

DRAFT MINUTES

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

Logistics: **June 6-7, 2022;** 8:00am to 12:00pm US Eastern Time
(call information at the end of this agenda)

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
Philips
Self

Represented by:

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

Voting Members Absent:

Siemens Healthineers

Represented by:

Julien Erath

Others Present:

AAPM

Represented by:

Bruce Curran, Observer

1. Administrative Items

- The virtual teleconference was called to order and a quorum was present.
- DICOM antitrust and patent guidelines were reviewed.
- The agenda was reviewed and approved.
- The minutes from the WG-02/WG-28 teleconference on March 9, 2022 were approved.

2. Correction Proposals (CPs)

- Members reviewed the advances of CPs discussed in previous meetings. New CPs listed in the master WG-06 CP spreadsheet were also reviewed and there were none related to the scope of WG-02 and WG-28 at this time. CPs that are being monitored include:

Number	Name	Submitted	Assigned	Coded Status	Comments/Actions for WG-02 & WG-28
CP-1196	Add phantom-specific Total DLP Values to allow for Head and Body in same RDSR scope of accumulation	D. Clunie	D. Clunie	Final Text	Shayna noted that this CP was approved for Final Text in CPack-115. This can be removed from future agendas.
CP-1319	Frame Of Reference Reliability	Sureda, et al.	Busch	Assigned	Francisco spoke with Ulrich Busch/WG-07 and added some Angio use cases to this CP. Members reviewed Francisco's addition to this CP. Action: Shayna will send it to WG-07 to discuss.
CP-1915	Adapt definition of FocalSpot (0018,1190) to comply with IEC60336 section 8.3	Hoening	Nolte	Assigned	Till reported that this has been suspended because there was no driver/immediate need. Will continue to monitor.
CP-1927	Patient Sex and Gender clarifications	Horn	Horn	Assigned	WG-06 Ad Hoc on Gender & Sex Encoding is considering turning this into a Supplement. The group decided to remove this future agenda. Action: Shayna to remove from the September agenda.
CP-1964	Improve the definition of pixel spacing	Corbijn	Corbijn	Assigned	Shayna reached out to Wim asking for a status update on CP-1964. Wim replied that David Clunie didn't want to change the images and the explanation in Part 3, that he is willing to accept that the changes go into Part 17 as informational text. He recommended that WG-02 should change the CP and move the text to a new annex in Part 17. The group disagreed with Wim's proposed approach and suggests not to change the pixel spacing in Part 13. WG-02 will review projection radiography to determine if any changes are necessary. If clarification is needed, it should be added to Part 17. Action: Francisco to reply to Wim with this explanation.
CP-2144	Cleanup PS3.17 section AA to refer to IHE REM profile and figures	Blendinger	O'Donnell	CPack-116	This CP was included in CPack-116 which closed June 2, 2022. Members will continue to monitor until it makes it to Final Text.

CP-2198	Correct row reference in Content Item Description of TID 10003	Blending	Nolte	June 2022 Voting Packet	This CP will be in the June 2022 Voting Packet (WG-06 meets June 20-24). Members will continue to monitor until it makes it to Final Text.
CP-2217	Add CID for Radiation Dose Imaging Procedures	Bevins	Clunie	Assigned	This was assigned to David Clunie with the number 2217 at the March WG-06 meeting. Members will continue to monitor as it progresses through WG-06.
CP-2218	Add Note in PS3.16 TID 10007 row 3	Sureda	Nichols	Assigned	This was assigned to Steve Nichols with the number 2218 at the March WG-06 meeting. Members will continue to monitor as it progresses through WG-06.
CP-2219	Add Note in PS.16 to Table Position Codes	Sureda	Nichols	Assigned	This was assigned to Steve Nichols with the number 2219 at the March WG-06 meeting. Members will continue to monitor as it progresses through WG-06.
New	Add Reject Flag items in RDSR for X-Ray and CT	Sureda	n/a	New	The group worked on a new CP draft to add reject flag items in RDSR for X-Ray and CT. It is now ready for WG-06 review. Action: Shayna will add this draft to the WG-06 June meeting folder.
New	Add Source-based Reference Point to CID 10025	Bevins	n/a	New	The group worked on a new CP draft to add source-based reference point to CID 10025. It is now ready for WG-06 review. Action: Shayna will add this draft to the WG-06 June meeting folder.

3. 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. Members reviewed the CT efforts to see if there is a way to incorporate a similar effort for XA, radiography, etc.
- Summary report of dose exposure as additional series will be introduced into the standard: CP specific will be finalized by Kevin as well with the most important dose information for different modalities. The role of IHE and DICOM needs to be determined with input from scientific societies (AAPM and EFOMP). WG-02/28 may want to hold a 1-hour conference call if Kevin anticipates this would be wrapped up before our September meeting.
- **Action:** Shayna will reach out to Kevin for a timeline of the IHE CP, so that AAPM and EFOMP can discuss and provide comments before it's too far into the review cycle.

4. Other items

- Ed McDonagh prepared a brief description of a problem related to traditional RDSRs including templates 10003, 10003A, 10003B. The group discussed and decided to draft a CP on this item.
 - **Action:** Nick will write a CP.
- DAP Doses (Mahesh): Mahesh asked WG-02/28 if there should be an official DICOM statement on how DAP doses should be displayed. The group discussed and concluded that DICOM cannot enforce how these are displayed.
 - **Action:** Nick will reply to Mahesh.
- AAPM letter to WG-20/HL7 regarding the radiation dose summary
 - <https://jira.hl7.org/browse/FHIR-35726>

- WG-20/HL7 II would like WG-02/28 to join one of their calls to discuss this letter.
- **Action:** Shayna will forward the call invitation for June 28 at 10am US Eastern to Steve Massey, Nick Bevins, Ed McDonagh, and Bruce Curran.
- Gender Harmony Impact (Steve Nichols)

Gender Harmony Impact: Long term dose tracking may not be considered by the technologist during the patient interview. When monitoring accumulated dose over time, a change in the meaning of (0010,0040) can potentially impact the accuracy of site specific dose estimates. Need AAPM representative from WG-28 to confirm.

 - In HL7, there is a WG on Gender Harmony. Use cases are the first thing being investigated. Steve shared the Gender Harmony Logical Model and asked for feedback from WG-02/28 on two of the use cases: radiation protection and radiation dose/long-term dose tracking. The group recommended that AAPM would be a more appropriate place for a review, not DICOM's physics group.
 - **Action:** Steve will send the information to Nick for AAPM's response and Annalisa for EFOMP's response.

5. Supplement on RDSR Informative Annex

- Members continued drafting this Supplement but spent the majority of this meeting on other agenda items. The following progress was made:
 - WG-22 shared their dentistry examples for inclusion in the Supplement. They attended the call at 11am on Monday.
 - **Action:** Shayna to email WG-22 leaders the new draft after Tuesday's meeting is over. Mention that the format for the other parts of Chapter 3 (mammo, XA or RF sections) are mostly finalized if they want to use it as a model to describe the workflows. If they are unable to submit a revised version before the September meeting, Nick **agreed** to review the dentistry section ahead of the meeting.
 - The Radiography and Fluoroscopy section was briefly reviewed.
 - Section assignments were made in preparation for the September meeting.
- **Goal before September meeting:** Francisco and Nick will complete Chapter 3 sections, with the exclusion of dentistry, and start to fill out Chapter 4.

6. Meeting Dates in 2022

- Members discussed plans for 2022 meetings:
 - In-person meeting:
 - Centro di Protonterapia in Trento, Italy (Via al Desert, 14, 38122 Trento TN, Italy)
 - Sept 14-16, 2022
 - **Action:** Shayna to send calendar appointment. Group will move ahead with making flight and hotel reservations.
 - November: at our September meeting, the group will consider a 2-hour meeting at RSNA on Monday.

- 2023 meetings: the group will discuss 2023 schedule at the September meeting.

7. **Old Business**

- The group reviewed and approved of Francisco's response to the DICOM Forum question which was brought to our attention by Kevin O'Donnell. This item can now be closed.
 - Angio Table Motion tracking in RDSR for WG-02/28
<https://groups.google.com/g/comp.protocols.dicom/c/NU3l4RpK-Ss>

8. **Adjournment**

- The meeting was adjourned on June 7, 2022 at 11:32am US Eastern Time.

Prepared and submitted by Shayna Knazik

Reviewed by Counsel 6/15/2022