

IHE-RO Technical Committee Conference Call

August 18, 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

Bruce Curran (AAPM)
Marcus Bergman (Raysearch)
Sanjay Bari (Elekta)
Jon Treffert (Raysearch)
Harold Beunk (Demcon)
Jim Percy (Elekta)
Bruce Rakes (Mevion)
Thomas Schwere (Varian)
Andreas Lindström (Raysearch)
Bob Pekarek (Accuray)
Stefan Boman (RaySearch)
Jill Moton (AAPM)
Walter Bosch (Wash U)
Anthony DiDonato (Mitre)

Minutes

- I. Call to Order at 10:33 am ET
- II. Review Agenda
- III. Review Minutes – Minutes from the hybrid July 14, 2022 TC meeting were reviewed by the TC and approved as presented without objection.
- IV. Face to Face meeting (Oct 10-14 AAPM Alexandria VA)
 - a. AAPM COVID policy
 - i. Bruce reported that the mandatory vaccine requirement for AAPM HQ is no longer in place.
 - ii. AAPM expects to follow CDC and Virginia Dept. of Health guidance. Recommendation for masking of unvaccinated individuals that have been exposed to virus.
 - iii. AAPM executive committee to meet Aug 25 to update policy.
 - b. Agenda Suggestions
 - i. Presentation IHE Europe DICOM Data Repository - https://www.ihe-europe.net/IHE_SHARAZONE
 1. This is an alternative to Box for sharing datasets.
 2. Charles Parisot and/or Steve Nichols to present to DICOM WG-07 and the IHE-RO TC.
 - ii. New Profiles
 1. TPPC-Brachy is expected to be ready for Public Comment
 2. Proposal to use FHIR to implement DPDW

V. Fall Connectathon (Nov 14-18 (19 Wrap-Up) AAPM Alexandria VA)

a. Proposed Connectathon Timeline

1. Registration and participation agreement to be sent 9/9/22, due 10/3/22 – participants
2. Test datasets loaded into Archive 10/14/22 – WB
3. Test Tool instructions distributed 10/14/22 – WB
4. Planning instructions for Connectathon distributed 10/21/22 – **all judges**
5. Test Tool results due to Walter – 10/28/22 – participants
6. Connectathon dates: Nov 14-18, 2022 9am-5pm at AAPM HQ
7. Wrap-up Meeting Nov 19, 2022 9am-12pm ET at AAPM HQ

b. Anticipated Participation (informal poll of those present)

a. BRTO-II

- i. Contourer: VA, RA, EL, AC
- ii. Dosimetric Planner: VA, RA, EL
- iii. Dose Displayer: VA, RA, EL

b. MMRO-III

- i. Registrator: VA, RA, EL
- ii. Registered Contourer: VA, RA, EL
- iii. Registered Displayer: VA, RA, EL
- iv. Registered Dose Displayer: VA, RA, EL

c. TPPC

- i. Beam Producers (#) VA, RA, ??
- ii. Beam Consumers (#). VA, RA

d. TDW-II

- i. TMS / OST: EL, VA, RA
- ii. TDS: AC, ME, ??

e. TPPC-Ion (informal)

- i. Beam Producers (#): EL, ME, RA
- ii. Beam Consumers (#): RA, VA

f. Archive (BRTO-II, MMRO-III, TPPC): RA?

VI. Next PC Presentation

- a. DCOM – Walter to review the scope and clinical impact of the DCOM Profile on the next PC call on 9/20/22. Solicit vendor input regarding current expectations for relevant products. Does the Profile need to be updated?

VII. Adjournment at 11:17 am EDT