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Meeting Minutes

DICOM WORKING GROUP SEVEN (RADIOTHERAPY)

Meeting Location	Online Meeting
Dates and Times	May 14, 2024 9:00 – 12:00 EDT
Presiding Officers	Christof Schadt, Co-Chair Jim Percy, Co-Chair
Secretary	Shayna Knazik, NEMA

Participants

Name	Affiliation	Present
Jim Percy	Elekta	X
Walter Bosch	AAPM	X
Yulong Yan	AAPM	X
Bruce Rakes	Mevion	X
Kari Jyrkkälä	Varian	X
Ulrich Busch	Self	X
David Wikler	IBA	X
Christof Schadt	Brainlab	X
David Holst	Raysearch Labs	X

General

Meeting was called to order at 9:04am ET

The group was reminded that NEMA meeting rules apply. Walter Bosch and Yulong Yan were present for this meeting.

Topics

- 1. CP-RT227 - Add reference to Series in UPS Scheduled and Performed Procedure Information Modules (CP2341) – David Wikler**
 - a. Concern regarding the need to perform Instance level queries. It was noted that there are other solutions to this issue.
 - b. CP2341 has been rejected by WG-06. WG-07 canceled CP-RT227 / CP2341.

- 2. CP-RT247 – Add RT specific Plan Approvals – David Wikler**
 - a. Discussion of a proposal to include an RT Assertion Macro in the RT Structure Set (approvals for structures and registrations) and the RT Plan (plan and structure set approval) IODs to document final approval of the content and upstream instances. This approach does not support fine-grained approval management. That would require the Assertion Collection IOD. Since it appears unlikely that the Assertion Collection IOD will be implemented, incorporating approvals in a limited subset of IODs (RT Plan, RT Structure Set, RT Image) may be an acceptable alternative.
 - b. Codes for physician and physicist approval of plans were revised.
 - c. Christof to continue work on CP-RT247 for presentation to WG-06.

- 3. CP-RT253 – UPS and RT Machine Verification Services Editorial Corrections – David Wikler**
 - a. Review of editorial corrections (from David Wikler, Jörg Riesmeier) to the text of the UPS and RT Machine Verification Services.
 - b. David Wikler to continue work on the CP with Uli Busch (not urgent).

- 4. CP-RT254 – Add Examples of Ion Control Point Sequence for Arc Treatment Techniques – David Wikler**
 - a. David reviewed Ion Control Point Sequence examples for arc treatment techniques
 - b. Discussion of whether to include Gantry Rotation Direction = NONE on the last CP of an arc rotation. This is not required – is it disallowed?
 - c. Christof to present CP to WG-06.

- 5. CP-RT248 – Ion Range Surface Compensator (CP2401) – Kari Jyrkkälä**
 - a. This CP adds a reference to a Surface Segmentation IOD for 3D printed compensators.
 - b. Concern was expressed that the Frame of Reference of the Surface Segmentation IOD is defined in the IEC gantry coordinate system.
 - c. Christof to present CP to WG-06.

6. **CP-RT250 – Dose Content Qualification – Kari Jyrkkälä**
 - a. CP is ready for presentation to WG-06

7. **CP-RT251 – Update ROI DateTime and ROI Observation Datetime – Christof Schadt**
 - a. Correct ROI DateTime to indicate when an ROI was last modified (not when it was created). This is consistent with ROI Creator indicating who last modified the ROI.
 - b. Christof to present CP to WG-06.

8. **CP-RT166 – Differentiate acquisition techniques for RT 3D CBCT imaging (CP 2220)**
 - a. Yulong Yan to work on version DFT2 for discussion at the June face-to-face.

9. **CP-RT252 – Add Imaging to Patient Setup Sequence – Christof Schadt**
 - a. In 2nd Gen RT, the concept of setup beam was replaced by RT Preparation. The RT Preparation Macro can be used in RT Plan for imaging, as well.
 - b. Further discussion is needed. This topic is to be addressed at the June meeting.

Meetings Scheduled

- Dedicated calls for special topics are to be arranged by Shayna based on Doodle poll response
- Face-to-Face
 - June 10-14, 2024 at AAPM HQ in Alexandria, VA
 - Preliminary agenda is in the Teams Meetings / 2024 / 06 folder

Meeting was adjourned at 11:40am ET