

## MINUTES

### WORKING GROUP 14 Security

**Date and Time** Wednesday 23 January 2019  
9.00 -10:00am\_US ET

**Presiding Officers** Rob Horn, Producer Co-Chair  
Lawrence Tarbox, User Co-Chair

**DICOM Secretariat** Lisa Spellman, General Secretary, DICOM

Present	First Name	Last Name	Organization	Voting Status
	Jeff	Romatoski	Acuotech	Observer
	Jos	De Baerdemaeker	Agfa HealthCare	Observer
	Jos	Jennes	AGFA HealthCare	Observer
	James	Philbin	American College of Radiology 4	Observer
	Robert	Godward	Apteryx, Inc.	Observer
	Tyler	Sutton	Apteryx, Inc.	Observer
	Patrick	Williams	Apteryx, Inc.	Observer
	John	Moehrke	By Light Professional Services	Observer
	Kevin	O'Donnell	Canon Medical Research USA, Inc.	Observer
	Jia	Zheng	Center for Medical Device Standardization Administration, CFDA	Voting
	Elliot	Silver	Change Healthcare	Alt. Voting
	Roger	Trevisan	Change Healthcare	Voting
	David	Liu	DICOMSOFT CONSULTING LTD.	Observer
	Michael	Henderson	Eastern Informatics, Inc.	Observer
	Abhinav	Singh	Emids Technologies	Observer
	Sergio	Santoro	Eurisko	Observer
	Robert	Horn	Fairhaven Technologies	Observer
	Masao	Murata	FUJIFILM Corporation	Observer
	Jeff	Anders	GE Healthcare	Observer
	Karl-Heinz	Fleischer	GE Healthcare	Observer

	Hiroshi	Kanamori	GE Healthcare	Alt. Voting
	Steven	Nichols	GE Healthcare	Observer
	Jouke	Numan	GE Healthcare	Observer
	Charles	Parisot	GE Healthcare	Alt. Voting
	Francisco	Sureda	GE Healthcare	Observer
	Elliott	Lavy	Harris Computer Corporation	Observer
	Takuro	Ono	Hitachi Medical Corporation	Observer
	Arnaud	De Kelper	Hologic Inc.	Observer
	Jeff	Garrett	Hologic Inc.	Voting
	John	Giese	Innolitics, LLC	Observer
	Ravindran	Padmanabhan	Innowave Healthcare Pvt Ltd.	Observer
	Lutz	Vorwerk	Institut fur Telematik	Observer
	Jörg	Riesmeier	IT Consultant	Observer
	Gunter	Zeilinger	J4Care GmbH	Observer
Present	Akihiro	Yomoda	JIRA	Voting
	Thomas	Guiot	Jules Bordet Institute	Observer
	Tetsuya	Iwata	Konica Minolta Corporation	Alt. Voting
	Hitoshi	Yoshimura	Konica Minolta Medical & Graphic, Inc.	Alt. Voting
Present	Michael	Laconti	Konica Minolta Medical Imaging USA, Inc.	Voting
	Harry	Solomon	Laitek	Observer
	Douglas	Sluis	Laitek Inc.	Voting
	Bronson	Hokuf	Laurel Bridge Software, Inc.	Observer
	T. Roger	Keane	Laurel Bridge Software, Inc.	Observer
	Peyman	Najmabadi	Leica Biosystems Inc.	Observer
	Aaron	Stearrett	Leica Biosystems Inc.	Observer
	Zsolt	Hegyí	Mediso Medical Imaging Systems	Observer
	Zack	Hornberger	MITA	Observer
Present	Luiza	Kowalczyk	MITA	Observer
Present	Lisa	Spellman	MITA	Observer
	Peter	Weems	MITA	Observer
	Yueh-Hsun	Shih	National Yang Ming University	Observer
	Marco	Eichelberg	OFFIS - Institute for Information Technology	Voting
	Michael	Onken	Open Connections GmbH	Observer
Present	Katsuya	Watanabe	PHC co.,Ltd	Voting
	Elisabeth	George	Philips	Alt. Voting
	Ben	Kokx	Philips	Voting
	Joe	Luszcz	Philips	Observer
	Nikhilesh	Sonar	Philips	Observer
	Vinayachandra	Aithala	Philips India	Observer
	Jeroen	Medema	Philips	Alt. Voting

Present	David	Clunie	PixelMed Publishing	Voting
	Michael	Owens	RefleXion Medical	Observer
	Masuyoshi	Yachida	Ricoh Corporation	Observer
	Rex	Kerr	rk-logix, inc	Observer
Present	Pim	Philipse	Rogan-Delft BV	Observer
	Angeline	Cosca	Sdmi	Observer
	Dezheng (Bruce)	Li (Lee)	Shanghai United Imaging Healthcare	Observer
	Andreas	Klingler	Siemens Healthcare GmbH	Alt. Voting
	Hans-Martin	von Stockhausen	Siemens Healthcare GmbH	Voting
Present	Nikolaus (Niki)	Wirsz	Siemens Healthcare GmbH	Observer
	Mohammed	Aleem	Siemens Healthineers	Alt. Voting
	Stephen	Vastagh	Standards Management Company	Observer
	Corey	Cochran	Stryker Communications	Voting
	Damien	Lerat	SuperSonic Imagine	Alt. Voting
	Keith	Knight	Toshiba Medical Visualisation Systems	Observer
Present	Lawrence	Tarbox	University of Arkansas for Medical Sciences	Voting
	Nathan	Cross	University of Washington Medical Center	Observer
	Sebastian	Korber	VISUS Technology Transfer GmbH	Observer
	Jonathan	Whitby	Vital Images, Inc.	Observer
	Nicholas	Pons	VITEC Multimedia	Observer

## 1. Opening

- 1.1. Open the meeting and roll call.
- 1.2. Review of antitrust and patent rule.
- 1.3. Agenda review and approval. Agenda was approved with no changes.
- 1.4. Review of minutes from 19 December 2018. Minutes were approved with no changes.

## 2. Use of ACME certificates at Connectathons, IHE ITI profile proposal

- Per discussion at December meeting, a proposal was sent to Eric Poiseau, Technical Manager, European Connectathon and Steve Moore, Technical manager, NA Connectathon.
- Steve Moore and John Moehrke requested more information and pushed back a bit. They would like to better understand the need and value. Secure communications have not taken off (1) users don't know to ask for it (2) Vendors not pushing it
- There was a discussion on today's call regarding ACME Certificates and other methods.

### Action/Next steps:

- Rob and Lawrence will do a bit more thinking and put together additional documentation.
- They might also draft a white paper.
- Continue discussion on the February tcon

## Educational outreach, collaboration and other resources

3. Discussion: Rik Primo article “*Cybersecurity in Medical Imaging-Rik-Primo-NovDec-2018\_p29-32*” has been uploaded to today’s meeting folder and members were sent the document to read before the meeting.

Brief discussion.

- Security is a site problem that involves policies and procedures and discussed MDS2, it didn’t mention DICOM or HL7 FHIR or IEEE11073 or TLS or TCP.
- It was suggested that DICOM WG14 could submit a response or article with the focus: For some of the issues, DICOM solves these 1,2,3...

### Action/Next steps:

- Niki Wirsz (Siemens) will ask an internal colleague about possibly drafting an article and provide an update for the February meeting. (Thanks, Niki!)

4. Discussion: Develop a white paper based on NSA Manageable Network Plan as a joint project with MITA

- Status: Zack Hornberger, MITA presented the concept to MITA Cybersecurity Group, who approved and was pleased at the offer. MITA will help to produce and promote.
- Link to draft: See Rob Horn draft in today’s meeting folder.
- Link to NSA site: <https://apps.nsa.gov/iaarchive/search.cfm?criteria=manageable+network+plan>

## 5. Updates from WG06 meeting in January

### 5.1. Security section for Supplement 202 - Real Time Video (Rob)

- A range of data issues including PHI in meta data and other issues
- Next step will be letter ballot, so users will have opportunity for feedback

### 5.2. Exchange of User Identify credentials - be added as a future discussion topic. As discussed at the December meeting, the landscape is shifting with new methods and that it is time to review the current examples in Part 17 and expand to include DICOMweb since these were originally created for DIMSE. Negotiation of sub items for user identity, there’s no profile corresponds to JSON web profile

### 5.3. Encryption of ZIP files for DICOMweb: WG27 chair Brad Genereaux will join the 20 Feb WG14 call to discuss.

6. Sup/209, Updating DICOM Conformance: Rob and Lawrence attended the WG31 tcon on 21 January for a review of proposed edits and open questions on the current working Sup/209 document.

- Found dated and missing content in part 15, part 4 and other places, so there is a long list of things to fix.
- Discussion about possibly retiring certain sections such as digital signature. If we did so, will need an NWIP to retire, a CP is not enough.

### <Action/Next Steps>

- Make a plan to address issues in Sup/209
- Draft retirement proposal – need volunteers to assist!

## 7. Other topics identified as topics of interest to discuss

### 7.1. Security announcements, if any

### 7.2. HIMSS2020: Expand on white paper:

- Discuss potential abstract content.
- Submission deadline, look at what had to do for 2019 so plan for 2020
- <https://www.himss.org/health-it-education/global-conference/proposal>
- Moved to the February meeting to discuss.

**8. Agenda planning discussion:** What would members like to cover the on the coming calls?

- Ran out of time for discussion.

**9. New Business**

- Josh Mandell of Microsoft gave a presentation on user identify to WG20 that was well-received, so was recommended that he present to WG-14. He has been added to the Feb agenda.

**10. Old Business**

**11. Next Meetings – tcons (3<sup>rd</sup> Wed each month, 9-10amUS\_ET)**

Wed 20 Feb 2019

<https://global.gotomeeting.com/join/276063525>

Wed 20 March 2019

<https://global.gotomeeting.com/join/464892365>

Wed 17 April 2019

<https://global.gotomeeting.com/join/607509565>

Wed 15 May 2019

<https://global.gotomeeting.com/join/118956565>

**12. Next Meetings - F2F**

- None scheduled at this time.

**13. Adjournment**

Tcon adjourned at 10:00am US ET. Report prepared by Lisa Spellman, DICOM General Secretary.

Report reviewed by MITA/NEMA legal counsel: CRS, January 24, 2019.

**General carry-over items for consideration when there is time**

**Discussion in the industry: Is consent the right model? (Rob)**

- Pre-reading:
- [https://en.wikipedia.org/wiki/Onora\\_O%27Neill](https://en.wikipedia.org/wiki/Onora_O%27Neill)
- <http://www.bbc.co.uk/radio4/reith2002/>
- These are a series of lectures. The discussion is more philosophical in nature and is essentially asking “are we doing this the right way” such as Opt-In versus Opt-out
- The problem of using consent for privacy & security. Many say that consent is the wrong model.