

IHE-RO Technical Committee  
Conference Call  
June 24, 2015

Technical Committee Chairs:  
Scott Hadley, PhD  
Chris Pauer, Accuray

IHERO Task Force Co-Chairs  
Dick Fraass, Ph.D., FAAPM, FASTRO, FACR  
John Buatti, MD

**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.*

**In Attendance:**

Chris Pauer, Accuray  
Walter Bosch, Washington Univ.  
Crystal Carter, ASTRO  
Shannon Regan, ASTRO  
Scott Hadley, U Mich  
Jim Percy, Elekta  
Sven, Siekmann, Brainlab  
Koua Yang, Philips  
Uli Busch, Varian  
Bridget Koontz, Duke Univ.  
Eli Stevens, Mobius Medical

**Minutes:**

- I. Call to Order at 1:05pm ET. A quorum was declared.
  - a. Review Agenda - approved
  - b. Other broad topics to add
  
- II. Approval of TC Minutes
  - a. Minutes from April TC Meeting were approved without objection
  - b. Minutes from May TC Teleconference were approved without objection
  
- III. Agenda Items
  - a. Updates from other IHE-RO committees

- i. The IHE-RO Planning Committee will review Use Cases for prioritization at its July 28 (4pm ET) meeting. This will be a joint PC/TC meeting. Crystal to distribute meeting details. (The July 22 TC has been rescheduled for July 29 at 1pm ET.)
    - ii. A survey on the topic of prescription for therapy has been distributed.
  - b. Discuss Connectathon site – Sun Nuclear has confirmed availability of their site in Melbourne, FL for the IHE-RO NA Connectathon, Sep 21-25, 2015 and TC meeting Sep 27-30, 2015 (ending at noon on Sep 30)
  - c. “Offline Review” – discussion of what is intended in this use case
    - i. Scott is working with Adam Earwicker to define this use case.
    - ii. Content for off-line image review are covered by the TDIC Profile
  - d. Other proposed profiles
    - i. “Decubitus Structure Set Import” – A Clinical Impact Statement would be helpful. How this patient orientation is handled has implications for segmentation, planning, and delivery. .
    - ii. Brachytherapy – scope needs to be defined. The DICOM WG-07 Brachytherapy Sub-group has started work on an IHE-RO Brachytherapy Profile. Scott is champion for this
  - e. IHE update
    - i. IHE is expected to begin collecting fees. **ACTION 150601**: Crystal to request vendors to communicate fee requests received by their companies to ASTRO.
  - f. RT Structure Set data with FoR UID and Position Reference Indicator at the top level (see ACTION 150525) have been distributed by Sven Siekmann to TC members for evaluation in their systems.
  - g. QAPV discussion
    - i. Means for capturing (RT Plan) objects that fail assessment for later forensic analysis were discussed. Byte-stream encapsulation in the DICOM Object Evaluation IOD discussed earlier has been removed from the DICOM Draft Supplement 185. It was suggested that wording be added to the profile to require capture of failed object instances in some form that is available for subsequent analysis.
  - h. Outstanding Action Item Update – deferred to next TC meeting
    - i. Review action spreadsheet that can be found at <https://docs.google.com/spreadsheets/d/1AZg-VJOX-MLZjQvL6sCfWbdg74gz3jhW26i-6Zzlcns/pubhtml> .
  - i. Connectathon dates approved for 2015
    - i. IHE-RO NA Connectathon – Sep 21-25, 2015, TC Mtg Sep 27-30, 2015, preferred location is Washington, DC, alternate is Melbourne, FL.

#### IV. Important Information

- a. Next call is scheduled for **July 29, 2015 at 1pm ET**

#### V. Adjourned at 2:05pm ET