

Minutes-tcon
DICOM WORKING GROUP TWENTY
(Imaging Integration Information Systems)
 &
HL7 IMAGING INTEGRATION WORK GROUP
February 6, 2019

Present	First Name	Last Name	Organization	Voting Status
	Bruce	Bray	ACC/University of Utah Health Care	Observer
	Natalia	Farish	ACR/Northwestern Memorial Hospital	Observer
	Jos	De Baerdemaeker	Agfa HealthCare	Observer
	Arvind	Gautam	Agfa HealthCare	Observer
X	Brad	Genereaux	Agfa HealthCare	Voting
	Wim	Guijt	Agfa HealthCare	Observer
	Jos	Jennes	AGFA HealthCare	Observer
	Paul	Seifert	Agfa HealthCare	Observer
	Rainer	Wegenkittl	AGFA HealthCare	Observer
	Mark-Jan	Harte	Aidence	Observer
	Sander	Smith	Aidence	Observer
	Alexander	Van Eck	Aidence	
	Elad	Walach	Aidoc LTD	Observer
	Jeffrey	Danford	Allscripts	Observer
	Alison	Loughlin	American College of Radiology	Observer
	Sujith	Nair	American College of Radiology	Observer
X	Chris	Treml	American College of Radiology	Observer
	James	Philbin	American College of Radiology 4	Observer
	John	Axerio-Cilies	Arterys	Observer
	Gustavo	Guirland	ASSE (Administracion de Servicios de Salud del Estado) – Uruguay	Observer
	John	Stinson	Aurora Interactive Ltd.	Observer
	Keith	Houston	Blackford Analysis	Observer
	Fernando	Fernandes	Brazilian Private Hospital	Observer
X	John	Moehrke	By Light Professional Services	Observer
	Matt	Hughes	Calgary Scientific	Observer
	Alex	Goel	Cancer Care Ontario	Observer
	David	Kwan	Cancer Care Ontario	Observer

X	Kevin	O'Donnell	Canon Medical Research USA, Inc.	Voting
	Thierry	Verstraete	Carestream Health, Inc.	Observer
	Julius	Blank	Carl Zeiss Meditec AG	Observer
	Jason	Kennedy	Carl Zeiss Meditec AG	Observer
	Neil	Tenenholtz	Center for Clinical Data Science	Observer
	Jia	Zheng	Center for Medical Device Standardization Administration,CFDA	Voting
	Steve	McHenry	Central Illinois Radiological Associates	Observer
	Hans	Buitendijk	Cerner Corporation	Observer
	John	Moore	Cerner Corporation	Observer
	Dennis	Stuhlman	Cerner Corporation	Observer
	Enis	Kurspahic	Cerner Sweden AB	Observer
	Bob	Baumgartner	Change Healthcare	Observer
	Kinson	Ho	Change Healthcare	Alt. Voting
	Roger	Milford	Change Healthcare	
X	Elliot	Silver	Change Healthcare	Voting
	Rucha	Wad	CITI Website	Observer
	James	Rogers	Coastal Consulting Group, Ltd.	Observer
	David	Allen	Corista LLC	Voting
	Daniel	Ostrow	DICOM Grid, Inc.	Observer
	David	Liu	DICOMSOFT CONSULTING LTD.	Observer
	Donald	Van Syckle	DVS Consulting, Inc.	Observer
	Abhinav	Singh	Emids Technologies	Observer
	Will	Maethner	Epic	Observer
	Daniel	Rutz	Epic	Observer
X	Isaac	Vetter	Epic	Observer
	Andrea	Spada	ESAOTE S.p.A. (Bracco Group)	Observer
	Sergio	Santoro	Eurisko	Observer
	Robert	Horn	Fairhaven Technologies	Observer
	Anton	Iarkin	Federal North-West Medical Research Centre	Observer
	Ewout	Kramer	Furore	Observer
	Ike	Addo	GAFMS	Observer
	Josh	Hamme	GBMC Healthcare	Observer
	Yongjian	Bao	GE Healthcare	Observer
	Keith	Bigelow	GE Healthcare	Observer
	Maurizio	Menni	GE Healthcare	Observer
	Steven	Nichols	GE Healthcare	Observer
	Jouke	Numan	GE Healthcare	Observer
	Katelyn	Nye	GE Healthcare	Observer
	Charles	Parisot	GE Healthcare	Voting
	Lino	Ramirez	GE Healthcare	Observer
	Brian	Lenz	GE Healthcare, Ultrasound	Observer
	Donny	Cheung	Google	Observer
	Dusan	Zelebaba	Google Cloud	Observer
	Lavanian	Raj	HCit Consultant	Observer

	Eric	Haas	Health eData Inc	Observer
	Karen	Van Hentenryck	Health Level Seven	Observer
	Christof	Gessner	HL7 Germany	Observer
	Cedric	Melotte	Hologic Inc.	Observer
	Houtan	Aghili	IBM Healthcare & Life Sciences	Observer
	Jung Bin	Kim	Infinitt Healthcare Co., Ltd.	Observer
	Leodan Vega	Izaguirre	Informatics Science University	Observer
	John	Giese	Innolitics, LLC	Observer
	Ravindran	Padmanabhan	Innowave Healthcare Pvt Ltd.	Observer
	David	Channin	Insightful Medical Informatics	Observer
	Jörg	Riesmeier	IT Consultant	Observer
	Gunter	Zeilinger	J4Care GmbH	Observer
	Thomas	Guiot	Jules Bordet Institute	Observer
	Michel	Pawlicz	Karos Health	Alt. Voting
	Kevin	Carlson	Lahey Health & Medical Center	Observer
	Harry	Solomon	Laitek	Observer
	Fred	Behlen	Laitek Inc.	Voting
	Douglas	Sluis	Laitek Inc.	Alt. Voting
	Bronson	Hokuf	Laurel Bridge Software, Inc.	Observer
	Chris	Spring	M*Model	
	Eric	Rice	Mach7t	Observer
	Pierre	Breyse	Maquet S.A.	Observer
	Monica	Mojica	Mark Twain Medical Center Home Page - Dignity Health	Observer
	Thomas	Freier	medavis GmbH	Observer
	Jack	Hsiao	Medical Image Standards Association of Taiwan	Observer
	Zsolt	Hegyí	Mediso Medical Imaging Systems	Observer
	Ken	Meyer	Merge Healthcare an IBM Company	Voting
	Rob	Leif	Newport Instruments	Observer
	Andrew	Satz	Metrix Labs	Observer
	Yassin	Jdaoudi	Micrima	Observer
	Dongbai	Guo	Microsoft Corporation	Observer
	Ilya	Goldberg	Mindshare Medical	Observer
X	Luiza	Kowalczyk	MITA	Observer
	Lisa	Spellman	MITA	Observer
	Yueh-Hsun	Shih	National Yang Ming University	Observer
	Ulrike	Wagner	NCI/CBIIT, Leidos Biomedical Research, Inc	Alt. Voting
	Edward	Helton	NCI/NIH/DHHS	Voting
	Dave	Rubin	Nuance	Observer
	Nicholas	Haemel	NVIDIA	Observer
	Abdul Hamid	Halabi	Nvidia	Observer
	Nicolas	Koumchatzky	NVIDIA	Observer
	Michael	Onken	Open Connections GmbH	Observer
	Herman	Oosterwijk	OTECH, Inc.	Observer

	Markus	Herrmann	Partners	Observer
	Zijun	Zhou	Peking University School of Public Health	Observer
	Richard	Esmond	PenRad Inc	Observer
	Bas van den	Heuvel	Philips	Observer
	Mohannad	Hussain	Philips	Observer
	Chris	Melo	Philips	Voting
X	KT	Pickard	Philips	Observer
	David	Clunie	PixelMed Publishing	Voting
	Adam	Dwyer	QLD Health	Observer
	Win	Swarr	QualiTest Group	Voting
	Adlon	Pereira	Qure.ai	
	Pooja	Rao	Qure.ai	
	Prashant	Warier	Qure.ai	Observer
	John	Hawkins	Qure.ai.	Observer
X	Chris	Carr	Radiological Society of North America	Voting
	Hayit	Greenspan	Radlogics	Observer
	Kent	Hutson	RBMA	Observer
	Michael	Owens	RefleXion Medical	Observer
	David	Feinberg	Rensis Corporation	Observer
	Veerendra	Shetty	Samsung Research Institute, Bangalore	Observer
	Angeline	Cosca	Sdmi	Observer
	Krister	Valtonen	Sectra AB	Observer
	Frederick	Barton	Sectra, Inc.	Observer
	Daniel	Forsberg	Sectra, Inc.	Observer
	Shashikala	Duraiswami	Segami Corporation	Observer
	Dezheng (Bruce)	Li (Lee)	Shanghai United Imaging Healthcare	Observer
	Andreas	Klingler	Siemens Healthcare GmbH	Alt. Voting
	Gerhard	Kohl	Siemens Healthcare GmbH	Alt. Voting
X	Diana Lizzhaid	Ovelgönne	Siemens Healthcare GmbH	Observer
	Antje	Schroeder	Siemens Healthcare GmbH	Alt. Voting
	Ashish	Singh	Siemens Healthcare India	Observer
	Martin	Bellehumeur	Siemens Healthineers	Observer
	Martin	Huber	Siemens Healthineers	Observer
	Catrin	Luell	Siemens Healthineers	Observer
X	Eric	Martin	Siemens Healthineers	Voting
	Christopher	Bashall	Sir Charles Gairdner Hospital	Observer
	Markus	Sabin	softgate GmbH	Observer
	Stephen	Vastagh	Standards Management Company	Observer
	Michael	Muelly	Stanford University	Observer
	Gustav	Alvfeldt	Stockholm County Council	Observer
	Corey	Cochran	Stryker Communications	Observer
	Suresh	Chaudhari	Tata Memorial Hospital	Observer
	Josef	Keimel	TOMTEC IMAGING SYSTEMS	Observer

	Jens	Stockhausen	TOMTEC IMAGING SYSTEMS	Observer
	Lawrence	Tarbox	University of Arkansas for Medical Sciences	Voting
	Nathan	Cross	University of Washington Medical Center	Observer
X	Ulrich	Busch	Varian Medical Systems International AG	Observer
	Andrei	Leontiev	Visage Imaging	Observer
	Brad	Levin	Visage Imaging	
	Sebastian	Korber	VISUS Technology Transfer GmbH	Observer
X	Jonathan	Whitby	Vital Images, Inc.	Alt. Voting
	Teri Sippel	Schmidt	Vitam Images	Voting
	Brett	Marquard	WaveOne Associates	Observer
	Anita	Havele	Web3D Consortium	Alt. Voting
	Nicholas	Polys	Web3D Consortium	Alt. Voting
	Deepshakhar	Gupta	Weill Cornell Graduate School of Medical Sciences	Observer
	Taehwa	Han	Yonsei University	Observer
	Eyal	Gura	Zebra Medical	Observer
	Adam	Dwyer		Observer
	Rob	Hausam		Observer
	Ishfaque	Hussain		Observer
X	Chris	Lindop		Observer
	Oleg	Pianykh		Observer
	Bas	Revet		Observer
	Godfred	Mugoma		Observer

Presiding Officer:
DICOM Secretariat:

Brad Genereaux, Agfa Healthcare
Luiza Kowalczyk, MITA

1. **Opening**

- 1.1. The meeting was called to order at 1:00 p.m. US ET.
- 1.2. The antitrust rules were reviewed, and DICOM patent policy as well.
- 1.3. The agenda was approved.

2. **FHIRCast –Intent to ballot:**

- Motion to submit FHIRcast PSS for balloting: 13-0-1

<Action Item>

1. Submit a nib for FHIRCast.

3. **Update on OO on Media merger**

- It has not quite been settled. OO WG is working on finalizing plan for Media / Document Reference but II proposal is looking likely to be accepted. The OO minutes are here:
<https://confluence.hl7.org/display/OO/2019-2-5+Meeting+notes>

4. **Division PSS's for approval**

- The following affirmations were approved.

Authorization Support

Re-affirmations

- Reaffirm HL7 EHR Clinical Research Functional Profile, Release 1
- Reaffirm HL7 EHR Child Health Functional Profile, Release 1

- Reaffirm HL7 EHR Behavioral Health Functional Profile, Release 1
- Reducing Clinician Burden Investigative Project
- ISO 13606-3/FHIR Implementation Guide – There is an interested in the results of this.

5. ImagingReference / ImagingManifest and ImagingObjectSelection discussion

- Markus Herrmann was not present during today’s call.
- Use case review - business need and availability of existing methods to meet these needs
- Tracker ID 17183 - current state of defining resource for a reference to a DICOM instance
- Alternate mechanisms which still can be considered (e.g., parameters on the reference to ImagingStudy)

<Action Item>:

1. Create a Wiki Page to collect use cases so that we could reach a consensus on it –Brad will start a wiki page, Chris Carr will help with it, if there is any need.

6. Other tracker items

- Due to lack of time, we didn’t discuss all the following tracker items.

17179 - ImagingStudy status codes - conforming to Event pattern

17279 - Confirm ImagingStudy.modality and ImagingStudy.series.modality binding

17441 - Update description in Endpoint to use DICOMweb thumbnail API

19637 - Update cardinality of ImagingStudy.procedureReference -

- It was reviewed/discussed, no vote, think about it.

20166 - Broken Link to ImagingProcedureCode ValueSet

20177 - Review and provide additional guidance on ImagingStudy.status

7. Next Meetings:

T-cons:

- Wednesday, February 20, 2019, 1:00-2:00 US ET
- Wednesday, March 20, 2019, 1:00-2:00 US ET
- Wednesday, April 24, 2019, 1:00-2:00 US ET

In Person

- HL7 – May 4-10, 2019, Montreal Quebec, Canada
 - o A detailed schedule has not been finalized yet.

Future Meetings of HL7

2019

- May 4-10, 2019, Montreal Quebec, Canada, International Conference & WGM

<http://www.hl7.org/events/workgroupmeetings.cfm?ref=nav>

- September 14-20, 2019, Atlanta, GA, 33rd Annual Plenary & WGM

2020

- February 1-7, 2020, Sydney, Australia, International Conference & WGM
- May 16-22, 2020, San Antonio, TX, WGM
- September 19-25, 2020, Baltimore, MD, 34th Annual Plenary & WGM

8. Adjournment

The meeting was adjourned at 1:50 US ET

Submitted by Luiza Kowalczyk, DICOM Secretary

Reviewed by counsel: Clark Silcox, legal counsel, February 19, 2019.