

IHE-RO Technical Committee Conference Call

January 20, 2022

10:30 am – 11:50 am 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)
Bruce Curran (VA/VCU)
Jim Percy (Elekta)
Bruce Rakes
Harold Beunk (Demcon)
Marcus Bergman (Raysearch)
Bob Pekarek (Accuray)
David Wikler (IBA)
Tucker Meyers (Epic)
Sanjay Bari (Elekta)
Thomas Schwere (Varian)
Richard Voegelé (Brainlab)
Stefan Boman (Raysearch)

Minutes

- I. Call to Order at 10:33am ET
- II. Review Agenda
- III. Review Minutes
 - a. Minutes of the Dec 16, 2021 TC Technical Committee meeting were reviewed and approved without objection.
- IV. IHE-RO.org wiki – excessive usage on the IHE-RO.org wiki (at HostPapa) has been reported to Farhana
 - a. It appears no large data files are stored on the wiki and no excessive bot traffic has been identified.
 - b. Jill to contact Chris Pauer to investigate further.
- V. DICOM CPs for IHE-RO consideration: CP2150, CP2152, CP2153
 - a. Discussion of implications of these CPs for IHE-RO Profiles was deferred to the next TC meeting starting Jan 31st
- VI. 2022 Planning
 - a. TPPC Brachy Trial Workshop
 - i. The TPPC-Brachy Profile is currently in Public Comment. It is not yet clear how widely implemented it is by brachy treatment planning vendors.
 - ii. Support was expressed for an informal test event. The Brachy group was encouraged to begin planning for a short (1-2 day) event later this year.

iii. Incorporation of Profile requirements into the IHE-RO Content Validator is to be added to the Demcon backlog (after DRRO update is completed).

b. Planning Committee Presentations

i. Next – DPDW/TDW Feb. 15.2022

VII. Other Discussion

a. Bruce Curran reported finding a CT Image Series from a Canon scanner that could not be imported by at least one vendor's brachytherapy treatment planning software. It appears the issue is the use of the unsigned integer (0000H) Pixel Representation (0028,0103). Bruce is working to acquire an anonymized test dataset from Canon.

VIII. Next meeting

a. IHE-RO TC (virtual) Jan 31-Feb 1 and Feb 14-15, 2022, 9:00am-1:00pm ET each day

IX. Meeting adjourned at 11:15am ET