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# ***MINUTES***

## **JOINT DICOM MEETING**

## **WORKING GROUP TWO (WG-02)** (Projection Radiography and Angiography)

## **WORKING GROUP TWENTY EIGHT (WG-28)** (Physics)

Version 1

**Logistics**: **Feb 19 to 21, 2018 | 09:00am to 5:00pm**

**University of Miami Medical Campus | Sylvester Comprehensive Cancer Center (SCCC)**

1475 NW 12th Ave, Room 1537

Miami, Florida 33136

**Presiding Officers:** Francisco Sureda, Chair WG-02

Donald Peck, Co-Chair WG-28

Annalisa Trianni, Co-Chair WG-28 (EFOMP)

**Secretary:** Annalisa Trianni (ESR)

Shayna Knazik (AAPM)

**Voting Members Present Represented by**

AAPM Donald Peck

EFOMP, ESR Annalisa Trianni

GE Healthcare Francisco Sureda

AAPM Nick Bevins

PACS Health Steve Massey

Siemens Healthcare GmbH Heinz Blendinger (participated remotely via GoToMeeting)

### Preliminary Events

* Members identified themselves and their employers.
* Members reviewed and approved Agenda
* Members reviewed and approved the minutes from the previous WG-28 meeting on November 27, 2017 at RSNA 2017 in Chicago, Illinois, and the joint WG-02 & WG-28 meeting on October 2017 in Milan, Italy

ftp://medical.nema.org/MEDICAL/Dicom/Minutes/WG-02/2017/

ftp://medical.nema.org/MEDICAL/Dicom/Minutes/WG-28/2017/

### CP Review

* Members reviewed the advances of the CPs discussed during the last meeting, and reviewed new CPs related to the scope of WG-02 and WG-28.

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| 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 | No updates. |
| **CP 1716** | Add Protocol MWL Entry | O'Donnell | O'Donnell | Letter Ballot | Members confirmed that the last part of the CP document which was missing is now complete. Members incorporated this in their XA Protocol Storage discussion. **Action (Francisco Sureda): send an email to Kevin to add “define protocol sequence” either in the name or description.** |
| **CP 1717** | Add WIP Flag to include procedure protocol instances |  O'Donnell | O'Donnell | Voting Package | Members reviewed and had no further comments. |
| **CP 1718** | Encoding protocol dependence on device options | O'Donnell | O'Donnell | Assigned | Members did not review. |
| **CP 1742** | Performed protocol code sequence | Clunie | Clunie | Letter Ballot | Members reviewed and will continue to follow up. |
| **CP 1764** | More radiomic features | QIICR | Clunie | Assigned | Members reviewed and had no further comments. |
| **CP 1767** | Correct PS3.3 Figure 7.13.4-1 Protocol Storage | Sureda | Clunie | Voting Package | Members submitted this new CP at the WG-06 meeting in January 2018. Members reviewed and had no comments. |
| **CP 1768** | Correct PS3.17 Figure FFF.2.3-1: “Example of Usage of Photometric Interpretation” | Sureda | Clunie | Voting Package | Members submitted this new CP at the WG-06 meeting in January 2018. Members reviewed and had no further comments. |
| **CP 1769** | Add Radiation Dose units to CID 7181 to be used with Dose Quantities in Parametric Maps. | Trianni | Clunie | Voting Package | Members submitted this new CP at the WG-06 meeting in January 2018. Members reviewed and had no further comments. |
| **CP 1770** | Compression Force | Höcker | Nolte | Assigned | Members reviewed and had further no comments. |

Members reviewed the Table A.1-9 “Composite Information Object Modules Overview – Protocols” and confirmed that the corrections have been included in the released 2018a Standard.

### Review Current Work Items and Supplements

* Members finished the review of WG-21 Supplement 188 on Multi-energy (ME) CT scanners and had no further comments.

### XA Protocol Storage (new supplement)

* Members reviewed and completed the Work Item request to be submitted to the DSC for new supplement **XA Protocol Storage**. The request will be submitted to be included on the agenda for the DSC April meeting (**Action: Francisco Sureda**).
* Members continued working on the Supplement and ensuring consistency with the Sup121.
* A new CP is needed to modify the Performed Storage Module in Part3 C.34.14 from Supp121 to allow protocols of any modality (**Action: Francisco Sureda**)
* The work in progress includes: (a) definition of the use cases related to the X-Ray Angiographic procedures, (b) description of the set of parameters and associated details of the angio protocols, (c) mapping between IT related items (Modality Worklist), Imaging settings and Protocol Storage.
* Members have identified the Acquisition and Reconstruction Protocol Elements proposed by the XA manufacturers and have defined standard attributes.

### RDSR Informative Annex (new supplement)

* Members reviewed the work-in-progress of the supplement to replace the Annex AA of Part 17. This supplement includes guidelines to encode the RDSR object on the different equipment configurations (Angio, Mammography, surgical mobile, CR/DR). It will cover various clinical scenarios (e.g. repeat/reject analysis) and data flows. Members will continue developing this new supplement at their next meeting.

### Radiation Dose Structured Reporting for Cone Beam CT (new supplement)

* Members reviewed the work-in-progress of the new supplement pursuant to DICOM Work Item 2015-12-D (Cone Beam CT-RDSR). This new supplement considers an Extended RDSR with the possibility to include CBCT and other modalities as well as further information that the equipment could provide.
* Members discussed and completed a PowerPoint for presentation at the WG-06 Meeting in March with the goals of explaining the motivation of this new supplement and the necessity of the new integration connected with the P-RDSR document where all the dosimetric info should be integrated.

### Follow –Up Topics

* IHE MAP Profile: Members followed up the development of the new IHE Profile for Management of Acquisition Protocols (MAP). Members will continue to monitor relative to the XA Protocol Storage work.
* Sup 164: Substance Admin Report SR: Members reviewed the updates of the supplement to ensure that the XA acquisition modality actor can query the contrast SR during the exam, after the injection has been performed. No further discussion.
* IHE REM Profile: Members followed up the current CPs related to the IHE Profile for Radiation Exposure Monitoring (REM), and will provide comments when appropriate. ftp://ftp.ihe.net/Radiology/TF\_Maintenance/
* Review MRI Supplement 210 for Paradigm Protocol Storage: Members will continue to monitor the progress of this supplement.

### Reports from liaisons with other groups and organizations

* Annalisa Trianni reported on the MITA X-Ray Interventional activities and on the IEC Interventional activities related to radiation dose reporting. No updates from MITA.
* **Action Item to Chairs: Need to complete and send DSC Reports by March 27, 2018.**

### New Work Items

* Members discussed possible new activities, including joint activities with other WGs.
* Members decided to submit to DSC in April a new Work Item proposal for XA Protocol Storage.

### Planned Meeting Dates in 2018

Members continued defining the calendar for 2018 meetings.

* **June 4-6, 2018** joint WG-02/28 meeting in Prague, Czech Republic (confirmed availaility).
* **September 17-19, 2018** joint WG-02/28 meeting in Helsinki – to be confirmed.

### New Business

* No new business was discussed.

### Adjourn

* The Joint DICOM Meeting of WG-02 and WG-28 was adjourned at 3:30pm on February 21, 2018.

Submitted by Luiza Kowalczyk, DICOM Secretary

Reviewed by Clark Silcox, Legal Counsel