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MINUTES

WORKING GROUP TWENTY-ONE (Computed Tomography)

Version 1

Date & Time: Wednesday, October 19, 2022
12:00-1:30pm 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
PACSHealth	Colby Dillion
Samsung NeuroLogica	Ibrahim Bechwati
Varian	Kari Jyrkkälä

Opening

1.1. The meeting was called to order and a quorum was present.
1.2. Reviewed DICOM antitrust and patent guidelines.
1.3. Agenda was reviewed and approved.
1.4. The minutes from 30 September 2022 were reviewed and approved.

2. FTP server content review

2.1. Shayna Knazik provided a reminder on how to access files on the FTP, where to access the roster, and how to navigate between the private and public sides of the FTP.

3. WG-21 Correction Proposals (CPs) Status

CP#	Submission Date	Submitter	Affects DICOM Parts	Assignee	Status	Description
1749		O'Donnell		O'Donnell	Assigned	Clarify usage of Content Time
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

4. Further enhancements of Multi-energy Material Unit

4.1. Kari Jyrkkälä, guest from WG-07 and representative of Varian, led the group through a first reading of a new CP and requested for comments. The group discussed the draft CP and Kevin O'Donnell felt there was enough content for WG-06.

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

5.1. The group continued to clarify the definitions of Content Time (0008,0033) and Acquisition Time (0008,0032) which are currently ambiguous, and decide on next steps. Kevin O'Donnell's updated CP-1749 was reviewed and discussed. He will post the version after today's call to the FTP in case anyone would like to provide additional feedback.

6. **Additional public attribute for CT images, addressing the context "(User selectable) parameter that determines the tube current time product relevant for the image quality"**
   6.1. Did not have time to discuss.

7. **Dose Management: Patient Protocol (Black Image) vs. RDSR**
   7.1. Did not have time to discuss.

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
   8.1. Did not have time to discuss.

9. **Old/New Business**
   9.1. The group will discuss if it is possible to hold an in-person meeting for 2023: did not have time to discuss.
   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:**
    →WG-21 usually meets the 3rd Wednesday of each month at 12:00pm US Eastern. The next call would take place on November 16, 2022, but the WG-06 meeting is that week. The group determined that the week after, November 23, will be the best alternate time and that a 90-minute call is needed.

11. **Adjournment**
    →The call was adjourned at 1:27pm US Eastern Time.

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