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MINUTES

WORKING GROUP TWENTY-ONE (Computed Tomography)

Version 1

Date & Time: Friday, September 30, 2022
12:00-1:00pm 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
Siemens Healthineers	Till Hoenig

Voting Members Not Present:	**Represented by:**
*ACR	Paul Armstrong Hill
Johns Hopkins University	M. Mahesh
Philips	Shlomo Gotman
*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
AAPM	Yulong Yan

Opening

1.1. The teleconference was called to order at 12:03pm and a quorum was not present so the minutes from August 10, 2022 will be reviewed at a later time.

1.2. DICOM antitrust and patent guidelines were reviewed.

2. WG-21 Correction Proposals (CPs) Status

CP#	Submission Date	Submitter	Affects DICOM Parts	Assignee	Status	Description
1915	2019-02-16	Hoenig	Part 3	Nolte	Suspended	Adapt definition of FocalSpot (0018,1190) to comply with IEC60336 section 8.3
<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	CPack-118	Add Multi-Energy Image type attribute to the Enhanced CT Image Storage SOP Class
2208	2022-01-06	Nichols	Part 16	Nichols	CPack-118	Include additional cardiovascular terms to Part 16
2209	2022-01-20	Hoenig	Part 3	Nolte	CPack-118	Correct Table C.11.1.1.2.1-1 Recommended Rescale Type Assignments for Multi-energy CT Image
2232	2022-03-21	Hoenig	Part 16	Nolte	CPack-118	Correct/add Body Part Examined Defined Terms in correspondence Table L-1
2233	2022-03-21	Hoenig	Part 16	Nolte	CPack-118	Switch to SNOMED Code for PHANTOM

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

3.1. David Clunie requested that WG-02 and WG-21 weigh in on this CP and let us know if it is okay and sufficient to describe the detectors. Yulong Yan, original author of this CP, joined the call to discuss. The group did not agree with the current approach, so Yulong will take it back to WG-07 to figure out a better solution.

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

4.1. The group continued to clarify the definitions of Content Time (0008,0033) and Acquisition Time (0008,0032) which are currently ambiguous, and discussed the next steps on taking CP-1749 into account. The usage of acquisition time will continue to be further clarified.

4.2. Action: Kevin O'Donnell to update CP text based on discussions.

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",

5.1. Did not discuss.

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**
   https://confluence.hl7.org/display/IMIN/Radiation+Dose+Summary+for+Diagnostic+Procedures+on+FHIR
   7.1. Did not discuss.

8. **FTP server content review: moved to the next agenda**
   8.1. Reminder on how to access files on the FTP
   8.2. Where to access the roster

9. **Old/New Business**
   9.1. The group will discuss if it is possible to hold an in-person meeting for 2023: next call
   9.2. 4D imaging representation in classic IODs from WG-07 Radiotherapy – this remains dormant until WG-07 lets us know when it is ready to be discussed again.

10. **Upcoming meetings:**
    10.1. WG-21 meets the 3rd Wednesday of each month at 12:00pm US Eastern. The next call will take place on October 19, 2022 from 12:00-1:30pm US Eastern.

11. **Adjournment**
    11.1. The call was adjourned at 1:04pm US Eastern.

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