

**IHE-RO Technical Committee
Face-to-Face
July 17, 2019 2:00 – 5:30 CDT
July 18-19, 2018 at 8:30-5:T
July 20 8:30-12:00 CDT**

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

**IHERO Working Group Co-Chairs
Bruce Curran, MS, ME, FAAPM, FACMP, FACR, AAPM / VCU Health
Bridget Koontz, MD, Medical Director, RO Services, Duke Regional**

Mission Statement: *The American Association of Physicists in Medicine (AAPM) sponsors a multi-society Task Force to undertake an initiative to promote the Integration of the Healthcare Enterprise (IHE) – Radiation Oncology (RO). Originally formed by the American Society for Radiation Oncology (ASTRO), it fosters seamless connectivity and integration of radiotherapy equipment and the patient health information systems. The Technical Committee of IHE-RO will undertake use cases defined by 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:

Wednesday July 17:

- 2:00 Call to Order
- 2:00 – 3:30 Observers / New Participants
 - Time For New Attendees
 - Comments?
 - What are the costs when a new feature is created to meet a profile.
 - Can advocate through AAPM, ASTRO...
 - Use Cases?
 - Can we produce a PDF document that has the basic information needed for proof of treatment, qa, etc.
 - Precise , consistent document
 - Should reflect current state of patient
 - How much like the survivorship care plan?
 - Should reflect actual delivery...
 - More than PDF? Yes....
 - Clinical trial implications
 - Where does this full patient info live? OIS? HIS?
 - Treatment record for proton
 - Feedback?
 - Have a single place for profile info that clinicians can look at to see the status,...products for IHE-RO?
 - Have a page with concise profile status.
 - How many products have been tested

- How many installs/implementations have been done.
 - Publish IHE-RO status before major industry meetings.
 - Questions?
 - How to address the requirements of the “Quality Index”
 - Coding diagnosis
 - Patient Identification Timeout
 - Pain Scale
 - Medication Reconciliation
 - Having all of this in one place
 - What is the content?
 - Reimbursement Model driven
 - Keep watching this
 - 3:30 – 5:30 Meeting Scope
 - Review Agenda
 - Note Set Times
 - Other broad topics to add.
 - Minutes from last meetings
 - June 2019
 - Topic 1: Goals for Week
 - Current Status of profiles
 - Aims for our meeting
 - Advance Profiles:
 - Test Tools
 - Connectathon prep schedule
 - Topic 2: Profile Statuses
 - Technical Framework
 - Public Comment
 - In Process
 - Priorities
- Thursday July 18
 - 8:30 – 9:00 Morning
 - Topic 3: Level Set
 - Updates on IHE-RO activities
 - Planning
 - Oversight, Steering Committees
 - Domain Coordination Committee
 - AAPM
 - DICOM WG-7 Update
 - AdvaMed and Standards Efforts
 - RT3-Machine Characteristics Standard
 - RT4-(potential) Standard for Machine, Patient QA
 - 9:00 – 10:30
 - Topic 4: Consistent Dose in External Beam*
 - 10:30 -12:30
 - Topic 4.5: TPPC Brachy
 - Topic 5: HIS
 - 1:30 – 5:30
 - Topic 6: Test Tools Sub Group
 - Topic 7: Scanning Tank Profile

- Topic 8: Minimum Data Elements integration / co-effort
 - Topic 8.5: Feedback from group on “Patient History” – ROTH
 - Old notes: from Aug 2018
 - “Treatment in Flight,” i.e., transfer of patient datasets between hospitals for continuing therapy after equipment failure. (Re-)planning is not too difficult. Retrieval of patient history is challenging, requires manual intervention. This is an issue for continuity of care across sites in a network. Related Use Cases include the following:
 - Ease transfer of data for RO.
 - Ease full patient import/export
 - Continuity of patient record – HIS and therapy tracking
 - MRN ID transfer
 - Tracking of patient across multiple, distributed systems
 - Cross-facility chart review
 - Continuity of Care – handle patient transfer to another device during treatment
 - Content of Treatment Record must be consistent
 - Additive Treatment – must handle continuing care on the same device, same software
 - Retreatment
 - Retrieval of historical patient data. For standard formats, historical data should continue to be usable. (Historical data in proprietary formats is outside the scope of IHE-RO efforts.)
 - Clinical Trial Registration
 - What is involved:
 - Use case:
 - Press button, get patient history....
 - Planning and delivery together in one place
 - Presentation of patient course, show history in a concise retrospective, meant for consumption by clinical user
 - Lacking that, get all the patient planning and delivery material in one gesture
 - Pile of stuff?
 - Report on contents?
 - List of DICOM instances
 - Fractions, amount of delivery
 - How do you request it? By Patient?
 - Because of name change and security issues, have to assume that this process is shepherded by clinicians (permission to access, sharing is done by a request and granting of access...)
 - Topic 9: Prescription Profile (RXRO)
- Friday July 19
 - 8:30 – 12:30
 - Topic 10: ICT Test Tool Demo*
 - Topic 11: TDD Simulator Availability*
 - Topic 11.5: Connectathon
 - Topic 19: TPPC - Ion
 - Topic 12: Profile Updates on IHE Website
 - 1:30 – 5:30

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- Topic 9 (cont.): Prescription Profile (RXRO)
- Topic 20: Meetings for 2020.
- Topic 16: AAPM – IHE-RO Charge for Committee Tree
- Topic 18: Treatment Planning – Image Content
- 3:00
- Saturday July 20
 - 8:30-12:00
 - Topic 9.5: TPPC Ion: Public Comment
 - Topic 14: IPDW
 - Topic 17: Basic QA Workflow Review
 - Topic 21: Review Minutes
 - Topic 22: Review Action Items
 - Topic 18: Future Meetings / Next Agenda

For more information specific to the IHE-RO Technical Committee, visit www.ihe-ro.org.