

## **MINUTES**

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

**Date and time:** Wednesday, January 6, 2021  
10:00-11:00am US ET

**Presiding Officer:** David Clunie, Chair

**Secretariat:** Shayna Knazik, DICOM/MITA

#### **Voting Members Present**

Carl Zeiss Meditec AG	Régis Deshayes
DICOM/MITA	Shayna Knazik
PixelMed	David Clunie
Philips	Nick Haarselhorst

#### **Voting Members Not Present**

AetherAI	Pei-Chen Lin
*Agfa US Corp	Jos De Baerdemaeker
*Agfa US Corp	Bill Wallace
*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**

AetherAI	Chia-Pin Kang, Observer
Apteryx Imaging	Hervé Guillemet, Observer
Change Healthcare	Jean-Francois Pambrun, Observer
Cloudinary	Jon Sneyers, Observer
DesAcc EMEA Ltd.	Konstantinos Alexopoulos, Observer

Philips  
Roche Tissue Diagnostics  
Self  
Self  
vICTor Works

René van der Vleuten, Alt. Voting  
Uwe Horchner, Observer  
Chris Hafey, Observer  
Luca Versari, Observer  
Victor Derks, 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 2020-11-18: reviewed and approved.

## 2. Use cases and problems to solve

- Chris Hafey mentioned that it would be great to be able to have fast, progressive access to images from web browsers for viewing, and for AI when only low resolution images are needed.
- David Clunie brought up that if there is a need for only low resolution images for AI, there isn't currently a DICOMweb API for requesting those (as opposed to JPIP).
- Jean-Francois Pambrun described using range requests, based on index information stored in private data elements.
- Concluded that it would be very helpful to have a document on various options (like range request for J2K and HT-J2K) such as a white paper, for single as well as multi-slice and tiled images.
  - **Action:** Chris Hafey will coordinate a draft of a white paper with a focus on use cases for which progressive access may be useful.
- Jon Sneyers described the current status of JPEG-XL, which is nearing FDIS stage; the bitstream is finalized and the reference implementation source code is open source and publicly available.
- David asked the group to consider writing a white paper on the medical use cases of JPEG-XL.
- Media Type image/jpeg returned by DICOMweb Retrieve and RetrieveRendered is supposed to be JFIF, and is not supposed to include RGB rather than YCbCr components. This issue will be considered by WG-26 and WG-27.

## 3. Upcoming calls

- WG-04 holds monthly calls on the first Wednesday of each month from 10-11am US ET. The next WG-04 calls will take place on:
  - February 3, 2021
  - March 3, 2021
  - April 7, 2021
- FYI: Other relevant DICOM meetings
  - DICOM Standard Committee (DSC): *TBD*
  - WG-06 Base Standard: [January 11-15, 2021](#)
  - *Dial-in information for all DICOM calls can be accessed in the [DICOM Calendar](#)*

## 4. Adjournment: the call was adjourned early at 10:39am US ET.

Prepared and submitted by Shayna Knazik

Reviewed by Counsel 2/3/2021