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## **MINUTES**

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

**Date and time:** Wednesday, February 14, 2024  
10:30-11:30am US Eastern

**Presiding Officer:** David Clunie, Chair

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

#### **Voting Members Present**

AWS	Chris Hafey
DICOM	Shayna Knazik
Philips	René van der Vleuten
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

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

#### **Others Present:**

AAPM/Univ. of Arkansas for Medical Sciences	Lawrence Tarbox
AWS	Jaron Nix
GE HealthCare	Hervé Hoehn
GE HealthCare	Steve Nichols
Google	Kenneth Philbrick
Google	Alexander Sasha Sicular
imassense Deutschland	Ralf Zwönitzer
Leica	Ty Usrey
Mayo Clinic	Nicholas Charboneau
Mayo Clinic	Andrew Norgan

Pramana  
Roche Tissue  
Siemens Healthineers  
Spectral Insights

Abhishek Garhia  
Uwe Horchner  
Alessandro Noriaki Ide  
Prasanth Perugupalli

## 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>
- The agenda was reviewed and approved.
- The minutes from December 6, 2023 and January 3, 2024 were reviewed and approved.

## 2. Supplement 232: JPEG-XL Transfer Syntax (Bill Wallace)

- WG-26 Pathology was invited to the call to discuss Whole Slide Imaging and JPEG-XL.
- David Clunie provided background on JPEG-XL in DICOM. Call participants shared their experience with JPEG-XL compression.
- Bill Wallace shared the current state of Supplement 232. Shayna is going to try to get time on the March WG-06 agenda to present Sup232.

## 3. Supplement 244: Frame Deflate Transfer Syntax (David Clunie)

- David Clunie presented the supplement for a First Read at the January WG-06 meeting. It was assigned the number 244. There was nothing for WG-04 to discuss today but Shayna will keep this on the agenda for the April call.

## 4. Old/New Business

- Standing items for consideration of other non-image specific compression schemes:
  1. LZ4
  2. Bzip2
  3. LZMA
  4. BROTLI
  5. **Pending action:** 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.

## 5. Old/New Business

## 6. Upcoming calls

- WG-04 holds monthly calls on the first Wednesday of each month from 10:30-11:30am US Eastern. The next call is scheduled for March 6, 2024 which conflicts with travel home from the DSC meeting, so the group decided to move the call to March 13, 2024.

## 7. Adjournment

- The teleconference was adjourned at 11:32am US EST.