

MINUTES

DICOM WG-23: Artificial Intelligence/Application Hosting

Date and Time: 6 October 2020 | 11:00am – 12:00pm US ET

Presiding Officers: Gianluca Paladini, Industry Co-Chair
 Lawrence Tarbox, User Co-Chair

DICOM Secretariat: Shayna Knazik, DICOM/MITA

Voting Members Present:

AAPM/Univ. of Arkansas for Medical Sciences
 ACR/Northwestern Memorial Hospital
 Canon
 DICOM/MITA
 Medical Image Standards Association of Taiwan
 Sectra
 Siemens Healthineers

Represented by:

Lawrence Tarbox
 Brian Bialecki
 Kevin O'Donnell
 Shayna Knazik
 Chung-Yueh Lien
 Daniel Forsberg
 Gianluca Paladini

Voting Members Not Present:

ACR
 *Argentix
 *Arterys
 *Carl Zeiss Meditec
 *DaPict
 DesAcc EMEA
 *GE Healthcare
 *Hitachi Healthcare Americas
 *Laitek
 *NCI/NIH
 NVIDIA
 *Philips
 PixelMed
 VISUS

Represented by:

Neil Tenenholtz
 Elliot Silver
 Torin Taerum
 Régis Deshayes
 Steve Lord
 Graham King
 Chris Lindop
 Ravi Managuli
 Doug Sluis
 Keyvan Farahani
 Brad Genereaux
 Jeroen Medema
 David Clunie
 Marc Kämmerer

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

Others (Observers & Alt-voting) Present:

German Cancer Research Center
Intel Corporation
Leica Biosystems
MITA
Siemens Healthineers

Represented by:

Marco Nolden, Observer
Doug Bogia, Observer
Ian Gabriel, Observer
Zack Hornberger, Observer
Joerg Illmann, Observer

1. Opening

- 1.1. Welcome and roll call: the teleconference was called to order and a quorum was present.
- 1.2. Antitrust and patent rules were reviewed.
- 1.3. The agenda was reviewed and approved.
- 1.4. The minutes from 2020-09-22 were reviewed and approved.

2. Supplement 219

- 2.1. Group discussed the next steps for 219 and if it is truly useful or is it just excess baggage. Gianluca asked if WG-23 should join forces with FHIR and HL7/WG-20. This group is looking at the measurement areas and TID 1400 area, a general mapping of DICOM SR. Would Supplement 219 be useful in doing those mappings? The group agreed that it would be helpful to speak with WG-20 about this on an upcoming call.
 - **Action:** Larry to reach out to Teri Sippel and AI community who might be using 219
 - **Action:** Larry to reach out to FHIR/HL7 folks in WG-20

3. AI Service Discovery and Control Supplement

- 3.1. Brian led the group through an overview of the document, paying special attention to the scope and definitions. The group was encouraged to look at the document in the Teams and make comments within the document with any feedback you may have.

4. Old or New Business: none at this time.

- 4.1. Kevin provided an update on the IHE AI Whitepaper. The proposal was approved by IHE and their goal is to map out the space of AI and radiology. An Authoring Group was set up and plans to have a kick off meeting in November 2020, Public Comments in January 2021, and a finalization meeting in March 2021, as well as regular calls which WG-23 is encouraged to attend on Thursdays at 11am US EDT.
 - IHE Radiology technical committee (links and timelines):
https://wiki.ihe.net/index.php/Radiology_Technical_Committee
 - AI Interoperability in Imaging Detailed proposal link:
<https://docs.google.com/document/d/1SzcPtyaBFpZwTveebSjCC2Kuw934f9EOaKg7G1693kw/edit?usp=sharing>
- 4.2. AI meeting at FDA
 - Gianluca alerted the group to the work of the MITA AI Committee which is intended for regulatory aspects of AI deployment. They are participating in the public statement portion of an upcoming FDA meeting focused on patient engagement:

<https://www.fda.gov/advisory-committees/advisory-committee-calendar/october-22-2020-patient-engagement-advisory-committee-meeting-announcement-10222020-10222020>

- Zack shared a document pertinent to this discussion:
<https://www.nist.gov/system/files/documents/2020/08/17/NIST%20Explainable%20AI%20raft%20NISTIR8312%20%281%29.pdf>

5. Next meetings – tcons:

Every other Tuesday, usually 11am – 12pm US ET, unless schedule conflicts

- October 20th @ 11:00am-12:00pm US ET
- November 3rd @ 11:00am-12:00pm US ET
- **Skipping November 17th: no call, WG-23 instead encouraged to tune in to IHE Radiology**

Next meetings – F2F: None scheduled at this time.

FYI: Other relevant [DICOM meetings](#)

- DICOM Standard Committee (DSC): [December 4, 2020 @ 9am-1pm US ET](#)
- WG-06 Base Standard: [November 9-13, 2020](#)

Adjournment: the call was adjourned at 12:05pm US EDT.

Prepared and submitted by Shayna Knazik on October 20, 2020

Reviewed by Counsel Peter Tolsdorf on October 27, 2020