

Minutes-Tcon

DICOM WG 23: Artificial Intelligence / Application Hosting

Date and Time: 11:00am – 12:00pm US ET
8 April 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	Lawrence Tarbox
ACR	Brian Bialecki
Canon	Kevin O'Donnell
DesAcc EMEA	Graham King
GE Healthcare	Chris Lindop
Hitachi Healthcare Americas	Ravi Managuli
Medical Image Standards Association of Taiwan	Chung-Yueh Lien
NVIDIA	Brad Genereux
PixelMed	David Clunie
Siemens Healthineers	Gianluca Paladini
VISUS	Marc Kaemmerer

Voting Members Not Present

ACR	James Philbin
ACR	Steve Horii
Carl Zeiss Meditec	AG Regis Deshayes
DaPict	Steve Lord
Fovia	Shay Kilby
Imagebiopsy	Michael Egger
Isomics	Steve Pieper
Laitek	Doug Sluis
Philips	Jeroen Medema

Alternate Voting, Observers, Guests, and Staff Present

Ambra Health	Kevin Archie, Observer
Canon/Vital Images Inc.	Jonathan Whitby, Alt Voting
GE Healthcare	Gopi Pattaswamy, Observer,
IB Lab GmbH	Alexander Krumboeck, Observer
Laitek Inc.	Razvan Costea-Barluti
MITA	Zack Hornberger, Staff
Roche Tissue Diagnostics	Uwe Horchner, Observer
Siemens Healthineers	Srividya Rajamani, Alt Voting

Opening

- 1.1. Welcome and roll call
- 1.2. Antitrust and patent rules will be reviewed
- 1.3. Agenda review and approval
- 1.4. Review and approval of minutes from 2020-03-24.

2. Supplement 219 Simplified SR in JSON

Action items to reach out to toolkit vendors. See Gianluca's notes. Larry reached out to DCMTK. Brad reached out to Orthonk-will follow up. Also reach out to RSNA. -

Action: Carolyn to send invitations (completed)

Whitepaper ad hoc group: Whitepaper is separate- may or may not become a WI proposal.

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

Comments due tomorrow on results portion (Kevin's). Need input for comments on AIW profile by end of next week. 1. Pull work item 2. Triggered pull work item 3. Push item- 3 task performer, models to use. Based on UPS-RS standard. Task requester uses inference using UPS-RS. Task performer-

Key open issues? Open work item assignments, section on PHI, interactive AI

Contrast to post-acquisition workflow? Would it be retired if this is successful?

Note: Invitation to join IHE meeting next week to discuss.

AI Results: Kevin O'Donnell

Feedback via IHE (see slide 9)- any further discussion?

Kevin: Please provide feedback on spreadsheet below on IHE or send to Kevin before the end of this week. #1 open issue: Are primitives adequate for you to code your results?

Open issues:

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

https://www.ihe.net/Radiology_Public_Comments/

AI confidence: Radiologists wanted to have a sense of how sure they were. Do you have things around the result of confidence and how are you encoding that?

STOW-RS type transaction

- **IHE request:**

WG-23: Dial in for that hour- April 23: call into this other call.

- 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)

Tuesday, April 21, 11:00AM

Tuesday, May 5, 11:00AM

IHE RAD meetings below

2020-04-20-23	All Day	Meeting	IHE Rad Tech Mtg: Preparation for Trial Implementation Publication	Agenda	Minutes
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8. **Adjourn**

Reviewed by counsel: CRS, May 10, 2020.

