

Minutes

DICOM Standard Committee (DSC)

Online

Date and Time Tuesday, April 19, 2022, 9:00AM-3:00PM US Eastern Time

Location

Presiding Officers: Brad Genereaux, NVIDIA, Producer Co-Chair
 Lawrence Tarbox, University of Arkansas, User Co-Chair

DICOM Secretariat Carolyn Hull, MITA
 Shayna Knazik, MITA

Voting Members Present	AAPM AAPM/Univ. of Arkansas for Medical Sciences Agfa HealthCare Inc. American Academy of Oral and Maxillofacial Radiology (AAOMR) American College of Radiology Canon Medical Systems Corporation Canon Medical Systems USA, Inc. Carl Zeiss Meditec AG Elekta Inc. European Society of Radiology (ESR) Hologic Inc. JAHIS JSRT Medical Image Standards Association of Taiwan NVIDIA Philips PixelMed Publishing Sectra Imaging IT Solutions AB Stony Brook Medicine	Bevins, Nicholas Tarbox, Lawrence Seifert, Paul Farman, Allan Bialecki, Brian Nakano, Shinichi O'Donnell, Kevin Hohmeier, Detlev Percy, Jim Mildenberger, Peter Keyes, Janet Jahis, Murata Sakamoto, Hiroshi Lien, Chung-Yueh Genereaux, Brad Medema, Jeroen Clunie, David Valtonen, Krister Saltz, Joel
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VISUS Health IT GmbH Kaemmerer, Marc

Voting Members Not Present

Accuray	Pekarek, Bob
American Association of Orthodontists	Simmons, Kirt
American College of Radiology	Carrino, John
American College of Radiology	Treml, Chris
American College of Veterinary Radiology 2	Hornof, William
b<>com	Deschanel, Muriel
Brainlab AG	Schadt, Christof
Brazil National Institute of Science & Technology for Digital Convergence	Savaris, Alexandre
Brazilian College of Radiology	Monteiro, Alexandra
Canada Health Infoway	Harper, Joan
Canada Health Infoway	Kachroo, Smita
Cancer Imaging Program, NCI	Farahani, Keyvan
CAP	Schap, Kevin
Carestream Health, Inc.	Foos, David
China Institute for Medical Imaging & Communication Stds.(CIMICS)	Qu, Jianming
Deutsche Ophthalmologische Gesellschaft	Eter, Nicole
Deutsche Röntgengesellschaft	Kotter, Elmar
Dicom Systems, Inc.	Tochilnik, Dmitriy
European Federation of Organizations for Medical Physics (EFOMP)	Trianni, Annalisa
FDA	Krainak, Daniel
FUJIFILM Corporation	Murata, Masao
GE Healthcare	Nichols, Steven
India Centre for Development of Advanced Computing (CDAC)	Kooner, Navdeep
Konica Minolta Healthcare Americas, Inc.	Laconti, Michael
Korean PACS Standards Committee	Kim, Hee-Joung
Laitek Inc.	Behlen, Fred
Leica Biosystems Inc.	Desire, Jean
LOINC	Vreeman, Daniel
Merge Healthcare an IBM Company	Cowan, Ronald
Ministry of Health	Eid, Monief
MITA	Hope, Patrick
National Health Service	Sayers, Craig
Pall Corporation	Burke, Julian
Radiological Society of North America	Carr, Chris
Seno Medical Instruments Inc.	Clingman, Bryan
Siemens Healthineers	Nolte, Björn
Society for Imaging Informatics in Medicine	Carey, Cheryl
Sony Imaging Products & Solutions Inc.	Kobayashi, Michitada
Spanish Health Informatics Society	Garcia Rojo, Marcial
SuperSonic Imagine	Souquet, Jacques
University of Utah	Bray, Bruce
University of Verona, Italy	Menegaz, Gloria

Observers, Alt-Voting, Others Present	Amazon Web Services Fairhaven Technology GE Healthcare Healthcare Tech Solutions Laitek Inc. Medical University of South Carolina Retired DICOM General Secretary Siemens Healthineers SIIM University of Maryland	Hafey, Chris Horn, Robert Lindop, Chris Eklund, Keith Solomon, Harry Halford, Jonathan Vastagh, Stephen Rajamani, Srividya Bishop, Matt Casertano, Andrew
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1.1 Opening

1.1.1 **Open, welcome and roll call.** The meeting was opened and roll call taken.

1.2 **Review of antitrust and patent rules-** The meeting was called to order. Attendees were reminded of the [Guidelines for Conducting NEMA Meetings](#) and Patent Disclosure Policy, which may be found here: <https://www.dicomstandard.org/patent>.

1.3 **Agenda review and approval**—The agenda was reviewed and approved.

1.4 **Review of minutes from December meeting for review and approval.**

1.5 Action items review-

1.5.1 **Action:** Set up a meeting with Debra Phillips in January with DICOM ExComm.

1.5.2 **Action:** Outreach for DSC membership-- share list of potential members with the ExComm. Perhaps add in newer devices.

1.5.3 **Action:** Circulate CP to abbreviate the time for letter ballot voting to at least 35 days and may be longer at the discretion of WG-6. Post this for the next one.

1.5.4 **Action:** WG Chairs: If your group is active, please send an update to Carolyn Hull or add it to the FTP: <ftp://d9-workgrps@medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/Committee/2021/2021-12-02/Working-Group-Activity-Reports> (may require an FTP application, such as WinSCP)

1.5.5 **Action:** We will send a survey on abbreviating the public comment period to at least 35 days asking whether this will be sufficient time. Survey to be send to public comment list/DICOM stakeholders. The idea would be that for shorter, more straightforward items, 35 days is sufficient. WG-6 would have discretion to add additional days for longer, more complicated items.

1.5.6 **Action:** Executive Committee to review-next DSC. Question to answer: What is a “joint product”? DICOM has not reviewed or balloted for this, e.g. Still a draft IG and will be reviewed by WG-6 in January.

1.5.7 **Action:** Add digital workshop to agenda for WG-29. Specifically discuss time zones. Pre-recorded sessions can be played back in multiple time zones.

- 1.5.8 **Action:** Carolyn Hull and Larry Tarbox to draft a response email (with Jonathan Whitby copied) and send to Karen van Hentenryck.
- 1.5.9 **Action:** Staff to reach out to ACR since Judith Wolfman is listed as a voting member and potentially update.

2. Stakeholder Reports- TBD-

- a. **CIMICS (Bryan Fan)**- See presentation
- b. **JIRA (Shinichi Nakano)**- Add to review JESRA guidance in WG-14.
- c. **SIIM (Anna Zawacki)** – See presentation.

Action: Invite Kori to meet with WG-29, perhaps formalize some of that.

3. DICOM Leadership Update- Setting up the nominating committee- at least one producer, one user, and one former DSC officer- former officer. Jeroen Medema will be Chair. User and vendor – Lawrence Tarbox- user vendor. Vendor chair- Steve Nichols will be chair.

Motion to formalize- Approved. Will meet- **Action:** Set up this.

- HL7- post the updated agreement.

4. DICOM Secretariat Update

5. New DSC Membership Applications for review and voting

- a. **Department of Computer Science, University of Verona, Italy (Gloria Menegaz)**
- b. **EHealth Deputyship, Ministry of Health, Saudi Arabia (Munif Mohammed Eid)**- Approved for membership.
- c. **AWS, TBD (Kyle Moreland)**

6. New WGs Membership Applications for review and voting- None.

Company	Name	Working Group	Org Patent on file (note if individual)	Disposition

7. New DICOM Work Group Proposals- None

8. Break – 15 minutes AM

9. New DICOM Work Item Proposals (NWIP)

Documents in this meeting’s FTP folder.

NWIP #	WG	Proposal Title	Discussion	Disposition	Author
2022-04-19A	27	Storage Commitment in DICOMweb		Approved	J. Medema

2022-04-19B	32	Waveform Display	Suggestion to keep WG-1 informed and ensure cardiac electrical waveforms are covered.	Approved	S. Winkler, J. Halford
2022-04-19C	1	Left Atrial Appendage Closure SR		Approved	S. Nichols
2022-04-19D	4	HTJ2K Transfer Syntax Support		Approved	C. Hafey, B. Wallace

10. Working Group 6 Report (Bjorn Nolte, Chair)- DICOMweb Support for Retrieve via Application Zip.

182- Sup 182 = work item 2008-04-C - Checked with 17 and 21, not interested in continuing to standardize. There were also technical challenges.

Decision to cancel/deactivate the work item.

Move to pursue no further work on work item.

This will go to cancelled.

Supp 211- Zip- Will check with another working group to see if want to take it up, e.g. 33. Defer decision on this.

Supp 193- REST notifications considered to be allowed under storage commitment.

Action for WG-27- give them a final chance to say they would like to see this work item cancelled or to say they will work on it. Specifically would this be useful for the storage commitment. Will review again in DSC.

Work items list is gone again.

11. Other Working Group Reports-

2- **Action:** Set up a call with AAPM and WG-20- WG-20/EFOMP collabo, FHIR dose record.

3- PET list mode data- a separate effort

4- New work item, regular meetings 1x/month

10- **Action:** Need to schedule a meeting. Add to agenda on new imaging modalities that need to be addressed and engaged. Microwave breast imaging. What would be good indicators?

14- No update

15- Check back with outside groups on this-see report.

16-See update on FTP.

20- is there interest in the DSC in informative information in HL7 and FHIR on ballots? No additional update. =

22- No update

26-No update.

27-No update

28- No update

29- No update

30- No update

31- No update

32-See report on FTP.

33- See report on FTP.

34- See report on FTP.

12. Old Business-

13. New Business

14. Discuss possible DSC 2022 meeting schedule

1. 2022 Upcoming DSC meetings

- a. September @ IHE Europe in Montreux (Sept. 12-16)- September 16
- b. Week after in WG-6 in Trento, Italy, WG-2/28 meeting the 14-16 (Thursday, Sept. 15-10/29 potentially)
- c. Thursday, December 1, 2022 at RSNA

ii. 2023-India potentially- one of those meetings.

15. Adjournment- 3:00PM US ET

Submitted by: Carolyn Hull, 7/19/22

Reviewed by Counsel 7/25/22