

IHE-RO Technical Committee Conference Call

April 21, 2022

10:30 am – 11:50 pm ET

Technical Committee Chairs:

Scott Hadley, PhD, University of Michigan

Jon Treffert, RaySearch

Mission Statement: *The American Association of Physicists in Medicine American Society for Radiology Oncology (AAPM) supports 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, 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.*

Attendance

Jon Treffert (Raysearch)
Jill Moton (AAPM)
Bruce Rakes (Mevion)
Walter Bosch (Wash U)
Harold Beunk (Demcon)
Martin von Siebenthal (Varian)
Scott Hadley (UMich)
Marcus Bergman (Raysearch)
Tucker Meyers (Epic)
Sanjay Bari (Elekta)
Bob Pekarek (Accuray)
Anthony DiDonato (Mitre)
David Wikler (IBA)
Stefan Boman (Raysearch)
Jim Percy (Elekta)
Michael Owens (Reflexion)

Minutes

- I. Call to Order at 10:34am ET
- II. Review Agenda
- III. Review Minutes
 - a. Minutes from the Feb 14-15, 2022, IHE-RO TC virtual face-to-face meeting were reviewed and approved without objection.
 - b. A discussion of Varian VTI and FHIR-based workflow profiles is to be included in the July TC meeting agenda.
- IV. Review/Approval of TDOR for public comment (the current text is in the TC Box repository)
 - a. **DECISION:** The TC approved publication of the TDOR Profile (ihe_ro_tdor_0.6.docx in IHERO TC share/TDOR Box folder) for Public Comment.
- V. Review of proposal for participation of non-profit and academic entities in IHE-RO testing
 - a. The TC discussed a draft proposal to allow broader participation in Connectathon testing.
 - b. The intention is to increase participation in testing. We want to reduce barriers, but do so in an acceptable manner.
 - c. Distinction was raised between informal Workshop testing and formal Connectathon testing.
 - d. Resolution of differences between fee structure in the RO Domain (tiered, based on revenue) and other IHE domains.

- e. Concern that excessive restrictions will be counterproductive. This is especially true for the FHIR-based profiles.
- f. The TC was generally supportive of referring the proposal to the IHERO Working Group.

VI. In-person Face to Face attendance (AAPM July 13-16, Washington, DC)

- a. Registration (no-cost) is required to access hotel reservation online. See <https://w4.aapm.org/meetings/2022AM/index.php>
- b. Vaccination is required for in-person attendance. Information on AAPM COVID Safety Protocols at <https://w4.aapm.org/meetings/2022AM/attendeelInfo/protocols.php>

VII. Status update – Meeting with vendors: Next steps in workflow profile

Leo Cancer Care
medPhoton
P-Cure
Proton VDA
Cosylab
Reflexion

VIII. Status update and next steps – QRRO, DOSE, BQAW

IX. DRRO Workshop Report

- a. Walter Bosch reported on informal testing of the DRRO Profile at the IHE-RO DRRO Workshop held April 11-13, 2022. In cooperation with the DRRO subgroup, volunteer judges Dan Polan (UMich) and Ben Archibald-Heeren (Icon, Sydney) developed test procedures and datasets. The four participating vendors successfully exchanged DICOM Deformable Spatial Registration objects for several test scenarios. A preliminary release of the DRRO Content Validator test tool was used in pre-testing. The workshop was helpful in identifying Issues regarding the Profile, test methods, datasets, and test tool.

X. Next PC Presentation: DRRO (May 17th)

XI. Adjournment at 11:45am ET