

MINUTES

DICOM WORKING GROUP FOUR (Compression)

Date and time: Wednesday, April 6, 2022
10:00-11:00am US ET

Presiding Officer: David Clunie, Chair

Secretariat: Shayna Knazik, DICOM/MITA

Voting Members Present

DICOM/MITA	Shayna Knazik
Philips	René van der Vleuten, Alt. Voting
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
*Philips	Nick Haarselhorst

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

Others (Observers, Alt-voting, staff) Present

AAPM/University of Arkansas for Medical Sciences	Lawrence Tarbox, Observer
aetherAI	Chia-Pin Kang, Observer
Amazon Web Services	Chris Hafey, Observer
Apteryx Imaging	Hervé Guillemet, Observer
vICTor Works	Victor Derks, Observer

1. Administrative

- The WG-04 monthly teleconference was called to order and a quorum was present.
- DICOM antitrust and patent rules were reviewed.
- The agenda was reviewed and approved.

- The minutes from 2022-03-02 teleconference were reviewed and approved.

2. JPEG AI (David Clunie)

- WG-04 will continue to track the ISO/JTC WG-1 JPEG AI group effort. Their goal is to allow for a range of different compression techniques, limited to 8- and 10- bit depths. At this point, there is nothing particularly relevant to WG-04.
- Move to old/new business for now.

3. Work Item 2010-12-A JPEG XR Transfer Syntax (David Clunie)

- There are no updates from Microsoft at this time. WG-04 will continue to track this as it might be relevant to compression floating point data.

4. HTJ2K Work Item Proposal (Chris Hafey)

- Chris Hafey shared the New Work Item Proposal he has prepared. David noted that references to white papers, timing, implementations, use in entertainment, and evidence of adoption should be included. He will also add info synergy with JPEG2000. Chris will make these updates and submit the proposal for the upcoming DSC meeting.
- *Bill made a motion to present this work item as amended to the DSC and Chris Hafey seconded. Motion approved.*

5. JPEG-XL Supplement (Bill Wallace)

- Bill shared the draft supplement and reviewed the open and closed issues. David provided feedback which Bill will incorporate before the next call. Bill will also put together a PowerPoint which WG-04 will review on the next call.
- **Action:** Shayna will work with Bjorn to secure a First Read 2-hour slot at the June WG-06 meeting.

6. Supplement 225: Multi-Fragment Video Transfer Syntax (Bill Wallace)

- Sup225 was approved as amended for Final Text at the WG-06 March Meeting. Congratulations!
- This can be removed from the agenda.

7. Old/New Business

- iSyntax (Nick Haarselhorst)
- Chris Hafey would like to discuss DICOM codecs on the next call
<https://github.com/dicom-codecs/dicom-codecs>
 - **Action:** Shayna to include on next agenda “discussion of JPEG lossless codecs”

8. Upcoming calls

- WG-04 holds monthly calls on the first Wednesday of each month from 10-11am US ET. The next WG-04 call is scheduled for May 4, 2022. Group confirmed that this date works.

9. Adjournment

- The call was adjourned at 11:01am US Eastern Time.

Prepared and submitted by Shayna Knazik
Reviewed by Counsel 5/18/22