

MINUTES

DICOM WORKING GROUP FOUR (Compression)

Date and time: Wednesday, May 3, 2023
10:00-11:00am US Eastern

Presiding Officer: David Clunie, Chair

Secretariat: Shayna Knazik, DICOM/MITA

Voting Members Present

DICOM/MITA	Shayna Knazik
Fairhaven Technology	Rob Horn
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
*Korean PACS Standards Committee	Hee-Joung Kim

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

Others (Observers, Alt-voting, staff) Present

Amazon Web Services	Chris Hafey, Observer
Roche Tissue Diagnostics	Uwe Horchner
vICTor Works	Victor Derks

1. Administrative

- The meeting was called to order
- 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 (April 5, 2023)

2. Supplement 235: HTJ2K Transfer Syntax (Bill Wallace & Chris Hafey)

- Supplement 235: HTJ2K Transfer Syntax was circulated for Public Comment with a deadline of May 11, 2023. The group reviewed comments received by Victor Derks. Any other comments received will be reviewed on the next call, prior to the June WG-06 meeting.

3. Single bit segmentation compression for large objects such as WSI

- David Clunie noted a need for single bit compression of segmentation images (which are usually single bit), only JPEG 2000 Reversible, and possibly RLE, transfer syntaxes (TS) support such compression. The current Deflate TS is inapplicable for multi-frame images when individual frame access is required. WG-04 will keep this on the agenda for the next few months until we decide what, if anything, to do with it.

4. Old & New Business

- Chris Hafey shared an overview of Amazon's HealthLake which uses DICOM Part 10 and transcodes to HTJ2K.
- 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 June 7, 2023, however there is a conflict with the WG-07 in-person meeting. The group decided on the alternate date of May 24, 2023.

6. Adjournment

- The call was adjourned at 10:43am US EDT.