

**IHE-RO Technical Committee  
Conference call Minutes  
April 29, 2010 at 12:00-2:00 PM ET**

**Technical Committee Chairs:  
Bruce Curran, MS, ME  
Stuart Swerdloff, PhD**

**IHERO Task Force Co-Chairs  
Jatinder Palta, Ph.D.  
Prabhakar Tripuraneni, M.D., F.A.C.R., F.A.S.T.R.O.**

**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**

Bruce Curran, RI Hosp.  
Stuart Swerdloff, Elekta  
Walter Bosch, ATC  
Sunita Ranjitkar, ASTRO  
David Murray, DICOM  
Julio Almanza  
Shagun Grover, TSG Integrations  
Christof Schadt, BrainLAB  
Annie Ju, Accuray  
Sanjay Bari, Elekta  
Colin Winfield, Elekta  
Sue Reilly, Elekta (CMS)  
Ashutosh Shirsat, Siemens

- I. Call to Order @ 12:08 PM ET
  - a. Approval of Agenda - approved
  - b. Approval of minutes from April 1, 2010 - approved without objection
- II. Agenda Items
  - a. Report from IHE-RO Planning Committee - T-con earlier this week

- Submitted two abstracts to ASTRO
  - IHE-RO logo has been developed to be sent to IHE for approval
  - Soliciting use cases for 2011 deadline May 28
  - Bruce reviewed the status of proposed use cases for this year, including Structure Set templates, User Authentication (questions regarding software vendors)
  - Presentation for June 24-25 ASTRO/AAPM patient safety meeting – Bruce and Jatinder to present implications of interoperability for patient safety
- b. Treatment Delivery Workflow Profile
- Issue regarding situation in which treatment is cancelled prior to radiation delivery: does final update message need to be sent?
  - Dave Murray has posted on BBS a proposed modification of the profile that specifies what happens in this case: this is a special case that test tools would need to handle.
  - Need feedback from stakeholders within a week (May 6, 2010) – Bruce to contact Varian (Regula See)
- c. Test tool RFP
- Proposal from HUMIQ received by Bruce. Three projects
    - Test data for Adv Objects Integration Profile – datasets from 2009 Connectathon (to be anonymized); additional data needed to “plug holes”, e.g., for stereotactic plans
    - TDW Profile – Stuart to provide outline of test scenario for TDW profile
    - Dose Compositing – need to provide images for Registered Planner - Walter to investigate use of images, structures, dose, reg from 2008 Connectathon dataset
  - Bruce to respond to HUMIQ with the following issues
    - Proposed TDW Profile modification: treatment cancellation
    - TDW Profile - Stuart test scenario
    - Dose Compositing (Harold comment): clarify that DC actor should test for both single-plan and multi-plan dose objects in input and output
    - Dose Compositing: Images, and structure set data for Registered Dose Planner
- d. Sample data for test tool
- Adv Objects – Walter (and Lakshmi) to inventory data from Producers that passed the 2009 Connectathon
  - TDW – TMS vendor(s) to provide delivery instruction, plan(s)
  - Dose Compositing – Images, Structures, Doses, Registrations from Registered Dose Viewer (2008 Profile) – Walter to investigate.

### III. New Business

### IV. Future Meetings

- a. Face-to-face Meetings:
1. Domain Pre-Testing (Granada, Spain, June 2-11, 2010).  
Profiles expected to be tested.
    - 2010 TDW
    - 2010 Dose Compositing

- 2007 Basic RT (Contouring)
  - 2009 ARTI
2. 2010 Connectathon – Sept 20-26, 2010
    - Mon 9/20 judge, setup day
    - Sat 9/25 TC meeting (all day)
    - Sun 9/26 (9am–12pm) TC meeting at Residence Inn  
(Profiles to be tested depend on results of Domain Pre-Testing)
  3. ASTRO 2010 Oct 31 – Nov 4, 2010 in San Diego, CA
    - Thus 11/4 – Sat 11/6 at or near ASTRO meeting
    - Hotel arrangements? Scripps?
- b. IHE-RO Future Teleconferences:
1. Thursday, May 20, 12:00 – 2:00pm ET
  2. Thursday, July 29, 12:00 – 2:00pm ET
  3. Thursday, August 26, 12:00 – 2:00pm ET
  4. Thursday, October 21, 12:00 – 2:00pm ET
  5. Thursday, December 16, 12:00 – 2:00pm ET
- c. Related meetings
1. ESTRO Sept 12-15, 2010, Barcelona, SP
  2. AAPM Annual Meeting July 18-22, Philadelphia, PA
  3. DICOM WG-7
    - Wed 7/21 – Sat 7/24, WG-7, Philadelphia PA (after AAPM, finish noon on 24<sup>th</sup>).
    - Mon 7/26 – Tue 7/27, Positioning Group of WG-7, Philadelphia PA

V. Adjourn @ 12:51 PM ET