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MINUTES

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

Logistics: **October 18-20, 2023;** 9:00am - 5:00pm CEST
INNSiDE by Meliã Palma Center
Carrer de Font i Monteros, 23, 07003 Mallorca, Spain

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:	Represented by:
AAPM	Nick Bevins
AAPM	Donald Peck
EFOMP	Alberto Torresin
GE Healthcare	Francisco Sureda
IPEM/British Institute of Radiology	Ed McDonagh
MITA	Shayna Knazik
PACS Health	Steve Massey
Self	Heinz Blendinger
Siemens Healthineers	Julien Erath

Voting Members Not Present:	Represented by:
ESR/EFOMP	Annalisa Trianni
JSRT	Minoru Kawamata
JSRT	Hiroshi Sakamoto
*Philips	Asha Gopalakrishnan

Philips
*Sir Ketumile Masire Hospital Botswana

P. Prasad
Tonic Motswakgomo

*Not present at two consecutive meetings and therefore not counted for quorum during this tcon

Others Present:	Represented by:
AAPM	Paul Kinahan
GE Healthcare	Steve Nichols

1. Administrative Items

- The meeting was called to order at 9:15am CEST and a quorum was present.
- Staff reminded members of the [DICOM Patent Disclosure Policy](#) and [guidelines for conducting NEMA meetings](#).
- The agenda was reviewed and approved.
- The previous minutes from the July 19, 2023 teleconference 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-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. 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. They hope to pick it back up on this soon. This group will continue to monitor.
CP-2217	Add CID for Radiation Dose Imaging Procedures	Nick Bevins	David Clunie	CPack-122	This CP was approved for Final Text and will be removed from the next agenda.
CP-2220	Differentiate geometric types of CT imaging sources	Yulong Yan	Christof Schadt	Nov 2023 Voting Packet	This CP has been moved to the November 2023 Voting Packet. Members reviewed its current state.
CP-2287	Update mammography dose reference	Nick Bevins	Nick Bevins	Nov 2023 Voting Packet	This CP has been moved to the November 2023 Voting Packet. Members reviewed its current state

	point code meaning				and Nick saved it to the VP folder for the November WG-06 meeting.
CP-2288	Table timing description for Enhanced RDSR	Nick Bevins	Nick Bevins	Nov 2023 Voting Packet	This CP has been moved to the November 2023 Voting Packet. Members reviewed its current state and Nick saved it to the VP folder for the November WG-06 meeting.
CP-2289	Update to TID 10048 Description	Nick Bevins	Nick Bevins	Nov 2023 Voting Packet	This CP has been moved to the November 2023 Voting Packet. Members reviewed its current state and Nick saved it to the VP folder for the November WG-06 meeting.
CP-2317	Duplicate RP definition in RDSR	Nick Bevins	Nick Bevins	Assigned	Members reviewed the current state of this CP and Nick moved it to the Assigned folder for the November WG-06 meeting.
CP-2318	Cassette-Based X-Ray Total DAP	Nick Bevins	Nick Bevins	Assigned	Members reviewed the current state of this CP and Nick moved it to the Assigned folder for the November WG-06 meeting.
CP-2319	TID 10007 clarify conditions	Francisco Sureda	Steve Nichols	Assigned	Members discussed this CP with Steve Nichols and provided feedback. Will continue to monitor as it works its way through WG-06. Action: Nick will extend the CP to include TID 10003A.
CP-2322	Record Vendor-specific CT Image Quality Reference Parameters	Till Hoenig	Kevin O'Donnell/ Björn Nolte	Assigned	Members discussed this CP from WG-21 and emailed the assignees some suggested edits. Will continue to monitor as it works its way through WG-06. Action: Nick will send the group's comments to Björn.
CP-2327	Inconsistency (113930,DCM,Size Specific Dose Estimate)	Björn Nolte	Björn Nolte	Assigned	Members discussed this CP. Will continue to monitor as it works its way through WG-06. Action: Nick will send the group's comments to Björn.

- **Action:** Nick will send David Clunie an editorial correction of row 24 of TID 10041 to insert a space between Fluoro and Dose.

3. [Updates on WG-20/HL7 radiation dose summary](#)

- Steve Nichols joined the call to discuss some changes WG-28 requested to the [HL7 Radiation Dose Summary for Diagnostic Procedures on FHIR IG](#).
 - The problematic use cases were removed (see [GitHub](#))

- WG-28 consensus was not to add a string to encode the dose summary observation (as in OBX-5). Instead the consensus is in favor of encoding each element (dose type, unit, value, as in OBX-6).
 - **Action:** Steve Massey will send Steve Nichols some examples of HL7 messages. Steve N. will ensure that OBX-6 is translated to FHIR.
 - **Action:** After Steve N. confirms OBX-6 representation (and resolves build issues), he will provide a link to the new IG build to WG-28.
 - Once the changes are implemented, some of the HL7 negative ballots will need to be reversed to finalize the IG.
4. **Dose Management: Patient Protocol (Black Image) vs. RDSR**
- The group did not receive any updates from Kevin O'Donnell ahead of this meeting. The group will continue to monitor this item.
5. **New Supplement on DX and RF Modality Protocol Storage**
- The group checked in on project re: reaching out to vendors to contribute their protocol parameters and merge with the old XA spreadsheet from October 2019. The spreadsheet is needed before other actions can be resolved. Annalisa Trianni has an outstanding action item:
 - **Action:** Annalisa will continue to assemble the spreadsheet. She will circulate the spreadsheet to WG-02 and WG-28 vendor representatives to fill in the values with their company experts.
 - **Action:** Nick will confirm that Annalisa puts the most recent version of the spreadsheet on the FTP.
 - **Action:** Francisco will get an example protocol.
6. **Supplement on RDSR Informative Annex**
- Members continue to draft this supplement and reviewed homework assignments from the May in-person meeting in Boston as well as the last teleconference on July 19, 2023. The group also worked on the accompanying PowerPoint. Andreas Schaller joined the call to discuss DLP definitions.
 - **Action:** Heinz will submit a CP to change the value set constraint for TID 10001.
 - **Action:** Nick will write a CP to correct the DICOM definitions to be in line with the current IEC definitions for CTDI, DLP, and scanning length, but will take the current IEC versions and distill them into a DICOM definition and create a new value "L". Nick will then bring this to WG-21 and WG-28 to review prior to WG-06 submission.
 - **Action:** Francisco will merge the updates of the supplement since July and will upload the new DRAFT 10 (or the current version after the next meeting) to the WG-06 FTP for a First Review at their January 2024 meeting.
 - **Action:** Shayna will schedule a First Read in the morning of January 11, 2024 with WG-06.
7. **Future Meeting Dates**
- 2024 meeting and teleconference dates:

- First Read of RDSR Informative Annex Supplement with WG-06 – January 11, 2024 from 8:30-10:30am US EST
- Teleconference -- January 18, 2024 from 9-11am US Eastern
- London meeting -- April 17-19, 2024
- Teleconference -- June
- Teleconference -- August
- Lisbon, Sicily, or Milan meeting -- October
- RSNA meeting – Monday, December 2, 2024
- **Action:** Shayna will send a calendar appointment for the upcoming meeting and calls.
- **Action:** Ed, Steve, and Annalisa will investigate meeting locations in London.

8. **New/Old Business**

- None at this time

9. **Adjournment**

- The meeting was adjourned on Friday, October 20, 2023 at 5:59pm CEST.

Prepared and submitted by Shayna Knazik
Reviewed by counsel: 03/15/2024 kfrm