

IHE-RO Technical Committee
Conference call
June 28, 2012 at 12:00-1:00 PM ET

Technical Committee Chairs:
Bruce Curran, MS, ME
Chris Pauer, Accuray

IHERO Task Force Co-Chairs
Prabhakar Tripuraneni, M.D., F.A.C.R., F.A.S.T.R.O.
Dick Fraass, Ph.D., FAAPM, FASTRO, FACR

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 (Accuray)
Christof Schadt (Brainlab)
Harold Beunk
Henk van Dijken (Elekta)
Kellie Russell (Elekta)
Koua Yang (Philips)
Sanjay Bari (Elekta)
Bruce Curran (RI Hosp.)
Walter Bosch (ATC)
Sidrah Abdul (ASTRO)
Rishabh Kapoor (Morgridge)
Dick Fraass
Atif (Velocity)
Eli Stevens (Mobius)
Kamal Gogineni
Sue Reilly (Elekta)

- I. Call to Order 12:10 pm ET – Quorum established
 - a. Approval of Agenda – approved without objection
 - b. Approval of minutes from May 17, 2012 TCON (Informational Meeting) – quorum was not present – approved without objection

II. Agenda Items

a. Review action items from minutes:

- ACTION: Bruce to investigate the potential for (a) updating test tools for MMRO-II (modify from MMRO) and (b) develop test tools for the Dose Compositing Profile. – **ACTION: Bruce to create a new BBS thread and post previous RFP as an example by 6/29; TC members to review and submit suggested modifications.**
- ACTION: Uli, Sanjay, and Koua to review and simplify machine characterizations. **Sanjay is working to gather templates. ACTION: Chris to remind Uli, Sanjay, and Koua to report for next T-con.**
- ACTION: Uli to clarify (with WG-6) what information about the QC SCU can be put into the UPS. **[no update]**
- ACTION: The spreadsheet detailing attribute requirements for various beam types is to be reformatted as a white paper to accompany the ARTI Profile. – **no progress to report ACTION: Chris to send announcement to TC by 7/11 to set deadline 7/17 for submitting comments**
- ACTION: Christof to create new ARTI-II Profile with the following changes **[no update]**
 - a) Remove Stereotactic Beam and Stereo Arc Beam
 - b) Add Photon Applicator Beam Type and Arc Photon Applicator Beam Type (with High Dose Rate option)
 - c) Require inclusion of Primary Fluence Mode Sequence (3002,0050) to improve safety
 - d) Clarify requirements for TMS Consumer Actor(s)
[Tabled until next T-con]
- ACTION: TC members to review the ARTI Beam Type Attributes spreadsheet (on BBS) and return comments before May IHE-RO TC Teleconference on May 17. **ACTION: Chris to send announcement to TC by 7/11 to set deadline 7/17 for submitting comments**
- ACTION: Bruce to update IHE website. – **Domain “ihe-ro.org” has been purchased. IHE-RO helper to be hosted at this address. ACTION: Rishabh to remind vendors to update their Integration Statements and make sure they are posted on a public (vendor) site. Integration statements will also be linked on the ASTRO web site. (Vendors have one year after a Connectathon to post Integration Statements.)**
- ACTION: Bruce and Uli to prepare draft RFP for IPDW Test Tools. Test data (plans) needed **ACTION: Bruce to post previous RFP as an example by 6/29; TC members to review and submit suggested modifications.**
- ACTION: Bruce to investigate whether MMRO Test Tools can be updated to MMRO-II. **(see above)**
- ACTION: Christof Schadt to draft a MMRO-III Use Case for presentation to the IHE-RO Planning Committee. **ACTION: Sidrah to send note to IHE-RO PC to let them know the Use Case is ready for review**
- ACTION: An IHE-RO Brachytherapy sub-group (joint effort with DICOM WG-7) is to be created. Clinical input to be solicited. **[Tabled: awaiting update from Uli Busch]**
- ACTION: Uli to review the IEC 62C 538E document and report on any issues that affect delivery profiles **[see email May 24th from Uli; tabled until next TC meeting/T-con]**
ACTION: Uli and Christof to report on next steps to harmonize IEC 62C 538E and Supp 160
- ACTION: Bruce and Walter to draft a proposal for changes to the Dose Compositing Profile; Survey vendors’ requirements for data management (Plan-to-Dose linkage). See proposed modifications above. **[Tabled]**

- ACTION: Chris to clean up QAPV document and post to BBS. **Chris reported on progress since April meeting. Two vendors are interested in plan difference check and two vendors in the dosimetric check. An approved version of the Profile. Version 1.1 of the profile was posted to the BBS as of 6/22/12. ACTION: Chris to communicate with QA vendors to urge participation in QAPV Advisory Group and IHE-RO TC review meetings, at least via teleconference.**
- ACTION: Sue to post current version of TDW-II Supplement on BBS. COMPLETED **ACTION: Sanjay and Uli to review for consistency with DICOM, etc.**
- ACTION: Christof to reply [to Haken Maclean] with clarifications COMPLETED reply posted to BBS. Chris has followed-up via email. No response yet.
- ACTION: Bruce to review Christof's response and address any clarifications suggested by his response in the MMRO-II Supplement. Revised Supplement to be posted to BBS. **[FOLLOW-UP: Chris to follow up with Haken on outstanding issues]**
- ACTION: Walter to review example XML schema /DTD for IHE-ITI ATNA Profile and draft Profile Supplement. (See also www.w3schools.com for info writing XML Schemas) **ACTION: TC members with experience in XML schemas are asked to provide assistance in the form of templates or examples.**
- ACTION: Chris to poll for alternate days (other Thursdays?) **[Thursdays at 12pm ET appears to work for most TC members, but exceptions may be needed.]**
- ACTION: Schedule 2013 meetings, especially Connectathon. **[Connectathon and TC meeting dates have been confirmed. IHE-RO Joint PC/TC meeting at ASTRO Annual Meeting – suggested change to Monday to avoid conflict with MITA, awaiting response from ASTRO leadership.]**

III. Other Business

IV. Future Meetings

- Propose new meeting time
- Connectathon 2012: Sept 10-15 2012, ASTRO HQ, TC Meeting following
- ASTRO 2012 – Boston, MA
 - PC + TC joint meeting 10-29-12, 9-11AM
 - TC meeting Nov1 (8:30-12pm) – Nov 3, 2012 (8:30-12pm)
- Connectathon 2013 tentatively May 2013, ASTRO HQ, TC Meeting following

IV. IHE-RO Future Teleconferences (require 7-day advance notice):

- IHE-RO TC Teleconferences – currently scheduled for 3rd Thursday of each month at 1:00-2:30pm Eastern Time**
 - July 26 at 12-1pm ET
 - August 23 at 12-1 pm ET
 - September – no call, face-to-face meeting at Connectathon
- QAPV Advisory Group**
 - July 12 at 2-3pm ET
 - August 9 at 2-3pm ET