BRTO-II)

- a. Sven reviewed requirements for Segmented Property Type Modifier Code (0062,0011) in BRTO-II rev. 1.7
- b. Only one CID (244 = Laterality) is defined for this code and it is not extensible. The Type of this sequence was changed to O+. Usage note: "Not required; Shall contain only one code if present."
- c. Sven to update the BRTO-II Profile version 1.7 on the IHE-RO wiki

VI. Comments on Treatment Planning – Plan Content (TPPC)

- a. Comment from Thomas to remove Source to Surface Distance (300A,0130) and Source to External Contour Distance (300A,0132) attributes from the Control Point Sequence in the TPPC Profile. This removal was suggested by DICOM WG-07.
- b. Editorial change: the *order* of attribute requirements for Producers and Consumer Actors is to be made consistent with Producer requirements first and then Consumer requirements.
- c. Sven to update the TPPC Profile version 1.4 on the IHE-RO wiki.

VII. Review Changes for Treatment Delivery – Record Content

- a. DICOM WG-07 Ion Subgroup has been working on RT Ion Plan content for IHE-RO Profiles. However, the RT Ion Plan content is not yet ready for inclusion in the TDRC Profile. To avoid unnecessary delays in the development of TDRC, the RT Ion Plan related Producer and Consumer Actors have been removed from version 0.8 (June 22, 2018) of TDRC.
- b. TDRC is to be reviewed for Public Comment at the Aug 2018 TC meeting.

VIII. Deformable Registration

- a. A Clinical Impact Statement and Draft Profile (v.0.1) for the DRRO Profile are available on the IHR-RO wiki (ihe-ro.org). Further discussion of DRRO is anticipated at the August 2018 TC meeting.

IX. Technical Framework Template Change Proposal to include DICOM Content (Volume 3, Section 7)

- a. This CP has been reviewed by the IHE Domain Coordination Committee.
- b. Section 7.1.3 Requirement Inheritance – proposal to delete this section.
- c. 7.1.2 Requirements for attributes within Sequences were discussed.

X. Other Items

- a. Mark Pepelea (Philips) is to present RO domain activities at an upcoming IHE webinar on Aug 17 at 11:00 ET

XI. Meeting was adjourned at 12:00pm ET.