

**IHE-RO Technical Committee
Conference Call
February 20, 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

Sanjay Bari
Bob Pekarek
Chris Pauer
David Wikler
Harold Beunk
John Stamm (Epic)
Richard Voegele
Rickard Holmberg
Scott Hadley
Stefan Boman
Thomas Schwere
Walter Bosch
Jill Moton
Andreas Lindstrom
Elias Lundeqvist
Marcus Bergman
Bruce Curran
Jim Percy

Minutes

- I. Call to Order at 10:35am ET. A quorum was present.
- II. Review Agenda – The agenda was reviewed. Several items were added.
- III. Minutes Review – Minutes of the January 16, 2020 IHE-RO TC teleconference were reviewed and approved without objection.
- IV. Other committee updates.
 - A. PC and SC – Bjorn Hardemark (RaySearch) was elected as co-chair of the PC, replacing Mark Pepelea in that position.
 - B. IHE Domain Committee
 - C. TC Administrative Matters

1. TC members are asked to submit nominations (2 names) for TC industry co-chair.
2. Housing deadline for TC April F2F meeting (AAPM Spring Clinical Meeting) is Mar 5.
3. June TC Teleconference needs to be rescheduled to June 11.

V. XRTS (HIS) Profile

- A. John Stamm (Epic) reported on the status of the XRTS Profile. It was noted that changes to the profile with respect to last face-to-face meeting were minimal.
- B. **DECISION**: The Technical Committee voted to promote the XRTS Profile (version 0.2.1) to Public Comment without objection.
- C. **ACTION 200201**: Chris Paure to forward XRTS Profile (version 0.2.1) to IHE Domain Coordination Committee for Public Comment.

I. Technical Framework Updates

- A. Chris reported on work with Mary Jungers / IHE Domain Coordination Committee on incorporation of Profile Supplements in the IHE-RO Technical Framework. Some editorial change was required for consistency with the TF.
- B. Volume 3 (Content Modules) is new.

II. CT Shift Profile

- A. The goal of this Profile is to communicate (a) simulation isocenter and (b) the offset to treatment isocenter(s).
- B. A recent publication (Covington, Popple, Cardan, J. Appl. Clin. Med. Phys 2020; 1-4., <https://doi.org/10.1002/acm2.12830>) addresses setup issues relevant to this Profile. (See https://aapm.onlinelibrary.wiley.com/doi/full/10.1002/acm2.12830?af=R&utm_medium=twitter&utm_source=d1vr.it)
- C. Is a new name needed for this Profile?
- D. The scope of this Profile was discussed. Some of the content is already addressed by the TDPC Profile. Setup instructions are in the Beams Delivery Instructions.
- E. **ACTION 200202**: Thomas Schwere to create diagrams to visualize the setup process and information to be communicated.
- F. **ACTION 200203**: Jim Percy to draft DICOM CP for the RT Patient Setup module to include Referenced Patient Setup Number, Reference RT Structure Set, and Referenced ROI Number.

III. TDW-II Profile Proposed Revisions

- A. David Wikler presented a proposed modification to the TDW-II Profile (rev. 18)
 1. Exception Handling for Unexpected UPS, i.e., for Workitem Codes other than RT Treatment with Internal Verification. Other workitems are allowed, if they are supported by the TDD. Delivery is canceled for unsupported workitem codes. How and when these workitems are canceled was discussed.
 2. Cancellation before the UPS Progress is set to zero could be used to indicate that the UPS is not handled. This would require that all unsupported workitems be canceled immediately after they are selected.
 3. DICOM Unified Procedure Step Service and SOP Classes are specified in Part 4 of the Standard (http://dicom.nema.org/medical/dicom/current/output/chtml/part04/chapter_CC.html)
 4. Further discussion of regarding revision of TDW-II was deferred to the next IHE-RO T-con.

IV. Brachy Discussion: Channels and Profile Extension.

- A. Jim Percy reported on progress in the Brachy sub-group.
- B. There is agreement that channels should be represented in the RT Structure Set.
- C. Help is needed to draft Profile documents.

V. Future Meetings

- A. April Face-to-Face Meeting at AAPM Spring Clinical Meeting
- B. June Teleconference has been rescheduled to June 11, 2020.
- C. October Face-to-Face
 1. David Wikler confirmed availability of IBA facilities for the Oct 5-9 TC Face-to-Face meeting

2. Information regarding logistics is in preparation.

VI. Reporting of Test Results (deferred to future meetings)

- A. Reporting Connectathon successes with insufficient number of test partners
- B. Clarification of rules regarding versions referenced in Integration Statements

VIII. Meeting was adjourned at 12:02pm ET.