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MINUTES

WORKING GROUP TWENTY-ONE (Computed Tomography)

Version 1

Date & Time: Wednesday, August 10, 2022
1:00-2:30pm US Eastern Time

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/Mayo Clinic	Shuai Leng
AAPM	Kai Yang
Canon	Kevin O'Donnell
DICOM/MITA	Shayna Knazik
GE Healthcare	Steve Nichols
Johns Hopkins University	M. Mahesh
Philips	Shlomo Gotman
Siemens Healthineers	Till Hoenig

Voting Members Not Present:	**Represented by:**
*ACR	Paul Armstrong Hill
*PixelMed Publishing	David Clunie
United Imaging Healthcare	Adam Chandler

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

Observers Present:	**Represented by:**
AAPM	Nick Bevins
Elekta	Jim Percy, Guest from WG-07

1. Opening

1.1. The teleconference was called to order and a quorum was present.
1.2. DICOM antitrust and patent guidelines were reviewed.
1.3. The agenda was reviewed and approved.

1.4. The minutes from 29 June 2022 were reviewed and approved.

2. WG-21 Correction Proposals (CPs) Status

CP#	Submission Date	Submitter	Affects DICOM Parts	Assignee	Status	Description	Coded status
1915	2019-02-16	Hoenig	Part 3	Nolte	Suspended	Adapt definition of FocalSpot (0018,1190) to comply with IEC60336 section 8.3	n/a
<New>		Hoenig	Parts 3/16		New	Publicly document and specify vendor specific CT Image Quality Reference Parameter as a SQ	
2189	2021-10-26	Nichols	Parts 3 and 17	Nichols	Assigned	Add Multi-Energy Image type attribute to the Enhanced CT Image Storage SOP Class	Sept 2022 Voting Packet
2208	2022-01-06	Nichols	Part 16	Nichols	Assigned	Include additional cardiovascular terms to Part 16	Sept 2022 Voting Packet
2209	2022-01-20	Hoenig	Part 3	Nolte	New / submitted to WG-06	Correct Table C.11.1.1.2.1-1 Recommended Rescale Type Assignments for Multi-energy CT Image	Sept 2022 Voting Packet
2232	2022-03-21	Hoenig	Part 16	Nolte	New	Correct/add Body Part Examined Defined Terms in correspondence Table L-1	Sept 2022 Voting Packet
2233	2022-03-21	Hoenig	Part 16	Nolte	New	Switch to SNOMED Code for PHANTOM	Sept 2022 Voting Packet

3. Differentiate geometric types of CT imaging sources – CP-2220 from WG-07, see Meeting folder

3.1. David Clunie requested that WG-02 and WG-21 weigh in on this CP and let him know if it is sufficient to describe the detectors. Jim Percy was not able to make this call, so will provide an update on his incorporation of WG-21 feedback from the June teleconference but he was not able to join the call today.

3.2. Action: Shayna will invite Jim to the next call.

4. Content Time and Acquisition Time clarification – Shlomo Gotman/Wim Corbijn

4.1. The group will continue to clarify the definitions of Content Time (0008,0033) and Acquisition Time (0008,0032) which are currently ambiguous, and decide on next steps taking CP-1749 into account.

4.2. Action: Shlomo will create a use case spreadsheet for vendors to complete so the group can compare the points of views.

4.3. Action: Shayna will invite Wim to our next call.

5. **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
   5.1. The group discussed Shuai's parameter consolidation and the data he has been able to acquire. More data is needed so Shuai will reach out to Canon and United Imaging.
   5.2. Action: Shayna will send Shuai Adam Chandler's email address.
   5.3. Action: Shuai will reach out to United Imaging and Canon.

6. **Dose Management: Patient Protocol (Black Image) vs. RDSR**
   6.1. Did not discuss.

7. **WG-06 requested WG-21 to review technical content of HL7 imaging procedure radiation exposure project**
   7.1. Did not discuss.

8. **Old/New Business**
   8.1. The group discussed the possibility of an in-person meeting for 2022 or 2023 and determined that 2022 is too soon for a meeting, but SIIM and ECR will be considered for 2023. WG-02/28 is meeting after ECR, so maybe before ~February 27-28, 2023.
   8.2. 4D imaging representation in classic IODs from WG-07 Radiotherapy – WG-07 will let us know when it is ready to be discussed again in WG-21.

9. **Upcoming meetings**
   9.1. WG-21 usually meets the 3rd Wednesday of each month at 12:00pm US Eastern. However, since the July tcon was moved to August 10th, the group will determined that September 30th from 12-1pm will work for the next call.

10. **Adjournment**
    10.1. The call was adjourned at 2:28pm US Eastern Time.

Prepared and submitted by Shayna Knazik
Legal Bezalel Stern 1-23-23