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DRAFT MINUTES

JOINT IN-PERSON & VIRTUAL MEETING OF WORKING GROUP TWO (WG-02) (Projection Radiography and Angiography) WORKING GROUP TWENTY EIGHT (WG-28) (Physics)

Logistics: **March 6-8, 2023;** 9:00am - 5:00pm Central European Standard Time
European Society of Radiology (ESR)
Am Gestade 1, 1010 Vienna, Austria
(call information at the end of this agenda for virtual participants)

Presiding Officers: Francisco Sureda, Chair WG-02
Annalisa Trianni, Co-Chair WG-28
Nick Bevins, Co-Chair WG-28

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

Voting Members Present:

AAPM
AAPM
EFOMP
ESR/EFOMP
GE Healthcare
IPEM/British Institute of Radiology
MITA
PACS Health
Self

Represented by:

Nick Bevins
Donald Peck
Alberto Torresin
Annalisa Trianni
Francisco Sureda
Ed McDonagh
Shayna Knazik
Steve Massey
Heinz Blendingner

Voting Members Not Present:

Philips
Siemens Healthineers

Represented by:

Asha Gopalakrishnan
Julien Erath

Others Present:

GE Healthcare
Philips
University of Washington

Represented by:

Steve Nichols
Sjirk Boon
Paul Kinahan

1. Administrative Items

- The meeting was called to order at 9:10am Central European Standard Time.
- Staff reminded members of the Guidelines for Conducting NEMA Meetings and DICOM Patent Disclosure Policy: <https://www.dicomstandard.org/patent>
- The agenda was reviewed and approved.
- The previous meeting minutes (November 28, 2022) were reviewed and approved.

2. Correction Proposals (CPs)

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

Number	Name	Submitted	Assigned	Coded Status	Comments/Actions for WG-02 & WG-28
CP-1319	Frame Of Reference Reliability	Francisco Sureda	Uli Busch	Cancelled	This CP was cancelled by David Clunie, based on the feedback provided by this group and WG-07. This item will be removed from future agendas.
CP-1915	Adapt definition of FocalSpot (0018,1190) to comply with IEC60336 section 8.3	Till Hoenig	Björn Nolte	Assigned	Till reported that this has been suspended in WG-21 because there was no driver/immediate need. Work still has not been resumed. Group will continue to monitor.
CP-1964	Improve the definition of pixel spacing	Wim Corbijn	Wim Corbijn	Assigned	On hold until Wim Corbijn and WG-16 are able to work on this CP. The group will continue to monitor.
CP-2217	Add CID for Radiation Dose Imaging Procedures	Nick Bevins	David Clunie	Assigned	Nick Bevins had an action from the November 2022 meeting to add a note that the group is working on a table in our Informative Annex Supplement. The group reviewed Nick's edits. Nick will try to join the WG-06 meeting in March to share the group's discussion.
CP-2218	Add Note in PS3.16 TID 10007 row 3	Francisco Sureda	Steve Nichols	Final Text	This CP was included in CPack-119, which closed in December 2022. No comments were received so it was approved for Final Text at the January WG-06 meeting. This item will be removed from future agendas.
CP-2219	Add Note in PS.16 to Table Position Codes	Francisco Sureda	Steve Nichols	Final Text	Approved for Final Text at the January 2023 WG-06 meeting. This item will be removed from future agendas.
CP-2220	Differentiate geometric types of CT imaging sources	Yulong Yan	Christof Schadt	Assigned	This CP remains assigned until WG-21 and WG-07 come to a resolution and it is returned to WG-06. The group will continue to monitor. Action: Shayna will send this CP to WG-02/28 before it is sent to WG-06.
CP-2238	Add Reject Flag items in RDSR for X-Ray and CT	Francisco Sureda	Steve Nichols	Assigned	This CP was sent back to WG-28 for further discussions re: debate about KOS vs. RDSR. The group discussed this at the November 2022 meeting and suggested that Steve Nichols map out a few scenarios for this meeting. Steve joined the call to share his edits with the group.
CP-2243	Add Source-based Reference Point to CID 10025	Nick Bevins	Steve Nichols	Final Text	This CP was included in CPack-119, which closed in December. No comments were received so it was

					approved for Final Text at the January WG-06 meeting. This item will be removed from future agendas.
CP-2268	Update Quantitative Diagnostic Imaging Procedure codes	David Clunie	David Clunie	March 2023 Voting Packet	The group reviewed this CP and determined that no action from WG-02 is needed. The group will not monitor this CP.
CP-2273	Clarify whether zero length Type 3 Sequences are allowed or not	Jörg Riesmeier	David Clunie	Assigned	The group briefly reviewed this CP and determined there is no action needed from the group. The group will not monitor this CP.
New	Update mammography dose reference point code meaning	Nick Bevins	n/a	New for March WG-06 meeting	The group drafted a New Correction Proposal to update a mammography dose reference point code meaning. Action: Shayna will upload this to the March WG-06 meeting folder.
New	Table timing description for Enhanced RDSR	Nick Bevins	n/a	New for March WG-06 meeting	The group drafted a New Correction Proposal to add Content Item Descriptions to provide an explanation on how to populate the timing information in these TABLE VTs. Action: Shayna will upload this to the March WG-06 meeting folder.
New	Update to TID 10048 Description	Nick Bevins	n/a	New for March WG-06 meeting	The group drafted a New Correction Proposal to correct references in PS3.16 TID. Action: Shayna will upload this to the March WG-06 meeting folder.

3. Updates on WG-20/HL7 radiation dose summary

- Nick Bevins provided an update on this item. Members from WG-02/28 met with WG-20/HL7 in January 2023 to discuss some issues with their radiation dose summary. The groups reached some compromises, but WG-02/28 members agreed that it's important to continue to follow this effort closely.
- **Action:** Nick and Annalisa will reach out to Kevin O'Donnell to confirm that they removed several use cases, and that they will continue to keep WG-02/28 in the loop.

4. Dose Management: Patient Protocol (Black Image) vs. RDSR

- Kevin O'Donnell (as part of a WG-21 effort) is working on a CP to include a way to create a somewhat standard fashion of displaying summary-level information from RDSRs within a PACS, EMR, etc. to replace the dose pages which are provided by vendors.
 - **Action:** Shayna will arrange a 30-60 minute call with Kevin O'Donnell and WG-02/28 leaders before the Boston meeting.
- At the November 2022 meeting, the group discussed CT efforts to see if there is a way to incorporate a similar effort for XA, radiography, etc. Steve Massey created a summary document with all the XA, interventional, C-Arm, etc. vendor RDSR/protocol pages. Shayna connected Steve with Mahesh M.'s to coordinate with WG-21 efforts.
- Members discussed updates from Steve Massey regarding a summary document with all the XA vendor RDSR/protocol pages. The group created a spreadsheet of this

information and sent to Kevin for review before the Boston meeting.

5. New Supplement on DX and RF Modality Protocol Storage

- Heinz Blendinger submitted this NWIP to the DICOM Standard Committee at their RSNA meeting on December 1, 2022, where it was approved. The group reviewed Heinz's initial draft.
- The group discussed who will be the editor of this Supplement since Heinz is retiring. Annalisa Trianni agreed to step in as editor.
- **Action:** Annalisa will begin the process of reaching out to vendors to contribute their protocol parameters with the old XA spreadsheet from October 2019.

6. Supplement on RDSR Informative Annex

- Members reviewed changes to the document since the September 2022 meeting in Trento, Italy. The document is ready for WG-22 to join the next meeting and review the dentistry sections. The current draft can be found on the FTP in this meeting's folder.
 - **Action:** Francisco Sureda will merge his version of the document with the version Nick Bevins created.
 - **Action:** Nick will review the merged document and note questions and sections for WG-22 review.
 - **Action:** Shayna will send the merged document with dentistry notes to WG-22 and invite them to call into the Boston meeting for an hour.

7. Meeting Dates in 2023

- Summer -- Boston, May 17-19, 2023
- Fall -- Mallorca, October 18-20, 2023

8. Tentative Meeting Locations in 2024 – to be decided in Boston

- Sicily -- Spring
- São Paulo or Seattle -- Summer
- Lisbon -- Fall

9. New/Old Business

- Several demands are emerging to build regional/national dose collection systems (Alberto Torresin)
 - How to collect data from different manufacturers?
 - Is the standard IHE dose monitor profile appropriate?

The group discussed potential ways for IEC and MITA to better enforce existing IHE and DICOM standards to create better alignment for regional/national dose collection systems. Members agreed this is not a DICOM problem – it is an implementation problem.

- DICOM Working Group 03 (Nuclear Medicine)
 - EFOMP has expressed an interest in adding members to the Nuclear Medicine Working Group, but it is currently dormant. Shayna noted that

SNMMI also recently reached out to DICOM expressing interest in reactivating this group. EFOMP will reach out to Shayna when they identify how many people are interested in the group, and if there are any pressing topics for a potential work item. If there is just a need for smaller Correction Proposals, WG-28 could manage them.

10. [Adjournment](#)

- The meeting was adjourned on Wednesday, March 8, 2023 at 3:00pm Central European Standard Time.

Prepared and submitted by Shayna Knazik
Reviewed by Counsel 3/27/2023