

## **MINUTES**

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

**Date and time:** Wednesday, September 6, 2023  
10:00-11:00am US Eastern

**Presiding Officer:** David Clunie, Chair

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

#### **Voting Members Present**

AWS	Chris Hafey
DICOM/MITA	Shayna Knazik
PixelMed	David Clunie
Radical Imaging	Bill Wallace

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

*aetherAI	Pei-Chen Lin
*Carl Zeiss Meditec	Detlev Hohmeier
*Fairhaven Technology	Rob Horn
*Korean PACS Standards Committee	Hee-Joung Kim
Philips	René van der Vleuten

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

#### **Others (Observers, Alt-voting, staff) Present**

Cloudinary	Jon Sneyers
Durham Company	Jonathan Chastain
Roche Tissue Diagnostics	Uwe Horchner
Vanderbilt University	Bilal Mohammed

#### **1. Administrative**

- The meeting was called to order and a quorum was present
- Staff reminded members of the Guidelines for Conducting NEMA Meetings and DICOM Patent Disclosure Policy: <https://www.dicomstandard.org/patent>

- Agenda was reviewed and approved
- Minutes were reviewed and approved (August 9, 2023)

## 2. Single bit segmentation compression for large objects such as WSI

- David Clunie is preparing a New Work Item Proposal for a new compression transfer syntax. He is planning on submitting it to the DICOM Standard Committee at their October meeting in Chennai, India. He will circulate the NWIP to the group via email.
- **Item for the next agenda:** Consider an Informative Annex for Part 17 related to compression and performance in web services especially metadata

## 3. Consideration of other non-image specific compression schemes:

- LZ4
- Bzip2
- LZMA
- BROTLI
- The group considered other non-image specific compression schemes because their improvements would be modest. The group decided that there is not enough data at this time to pursue these items.
- **Action item:** Bill and David will work to define the use cases including floating point data for RTSS, bulk microscopy annotations, and Pathology ICC, and gather data sets for experiments.

## 4. Old/New Business

- Ready for the next agenda: Supplement 232: JPEG-XL Transfer Syntax (Bill Wallace). This has been put on hold for 6 months to determine whether adoption will happen. The group will revisit around October 2023.

## 5. Upcoming calls

- WG-04 holds monthly calls on the first Wednesday of each month from 10-11am US Eastern. The next WG-04 call would fall on October 4, 2023 which has a conflict. The group determined the alternate date of September 27<sup>th</sup>.

## 6. Adjournment

- The call was adjourned at 10:59am US EDT.