

**IHE-RO Technical Committee
Conference Call
March 19, 2020
10:30 am – 12:00 pm EST**

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

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.*

Attendees

Bob Pekarek
Bruce Rakes
Chris Pauer
David Wikler
Harold Beunk
James 'Russ' Price
Jon Treffert
Jim Percy
Richard Voegele
Stefan Pall Boman
Thomas Schwere
Walter Bosch
Yonantan Vainer
Jill Moton
Tucker Meyers
Rickard Holmberg
Rishabh Kapoor
Bruce Curran
Sanjay Bari

Minutes

- I. Call to Order at 10:35am ET. A quorum was present.
- II. Review Agenda – Agenda was adjusted per requests.
- III. Minutes Review – Minutes of the Feb 20, 2020 TC Teleconference were reviewed and approved without objection.
- IV. Other committee updates.
 - a. PC and SC – Chris reported on the 3/10 IHE-RO WG call. Discussion included priorities for Profile development, relevance of test results, and struggles of new vendors to participate.

- b. IHE Domain Committee – Chris has forwarded the updated Technical Framework Volume 3 material to Mary Jungers.
- V. Other IHE-RO Items
 - a. Jim Percy reported that the Brachy Profile has been updated and posted to the ihe-ro.org wiki
- VI. Sensus Healthcare
 - a. Russ and Yonatan introduced Sensus Healthcare to the TC. The company was founded 10 years ago to produce an X-ray based technology for superficial RT to treat skin diseases. Their product is a Windows-based system that includes Ultrasound image acquisition, treatment planning, and OIS. The system reads DICOM CT Images. Ultrasound capture currently does not use DICOM. Also uses photograph capture. The company is also developing an X-ray based (non-isotropic) intraoperative device.
 - b. IHE-RO Content Profiles (esp., BRTO-II, MMRO-III) may provide guidance on interoperable exchange of DICOM objects.
- VI. XRTS (HIS) Profile
 - a. No update at this time.
- VII. Technical Framework Updates – documents for all three TF Volumes have been forwarded to the IHE Domain Committee for publication.
- VIII. CT Shift Profile – CP has yet to be developed. Discussion was deferred to April.
- IX. TDW-II – David Wikler discussed a clarification of the TDW-II Profile post Connectathon involving Exception Handling for Unexpected UPS.
 - a. The intent is to allow a TDD to support work item codes other than “RT Treatment with Internal Verification”.
 - b. Unsupported UPS exception handling:
 1. Profile does not specify when to cancel
 2. Profile does not specify why to cancel
 3. Signing-off is not useful as the staff who sees the issue is not responsible for the wrong UPS and cannot fix it for the next day. This looks like going too far in specifying application behavior.
 4. The important goal here is to make sure the user does not see or ignore that some received UPS are unsupported
 5. Cancelling may not be required as it looks outside of the intended goal.
 6. What to do if there are *multiple* workitems in the same Session and some workitems are supported and some are not?
 - c. Further discussion at the April 2020 TC meeting.
- X. RT Image CP? (tabled)
- X. April meeting
 - I. Meeting times are 8:30am – 5:30pm (Mon-Thu), 8:30am – 12:00pm (Fri)
 - II. **ACTION 200301**: Chris to publish agenda for April
- XI. Reporting of Test Results
 - I. Discussion deferred to April meeting (AM agenda)
- XII. Meeting was adjourned at 12:05pm ET.