

**IHE-RO Technical Committee  
Conference Call  
May 21, 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**

Jim Percy  
Chris Pauer  
Rok Stefanic  
Walter Bosch  
Rishabh Kapoor  
Jon Treffert  
Rickard Holmberg  
Sanjay Bari  
David Wikler  
Bruce Rakes  
Thomas Schwere  
Scott Hadley  
John Stamm  
Stefan Boman  
Jill Moton  
Bruce Curran  
Harold Beunk  
Bob Pekarek

**Minutes**

- I. Call to Order at 10:32am ET. A quorum was declared.
- II. Review Agenda – meeting agenda was reviewed and revised
- III. Minutes Review – Minutes of the May 21, 2020 TC Teleconference were reviewed and approved without objection.
- IV. Other committee updates.
  - a. PC and SC.
    - i. The IHE-RO Working Group met and discussed XRTS,
  - b. IHE Domain Committee

- i. Chris presented XRTS Use Cases. Specifically use of FHIR vs HL7. Opinions have changed. Preference is to use HL7 as the FHIR standard is still in flux.

V. Other IHE-RO Items

- a. XRTS
  - i. Rishabh updated the group on XRTS progress. Specifically, mapping of DICOM to HL7. More detailed discussion at the July TC meeting.
  - ii. Coordination of the XRTS Profile with the Mitre group / ASCO cancer link / ASTRO. They have defined a minimum dataset for cancer. It includes a standard for HL7/FHIR addressing med-onc data.
  - iii. XRTS has been submitted to IHE for Public Comment – currently awaiting formatting and publication. Publication expected in the next few weeks.
- b. Brachytherapy Group – no update
- c. DPDW – Thomas Schwere reported briefly on progress on offline recording use case.
- d. DRRO – no update
- e. Co-Chair Nominees
  - i. Presentations by candidates
    - I. Rok Stefanic – Cosylab
    - II. Jon Treffert – Raysearch
  - ii. Jill to distribute ballot on Monday, June 15. Response expected in two weeks.

VI. TDW-II Version 18 – David Wikler

- a. Exception Handling for Unexpected UPS – changed to *Unsupported* UPS to clarify the scope of the requirement to workitems that are *not supported* by the TDD.
  - i. Display requirements for TDD? The purpose of this requirement is that the user should not ignore misconfigurations. The only explicit requirements are for Scheduled Station Name code meaning and Scheduled workitem Code meaning. Other items to be displayed to the user were considered. [The proposal to require display of the following four attributes was accepted:](#)
    - I. Patient Name
    - II. Patient ID
    - III. Scheduled Station Name code meaning
    - IV. Scheduled Workitem Code code meaning
  - ii. [Four other attributes were discussed, but rejected because they are not required items in the UPS:](#)
    - I. Treatment Delivery Type
    - II. Plan Label
    - III. Fraction Number
    - IV. Number of Fractions
  - iii. Discussion of where in the Profile to include requirements for exception handling. Correct behavior on unsupported workitems will need to be considered in other workflow profiles.
- b. Treatment Record retrieval for Continuation of Delivery
  - i. The Retain Original Treatment Records Option has been added to require the OST to retain all information from RT (Ion) Beams Treatment Storage SOP Instances received from the TDD as described in the level 2 SCP conformance Storage Service Class.
  - ii. Some TDDs *require* that this *Option* be supported by the OST.
  - iii. Further clarification is needed. More discussion on this topic is planned for July meeting.

**Deleted:** No final decision on requirements for user notification.

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VII. Agenda for July 2020 TC Meeting.

- a. Meeting times: Wednesday-Friday mornings (9:30am – 1:30pm EDT)
- b. Preliminary agenda/topics:
  - i. Wed: Level Set, XRTS
  - ii. Thu: DRRO TDW-II ROTH
  - iii. Fri: General Dose, Connectathon

VIII. Connectathon updates

- a. The Test Committee is considering technical requirements and options for holding a “virtual” connectathon. Farhana Khan (AAPM IT) is assessing VPN capabilities available to support distributed testing.
- b. As of 6/10/2020, the IHE European Connectathon is being planned as face-to-face.

XI. Meeting was adjourned at 12:00pm EDT.

