

IHE-RO Technical Committee
Face-to-Face
May 10-13, 2015 at 8:30-5:30 PM CET
Stockholm, Sweden

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.*

Agenda:

Sunday May 10

- 8:30-9:00 Settling and Setup
- 9:00 – 12:30 Morning Session
 - Call to Order
 - Thanks
 - Review Agenda
 - Review and approval of minutes from March and April meetings.
 - Other broad topics to add.
 - Breakouts for advancing certain profiles
 - Topic 1: Level Set
 - Updates on IHE-RO activities
 - Planning, Oversight, Steering Committees
 - Other Updates
 - Use Case Champions
 - 141008- CP on D and * types.
 - ASTRO, MITA, ROSSI
 - DICOM
 - NEMA – 141006 RT-2 on Agenda...
 - Topic 2: Connectathon Update
 - This year
 - Test Tools Issues?
 - Things to improve / change
- 12:30 – 1:30 Break

- 1:30-5:30 Afternoon Session
 - Topic 2.5: Action Catch All
 - 141006 - Review Type indicator of attribute requirements for their profiles. The Type specification shall strictly follow the definition in the Technical Framework (see Section 2.2), with the addition of Type specifications established during this TC meeting: “D”=Display requirements only, and “-“=Attributes without additional requirements (included for readability).
 - 141007 - Check on usage of delivery duration limits in their treatment delivery systems, i.e., net (beam-on) versus total delivery times.
 - 141011 - Vendors to test their applications to see if addition of the Frame of Reference UID and Position Reference Indicator at the top level of the RT Structure Set will break their applications
 - 141014 – Add a backlog section to the ihe-ro site.
 - Topic 3: RX – Further steps available now?
 - Action 141023 - ICRU
 - Topic 4: Treatment Planning – Plan Content (TPPC)
 - Dovetail with DICOM Gen 2 Trial Implementation
 - 141025 - Add requirement that Treatment Machine Name (300A,00B2) be constant for all beams in TPPC
 - Updates, discussion?
 - Topic 5: Basic RT Objects – BRTO
 - High Resolution Contours
 - 141026 - Draft a CP for BRTO to address preservation of the original equipment information for resampled images and combined Series
 - Topic 6:ROI Templates
 - 150109 - Add Publisher, Version and DICOM VR/VL info to ROIT Profile content. (cf . DICOM CT Protocols)
- Monday May 11
 - 8:30-12:30 Morning Session
 - Topic 7: State of MMRO-III
 - Topic 8: Treatment adjustments
 - Treatment plans can be related to each other in a few ways
 - The current Referenced Plan Sequence in DICOM describes these in very general ways, but a tighter semantic is needed, that will actually change device behavior
 - Possible candidate for an IHE-RO profile
 - Topic 9: DICOM Content Template
 - 150111 - Clean up DICOM Content Template based suggestions of TC and create an example of an instantiated document
 - 150112 - Present updated DICOM Content Template proposal and instantiated example to IHE Operations Committee
 - 150113 - Draft CP to move DICOM General Module content definitions from TF Appendix to Volume 3, Chapter 7 using Uli’s Draft of DICOM Content Templates and merge additional definitions from TDPC into the TF for Mar 1.
 - 150123 - Contact Kevin O. re status of CT Image Protocol at Mar 2015 WG-06 mtg.
 - 12:30 – 1:30 Break
 - 1:30-5:30 Afternoon Session
 - Topic 10: Segmentation Profile?
 - Topic 11:Consistent Dose for External Beam (CDEB) Review

- 150102 - Contact Bridget re PC contact for CIS for Consistent Dose profile by Jan 30.
 - Topic 12: DPDW update
 - Action 141013 - Chris to add issue in DPDW Profile draft to flag transaction [DPDW-211] to address other input objects for registration (fiducials, segmentations)
- Tuesday May 12
 - 8:30 – 12:30 Morning Session
 - Topic 13: Treatment Delivery – Plan Content (TDPC)
 - Topic 13.2: TPIC
 - 150144 - Update RT Image definitions in TPIC and TDIC based on TPIC discussions
 - Topic 13.5: TDIC
 - Topic 14: BrachyTherapy and ION IHE-RO efforts
 - Topic 15: TDW-II Update
 - 150121 - Review Section 9.5 (Security) in TDW-II
 - 12:30 – 1:30 Break
 - 1:30-5:30 Afternoon Session
 - Topic 16: DCOM
 - Action 141012 - Update DCOM Transaction from Utilize Spatial Registration [RO-13] to Spatial Registration Retrieval [MMRO-III-2].
 - 2:30 - Topic 15: ICT - Update
 - 4:30 - Topic 17: Quality Assurance with Plan Veto - QAPV Review
 - Vote for Public Comment?
- Wednesday May 13
 - 8:30 – 12:30 Morning Session
 - Topic 17: Fall Connectathon Planning
 - Prep registration for
 - Profiles to be tested
 - ARTI
 - MMRO-II
 - DCOM
 - BRTO
 - Informal – TDW, TPPC
 - Ion attendees should register as observers
 - Planning Instructions updated by...
 - Need to line up site soon.
 - Vendors Registration deadline
 - Test data prepared and distributed
 - Vendors prep test data
 - 12:30 – 1:30 Break
 - 1:30-5:30 Afternoon Session
 - Topic 18: Profile Statuses
 - Any we can promote, bring into review?
 - Topic 19: Review Minutes
 - Topic 20: Review Action Items
 - Topic 21: Future Meetings / Next Agenda
 - IHE-RO Meetings
 - Other meetings through 2015