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MINUTES
DICOM WG-29, Education, Communications & Outreach (ECO)
October 1, 2019, 9:00-12:15 (local time)
Chatrium Hotel Riverside Bangkok
Bangkok, Thailand

Voting Members Present

AAPM/Univ. of Arkansas for Medical Sciences
ADA
b<>com
Canon Medical Systems
JIRA
Mayo Clinic
MISAT
Philips

PixelMed
Siemens Healthineers

Voting Members Not Present

ACR
Agfa HealthCare
Carl Zeiss Meditec AG
CFDA
Change Healthcare
CIMICS
ESR
Fairhaven Technologies
Fujifilm
GE Healthcare
JSRT
Korean PACS
Laitek
Leica Biosystems
NVIDIA
RSNA
RaySearch Labs
Univ. of Queensland
VISUS Health IT GmbH

Represented by

Lawrence Tarbox
Trishul Allareddy
Emmanuel Cordonnier
Kevin O'Donnell
Akihiro Yomoda
Kenneth Persons
Chung-Yueh Lien
Wim Corbijn
for Jeroen Medema

David Clunie
Antje Schroeder

Represented by

Jim Philbin
Paul Seifert
Marita Bergmann
Jia Zheng
Elliot Silver
Jianming Qu
Peter Mildenberger
Rob Horn
Masao Murata
Steve Nichols
Hiroshi Sakamoto
Hee-Joung Kim
Fred Behlen
Dave Toomey
Brad Genereaux
Chris Carr
Stefan Boman
Liam Caffrey
Marc Kaemmerer

Alternate Voting Members & Observers

JIRA
Mahidol Univ.
Mahidol Univ.
Mahidol Univ.
Mayo Clinic
MITA/DICOM
MITA/DICOM
Philips

Represented by

Nakano Shinichi
Pattanasak Mongkolwat
Peter Haddawy
Wudhichart Sawangphol
Fon Ngokkham
Luiza Kowalczyk
Lisa Spellman
Arul Patchi Prasath

Presiding Officers DICOM Secretariat

Lawrence Tarbox, Co-Chair & Jeroen Medema, Co-Chair
Luiza Kowalczyk, Secretary

1. Opening

- 1.1. The meeting was called to order at 09:00 local time.
- 1.2. Antitrust and patent guidelines were reviewed.
- 1.3. The minutes from the August 29th and September 16th were approved.
- 1.4. The agenda was approved: Review presentations for the upcoming DICOM Educational Conference.
- 1.5. Meeting folder:

<ftp://medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/WG29/2019/2019-10-01/>

2. DICOM website

- No new updates on the DICOM website:
 - <https://www.dicomstandard.org/>
- Using DICOM>Security
 - Post stories regarding Security
 - Make it more navigational
- Resources>FAQ
 - The content site needs to be updated.
- DICOM News
 - Target the right audience?

Action item: Identify our target audience -L. Kowalczyk

Suggestions:

- Ask to move the “search” to the right. Few members didn’t like the location <it is next to the DICOM logo as of today>.
- Free text search
 - a. Can we have it as a feature? It would be helpful for searching presentations, and other things.
- Link for the proposed new DICOM website: <https://dicom.affirmapartnerfr.com/>
- It was recommended to inform DICOM WG-29 when any content like: videos, articles, newsletters, <especially on security> get posted on the website:

3. DICOM Logo

- The Secretary reported results from the ballot which was sent to WG-29 Voting Members few weeks ago.
 - 11 out of 40 voting members voted on proposed new DICOM logos.
 - We discussed 3 logos with the highest %.
 - Results are posted in the meeting folder.

Decisions:

- Final decision is not to replace the current DICOM logo. We will not use any of the proposed logos.
- The ballot to vote on 3 favorite DICOM logo and our current one will not be distributed to members of DSC. Members of WG-29 went over the ballot results, and it was decided not to move forward with the process.
- Have the current DICOM logo match to the new website by a professional graphic designer:
 - Color, font etc..., Tweaking but not a change the actual logo.

Action item: Provide the current DICOM logo to the NEMA/MITA web team or PR team and ask to match it with the new DICOM website <colors, font etc) -L. Kowalczyk

4. Tooling (JIRA), Confluence & Higher logic

- Discussion on tools like: [JIRA](#) , [Confluence](#) and [Higher Logic](#)
- DICOM WG-20 II and HL7 Gender Harmony groups are already using confluence:
 - <https://confluence.hl7.org/display/IMIN/Teleconferences>
 - <https://confluence.hl7.org/display/VOC/The+Gender+Harmony+Project>
- Lisa and Luiza submitted an internal 2020 project to investigate DICOM tools, will include WG-10 and ExCom to help create planning and review documents.
- Things to consider when we think of switching from the ftp server (FileZilla) to other tools:
 - Easy accessibility
 - There is the difference between content and storing files.
 - Agendas, minutes and conferences info-easy switch
 - A lot of platforms don't support storing files
 - Synchronization vs Security=conflict
 - Media Wiki is the communication outlets/tools used to store and deliver information or data. Maybe we could look into it as well.
 - The big question is “How to handle WG-06 Base Standard work”.
 - What happens with the content when we stop paying for platforms like: Confluence...etc.
 - Who has an ownership of the content?
 - Can NEMA/MITA IT department back it up?
 - What is the exit strategy for the new tool?
 - How would the approval documents look like?

Action item: Identify managing criteria for JIRA, Confluence, and Higher Logic-WG-29 Members

5. Recruitment new DICOM participants

- New DICOM Members as organizations
- Good target groups for recruiting new DICOM participants and members:
 - Members of WG-23 and WG-27.
 - Academic groups , research people
 - Professional Societies
- It is recognized that there are barriers for new comers:

- Signing a DICOM patent agreement can sometimes be an issue and prevents people from participating in DICOM work. DICOM leadership don't want to throw out the patent policy but maybe they could advise new participants on how to discuss the patent agreement with their senior management/leadership.
- Lack of time, experience and trust within companies.
- We need more participation for DICOM WG-06 Base Standard

6. Old Business

- DICOM Conference

Lisa Spellman announcement during the meeting: Have final draft of presentations ready by tomorrow (Wednesday) 16:00 p.m. We want to test them before tomorrow's conference. The host will be projecting presentations from their computers, so we need to make sure they have all final presentations by 4:00 p.m. today.

- DICOM WG-17 3 D

Lisa Spellman: WG-17 3D would like to have an object library for Sup/205 and for Sup/208 when it's added.

Notes from WG-17 3D tcon on 9/25: Reference Implementations

- We want to raise awareness to encourage adoption of Sup/205 and for Sup/208 when it's added
- There are starting to be prototype implementations to create objects – we should be leading on this.
- WG-17 still seeking volunteers to help provide some open source implementations. In past meetings, there was discussion wondering if the optimal window of time has passed. However, it was noted that just because there are commercial implementations, there is still a need for open source. Reference implementations have a useful purpose beyond jumpstarting vendors.
- Ask people to submit examples – “if you want a reference implementation, here is content to do so...” But so far, no submissions.
- There are open questions about how to best check & vet objects before posting to ensure are correct
- What are past DICOM/MITA practices for vetting and managing sample object library?

Decision:

- Set up a YouTube channel <create an account and set up account>
- Make it a standing agenda item
- Add a new content periodically.
 - The next content can be used from the 2019 Educational DICOM Conference.
 - Remember to have people sign a media release form anytime we post pictures and/or videos.

Motion: Present members <especially speakers> had no objections for their pictures and videos to be published from the 2019 Educational DICOM Conference in Bangkok, Thailand.

7. New Business

- SWOT analysis
- It is recommended for WG-29 ECO to have a standing agenda with the top 5 strengths for communication (push messages out) through different channels. Questions: what are the right communication channels? Who is the audience? What type of questions we should ask? Draft metrics of communication?

Action item: Create communication metrics audience vs messages-L. Spellman

- If WG-29 members feel as if different strengths should be listed as the top 5, please share your ideas/feedback with us. That list is not only limited to just those top 5 discussed and picked by WG-10. Your feedback is very welcomed.
- The SWOT analysis is uploaded in the WG-10 meeting folder:
<ftp://medical.nema.org/MEDICAL/Private/DICOM/workgrps/Wg10/2019/2019-09-30/>

Strengths: Discussed on Sept. 30, 2019:

1. Sustainable standard (stable, we don't break it, safe investment)
2. Semantic Interoperability / stable information model
3. Mature development & maintenance process
4. Responsive to needs ("fast" development, maintenance & publication)
5. Web-ready (RESTful Interfaces)

<EXTRACTED FROM THE SWOT ANALYSIS>

Strengths (internal, present): Extracted from the SWOT document:

1. Actual interoperability (send, store, exchange, query) –<TODO mirror up, review for duplication>
2. Large user community, huge installed base
3. Free to access, implement & use; no/few IP encumbrances
4. Available toolkits (including open source), products
5. Stable standard (we try hard not to break it, safe investment)
6. Web-ready (forward-looking, RESTful Interfaces, easily understood security)
7. Mature development & maintenance process
8. **Responsive to needs ("fast" development, maintenance & publication)**
 - a. **Let's watch #8, we are actually not as fast as we would like to be in the process, it needs to be improved.**
9. Semantic Interoperability / stable information model
10. Unchallenged standard; Ubiquitous in Rad/Card/RT/Dental imaging eqt/workflow
11. Covers all major modalities and increasingly others
12. Strong in Eyecare,
13. Basis for large open (international) marketplace Well established in the developed world (Europe, N.A., Japan)
14. Embodies significant expertise in imaging
15. Company/Prof. Society worldwide participation
16. ISO Standard (Liaison A)
17. Supports international languages
18. Invested value (billions of instances, inst. base)
19. Good relations with IHE, HL7, ISO, etc.
20. Strong, active, engaged, and sustainable community
21. Ready for Realtime (streaming video, etc)

3. Next Meetings

- **T-cons:**
- Friday, October 11, 2019, 11:00-12:00 US ET
 - We will discuss the layout of the new DICOM website:
<https://dicom.affirmapartnerfr.com/>

- Please note that the website is still being developed.... Things are being constantly updated/changed.
- Thursday, January 9, 2019, 11:45-12:45 US ET

Dial-in information is always entered in the DICOM Calendar:

<http://workspaces.nema.org/dicom/Lists/Calendar/calendar.aspx>

- In person:

2020

Possible meeting schedule for DSC, WG-10 and WG-29 ECO:

- April/May 2020
 - Sometime after 27 April 2020
 - **Aim for this window**
 - 1st two weeks of May 2020
 - Note that week of 4 May several IHE groups may be meeting in Europe
 - Perhaps Porto, Portugal
 - Tallinn, Estonia
 - Prague
 - Poland
 - Two days of meetings for April/May
- India, Bangalore or Chennai - Sept/Oct 2020, try for mid-late Sept or early Oct
- Taiwan: Work with Chung-Yueh Lien - Sept/Oct 2021
- Joint Colinstar Republica Colinstar Radiology Conference: Regional Society ACR/JPR/RSNA: RAD meeting in Sao Paulo in May 2020 – John Carrino is the contact.

2021

Possible meeting schedule for DSC, WG-10 and WG-29 ECO:

- April/May 2021
- Sept/Oct 2021

4. Adjournment

The meeting adjourned at 12:15 US local time

Report prepared by Luiza Kowalczyk, DICOM Secretariat

Report reviewed by NEMA/MITA legal counsel: CRS, October 18, 2019.