

IHE-RO Technical Committee Conference Call

May 16, 2024

10:30 am – 11:50 pm ET

Technical Committee Chairs:

Scott Hadley, PhD, University of Michigan

David Wikler, IBA

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

David Wikler (IBA)
Jill Moton (AAPM)
Walter Bosch (Wash U)
Harold Beunk (Demcon)
Jim Percy (Elekta)
Bruce Rakes (Mevion)
Jingjie Zhou (United Imaging)
Yili Luo (United Imaging)
Xiao Gu (United Imaging)
Richard Vögele (Brainlab)
Bob Pekarek (Accuray)
Bruce Curran (VCU)
David Holst (RaySearch)
Rishabh Kapoor (VCU)
Thomas Schwere (Varian)
Michael Owens (Reflexion)
Naveen Lakshmana
Sanjay Bari (Elekta)

Minutes

- I. Call to Order at 10:34 am EDT
- II. Review Agenda
 - a. The order of topics was modified and approved.
- III. Review Minutes
 - a. Minutes from the Apr 18, 2024 TC teleconference were reviewed.
 - i. **Motion by Bob Pekarek to approve; seconded by Jim Percy; approved without objection or abstention.**
- IV. Follow-up on actions from TC face-2-face meeting
 - a. SMRT Clinical Impact Statement [Jim]
 - i. The TC discussed the description, rationale, and anticipated clinical impact of the SMRT Profile. Jim will post the revised version to the IHERO TC share in Box.
 - b. Wiki Profiles Description Review [Jim]
 - i. SMRT - Consensus that further development in the TC is needed before updating SMRT on the wiki
 - ii. Updates are needed to TPIC and TDIC
 - c. MMRO-III rewording [Jim]
 - i. Clarification of description of Referenced Image Sequence. The wording was reviewed and revised.

- ii. ACTION: Jim to format the CP for TC review.
- iii. ACTION: Jim to send Stina Svensson the proposed change in wording as applicable to DRRO.

V. Review new versions as Content Profiles to send to IHE for publication

- a. BRTO-III [Jim]
 - i. Discussion of how to handle Contour Geometric Type values of CLOSED_PLANAR and CLOSEDPLANAR_XOR.
 - ii. Proposal to draft a CP to allow CLOSEPLANAR_XOR as a value of Contour Geometric Type in the TF and to update Connectathon test criteria to require correct usage in BRTO-II.
- b. PODOSE
 - i. Adds requirements to RT Dose in the context of BRTO-II. To be reviewed by TC at the next teleconference.

VI. Cybersecurity AAPM TG393 request for helpful integration profile

- a. Opportunity for ROTH disaster recovery use case? (Need to update the IHE wiki).
- b. To be reviewed at the next TC teleconference.

VII. Next TC meeting is June 20, 2024 Teleconference at 10:30am ET

VIII. Adjournment at 11:49 am EDT