

## Minutes-Tcon

### DICOM WG 23: Artificial Intelligence / Application Hosting

**Date and Time:** 11:00am – 12:00pm US ET  
24 March 2020

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

**DICOM Secretariat:** Carolyn Hull, MITA

#### Voting Members Present

AAPM/Univ. of Arkansas for Medical Sciences  
ACR/Northwestern Memorial Hospital  
PixelMed  
Imagebiopsy  
Institute of Cancer Research  
NVIDIA  
Blackford Analysis  
VISUS  
Fovia  
Medical Image Standards Association of Taiwan  
GE Healthcare  
Hitachi Healthcare Americas  
Isomics  
GE Healthcare  
Canon

Lawrence Tarbox  
Brian Bialecki  
David Clunie, Observer  
Michael Egger  
Simon Doran  
Brad Genereux  
Keith Houston  
Marc Kaemmerer  
Shay Kilby  
Chung-Yueh Lien  
Chris Lindop  
Ravi Managuli  
Steve Pieper  
Steven Nichols  
Kevin O'Donnell

#### Voting Members Not Present

Carl Zeiss Meditec  
DesAcc EMEA  
DaPict  
Philips  
Agfa  
Siemens Healthineers  
ACR  
Argentix

AG Regis Deshayes  
Graham King  
Steve Lord  
Jeroen Medema  
Hamid Nashat  
Gianluca Paladini  
James Philbin  
Elliot Silver

#### Others Present

NEMA/MITA Staff  
Sectra  
NVIDIA  
Blackford Analysis

Carolyn Hull  
Daniel Forsberg, Observer  
Brad Genereux, Observer  
Keith Houston

Siemens Healthineers  
GE Healthcare  
German Cancer Research Center  
GE Healthcare  
Siemens Healthineers  
Vital Images

Joerg Illmann  
Steve Nichols  
Marco Nolden  
Gopi Pattaswamy  
Srividya Rajamani, Alt Voting  
Jonathan Whitby

## **Alternate Voting, Observers, Guests, and Staff Present**

### **1. Opening**

- 1.1. Welcome and roll call – Carolyn Hull welcomed everyone to the call.
- 1.2. Antitrust and patent rules were reviewed –
- 1.3. Agenda was review and approval –
- 1.4. Review and approval of minutes from 2020-02-25. Minutes were approved.

### **2. Supplement 219 Simplified SR in JSON**

- Action from previous call: Outreach
- Chris Lindop other topics- container management- Aligns well with application hosting. Agree on some APIs that the host would invoke to talk to the container.

**Next step?** Draft a proposal for DSC.

First step: Gap analysis, existing application hosting APIs. How do we revise them and how?

Action: Brad will take the template from DSC for WI proposal, fill it out, and put on Google docs so all can contribute. All to weigh in—Keith, Chris, anyone interested.

Review on the 10<sup>th</sup>. Can make part of the report presented – just want the day before. Get feedback from DSC just don't get the work item. Next meeting, DSC getting NWI. Before March 10 call, draft WG report, and note we are thinking of reporting next time.

Brad: Passed on to Brian and a few others—reviewed. At discussion level.

During 3/24 call: Brian reviewed the draft proposal of the work item. Overview: Start a container or stop to see how they are running. Wanted to be more general.

The group discussed having another ad hoc WG under WG-23 on Service Discovery and Control. Motion put forward and seconded. The Convenor will be -Brian Bialecki. Send announcements to this group (WG-23). Current Secretary of WG-23 for now. May change. Motion carried unanimously.

**Action: Carolyn to send invitations (completed)**

**Discussion of whether the meeting is standard.** Think should have for the next one—need definitions, etc. need to have further lined out. Cmte doesn't require a workgroup to have a NWI to write whitepapers, etc. Make sure on WG-23 agenda- maybe ad hoc subgroup, etc. has to be documented and minuted.

### **3. Collaborative work on IHE Profiles**

- Two IHE Profiles are in development (by IHE). (Please see past WG-23 minutes for details)
- **AI Workflow:** Chris Lindop, lead | **AI Results:** Kevin O'Donnell, lead

**AI Workflow:** Chris Lindop

Chris Lindop- Key items. Next call to give more detail. Official start of the public comment will begin as soon as published. CH will add to next call. Additional task item-option. Four use cases for the model. One using standard triggered pull method, and a push method for the performer. Also a proxy-based performer. A use case for verification. FHIR resource sequence to data input and output. Gives extensibility to do non-imaging workflow.

Available in IHE.net website within the next few days.

Next meeting: Will go through open questions. Next meeting: April 7.

Meeting to Wednesday, April 8.

Tuesday, April 21. Postpone to 28th

**AI Results:** Kevin O'Donnell

Have major suggestions/edits in to Kevin as of April 9. Highlight open issues. KOD reviewed ppt. Please review primitives.

AI Display behaviors- wants feedback on what baseline display behaviors are.

Action for group: Please give feedback via IHE (see slide 9)- use spreadsheet in meeting folder.

Open issues:

Comments to the Google Group use the spreadsheet and not the web form:

[https://www.ihe.net/Radiology\\_Public\\_Comments/](https://www.ihe.net/Radiology_Public_Comments/)

**STOW-RS type transaction**

- **IHE request:**
- Did not discuss 3/24/20.

**4. Outreach/Education/Info Sharing**

5. **Old or New Business Next meeting:** None.

6. **Next meetings-F2F:** None scheduled at this time.

**7. Next meetings – tcons**

**Teleconference (tcons) (Every other Tuesday, usually 11am – 12pm US ET, unless schedule conflicts)**

**Wednesday, April 8, 11:00 AM**

**Tuesday, April 21, 11:00AM (does this work?)**

**IHE RAD meetings below**

|               |         |         |  |                        |                         |
|---------------|---------|---------|--|------------------------|-------------------------|
| 2020-04-20-23 | All Day | Meeting | IHE Rad Tech Mtg: Preparation for Trial Implementation Publication | <a href="#">Agenda</a> | <a href="#">Minutes</a> |
|---------------|---------|---------|--|------------------------|-------------------------|

8. **Adjourn-**

Submitted by: Carolyn Hull

Reviewed by counsel: CRS, April 2, 2020.