



Secretariat: NEMA/MITA  
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# MINUTES

## DICOM WORKING GROUP SEVEN (RADIOTHERAPY)

<b>Meeting Location</b>	Online Meeting	
<b>Dates and Times</b>	Wednesday, March 19, 2025	9:00 – 13:00 EDT
<b>Presiding Officers</b>	Christof Schadt, Co-Chair Jim Percy, Co-Chair	
<b>Secretary</b>	Shayna Knazik, MITA	

## **Attendees**

Christof Schadt  
Ulrich Busch  
Yulong Yan  
Walter Bosch  
Kari Jyrkkälä  
Jim Percy  
David Wikler  
Marcus Bergman  
Adam Zhu  
Sanjay Bari

## **Details**

- Call to order at 9:05am EDT
- NEMA anti-trust and patent policy was reviewed. Walter Bosch and Yulong Yan were present.
- Agenda was reviewed and adjusted.

### **CPs**

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

#### **CPs with WG-06**

##### **cp 2428 Add Dose Reporting Mode and Dose Calculation Model to RT Dose**

Kari Jyrkkälä

- See comments in document.
- Adds Treatment Record Content Origin
- CP is ready for review with WG-06

##### **cp 2446 Add Segment Characteristics Precedence to Structure Set**

Jim Percy

- Add examples, explain “Segment Characteristics Precedence”
- Use case: need (patient-specific) overlap priorities
- Concern that precedence is a prescription attribute, not properly in the scope of the RT Structure Set. I.e., the “priority” is not a property of segmentations themselves, but of downstream (e.g., planning) applications.
- Ambiguity re interpretation of priority: multiple applications?
- CP was tabled pending further discussion in a separate meeting.

##### **cp 2469 Salvage Details in RT Treatment Record and RT Ion Treatment Record**

Kari Jyrkkälä

Was not accepted in current form and reworked. New version ready for WG-06.

### **cp\_2505 UPS and RT Machine Verification Services Editorial Corrections**

David Wikler

- Editorial corrections only: no change in requirements.
- CP is ready for review with WG-06

### **CPs in Work**

#### **cp\_RT255 Extend Beam Limiting Device to support Binary leaf transactions**

Bob Pekarek

Mr. Pekarek was not present, document tabled.

#### **cp\_RT256 Improve RT Patient to Equipment Mapping for Treatment Delivery**

Bob Pekarek

Mr. Pekarek was not present, document tabled.

#### **cp\_RT261 Alternate Machine Module for RTPlan**

Jim Percy

- Replace Referenced Beam Sequence with Referenced Dose Reference Sequence.
- Retain RT Beams Sequence to convey dose tracking information for TMS.
- Jim to continue work on description. (Not yet ready for WG-06.)

### **CPs new to WG-07**

#### **cp\_RT267 Correct Code Meaning for Backrest Pitch Angle, Shin Rest Position and Heel Stop Position**

Marcus Bergman

- Editorial correction to fix inconsistency in linkage from concept names (in TID 15305) to the code meaning in the DICOM Controlled Vocabulary
- CP is ready for review with WG-06

#### **cp\_RT268 Add Reference to Treatment Records in RT Beams Delivery Instruction**

David Wikler

- When Treatment Delivery Type is CONTINUATION, a reference to RT (Ion) Beams Treatment Record is needed.
- Add Referenced Treatment Record Sequence (Type 3)
- CP is ready for review with WG-06.

#### **cp\_RT269 Add new defined terms for Dose Summation Type to RT Dose Module**

Marcus Bergman

- Problem: misinterpretation of deformed dose instances
- After discussion, add ALT\_PLAN, ALT\_MULTIPLAN, ALT\_BEAM, OTHER Defined Terms
- Marcus to clean up CP for review by WG-06.

#### **cp\_RT270 Add new codes to RT Dose Derivation CID**

Marcus Bergman

- Adds codes for dose instances created using deformation, other planning image series, and setup perturbations.
- Marcus to clean up CP for review by WG-06.

**cp RT271 Add Beam Thumbprint UID**

Christof Schadt

- CP has been withdrawn

## **Future Meeting Dates, Agenda for the Next Meeting and other Administrative Topics**

[Teams Meeting List](#)

### **Schedule**

Discuss F2Fmeeting at Brainlab HQ in May.

- DICOM WG-07 meeting (shortened to 2 days)
  - Agenda in preparation
- RT System Engineering Council (3 days)
  - AAPM sponsorship
  - Limit focus to secure transfer, DICOMweb transition.
  - Intent to apply existing standards (e.g., DICOMweb) and profiles (e.g., IHE-ITI).

Meeting adjourned at 12:08 pm EDT