

IHE-RO Technical Committee Conference Call

June 17, 2021

10:30 am – 12:00 pm 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)
Michael Owens (Reflexion)
Jim Percy (Elekta)
Scott Hadley (U Mich)
Harold Beunk (DEMCON)
David Wikler (IBA)
Sanjay Bari (Elekta)
Martin von Siebenthal (Varian)
Thomas Schwere (Varian)
Michelle Casagni (MITRE)
Anthony DiDonato (MITRE)
Tucker Meyers (Epic)
Bruce Rakes (Mevion)
Bruce Curran (VA/VCU)
Stefan Boman (Raysearch)

Minutes

- I. Call to Order at 10:33am ET. A quorum was present.
- II. Review Agenda
- III. Minutes Review – Minutes from the May 4, 2021 TC virtual F2F meeting were reviewed by the group and approved without objection.
 - a. **ACTION 210601:** Jon to follow up on the procedure for CP of the TPPC-Brachy Profile to address retired attributes.
- IV. XRTS Update
 - a. Martin von Siebenthal reported that an official location for XRTS had been created on GitHub.
(<https://github.com/IHE/RO.XRTS>)
 - i. An overview of ongoing IHE profiles using IG publisher where XRTS is now the first addition from RO: Active IHE projects using the IG builder · IHE/supplement-template Wiki (github.com)
<https://github.com/IHE/supplement-template/wiki/Active-IHE-projects-using-the-IG-builder>
 - b. Review of DemCon proposal for development of (FHIR) Test Infrastructure
 - i. Harold Beunk provided an overview of the DemCon proposal
 - ii. Estimate of 250-275 hours for basic develop XRTS Validator.
 1. A budget of 440 hours is available for this effort.
 2. There are no outstanding major issues for the Content Validator or UPS Validator Tools at this time.

3. The XRTS Profile is still being refined, but changes can be
- iii. **DECISION**: The proposed development of the FHIR Test Infrastructure by DemCon was approved by the TC without objection or abstention.

V. IHE Update

- a. Harmonizing with IHE
 - i. Concerns have been expressed by IHE that content is out of sync or not visible from IHE
 1. IHE-RO wiki (<http://ihe-ro.org>) - Initially created and maintained by the TC (Chris, Christof).
 - ii. Leveraging IHE infrastructure - IHE wiki (<http://wiki.ihe.net>)
 1. Maintain development timelines, strategic planning documents
 2. Access permissions to wiki.ihe.net?

VI. Planning Committee Update

- a. Incorporation of IHE-RO codes into SNOMED
 - i. Disease site codes (from mCODE) to be distributed to the TC for comments
- b. Offline Image Review Use Case
 - i. TDIC and TPIC are works in progress
 1. David Wikler: the current RT Image IOD is sufficient to represent projection images; Spatial Registration IOD (MMRO-III) is adequate for 3D imaging
 2. Additional work is needed for positioning instruction / approval
 - ii. Incorporation of other modalities – e.g. surface tracking
 - iii. **ACTION 210602**: Jon and Scott to Identify champions for the offline image review Use Case.

VII. July (virtual) Face to Face agenda

- a. IHE-RO TC meeting is scheduled for July 19-20, Aug 2-3; 9am – 1pm ET each day

VIII. DropBox to Box migration

- a. Migration for DRRO (large files) is in progress

IX. Meeting Adjourned at 11:52am ET