



MINUTES

JOINT TELECONFERENCE OF

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

Logistics: December 16, 2020; 09:00 to 11:00am US ET

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

Secretariats: Alberto Torresin (EFOMP)
Shayna Knazik (MITA/NEMA)

Voting Members Present:

AAPM	Nick Bevins
AAPM	Donald Peck
EFOMP	Alberto Torresin
ESR/EFOMP	Annalisa Trianni
GE Healthcare	Francisco Sureda
MITA	Shayna Knazik
PACS Health	Steve Massey
Philips	Pritham Shetty

Others Present:

AAPM	Bruce Curran, Alt. Voting
AAPM	Yuan Fang, Observer
AAPM/Univ. of Arkansas for Medical Sciences	Larry Tarbox, Observer
Canon Healthcare Solutions	Stephen Meyer, Observer
PACSHealth	Colby Dillion, Observer
Self	Heinz Blendinger, Observer
S.A.N. Business Consultants	Andrew Casertano, WG-22
VCU Health	Pei-Jan Paul Lin, Observer

Opening Items

- Welcome and roll call: the teleconference was called to order and a quorum was present.
- DICOM antitrust and patent rules were reviewed.
- The agenda was reviewed and approved.
- The minutes from the preview meeting (2020-10-21) were reviewed and approved.

Feedback from DSC meeting

- The WG-02 report was reviewed at the recent DICOM Standard Committee meeting and the group discussed one of the items regarding the need for more clinical and user participation in WG-02. Members discussed DSC feedback.
- The group concluded that it would be useful to be able to utilize a listserv, if DICOM was to create one, when we have specific questions for Physicians. This would be more effective than trying to have them join and participate in a lot of DICOM Working Groups.

CPs

- Members reviewed the advances of CP-1196:

Number	Name	Submitted	Assigned	Coded Status	Comments/Actions for WG-02 and WG-28
CP 1196	Add phantom-specific Total DLP Values to allow for Head and Body in same RDSR scope of accumulation	Clunie	Clunie	Assigned	Nick Bevins reported that he has been working with WG-21 on this CP. There have been two WG-21 meetings and a WG-06 meeting where this CP was discussed. Their conclusion is that the concept of total DLP is not very good and its current implementation in DICOM is a bit non-physical so vendors tend to add up DLP's across all CTs. This may be dropped entirely. Nick will continue to work with WG-21 and report any progress to WG-02/28 at the next meeting.

Supplement 212: XA Protocol Storage

- Members reviewed the current supplement and its corresponding PowerPoint, focusing on open issues and Letter Ballot updates since the November WG-06 meeting. Francisco Sureda led the group through three minor comments that have been submitted to the Letter Ballot, which closes on January 12, 2021. The Supplement was revised accordingly and the group provided the following responses to each Letter Ballot comment:
 - **Comment #1:** In DICOM Supplement 121 the table A.1-1 has items IOD Modules mandatory and user options that differ from those in XA, for example Performed XA Acquisition is an option for the procedure protocol in XA and Performed CT Acquisition is Mandatory in CT.
 - **WG-02 response:** While in DICOM Supplement 121, table A.1-1, the Modules “Performed CT Acquisition” and “Performed CT Reconstruction” are Mandatory, in DICOM Standard 2020e, PS3.3, Table A.82.1.3-1. “CT Performed Procedure Protocol IOD Modules”, those same Modules are User Optional. It seems that this was changed after Supplement 121 final text. The Supplement

212 (XA Protocols) is consistent with the current DICOM Standard for the CT Performed Procedure Protocol IOD. Therefore, in Supplement 212 Table A.82.Y1.3-1. “XA Performed Procedure Protocol IOD Modules”, the Modules “Performed XA Acquisition” and “Performed XA Reconstruction” are also User Optional like their equivalent CT Modules.

- **Comment #2:** In this supplement also at line 220, the table listed includes Performed CT Acquisition and Performed CT Reconstruction and these should be removed.
 - **WG-02 answer:** In Supplement 212, the table of line 220 highlights the changes to the PS3.3 table A.1-9. For editorial reasons we have kept all the rows as they are in PS3.3. In particular, the rows “Performed CT Acquisition” and “Performed CT Reconstruction” are present but not applicable to the new XA Protocol IODs.
 - **Comment #3:** There is a line in the same table for Protocol Approval that does not define a state for either and should be removed as well or a definition applied.
 - **WG-02 answer:** Same rational as previous answer: the row “Protocol Approval” is present but not applicable to the new XA Protocol IODs.
- Shayna has reserved one, 2-hour slot at the January 2021 WG-06 meeting for this Supplement, in preparation for Final Text.

Supplement 214: Cone Beam Radiation Dose Structured Reporting

- Members reviewed the current supplement and its corresponding PowerPoint, focusing on open issues and updates since the November WG-06 meeting. Nick Bevins led the group through a review of the Public Comments received, and as well as the WG-06 feedback received at their meeting in November.
 - TID eRDSRT10B Beam Position was updated to remove the mechanism to define the filter position and structure within the TID, following the recommendation of WG-06. The TID now follows the same structure as the one used in the P-RDSR, which relies on defining attenuators by reference to an image, composite, or UIDREF. In addition to defining the structure by reference, the TID now includes an additional transformation matrix to relate the RCS of the reference to the source RCS.
 - The group made a similar change to the Attenuator Position TID, removing the inline definition of the attenuator shapes/positions in favor of describing by reference.
- The Supplement was revised accordingly and Nick will upload the current version to the FTP.
- Shayna has reserved one, 1-hour slot at the November WG-06 meeting for this Supplement, in preparation for Letter Ballot.

Planned Meeting Dates in 2021

- Members will discuss plans for 2021 meetings.
- Virtual meeting – March 10-12, 2021, 8am-12pm US Eastern Time
- Tentative virtual meeting – June 9-11, 2021

- **Action:** Shayna to schedule the March 2021 meeting and place a tentative hold for June.

New Business

- There was no new business to discuss at this time.

Adjourn

- The meeting was adjourned at 10:40am US ET on December 16, 2020.

Prepared and submitted by Shayna Knazik
Reviewed by Counsel 4/6/21