

IHE-RO Technical Committee Conference Call

April 18, 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)
Thomas Schwere (Varian)
Bruce Rakes (Mevion)
Richard Vögele (Brainlab)
Bob Pekarek (Accuray)
Jingjie Zhou (United Imaging)
Yili Luo (United Imaging)
Xiao Gu (United Imaging)
Tucker Meyers (Epic)
David Holst (RaySearch)
Sanjay Bari (Elekta)
Scott Hadley (UMich)

Minutes

- I. Call to Order at 10:35am EDT
- II. Review Agenda
 - a. The order of topics was reviewed and approved.
- III. Review Minutes
 - a. Minutes from the Mar 18-22, 2024 TC face-to-face meeting at IBA HQ in Belgium were reviewed.
 - i. **Motion by David Wikler to approve as corrected; seconded by Jim Percy; approved without objection or abstention.**
- IV. Profiles Development Strategy (Workflow vs Transport vs Content Profiles) [David]
 - a. David reviewed IHE requirements for interoperability in terms of Content, Transport, and Workflow. Alternative options for structuring IHE-RO Profiles were discussed. E.g., HDSS could be included in BRTO-III, or we could create a separate HDSS Content Profile that is linked to BRTO-III.
 - b. Examples of components (TF Volumes 1, 2, 3) for different types of Profiles were reviewed.
 - c. Linkage between Actors can be specified as either a Required Grouping (“Actor is required to be grouped with...”) or as Cross-Profile Considerations (“Actor may be grouped with...”)
- V. Status of Profiles to send to IHE for publication [Jill]
 - a. HDSS [David, Richard]

- i. Discussion of restructuring the HDSS Profile as a Content Profile. Volume 1 identifies the Content Modules in Volume 3 with specific requirements.
 - ii. Add Content Module “RT Structure Set for HDSS” below (at the same level as) “RT Structure Set for Basic Interoperability” in Volume 3, Section 7.
 - b. BRTO-III [Jim]
 - c. CDEB [Christof]
 - d. **ACTION 240401**: Owners of HDSS (Richard, Christof), BRTO-III (Jim), CDEB (Christof) Profiles to review changes needed to convert to Content Profiles and report at next TC Tcon. (Work via email and arrange offline meetings as needed.)

- VI. Follow-up on actions from TC face-to-face meeting – to be reviewed at next TC Tcon
 - a. SMRT Clinical Impact Statement [Jim]
 - b. MMRO-III rewording [Jim]
 - c. Wiki Profiles Description Review

- VII. Next TC meeting is May 16, 2024 Teleconference at 10:30am ET

- VIII. Adjournment at 12:05pm EDT