IHE-RO Technical Committee
Conference Call
August 27, 2020
10:30 am – 12:00 pm EST

Technical Committee Chairs:
Scott Hadley, PhD, University of Michigan
Chris Pauer, Sun Nuclear
Jon Treffert, RaySearch, Incoming Chair

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

Chris Pauer
Walter Bosch
Tucker Meyers
Jill Moton
Jon Treffert
Thomas Schwere
Harold Beunk
Stefan Boman
Jim Percy
David Wikler
Chadd Smith
Bruce Curran
Rickard Holmberg

Minutes

I.   Call to Order at 10:35am EDT. A quorum was declared.

II. Review Agenda

III. Minutes Review – August 27, 2020 Teleconference Minutes were reviewed and approved (motion; Jon Treffert, second: David Wikler) with no objections or abstentions.

IV. Other committee updates.
    a. PC and SC
        i. Monthly presentation to PC on the status of one (featured) Profile.
    b. IHE Domain Committee
        i. Submission of updated TDW-II Profile Supplement (currently in Trial Implementation) to Mary Jungers is pending. Promotion to Final Text to be discussed at the Oct 5-9, 2020 TC meeting.

V.   Can we subdivide work on profiles to show progress in a more granular fashion?
    a. Proposal to track milestones on Profile Table

i. Suggested milestones (add columns to table)
                1. Volume 1: Use cases, actors and first cut at transactions
                2. Volume 2: Transactions
                3. Volume 3: Data
                4. Assign weighting (profile A will need 20% for Volume 1, 80% for Volume 2, but profile B will be 90% Volume 1)
        b. ACTION 200901: Chris to add columns to Profile table on ihe-ro.org wiki and ask Profile editors to assess status of their Profiles

VI.   Revisit C-Get issues
        a. TC members were asked to review their DICOM transport plans for further discussion.
            i. Thomas reported that Varian plans to implement C-GET and TLS. The primary motivation is secure communication. (C-MOVE adds complexity to use of TLS).

VII. DICOM Secure Transport
        a. There is momentum to implement secure transport.
        b. Could include C-GET as part of a secure transport profile.
        c. Proposal to create a generic addendum to all existing IHE-RO Profiles to add a Secure Transport Option that secures network services with TLS and uses C-GET for retrievals.
        d. ACTION 200902: Chris to ask Mary Jungers regarding a "rider Profile" that would modify the behavior of existing Profiles by adding a Secure Option across the board (rather than modifying the text of individual Profiles or Technical Framework).
        e. DICOM Web transport was discussed: should DICOM Web transport be included a Security Profile?
            i. Use of DICOM Web may ease configuration of Secure Transport, but there may be push back from network security administrators.
            ii. It is unclear if there sufficient motivation to implement DICOM web in RT at this time.

VIII. Connectathon Updates
        a. VPN equipment has been purchased. It is expected to be availability by mid-October.
        b. Chris is extending the Connectathon questionnaire to facilitate coordination of testing.
        c. A smoke test is scheduled for the week of Nov 2, with volunteers: Sun, Varian, Brainlab.
        d. Connectathon Nov 16-20. An all-hands meeting to schedule test sessions to be held the week before.
        e. ACTION 200903: Vendors to communicate claimed adherence of their products to IHE-RO Profiles/Options to Jill.

IX.   XRTS Update
        a. Public Comments – Chris reviewed issues and proposed changes from comments submitted by Jim Percy and John Stamm.

X.   Product Registry
        a. Stefan Boman has attempted to register RayStation in the IHE Product Registry. Available choices for Actors appear to be outdated on the website and RO Actors are missing.
        b. ACTION 200904: Chris to discuss need for updating and inclusion of RO Actors in the IHE Product Registry with IHE Domain Coordination Committee.

XI.   ROTH Clinical Impact Statement update – deferred to next meeting.

XII. October Meeting Agenda. (Oct 5-9)

XIII. Meeting adjourned at 12:03pm EDT.