



Secretariat: MITA/NEMA
1300 North 17th Street, Suite 900
Arlington, VA 22209, USA
+1-703-841-3259

<http://www.dicomstandard.org>

dicom@dicomstandard.org

Meeting Minutes

DICOM WORKING GROUP SEVEN (RADIOTHERAPY)

Meeting Location	Online Meeting
Dates and Times	December 20, 2023 9:00am-1:00pm US EST
Presiding Officers	Christof Schadt, Co-Chair Jim Percy, Co-Chair
Secretary	Shayna Knazik, NEMA

Participants

Affiliation		Representative
AAPM	X	Walter Bosch
AAPM		Bruce Curran
AAPM	X	Yulong Yan
Accuray		Bob Pekarek
Brainlab	X	Christof Schadt
Elekta	X	Jim Percy
IBA	X	David Wikler
Mevion	X	Bruce Rakes
NEMA		Shayna Knazik
RaySearch	X	Marcus Bergman
RaySearch	X	David Holst
Self	X	Ulrich Busch
Varian	X	Kari Jyrkkälä

Topics

Call to Order 20-Dec-2023 at 9:04am ET

Christof Schadt reminded the group of NEMA anti-trust rules.

Walter Bosch and Yulong Yan were present to represent the NEMA secretariat.

Correction Proposal

1. CP2374 (cp_RT236) Improve RT equipment mapping for imaging
 - a. The CP for relates image coordinates to fixed room coordinates for multi-axis CT scanner and treatment device.
 - b. Uli Busch reviewed the CP draft document with the group (cp2374_02_ImprovedRTEquipmentMappingForImaging.docx). Options for mapping imaging equipment coordinates to treatment delivery device were discussed.
 - c. The RT Equipment Mapping and Plan Reference Macro was reviewed. WG-07 member comments were discussed. Discussion included the following topics:
 - i. The macro is defined specifically for RT applications.
 - ii. Imaging Equipment to Treatment Delivery Device Relationship: specification as 4x4 matrix versus Device Position Parameters
 1. Consensus to use the (4x4) Device Position to Equipment Mapping Matrix as the definitive specification of the transformation (Type 1).
 2. Device Position Parameters Sequence is Type 2.
 - iii. Meaning of Isocenter Position for an Imaging Device.

WG-07 Meeting (1 hour) to be scheduled for 9:00am ET on 20-Dec-2023 at 9:00am ET to discuss CP2374 Improve RT equipment mapping for imaging.

Adjourned 20-Dec-2023