# Minutes

## MEETING NAME
WG-10 DICOM 2040/Future Discussion

## MEETING PLACE/DIAL IN
Click here to enter text.

## DATE & TIME
Tuesday, September 28, 2021, 12:00 PM - 2:00 PM EDT

## PRESIDING OFFICERS
Mayo Ken Persons
Canon Medical Systems Kevin O'Donnell

## VOTING MEMBERS
Click here to enter text.

### PRESENT
Agfa HealthCare Inc. Seifert, Paul
Canon Medical Systems USA, Inc. O'Donnell, Kevin
Fairhaven Technology Horn, Robert
GE Healthcare Nichols, Steven
Laitek Inc. Behlen, Fred
Mayo Clinic Persons, Kenneth
NVIDIA Genereaux, Brad
PixelMed Publishing Clunie, David

## OTHERS
AAPM/Univ. of Arkansas for Medical Sciences Tarbox, Lawrence Observer
American College of Radiology Carrino, John Observer
Google Klotzer, Jason Observer
Laitek Inc. Solomon, Harry Observer
Mayo Clinic Charboneau, Nick Observer
Mayo Clinic Ngokkham, Fon Observer
MITA Knazik, Shayna Observer
Rady Children’s Hospital Ryan, Justin Observer
San Diego Retired DICOM
General Secretary Vastagh, Stephen Observer
University of Utah Bray, Bruce Observer
Zeiss Philip, Anju Observer
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<tr>
<th>VOTING MEMBERS</th>
<th>American College of Radiology</th>
<th>Philbin, James</th>
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<td>ABSENT</td>
<td>American College of Radiology</td>
<td>Steinberger, Daniel</td>
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<td>American Dental Association</td>
<td>Zeller, Gregory</td>
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<td>Argentix Informatics Inc.</td>
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<td>Carl Zeiss Meditec AG</td>
<td>Deshayes, Régis</td>
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<td>Klingler, Andreas</td>
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<td>Society for Imaging Informatics in Medicine</td>
<td>Carey, Cheryl</td>
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<td>VISUS Health IT GmbH</td>
<td>Kaemmerer, Marc</td>
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**DICOM SECRETARIAT**

Carolyn Hull

1 **CALL TO ORDER AND REVIEW OF ANTI-TRUST RULES AND DICOM PATENT POLICY**

The meeting was called to order. Staff reminded members of the *Guidelines for Conducting NEMA Meetings* and Patent Disclosure Policy that are found here: [https://www.dicomstandard.org/patent](https://www.dicomstandard.org/patent).

2 **WELCOME/ATTENDANCE/INTRODUCTION**

The attendance was taken and members introduced themselves.

The agenda was reviewed.

3 **REVIEW AND APPROVE AGENDA**

Agenda was reviewed.

4 **REVIEW MINUTES**

The minutes of the previous meeting were reviewed.

5 **TOPIC ITEMS TO BE DISCUSSED**

- Tool for brainstorming-Kanban Flow: [https://kanbanflow.com/board/JoF7Esq](https://kanbanflow.com/board/JoF7Esq)
  (request access)
• The purpose of this meeting is to review how healthcare and medical imaging will look in the future, examine trends, and discuss what it may mean for DICOM. The information repository is on the Kanban Flow link above.

• The point of this exercise is: Looking at the history—(is it time for DICOM 4?) and examining partly scenario planning as context to reference when making future decisions.

Issues the group identified:
• “My data” and available everywhere I go. FHIR seems a promising tool for this direction. What needs to be recorded/tracked for data to work (provenance, source, handling, trustability)?
• Scalability, FHIR
• Consumerization-Consumer applications-
• AAMI WG- Integrated Care Environment- Mass Gen lab.
• Siloed nature of medical imaging, or will move towards a global system
• Differences in funding for health systems countries- v. Big Iron;
• Security concerns:
  • Access control
  • CDs- can’t ship or share images- made the alternative so much easier. Not great sharing. Q from Brad: At what year do you retire the CDs from standard?
• Lack of fast Internet
• Energy usage for medical imaging- do we need to track energy use in addition to dose, e.g. New types of metadata? Consumables. Increased use of streaming from the home. Finding how to extract and show from metadata.
• Patient communication/understanding/informed consent-translation of report. Trying to repackage and add in notes. Can imaging facilitate better patient communication/understanding/informed consent?
• (even ordering physicians/medical teams need assistance in reviewing)
• Collaboration of providers- Evolving metaphor of DICOM Package = structured report/results (features + advice) + Images + metadata
• Add health care providers collaboration to security.
• When do we get rid of DICOM protocols? What about the other transports are insufficient? (size)
• From a user perspective: image index and registry- special uses (e.g. abuse, etc.)- ideally could get a global view. Global query.
• Content-based image assignment
• Security- lack of trust
• Future topics of discussion
• Meeting frequency
  Action-Kevin O'Donnell will work with Ken Persons to distill into themes. The leadership team may also ask DICOM members to weigh in on certain questions asynchronously.

6 OLD BUSINESS

7 NEW BUSINESS

8 DATE AND TIME OF NEXT MEETINGS
Tuesday, October 12, 12:00-2:00PM US ET

Tuesday, October 26, 12:00-2:00PM US ET (shorten meeting time?)

Adjourn: 2:05PM