



Secretariat: NEMA/MITA
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MINUTES

DICOM WORKING GROUP SEVEN (RADIOTHERAPY)

Meeting Location	Online Meeting	
Dates and Times	Wednesday, Jan 08, 2025	9:00 – 13:00 EDT
Presiding Officers	Christof Schadt, Co-Chair Jim Percy, Co-Chair	
Secretary	Shayna Knazik, MITA/NEMA	

Attendance

Christof Schadt, Brainlab

David Wikler, IBA

Kari Jyrkkälä, Varian

Bruce Rakes, Mevion

Walter Bosch, AAPM/WashU

Yulong Yan, UTSW

Jim Percy, AAPM

Shayna Knazik, MITA/NEMA

Bob Pekarek, Accuray

Wilhelm Sjostedt, Raysearch Labs

Bruce Curran, AAPM/VCU

Details

Administrative

- The WG-07 CP teleconference was called to order on Wednesday, January 8, 2025 at 9:05am US Eastern. A quorum was present.
- Staff reminded members of the [DICOM Patent Disclosure Policy](#) and [guidelines for conducting NEMA meetings](#).
- The agenda was reviewed and approved.
- Secretariat items for the group:
 - o Shayna Knazik will be taking over WG-07 and its subgroups. Please now reach out to her instead of Emily Hoefer.
 - o At their last meeting at RSNA, the DICOM Standards Committee (DSC) discussed Jim Percy, WG-07 Co-Chair, and his change of affiliation from Elekta to AAPM. They noted that WG-07 needs to hold a vote to approve this change.
 - *Bob Pekarek made a motion to approve Jim Percy as WG-07 Co-Chair under the AAPM affiliation and Yulong Yan seconded. **The motion was approved without objection, and 1 abstention from Jim Percy.***
 - o Shayna also noted that it looks like the approval of past WG-07 meeting minutes has not taken place in the second half of 2024, likely due to regular monthly calls ending in place of smaller, focused calls like these CP calls.
 - **Action:** Shayna will circulate the last several minutes for review, and the group will vote on these on the next call.

General Discussions

Next face to face meeting

Date has been set for May 12-17, 2025.

Is this meeting needed?

Proposal to combine WG-07 meeting with a vendor group meeting focused on technical topics, e.g., cybersecurity.

- Investigate AAPM interest in leading such a technical vendor forum. (AAPM Science Council to meet Jan 29-30)
- Restrict to RT or include others? DICOM WG-28?
- Action: propose to DICOMW and WIHERO

Venue Options: Discussion was postponed.

- Brainlab, Munich
- Mint Medical, Heidelberg
- Elekta, Crawley?
- IBA, Brussels?
- RaySearch, Stockholm?
- Varian, Helsinki?
- Clinic (Annalisa Trianni), Trento?

CPs

See also: [WG-07 CP Status List](#)

CPs with WG-06

CP 2427 - Add RT specific Plan Approvals

Protocol Approval was rejected at last WG-06 meeting. Revert to prior state!?

David reviewed version 02 of draft CP: adds RT Assertions Sequence to RT General Plan Module with Plan Approval Assertions (“Plan meets prescription” and “Plan QA completed”)

Assertions provide detail for Approval Status, but do not replace Approval Status.

CP is ready for review with WG-06.

CP 2428 – Algorithm Identification to RT Dose

Review Hybrid Dose approach again, before looking at this CP. This was discussed at the last face-to-face meeting that this would be the first of a series of CPs to transform the 1st Gen RT Dose to a Hybrid RT Dose.

Proposal from C. Schadt: add content in macro for easier re-use in Hybrid RT Dose approach (when used “per constituent” and not in 1st Gen structure). This approach was reviewed with the group.

Kari reviewed Algorithm Identification attributes with the group.

Christof re-organize contents of Dose Calculation Sequence as a Macro. Kari will review in preparation for review with WG-06.

CP 2445 - Add State of Definition to RT Structure Set

WG-06: use type 3 attributes instead – adapted, see current draft

Three Type 1 Sequences to be changed to Type 3 to convey references to Images, Registrations (for eventual Assertions in the RT Structure Set).

CP to renamed to “Relaxing Type 1 RT Structure Set requirements”

Christof to prepare CP for review with WG-06

CP 2446 - Add Segment Characteristics Precedence to Structure Set

From WG-06: provide examples

Jim to continue work on description. Segment Precedence is used to define a unique mapping of voxels to ROIs, e.g., for dose optimization, plan evaluations, etc. Unclear whether this Attribute is needed.

CPs new to WG-07

CP RT 264 Add Clinical Fraction Number to RT Treatment Summary Record Module

Kari Jyrkkälä reviewed improved wording for definition of Clinical Fraction Number. Note references explanation in PS 3.3, Section C.8.8.21.4.

CP is ready for review with WG-06.

CP RT 265 Add Dose Value to Dose Calibration Conditions

Kari Jyrkkälä reviewed and revised CP with the group.

CP is ready for review with WG-06.

CP RT 266 Add Scan Spot Gantry and Patient Support Angle to Ion Beam Record

David Wikler reviewed and revised the CP with the group.

CP adds parameters used for post-treatment QA.

CP is ready for review with WG-06.

CPs in Work

CP RT 253 - UPS and RT Machine Verification Services Editorial Corrections

Work in progress with David Wikler, Uli Busch, Jörg Riesmeier. Suggestion to separate critical questions from editorial changes.

David to continue work with Uli for submission to WG-06.

CP RT 255 Extend Beam Limiting Device to support Binary leaf transactions

Pekarek: No progress.

CP RT 256 Improve RT Patient to Equipment Mapping for Treatment Delivery

Pekarek: No progress.

CP RT 259 Add RT CBCT Image Type

Schadt: No progress.

Meeting was adjourned at 12:00pm EST