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MINUTES

WORKING GROUP TWENTY-ONE (Computed Tomography)

Version 1

Date & Time: Wednesday, February 23, 2022
12:00-1:30pm US EST

Presiding Officers: Till Hoenig, Co-Chair, Vendor
Shuai Leng, Co-Chair, User
wg21chairs@dicomstandard.org

Secretary: Shayna Knazik, DICOM/MITA

Voting Members Present:	**Represented by:**
AAPM	Kai Yang
AAPM/Mayo Clinic	Shuai Leng
Canon	Kevin O'Donnell
DICOM/MITA	Shayna Knazik
Johns Hopkins University	Mahadevappa Mahesh
Philips	Shlomo Gotman
Siemens Healthineers	Till Hoenig
United Imaging Healthcare	Adam Chandler

Voting Members Not Present:	**Represented by:**
*ACR	Paul Armstrong Hill
*GE Healthcare	Hervé Hoehn
*PixelMed Publishing	David Clunie

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

Others (Observers & Alt. Voting) Present:	**Represented by:**
GE Healthcare	Steve Nichols, Observer

1. **Opening**
   → The 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 January 19, 2022 were reviewed and approved by the group.

2. WG-21 Correction Proposals (CPs) Status

CP#	Submission Date	Submitter	Affects DICOM Parts	Assignee	Status	Description	Coded status
1196	2011-11-30	D. Clunie	Part 3	D. Clunie	Voting Packet	Add phantom-specific Total DLP Values to allow for Head and Body in same RDSR scope of accumulation	CPack-115
1915	2019-02-16	Hoenig	Part 3	Nolte	Suspended	Adapt definition of FocalSpot (0018,1190) to comply with IEC60336 section 8.3	n/a
2097		Hoenig	Part 3	Nolte		New ImageType(s) for Multi-energy CT Acquisition: ENERGY_VRPROP_WT (formerly treated in CP2010)	Terminate
<New>		Hoenig	Parts 3/16		New	Publicly document and specify vendor specific CT Image Quality Reference Parameter as a SQ	
<New>		Hoenig	Part 3	Nolte	New / submitted to WG6	Correct Table C.11.1.1.2.1-1 Recommended Rescale Type Assignments for Multi-energy CT Image	

3. Additional public attribute for CT images, addressing the context "(User selectable) parameter that determines the tube current time product relevant for the image quality", see Meeting folder

→Rationale and content of the CP have been reworked (thanks to Steve and J. Riesmeier for valuable input!). A request was sent out to the group to provide further suggestions for additional vendor-specific parameters. The CP together with the parameter suggestions was reviewed and the group approved of the edits.

→Action Item: Kevin and Adam will add Canon and United Imaging specifics.

→Shuai suggested to use this AAPM Lexicon to come up with the most generic terms possible: https://www.aapm.org/pubs/CTProtocols/documents/CTTerminologyLexicon.pdf

It would be helpful to reach out to the AAPM group responsible for this Lexicon: https://www.aapm.org/org/structure/?committee_code=WGCTNP

→Action Item: Adam offered to help coordinate with the Chair of the AAPM group (Mark Supanich) to have that group review our list to help generalize it because he is a member of that group as well.

4. New CP: "Table C.11.1.1.2.1-1. Recommended Rescale Type Assignments for Multi-energy CT Image" inconsistent

→Submitted to WG6 (B. Nolte), see also CP status above. ID pending. This item is now closed and can be removed from agenda/added to the chart for tracking.

5. New CP to be initially discussed: "Correct/add Body Part Examined defined terms in correspondence table L-1", see Meeting folder

→Till shared a new CP from Siemens with the group for their feedback. Kevin suggested to send an email to David to ask if the three items are a valid thing to do.

6. **Image Type for MultiEnergy Enhanced CT images - CP from Steve Nichols**
   → Steve asked for feedback from the group on his CP.

7. **Dose Management: Patient Protocol (Black Image) vs. RDSR**
   →The group discussed Kevin's draft Dose Display CP for IHE Rad which describes the "Summary Display Option" and the "EMR Extract Option". Call participants provided a lot of feedback from the group. There is an IHE meeting in April where Kevin will bring this up then report back to WG-21.

8. **WG-06 requested WG-21 to review technical content of HL7 imaging procedure radiation exposure project**
   https://confluence.hl7.org/display/IMIN/Radiation+Dose+Summary+for+Diagnostic+Procedures+on+FHIR
   →This will be incorporated based on what we come up with for item 7 (Dose Management: Patient Protocol (Black Image) vs. RDSR). Kevin noted that AAPM prepared a comment letter on this item which he took to FHIR. He is trying to set up a call with them to engage further. Steve is going to check in with GE Healthcare as well.

9. **CT IOD for standing imaging from Dan Farber**
   →Dan needs to step back from this CP so the group decided to remove this from the agenda for now.

10. **Old Business**
    →New CP by Siemens CT: "Extend Table E.3.10-1. Safe Private Attributes" – on standby while Siemens consolidates.
    →Dose metrics display in fluoroscopy – on standby

11. **Upcoming meetings:**
    →WG-21 usually meets the 3rd Wednesday of each month from 12-1pm US Eastern. The next call is scheduled to take place on **March 16, 2022 from 12:00-1:30pm US Eastern.**

12. **Adjournment**
    →The call was adjourned at 1:21pm US Eastern Time.

Prepared and submitted by Shayna Knazik
Reviewed by Counsel 3/14/22