

# MINUTES

## JOINT DICOM T-CON

### WORKING GROUP TWO (WG-02) (Projection Radiography and Angiography) WORKING GROUP TWENTY EIGHT (WG-28) (Physics)

Version 2

**Logistics:** T-Con **May 12, 2020**; 09:00 to 13:00 EDT (1400-1800 UTC±0)  
T-Con **May 13, 2020**; 09:00 to 13:00 EDT (1400-1800 UTC±0)

*(call information at the end of this agenda)*

**Presiding Officers:** Francisco Sureda, Chair WG-02  
Annalisa Trianni, Co-Chair WG-28  
Donald Peck, Co-Chair WG-28

**Secretary:** Alberto Torresin (EFOMP)  
Shayna Knazik (MITA)

**Voting Members Present:**

AAPM  
EFOMP  
GE Healthcare  
MITA  
PACS Health  
Philips  
Siemens Healthcare GmbH

Nick Bevins  
Alberto Torresin  
Francisco Sureda  
Shayna Knazik  
Steve Massey  
Pritham Shetty  
Heinz Blendinger

## 1. Preliminary Events

- The Secretary identified participants and reviewed the antitrust rules and DICOM Patent Disclosure Policy.
- Members reviewed the agenda and revised as needed.
- Members reviewed and approved the minutes from the last meeting on March 25-27, 2020 (T-Con)
  - <http://dicom.nema.org/Dicom/minutes/WG-02/2020/>
  - <http://dicom.nema.org/Dicom/minutes/WG-28/2020/>

## 2. CPs

- Members reviewed the advances of the CPs discussed in previous meetings, and was discussed the new CPs related to the scope of WG-02 and WG-28.

Number	Name	Submitted	Assigned	Coded Status	Comments/Actions for WG-02 and WG-28
CP 1319	Frame Of Reference Reliability	Francisco Sureda, et al.	Ulrich Busch	Assigned	WG-02 agrees with version 13 and contacted Ulrich Busch asking to include examples of SPECT-CT or PET-MRI. Will review/discuss the response received from Ulrich and David Flade. <b>Action:</b> make examples for angiography.
CP 1915	Adapt definition of FocalSpot (0018,1190) to comply with IEC60336 section 8.3	Till Hoening	Björn Nolte	Assigned	Members will continue to monitor this CP.
CP 1927	Patient Sex and Gender clarifications	Horn	Horn	Assigned	Members will continue to monitor this CP.
CP 1964	Improve the definition of pixel spacing	Wim Corbijn	Wim Corbijn	Assigned	The group reviewed this CP and determined the changes were only editorial, but the group will continue to monitor.
CP 1966	Explicitly define the order of pitch and roll rotations	Jyrkkälä	Schadt	Assigned	Members reviewed this CP. They have no comments at this time but will continue to monitor.
CP 1974	Overlay usage with Multi-frame Image unclear	Wim Corbijn	Wim Corbijn	Assigned	Members reviewed this CP and agreed to investigate the repercussions for XA.
CP 1975	Active image region overlay	Dekker	Solomon	Assigned	Members reviewed this CP and will continue to monitor.
CP 1977	Correct Multi-energy Sequence Nesting	Hoening	Nolte	Assigned	Members reviewed this CP and will continue to monitor its progress.
CP 2018	Description of CTDIvol is not complete	Wim	Wim	CPACK 107	Members reviewed this CP and decided that they do not need to monitor it any further.
CP 2041	Add Table Value Type for DICOM SR	Clunie	Clunie	CPACK 108	Action: Nick to email David about CP-2041 to discuss the proposed corrections and clarifications based on the discussion today.

### **3. Supplement 212: XA Protocol Storage**

- This supplement is in Public Comments until June 5, 2020. Members will consider a T-Con to review the received comments before the WG-06 September meeting.

### **4. Supplement 214: Cone Beam Radiation Dose Structured Reporting**

- Members reviewed version 35 of the current supplement and its corresponding Powerpoint, focusing on open issues and updates since the April WG-06 meeting, and the assigned homework.
- Members discussed the overall structure of the Supplement including a major change which is the inclusion of T1D Tempaltes on Tenuaters. Also discussed were attenuation Characteristics and Category, type of sources, XA biplane implication and multiple source.
- WG-06 proposed a change regarding the RDSR frame of reference. Different rows of the Sup were updated following the WG-06 comments, in particular related to the large discussion on the RDSR frame of reference describing the coordinate system geometry.
- Specific description of the Content Item Description of Table TID eRDSRT10A were discussed and reported row by row (row 9 to row 9).
- All the comments will be in the last review of the Supplement and saved to the 28 FTP folder.
- The final content of the discussion will be sent to WG-06 and the Supplement was returned to WG-06 to prepare for Public Comments.

### **5. Other**

- Presentation of new proposal for RestFul3D (3D over DICOM Web) by WG-27 (by Steve Nicols) was discussed and uploaded in the DICOM site of WG02 and WG28. This is at the very early stage, work item proposal, so Steve wanted to bring it to these groups as a heads up. WG-06 asked WG-27 to review it with several of the DICOM WG's (NucMed, CT, MR, etc). Overall there's been acceptance of this from the other groups. DICOMWeb specifies behavior for rendering a (Softcopy) Presentation State Instance resource, but it does not specify anything for Volumetric Presentation States which provide a very complete method to save rendering parameters and segmentation, performed during post-processing (i.e. offline). Restful3D proposed a method to render volumes based on predetermined parameters via DICOMweb, parameters may be within a volumetric presentation state or the RESTful request. He reviewed several Use Cases, the feedback he received from the other WG's. The WG's provided some additional comments, and agreed to send Steve some additional comments.
- Members discussed comments/feedback on the Sup209 (DICOM Conformance Statement new template).
- Ulrich Busch (from Varian) presented a DICOM Correction Proposal about the Frame of Reference Reliability; the discussion will produce a final revision of the CP that will be shared with WG-02/28.

### **6. Planned Meeting Dates in 2020**

- T-Con in **May** with WG-06 to review Sup214 (Cone Beam Radiation Dose SR)

- **Action:** Shayna to set up a 2-hour call with WG-06 (not Thurs May 28<sup>th</sup>). Supplement 212 will not be presented, Shayna to delete those slots on WG-06 schedule.
- T-Con in **June/July** to review Public Comments of Sup212 (XA Protocol Storage)
  - **Action:** Shayna to schedule the next call for June 30, 9 am-11am EDT
- T-Con or face-to-face meeting in **October**. Possible locations: Paris, France; Taormina, Italy...
  - **Action:** Shayna to add October 5-7, 2020 meeting/tcon on our calendars to the DICOM calendar.

## 7. New Business

There was no new business to discuss.

## 8. Adjourn

- WG-02/WG-28 Joint Virtual Meeting was adjourned on May 13<sup>th</sup> at 1:00pm US ET.
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Prepared and submitted by Shayna Knazik  
Reviewed by Counsel Peter Tolsdorf, 11/9/2020