**IHE-RO Technical Committee**

**Conference Call**

**October 18, 2018**

**10:30 am – 12:00 pm EST**

**Technical Committee Chairs:**

**Scott Hadley, PhD, University of Michigan**

**Chris Pauer, Sun Nuclear**

**Mission Statement:** *The American Society for Radiology Oncology (ASTRO) has formed 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, American Association of Physicists in Medicine (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, Sun Nuclear

Jill Moton, AAPM

Walter Bosch, WashU/ATC

Sven Siekmann, Brainlab

Bob Pekarek, Accuray

Harold Beunk, ICT

Bruce Curran, VCU/AAPM

Jim Percy, Elekta

Stefan Pall Boman, Raysearch

Johannes Stahl, United Imaging

Chandu Patil

Tucker Meyers, Epic

Scott Hadley, UMich

**Minutes**:

1. Call to Order at 10:34am ET
   1. Review Agenda
2. Other Committee Update
   1. PC and SC
      1. RAD – Previous Images / Presenting on Mobile
      2. Use Case activity continues in the PC. A Use Case survey is to be released tomorrow, 10/19.
      3. RT3 Machine Characterization has been distributed to AdvaMed vendors for first-level review. Updated version expected at the next technical call in November.
   2. IHE Domain Coordination Committee (DCC)
      1. Chris has discussed differences in usage of presence requirements for attributes between RO and RAD Domains in the DCC. Work to harmonize usage is in progress.
      2. Chris has submitted the TDRC Profile for Public Comment.
3. Pre-testing Needed?
   1. Expanding informal testing opportunities at TC meetings was discussed.
   2. ACTION 181001: Jill to send a survey to TC members, asking, “Would you be interested in a informal testing as part of an IHE-RO TC meeting?” “Would early 2019 work?”
4. BRTO-II
   1. If a Study ID is not there, should we require it?
      1. Study-level attributes (Date, Tiime, ID, Accession Number) must be consistent among instances within a Study. Thus, if the source attribute (CT Image) is NULL, the copy must be NULL. Change Type from R+ to RC+.
      2. Sven reviewed several editorial updates to BRTO-II. The updated document is version 1.9.
   2. Dose Displayer vs. Planner
      1. Is there a means to review dose instances that do not have an adherent plan?
      2. Sven to add this as an open issue to the Profile.
   3. Variable Spaced CT data
      1. Bruce is working to create test data with variable slice spacing.
5. TPPC
   1. Sven reviewed changes to version 1.5. These include corrected indentation for Aperture Shape and Effective Wedge Angle requirements.
   2. Add SSD for Basic Static Electron Beam (SSD and Source to External Contour Distance have been restored from previous versions.)
   3. Remove Dose Rate requirements? Dose Rate Set attribute is required (R+), but is not provided by all vendors. This attribute is retained for now.
6. MMRO-III
   1. Description of the Registration Sequence (0070,0308) was clarified to indicate that the order of items is not significant.
   2. Module tables to replaced by Chapter 7 table.
   3. Content Identification Macro – annotation/identification for registrations. Stefan Boman will prepare a draft of content for MMRO-III for future consideration.
7. Connectathon Results
   1. Walter reported that 2018 Connectathon Results were reported to the IHE Testing and Tools Committee on 10/16/18. The results were approved to be forwarded to the IHE Board.
   2. The IHE Board to review IHE-RO Connectathon results at the next meeting (2nd Thursday in November).
8. Call for Nominations
   1. Nominations for TC industry co-chair were solicited.
9. Interoperability Document
   1. Chris is reviewing a National Academy of Medicine document involving interoperability.
10. Basic QA Workflow
    1. Chris discussed features of the Basic QA Workflow Profile draft (version 0.10) he is developing.
    2. Key Object Selection IOD is included to implement a type of data manifest / worklist.
11. Next TC Tcon is Nov. 15, 2018 at 10:30am ET.
12. Meeting was adjourned at 12:00pm ET.