

MINUTES

DICOM WORKING GROUP FOUR (Compression)

Date and time: Wednesday, March 2, 2022
10:00-11:00am US ET

Presiding Officer: David Clunie, Chair

Secretariat: Shayna Knazik, DICOM/MITA

Voting Members Present

Carl Zeiss Meditec	Detlev Hohmeier
DICOM/MITA	Shayna Knazik
Philips	René van der Vleuten, Alt. Voting
Radical Imaging	Bill Wallace

Voting Members Not Present

*AetherAI	Pei-Chen Lin
*Korean PACS Standards Committee	Hee-Joung Kim
*Philips	Nick Haarselhorst
PixelMed	David Clunie

*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
Amazon Web Services	Chris Hafey, Observer
FDA	Wei-Chung Cheng, Observer
GE Healthcare	Steven Nichols, Observer
Google	Luca Versari, Observer
Roche Tissue Diagnostics	Uwe Horchner, 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.

2. JPEG-XL and HTJ2K update (Chris Hafey)

- Chris Hafey provided an update on JPEG-XL and HTJ2K. In summary, his data shows that HTJ2K today offers over 2x greater performance today versus JPEG-XL, so he proposed to move forward with the HTJ2K Work Item Proposal.
- Next steps include:
 - Resolve native build numbers of libjxl
 - Luca code review of libjxljs code
 - Get estimates on future OpenJPH performance
 - Merge WIP Build changes into libjxl main
 - Collect performance measurements on different environments
 - Continue optimizing libjxl and OpenJPH
 - Include timing calculations for volumetric loading with HTJ2K in work item with multiple web workers (cores/threads)
 - Include calculations related to clinical TTFI expectations (<1 second)

https://docs.google.com/document/d/1gS3cc7p00M3_Ub-0AC7shm16H_FCC2lyxqE2TCjpzUI/edit

- Action: Shayna will add “HTJ2K Work Item Proposal” to the next agenda.

3. JPEG-XL Supplement (Bill Wallace)

- Bill led the group through a review of the Supplement draft. He brought several questions from the last WG-04 call back to WG-27 for feedback and captured the consensus in the Open Issues section. He reviewed a few other additions to the document.
- Action: Shayna will reserve a slot on the WG-06 June meeting agenda.

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

- The group did not discuss because David was unable to make this call. Shayna reported that Sup225 will either have a separate teleconference before the March WG-06 meeting, or will have one hour at that meeting to get this approved for Final Text.

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

- David was not able to attend this call so this item was not discussed. Shayna will add it to the April agenda.

6. JPEG AI (David Clunie)

- Not discussed but added to the April agenda.

7. Old/New Business

- iSyntax (Nick Haarselhorst): no updates for the group at this time.

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 will take place on April 6, 2022.

9. Adjournment

- The call was adjourned early at 10:39am US EST.

Prepared and submitted by Shayna Knazik

Reviewed by Counsel 4/18/22