

**IHE-RO Technical Committee
Conference Call Notes
Thursday, July 9, 2009
1:00-2:00 PM (EDT)**

**Technical Committee Chairs:
Bruce Curran, MS, ME
Stuart Swerdloff, PhD**

In Attendance:

Stuart Swerdloff (IMPAC)
Walter Bosch (ATC)
Sunita Ranjitkar (ASTRO)
Koua Yang (Philips)
Uli Busch (Varian)
Harold Beunk (Nucletron)
Dave Murray (Tomotherapy)

- I. Call to Order 1:00 pm EDT
 - a. Welcome and Roll Call
- II. Discussion of Dose Compositing Profile Supplement v. 0.9.3 (7/6/09) drafted by Walter Bosch
 - a. New Actors: ***Registered Dose Compositor, Compositing Dosimetric Planner Actor, and Composite Dose Display Actor***
 - b. New Transactions: Composite Dose Storage [RO-XX] and Composite Dose Retrieval [RO-ZZ].
- III. Action items: Walter to edit the Supplement as follows:
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 - a. Re-cast the ***Composite Dose Viewer*** as two Actors, one with spatial registration, and one without:
 - i. ***Registered Composite Dose Viewer***: accepts Modality Image(s), Registered RT Structure Set, Composite Dose, Spatial Registration – displays composite doses registered to image/structure set frame of reference
 - ii. ***Composite Dose Viewer***: accepts Modality Image, RT Structure Set, Composite Dose – displays composite dose (requires that composite dose, images, and structure set share the same frame of reference)
 - b. Change ***Compositing Dosimetric Planner*** to ***Compositing Planner*** to de-couple specifications of dose compositing and planning. Thus, it is expected that a product that behaves as a ***Compositing Planner***, would also function as ***Advance RT Objects Plan Producer***. The ***Compositing Planner Actor*** does the following:

- i. Retrieve (Composite) Dose [RO-ZZ], Spatial Registration [RO-25] objects
- ii. *Generate or modify a treatment plan and compute the dose for this new plan (Behavior is out of band for the Dose Compositing Profile.)*
- iii. Compute new composite dose matrix using retrieved dose and internal (Plan) doses.
- iv. Store Composite Dose [RO-YY]

IV. Future Meetings

a. IHE-RO 2009 Test Schedule:

- Connectathon – Sept. 14-22, 2009, Fairfax, VA (ASTRO HQ)
(9/14 test prep, 9/15 setup, 9/16-9/19, 9/21 testing, 9/22 wrap-up)

b. IHE-RO 2009 TC Face-to-Face Meetings:

- Nov. 5-7, 2009, post-ASTRO, Chicago area
- Jan 25-29, 2010, location TBD

c. IHE-RO Potential Future Teleconferences:

- Wednesday, August 12, 2009 (12:00 - 2:00 p.m. EDT)
- Wednesday, October 14, 2009 (12:00 - 2:00 p.m. EDT)
- Wednesday, December 2, 2009 (12:00 - 2:00 p.m. EST)

d. Related Meetings:

- AAPM, Jul 26-29, 2009, Anaheim, CA
- ESTRO Aug 30 – Sep 3, 2009, Maastricht, NL
- ASTRO Annual Meeting, Nov.1-5, 2009, Chicago, IL

V. Adjourn 2:00pm EDT
