

IHE-RO Technical Committee
Conference Call
June 19, 2017
10:30 am – 12:00 pm EST

Technical Committee Chairs:
Scott Hadley, PhD, University of Michigan
Chris Pauer, Sun Nuclear

IHERO Task Force Co-Chairs
Bruce Curran, MS, ME, FAAPM, FACMP, FACR, AAPM / VCU Health
John Buatti, MD

Mission Statement: *The American Society for Radiology Oncology (ASTRO) has formed 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, American Association of Physicists in Medicine (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.*

Attendees:

Chris Pauer, Sun Nuclear
Scott Hadley, UMich
Walter Bosch, WashU/ATC
Jill Moton, AAPM
Sven Siekmann, Brainlab
Koua Yang, Philips
Thomas Schwere, Varian
Stefan Pall Boman, Raysearch
Michael Owens, Reflexion
Harold Beunk, ICT
David Wikler, IBA
Jim Percy, Elekta
Rickard Holmberg, RaySearch
Bob Pekarek, Accuray
Bruce Rakes, Mevion
Rishabh Kapoor, VCU/VA

Minutes:

- I. Call to Order at 10:30am EDT
 - a. Review Agenda
 - b. No Minutes Review Today

- II. Update on Steering Committee Meeting and Planning Committee
- III. Begin Connectathon Preparation – The TC reviewed the timeline for Connectathon Preparation and set deadlines.
 - a. Profiles to be supported for testing
 - i. BRTO-II
 - ii. MMRO-III

- iii. TPPC
 - iv. TDW-II
 - v. DCOM
 - b. Prep Connectathon Actors and Attendee Poll by June 25
 - i. Annotate the state of each profile on the poll.
 - c. Review Actor Poll and Approved by July 1, Distribute ASAP
 - d. Registration / Participation Agreement – Due by August 9
 - e. Judges Meeting / Teleconference on or about August 9
 - f. Vendors reminded about Test Tool results / Outstanding Poll Returns – August 15
 - g. Equipment / Electrical and Net Access Verified – resources: Jim Percy, Uri Nietsky, Miranda, Harold Beunk
 - h. Hotel / Travel Information Communicated by August 15
 - i. Connectathon Information Available on wiki
 - j. Test Tool results submitted to Judges – 2 weeks prior to start of Connectathon – by 9/25
- IV. ICT Information / Contribution for Connectathon
 - a. Do Vendors need review of Test Tool Use?
 - b. ICT has offered to demo how to use the Test Tools in Unit Testing for Development
 - c. RXRO Trial Test Tool
 - d. IHE-RO Content Validator Tool can validate DICOM instance for multiple profiles.
- V. Review State of Treatment Delivery – Record Content profile – The TC reviewed version 0.5 of the TDRC Profile Draft.
 - a. This is a content profile – the majority of information is in Volume 3, Part 7.
 - b. Much of the content is modality-agnostic and should be able to support multiple.
 - i. Bob Pekarek is preparing a white paper on delivery records for tomotherapeutic and robotic treatments.
 - ii. Recording of Ion Beam spot scanning treatments may limited.
 - iii. PET-based treatments would require the Radiopharmaceutical Information Sequence to record radiopharmaceutical dose. TC to investigate usage of Patient Radiation Dose Structured Report for this Use Case.
 - c. An error was noted in the IHE-RO Content Definitions in the Treatment Delivery Instruction.
 - d. **ACTION 170601**: Chris to edit IHE-RO Content Definitions to correct inconsistencies in Treatment Delivery Instruction and draft a CP to correct references in the TDW-II Profile
 - e. **ACTION 170602**: Chris to edit TDRC Profile to include additional specific content
- VI. Upcoming meetings or other final items.
 - a. August Face-to-Face to be held in the Executive Board Room of the Hyatt Hotel
 - i. An Ion Sub-group meeting is scheduled on Thursday Aug 3, 2:00-5:30pm
 - ii. **ACTION 170603**: Chris to post meeting logistics for the August Face-to-Face on ihe-ro.org wiki
- VII. Meeting Adjourned at 11:50am EDT