

MINUTES

DICOM WORKING GROUP FOUR (Compression)

Date and time: Wednesday, April 3, 2024
10:30-11:30am US Eastern

Presiding Officer: David Clunie, Chair

Secretariat: Shayna Knazik, NEMA/MITA

Voting Members Present

AWS	Chris Hafey
NEMA/MITA	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
GE HealthCare	Steve Nichols
NEMA/MITA	Eileen Cucinotta

1. Administrative

- The meeting was called to order at 9:03am Eastern.
- Staff reminded members of the Guidelines for Conducting NEMA Meetings and DICOM Patent Disclosure Policy: <https://www.dicomstandard.org/patent>
- The agenda will be reviewed and approved.

- The minutes from March 13, 2024 were reviewed and approved.

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

- The group reviewed the current status of Supplement 232 and discussed WG-06 feedback.

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

- The group reviewed the current status of Supplement 244 and discussed WG-06 feedback.

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.
- Audio compression schemes: operative notes, etc.
- <https://jpegxl.info/>
- <https://github.com/dicom-codecs/dicom-codecs>
- 16 bits allocated / 8 bits stored color images
- Secondary Capture
- **Item for the next agenda:** Updating reference compressed DICOM images for the FTP server

5. Upcoming calls

- WG-04 holds monthly calls on the first Wednesday of each month from 10:30-11:30am US Eastern, with the next call scheduled for May 1, 2024. However, there was a conflict with the May 1 date and the group rescheduled it to May 22, 2024.

6. Adjournment

- The call was adjourned at 11:05am Eastern.