MINUTES

DICOM WORKING GROUP FOUR (Compression)

Date and time: Wednesday, November 18th, 2020
10:00-11:00am US ET

Presiding Officer: David Clunie, Chair

Secretariat: Shayna Knazik, DICOM/MITA

Voting Members Present
AetherAI Pei-Chen Lin
DICOM/MITA Shayna Knazik
PixelMed David Clunie
Philips Nick Haarselhorst

Voting Members Not Present
*Agfa US Corp Jos De Baerdemaeker
Agfa US Corp Bill Wallace
Carl Zeiss Meditec AG Régis Deshayes
*Corista, LLC Eric Wirch
*DesAcc EMEA Ltd Graham King
*GE Healthcare Yongjian Bao
*Korean PACS Standards Committee Hee-Joung Kim
*Neagen Rami Hietala
*Sectra Imaging IT Solutions AB Erik Edespong
*University of Warwick Victor Sanchez

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

Others (Observers, Alt-voting, staff) Present
AAPM/University of Arkansas Medical Larry Tarbox, Observer
AetherAI Chia-Pin Kang, Observer
Change Healthcare Jean-Francois Pambrun, Observer
DICOM/MITA Carolyn Hull, Alt. Voting
PACSnet Dewinder Bhachu, Observer
1. Administrative
   - Welcome and roll call: the teleconference was called to order and a quorum was present.
   - Antitrust and patent rules: reviewed.
   - Agenda: reviewed and approved.
   - Approval of minutes from 2020-11-04: reviewed and approved.

2. Multi-frame ultrasound compression needs – presentation by Chris O’Donnell of Siemens Healthineers
   - Chris O’Donnell provided an overview of multi-frame ultrasound compression needs. JPEG-XL in particular was reviewed. Although Chris was initially excited about JPEG-XL’s potential, he concluded that it is not likely to be reasonably useful. The document he presented will be uploaded to the FTP meeting folder for review.
   - ftp://d9-workgrps@medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/WG04/2020/2020-11-18/jpegxl_us_comparison.docx

3. ISO JPEG group on their Pleno (plenoptic) point cloud encoding scheme
   - David reported that he reached out to WG-24 asking if they have any interest in participating. If he doesn’t hear back, David will respond to ISO’s request accordingly. Please reach out to David if you are interested in participating in this project.
     - http://jpeg.org/jpegpleno/
     - http://plenodb.jpeg.org/
   - Note that DICOM does support point cloud objects in theory:
     - http://dicom.nema.org/medical/dicom/current/output/chtml/part03/sect_C.27.5.html

4. Work Item 2010-12-A on JPEG XR Transfer Syntax—still active?
   - The group discussed whether WG-04 needs to pursue this old Work Item. Since JPEG XR has not been adopted, this Work Item should be cancelled.
     - Action: Shayna will let Bjorn know that this Work Item can be cancelled.

5. Upcoming calls
   - The group decided to move to monthly teleconferences instead of the current biweekly schedule. In 2021, WG-04 will hold monthly calls on the first Wednesday of each month from 10-11am US ET.
   - To avoid the holiday season, the next WG-04 call is scheduled for:
     - January 6th, 2021

   - FYI: Other relevant DICOM meetings
     - DICOM Standard Committee (DSC): December 4, 2020 @ 9am-1pm US ET
     - WG-06 Base Standard: January 11-15, 2021
6. **Adjournment:** the call was adjourned early at 10:45am US ET.

Prepared and submitted by Shayna Knazik

Reviewed by Counsel 1-29-21

- Dial-in information for all DICOM calls can be accessed in the [DICOM Calendar](#)