

# IHE-RO Technical Committee Conference Call

December 16, 2021

10:30 am – 12:00 pm EST

## 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)  
Walter Bosch (Wash U)  
Scott Hadley (UMich)  
Bruce Curran (VA/VCU)  
Stefan Boman (Raysearch)  
Thomas Schwere (Varian)  
Tucker Meyers (Epic)  
Richard Voegele (Brainlab)  
David Wikler (IBA)  
Harold Beunk (DEMCON)  
Erli Chen (Cheshire Med. Ctr.)  
Bob Pekarek (Accuray)  
Sanjay Bari (Elekta)

## Minutes

- I. Call to Order at 10:34am ET
- II. Review Agenda
- III. Review Minutes
  - a. Minutes of the Nov 22, 2021 TC Technical Committee wrap-up meeting were reviewed and approved without objection.
- IV. TDRC Update
  - a. David Wikler reported on progress with Bruce Rakes on the TDRC-ION Profile. Their approach attempts to apply a common set of requirements across delivery techniques. Requirements are differentiated by SETUP and TREATMENT beams. Discussion of recording *all* SETUP attempts. Concern that this may not be supported by all vendors.
  - b. Reporting on dose for imaging beams is not required (Radiation Type may be PROTON or ION, but not PHOTON.)
  - c. Consensus that it would be good to unify the approach to setup beams in photon and ion beam treatments.
  - d. Jon Treffert volunteered to take on the role of champion for the TDRC-Ion Profile.
- V. XRTS Update
  - a. The XRTS Workshop (Dec 13-15, 2021) was a successful evaluation of the XRTS Profile. The XRTS subgroup, led by Rishabh Kapoor and Martin von Siebenthal organized.

- b. The AAPM test environment (VPN and test server) was used to evaluate Profile Transactions for a set of five successively more complex test cases. The XRTS Validator application and HAPI FHIR server were install on the AAPM/IHERO test server. Demcon provided updates to the XRTS Validator test tool to address issues during the Workshop.
- c. A demonstration (Dec 15) was open to a wider audience.

VI. Planning Committee Update

- a) AAPM Survey Results - AAPM Use Case Survey results were distributed to the TC on Dec 16.
- b) Profile Reviews – PC meetings are currently scheduled at 2:00pm ET
  - i. January 21 XRTS
  - ii. February 16 DPDW (workflow next steps)

VII. 2022 Meeting Planning/Budgeting

- a. Monthly call 3<sup>rd</sup> Thursday of month 10:30 ET – This meeting time was confirmed.
- b. AAPM Annual Meeting (Washington D.C. July 10-14 (Su-Th)
  - i. IHE-RO Session (Scott RFP) has been accepted for presentation
  - ii. Wed afternoon IHE-RO TC open meeting is to be scheduled in hotel/convention center
  - iii. Remainder of IHE-RO TC Face to Face – Th-Sat (2.5 days) at AAPM HQ, Alexandria, VA
- c. November Connectathon dates
  - i. Nov 14-19, 2022 (Mon – Sat) at AAPM HQ, Alexandria, VA

VIII. Future Meetings (per last Face to Face):

- 1. IHE-RO TC (virtual) Jan 31-Feb 1 and Feb 14-15, 2022
  - a. Decide on 2022 Connectathon mode and venue
- 2. IHE-RO TC (in-person) July 13, 2022 (mid-day) – July 16, 2022 (noon)
- 3. IHE-RO TC (virtual) Sept 19, 2022 TBD (tentatively, Alexandria)
- 4. IHE-RO Connectathon – Nov 14-19, 2022 TBD (tentatively, DC)

IX. Meeting adjourned at 11:30am ET