

# IHE-RO Technical Committee Conference Call

December 15, 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

Walter Bosch (Wash U)  
Jill Moton (AAPM)  
Scott Hadley (UMich)  
Jim Percy (Elekta)  
Bruce Rakes (Mevion)  
Bruce Curran (VCU)  
David Wikler (IBA)  
Harold Beunk (Demcon)  
Marcus Bergman (Raysearch)  
Richard Voegele (Brainlab)  
Sanjay Bari (Elekta)  
Thomas Schwere (Varian)

## Minutes

- I. Call to Order 10:33am EST
- II. Review Agenda
- III. Review Minutes
  - a. Minutes from the Oct 10-13, 2022 TC meeting in Alexandria, VA were reviewed and approved without objection.
  - b. Minutes from the Nov 19, 2022 TC meeting in Alexandria, VA were reviewed and approved without objection.
- IV. Agenda
  - a. AAPM Annual Meeting Tuesday afternoon schedule
    - i. Several options for outreach were discussed (Ann Meeting session/booth, Spring Clinical Meeting). Decision to pursue a comp booth at Spring Clinical Meeting. This is a low-cost option.
    - ii. **ACTION 221201:** Jill to follow up, check whether space is still available.
  - b. BRTO-III – Jim Percy
    - i. Jim reported on analysis of changes needed in updating BRTO-II to BRTO-III.
    - ii. Upward and downward compatibility issues were discussed, including the relationship between BRTO-II and BRTO-III: Required transactions in BRTO-II may be optional in BRTO-III, e.g., resampled/combined image Series. (Consider keeping resampled images, but making combined Series optional.)
    - iii. Other changes include adding Plan Overview (in RT Dose) to Dosimetric Planner and removing DVH Storage and Retrieval.
    - iv. Jim will continue working on the BRTO-III draft.

- c. XRTS Workshop – Dec 5-7 results, Next Testing Jan 17-18<sup>th</sup>, Public Demo Jan 23<sup>rd</sup>
- d. HDSS – PC Presentation, Improve CI
  - i. Richard to present HDSS to Planning Committee on December 20, 2022.
- e. TPPC – Proposed CPs. 1) Add Dose Reference Point to SS, 2) Add Dynamic Collimator Rotation
  - i. Discussion was deferred.
- f. Connectathon Results – Walter Bosch summarized results of the 2022 Connectathon.
- g. Single Test Partner Passing? – Walter and Scott
  - i. Concern has been expressed regarding an inadequate number of participants for peer-to-peer testing. This has been a chronic problem in some IHE-RO Profiles. The inability to test with at least two peers has left some vendors with no results, despite consistently passing peer-to-peer tests with one partner in successive Connectathons.
  - ii. While not as strong an indicator of interoperability as passing with multiple test partners, passing with an Actor’s only available partner, nevertheless deserves recognition.
  - iii. Defining a category to recognize passing with a single test partner was discussed, along with options for counting Test Tool passes for Producer Actors, comparing Consumer displays with reference screen captures, and developing functional tests of plans created by producers.
  - iv. **DECISION**: The term “Provisional Pass” is to be used in reporting Connectathon results to denote successful testing of an Actor with (a) test tools (if applicable) and (b) a single partner, when only one test partner is available. A definition of “Provisional Pass” is to accompany the results. Approved by the TC without objection.
  - v. **DECISION**: The “Provisional Pass” category is to be applied to 2022 Connectathon results. Approved by the TC without objection.

V. Next PC Presentation

- a. Richard Voegele to present HDSS Profile on Dec. 20, 2022.

VI. Other Business

None at this time.

VII. Adjournment at 12:00pm EST.