IHE-RO Technical Committee
Conference Call
June 20, 2019
10:30 am – 12:00 pm EST

Technical Committee Chairs:
Scott Hadley, PhD, University of Michigan
Chris Pauer, Sun Nuclear

IHERO Task Force 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.*

Attendees

Chris Pauer
Bob Pekarek
Bruce Curran
Bruce Rakes
David Wikler
Harold Beunk
Jill Moton
Jim Percy
Randi Kudner
Scott Hadley
Stefan Pall Boman
Thomas Schwere
Tucker Meyers
Walter Bosch

Minutes

I.   Call to Order at 10:33am ET, a quorum was present on the call.

II.   Randi Kudner – Minimum Data Elements White Paper
   a. Randi Kudner presented on an effort in ASTRO to define a small list of data elements to describe radiotherapy across multiple data capture scenarios, including APEX, RO-ILS, …
   b. The approach is focused, realizable.
   c. Includes Diagnosis, Modality, Technique, Fractions planned & delivered, Start & end date of treatment, Prescribed dose level per Site
   d. Yale Univ. is testing RO-MDE using data from Varian, Elekta
   e. mCODE – minimum Common Oncology Data Elements – is an open-source consortium that includes MITRE, ASCO, HL7, Intermountain Healthcare, Alliance Dana-Farber, UCSF, CIIC BWH, Partners, …
       i. RO-MDE appears to be consistent with mCODE.

        ii. mCODE has a broader scope: oncology in general
        iii. Implementation using HL7 as data standard
   f. ASTRO Board reviewing MDE, mCODE / MITRE (6/20/19) – if approved
        i. Development of RO-MDE data dictionary
        ii. RO-HIT resource Panel
        iii. Identify use cases for mCODE testing
   g. Tucker Meyers is investigating impact of RO-MDE on the HIS Profile. Further discussion is anticipated at the July 2019 TC meeting.

III.   Review Agenda

IV.   Minutes Review – May 2019 TC minutes were approved without objection.

V.   Other Committee Updates
   a. PC and WG
        i. Test tool distribution and licensing capabilities
   b. IHE Domain Committee
        i. Trial Implementation for BRTO-II – submitted for publication
        ii. Trial Implementation for TDRC – submitted for publication

VI.   Connectathon Timing and Deadlines
        i. ICT Test tool updates: June 2019
        ii. Participation agreement distributed to vendors: June 2019 (complete)
        iii. Questionnaire to vendors: July 2019
        iv. Test Procedure for content validator: July 2019
        v. Distribute pre-test datasets: July 19
        vi. Judges work session at AAPM Annual Meeting: July 16-19
        vii. Questionnaire returned: Aug 2019
        viii. Test results due: Aug 16
        ix. Hotel reservation deadline: **July 9 (note change)**
        x. Connectathon datasets to vendors: Sept 20
        xi. Connectathon: Oct 7-12, 2019

VII.   Other Updates
   a. TDW-II Test Tool
        i. Harold Beunk reported that design documentation for the UPS Validator (TDW-II Test Tool) has been distributed. No responses have been received to date. Development is in progress.
        ii. Vendors with TDW-II Profile Actors were asked to send test data (RT Plan and RT Beams Treatment Record) to ICT to assist in development of the UPS Validator.

VIII.   Meeting was adjourned at 11:42 am ET.