

# IHE-RO Technical Committee Conference Call

February 15, 2024

10:30 am – 11:50 pm ET

## Technical Committee Chairs:

Scott Hadley, PhD, University of Michigan

David Wikler, IBA

**Mission Statement:** *The American Association of Physicists in Medicine American Society for Radiology Oncology (AAPM) supports 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, 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.*

## Attendance

David Wikler (IBA)  
Jill Moton (AAPM)  
Walter Bosch (Wash U)  
Harold Beunk (Demcon)  
Bob Pekarek (Accuray)  
Richard Vögele (Brainlab)  
Bruce Rakes (Mevion)  
Bruce Curran (VCU)  
Sanjay Bari (Elekta)  
Thomas Schwere (Varian)  
Scott Hadley (UMich)  
Jim Percy (Elekta)

## Minutes

- I. Call to Order at 10:37 am EST
- II. Review Agenda
  - a. The order of topics was reviewed and approved.
- III. Review Minutes
  - a. Minutes from the Jan 18, 2024 TC Teleconference were reviewed.
    - i. **Motion by Bob Pekarek to approve as corrected; seconded by Bruce Rakes; approved without objection or abstention.**
- IV. Update on scheduled 2024 meetings [David, Walter]
  - a. Face-to-Face Technical Meeting in Europe (IBA, Belgium)
    - i. Status of registration process and accommodation reservations
      1. 10 affirmative responses to survey
      2. 8 hotel registrations to date.
    - ii. Discussion of remote participation policy.
      1. **ACTION 240201:** David to send email to TC and interested parties clarifying that remote participation will require prior registration.
      2. Remote access at IBA to use MS Teams, not Zoom.
    - iii. Review of agenda
      1. Meeting hours: 8:30 – 17:00 (M-Th), 8:30 – 12:15 (F)
      2. A proposed schedule of discussion topics was reviewed. Topics and timing were adjusted with input from the group.
      3. Added Connectathon feedback/issues in first slot of agenda.

- b. Connectathon week (AAPM HQ, Alexandria)
  - i. Dates: Oct 14-18, 2024 confirmed at AAPM HQ
  - ii. Survey of expected Profiles and products to be tested in 2024:
    - 1. Formal testing
      - a. BRTO-II: BR, EL, RS?, VA, VV
      - b. MMRO-III: BR, EL, RS?, VA, VV, IB?, ME?, LE?
      - c. TPPC: BR, RS, VA
      - d. TDW-II: IB, ME, AC?, EL, VA, RS?
      - e. Archive: ?
    - 2. Informal testing
      - a. DRRO: RS, VV, EL, MI ???
      - b. TDOR: IB, ??
      - c. TPPC-Ion:
      - d. TDRC-Ion: IB, ME, VA, EL, RS ?
      - e. TDPC
      - f. TDRC
      - g. XRTS
    - 3. Outreach to vendors to encourage participation in 2024 Connectathon – to be discussed at March F2F meeting

- V. Review of HDSS Profile and vote for publication as Public Comment [Richard]
  - a. The latest version of the [HDSS TF Supplement \(IHE\\_RO\\_HDSS\\_v1.4.docx\)](#) was provided to TC members to prepare for discussion. It includes revised wording in several places and adds Source Series Sequence (3006,004B) and Source Series Information Sequence (3006,004C), defined in DICOM CP 2296.
  - b. Discussion of the relationship of HDSS and BRTO-III Profiles focused on requirements for Contour Geometric Type, specifically, requirements to use OPEN\_PLANAR\_XOR. The relationship between these Profiles remains an open issue that will require further discussion in the review of public comments. Merging these Profiles remains a possibility.
  - c. **DECISION:** Motion by Jim Percy to publish the HDSS Profile (IHE\_RO\_HDSS\_v1.5) for Public Comment; second by Walter Bosch; approved by the TC without objection or abstention.

VI. TF Supplements Status (discussion deferred)

VII. Next TC meeting is F2F scheduled Mar 18-22, 2024 at IBA, Louvain-le-Neuve, Belgium.

VIII. Adjournment at 12:00pm EST