

## **MINUTES**

### **DICOM WORKING GROUP FOUR (Compression)**

**Date and time:** Wednesday, November 18<sup>th</sup>, 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

Philips  
Self  
Self  
Siemens Healthineers

René van der Vleuten, Alt. Voting  
Chris Hafey, Observer  
Paul Speidel, Observer  
Chris O'Donnell, 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](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\\_A.69.html](http://dicom.nema.org/medical/dicom/current/output/chtml/part03/sect_A.69.html)
  - [http://dicom.nema.org/medical/dicom/current/output/chtml/part03/sect\\_C.27.5.html](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 6<sup>th</sup>, 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](#)

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

**6. Adjournment:** the call was adjourned early at 10:45am US ET.

Prepared and submitted by Shayna Knazik

Reviewed by Counsel 1-29-21