



	Jeff	Anders	GE Healthcare	Observer
	Karl-Heinz	Fleischer	GE Healthcare	Observer
Present	Matthew	Hillyer	GE Healthcare	Voting
Present	Herve	Hoehn	GE Healthcare	Observer
	Hiroshi	Kanamori	GE Healthcare	Alt. Voting
	Steven	Nichols	GE Healthcare	Observer
	Jouke	Numan	GE Healthcare	Observer
	Kjetil	Pedersen	GE Healthcare	
	Francisco	Sureda	GE Healthcare	Observer
	Elliott	Lavy	Harris Computer Corporation	Observer
	Takuro	Ono	Hitachi Medical Corporation	Observer
	Jeff	Garrett	Hologic Inc.	Voting
	John	Giese	Innolitics, LLC	Observer
	Ravindran	Padmanabhan	Innowave Healthcare Pvt Ltd.	Observer
	Lutz	Vorwerk	Institut fur Telematik	Observer
	Charles	Parisot	InteropEhealth	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
Present	Michael	Laconti	Konica Minolta Healthcare Americas, 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
Present	Chung-Yueh	Lien	Medical Image Standards Association of Taiwan	Voting
	Iliyas	Ouchikc-Mohamed	Medical Student	
	Zsolt	Hegy	Mediso Medical Imaging Systems	Observer
	Mark	Halliday	Medtronic, Inc.	Observer
	Guy	Hembroff	Michigan Technological University	Observer
	Zack	Hornberger	MITA	Observer
Present	Luiza	Kowalczyk	MITA	Observer

Present	Lisa	Spellman	MITA	Observer
	Peter	Weems	MITA	Observer
	Mariza	Foster	MRI + Radiology Centre	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
	Glen	Hodges	Philips	Observer
	Ben	Kokx	Philips	Voting
	Joe	Luszcz	Philips	Observer
	Jeroen	Medema	Philips	Alt. Voting
	Nikhilesh	Sonar	Philips	Observer
	Vinayachandra	Aithala	Philips India	Observer
	David	Clunie	PixelMed Publishing	Voting
	Michael	Owens	RefleXion Medical	Observer
	Masuyoshi	Yachida	Ricoh Corporation	Observer
	Rex	Kerr	rk-logix, inc	Observer
	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
Present	Hans-Martin	von Stockhausen	Siemens Healthcare GmbH	Voting
	Nikolaus	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.
- 1.4 The minutes from 19 June were approved with no changes.

## 2. Sup/209 Task Group on DICOM Conformance Template Security topics

**Status update** - Sup/209 Task Group awaiting items

**Rob reviewed the Change Proposals (CPs) as noted below.**

- **CPXXX (number not yet assigned) for section G.1 Basic Time Synchronization Profile.**
- **Status:**
  - o Rob created a draft and reviewed, made edits as needed.
  - o **Decision/Next steps:** Group agreed it is ready for review to request a number.
  
- **CP 1942, for Section F.1 Basic Network Address Management Profile**
- **Status:**
  - o Assigned CP number: **CP1942**
  - o Zack and Rob completed the CP and it's in WG-06 review.
  - o Rob reviewed the CP and made edits as needed.
  - o **Decision/Next steps:** Group agreed it is ready for ballot.
  
- **CP1946, for section H.2 DNS Service Discovery to finish the section.**
- **Status**
  - o Assigned CP number: **CP1946**
  - o Bill Jacqmein and Rob completed the CP and it's in WG-06 review.
  - o Rob reviewed the CP and made edits as needed.
  - o **Decision/Next steps:** Group agreed it is ready for ballot.

### Two new CPs were discussed today

**CP1947, Add security considerations for encapsulated formats** (working title for now)

- Request to members:
- Rob noted that this CP could use a better name, so asks feedback from members.
- **<Action>** Members, please send your thoughts to Rob by email - [rjhorniii@gmail.com](mailto:rjhorniii@gmail.com)
- This will be on the August agenda for continued discussion.

**CP1948, Part 10-format-security-considerations**

- Draft was discussed.
- This will be on the August agenda for continued discussion.

### 3. For Sup/209, section 8.4 Expected Process activity:

- This item was discussed at the last WG-31 tcon with Sup/209 and David Clunie.
- There was some question about how to diagram AEs, function units and so on.
- It was noted that security people want to know what is expected to be connected, what data will be sent, what the response will be.

**Status:** This information for Sup/209 template still needs to be drafted.

## 4. Status update and discussion on current security issues

### 3.1 Discussion: CVE write-up

**Note:** This was not discussed on today's call, so this will be on the August agenda.

**Below are the notes from the June meeting which are being left on the minutes and will be on the August agenda so that the discussion points are not lost.**

- Rob reminded that the WG agreed it should identify a list of topics and create up to 700-word response that would be ready to post as needed or to preemptively post on DICOM website. Possible topics:
  - “Here is a medical device, key issues/approaches you should be considering...”
  - We need to have more education or awareness for security people, unless you've worked in a hospital, many of the issues are not as obvious
  - Where is the patient safety message? Patient safety is not a topic that vendors encounter unless they've spent time in healthcare setting. It would also be useful to add MITA/NEMA voice to this as well. Something like “Patient safety introduction for cyber-security experts”

#### <Status Action from June tcon>

- Bill Jacqmein (Agfa) offered to draft a response focused on patient safety
- Timeline: Have a draft for review at August tcon

#### Next Steps from June tcon

- **Review and comment:** *Members, please review and comment on Rob's draft in today's meeting folder. Please focus on*
  - The first two sentences are in the write up and it sends people down the wrong path.
  - Make text persuasive to a MITA security person for why they should remove those two out of the CVE description

### 3.2 Hackers simulate cancer in images

- First reported in the Washington Post. There are steps end users can take to protect such as to use DICOM TLS or digital signatures or other data integrity checks  
[www.theweek.in/news/health/2019/04/04/Researchers-hack-CT-scans-to-create-fake-cancers-in-imaging.html](http://www.theweek.in/news/health/2019/04/04/Researchers-hack-CT-scans-to-create-fake-cancers-in-imaging.html)
- WG14 should draft a response to “Hackers simulate cancer in images” and collaborate with MITA, MITA PR and legal on response. MITA PR firm suggests that we write a response and/or another FAQ and publish on DICOM website. Stay under 700 words and target skill level of the reader

#### <Status Action from June tcon>

- Lawrence Tarbox will draft a response.
- Timeline: To share at August tcon

## 5. Digital Signature issue (Lawrence, Rob)

- We are not going to update the security template at this moment; we are going to revamp the profiles. Someone needs to review the profile.

**<Next Steps>** Continue discussion in August

## 5. New Business

- No new business was presented.

## 6. Old Business

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

- A proposal was sent to Eric Poiseau, Technical Manager, European Connectathon and Steve Moore, Technical manager, NA Connectathon. Steve and John Moehrke requested more info 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 January's call regarding ACME Certificates and other methods.

#### **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 later in 2019.
- Lawrence has a presentation at SIIM2019 that will also cover some of this. Will update at July tcon.

## 7. Next Meetings – tcons:

**Starting in September, WG-14 will meet alternating times on 3<sup>rd</sup> Tuesday of each month (calls were on Wednesdays)**

There was a discussion to possibly move this can hour or two later to help west coast people attend, but we also want to accommodate our Asia-based members. The WG agreed to meet on an alternating schedule as noted below.

**Wednesday 21 August 2019, 9-10am US ET**

<https://global.gotomeeting.com/join/490836789>

**Tuesday 17 September 2019, 11am-12pm US ET**

<https://global.gotomeeting.com/join/208165389>

**Tuesday 15 October 2019, 9-10am US ET**

<https://global.gotomeeting.com/join/647966269>

**Tuesday 19 November 2019, 11am-12pm US ET**

<https://global.gotomeeting.com/join/734478813>

## 8. Next Meetings - F2F

- None scheduled at this time.

## 9. Adjournment

The call adjourned at 10:08am US ET. Report prepared by Lisa Spellman, DICOM General Secretary.

Report reviewed by MITA/NEMA legal counsel: CRS, July 17, 2019.