

MINUTES

WORKING GROUP 14 Security

Date and Time Wednesday 21 August 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

Voting Members Present

ACR
Agfa
Fairhaven Technologies
GE
JIRA
Siemens
Univ. of Arkansas, Med. Sciences

Represented by

James Philbin
Bill Jacqmein
Rob Horn (Co-chair)
Matthew Hillyer
Akihiro Yomoda
Hans-Martin Von Stockhausen
Lawrence Tarbox (Co-chair)

Voting Members Not Present

CFDA
Roger Trevisan
Hologic
Konica MinoltaHealthcare Americas
Laitek
MISAT
OFFIS
PHC Co. LTD
Philips
PixelMed Publishing
Siemens Healthcare GmbH
Stryker Communications

Represented by

Jia Zheng
Change Healthcare
Jeff Garrett
Michael Laconti
Douglas Sluis
Chung-Yueh Lien
Marco Eichelberg
Katsuya Watanabe
Ben Kokx
David Clunie
Hans Martin von Stockhausen
Corey Cochran

Alternate Voting Members, Observers, Guests Present

MITA/DICOM Secretariat Lisa Spellman, Luiza Kowalczyk
MITA Zack Hornberger
Philips Nikhilesh Sonar (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 17 July 2019 were approved with no changes.

2. Status update on MDS2 (Rob)

- The MDS2 is currently in the NEMA publications process. It has passed ballot, legal, and so on.
- Zack indicate that publication is expected end of September 2019. We'll send an announcement
- Rob gave a heads-up to members to expect a lot of changes so they will need to do updates and expect customers to be asking.

3. Review of WG-14 Change Proposals (CPs) in process

New CP: NTP Security considerations – number not yet assigned

- Rob wrote a new CP to clean up and update some past issues with NTP Profile in PS3.15
- No changes to requirements just better documentation in the RFC in brief to “go look on the web”
- This will be presented at WG-06
- Note: This is one of the items needed by the Sup/209 DICOM Conformance Template Task Group

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

- Rob did not receive any feedback beyond this list. The WG reviewed the text on the call. A few small typos were fixed. WG agreed to move this forward to WG-06 for review and consideration
- Note: This is one of the items needed by the Sup/209 DICOM Conformance Template Task Group

Next steps:

- Rob aims to get this into the next WG-06 CP voting packet
- It was suggested to send the approved CP to the researcher

CP1948, Part 10-format-security-considerations

- This CP deals with the malicious file format header issue that was addressed a few months ago.
- The WG reviewed and discussed the draft and made a few minor tweaks.
- Note: This is one of the items needed by the Sup/209 DICOM Conformance Template Task Group
- **Next steps:**
 - Rob aims to get this into the next WG-06 CP voting packet
 - It was suggested to send the approved CP to the researcher

4. White paper review

- Bill Jacqmein reviewed a draft paper he wrote for consideration, working title “*Medical Device Safety and Cybersecurity*” to review some of the differences between cybersecurity IT versus medical devices
- There was a discussion about the potential to include concepts from airline and pharma industry. There was a suggestion to perhaps try to coordinate between FFA and FDA on terms harmonization.
- The security community is not familiar with the safety culture and requirements of medicine. It is also running into the same kind of unfamiliarity with safety culture when dealing with the FAA and avionics. We should find out what terminology and phrasing the FAA is using so that both medicine (FDA) and avionics (FAA) use the same terminology around safety.
- Zack provided the following link for related background reading:
<https://www.aviationtoday.com/2019/06/26/qatar-publishes-new-civil-aviation-cybersecurity-guidelines/>

<Action 1> Next steps: Bill will make edits based on the discussion. The document will be reviewed on the next WG-14 tcon on 17 Sept; a draft will be in the meeting folder ahead of the tcon.

5. Digital Signature issue

- We are not going to update the security template; we are going to revamp the profiles.

<Action 2> Lawrence will have a draft for review at the 17 Sept tcon.

6. **Expected Process activity, DICOM Section 8.4**

- This item was discussed at the 15 July WG-31 tcon with Sup/209 and David Clunie.
- There was some question about how to diagram AEs, function units and so on.

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

<Action 3> Rob will have a draft for review at the 17 Sept tcon.

7. **New Business**

- No new business was presented.

8. **Old Business**

Use of ACME certificates at Connectathons, IHE ITI profile proposal

- There was a discussion on January's call regarding ACME Certificates and other methods.
- A proposal was sent to Eric Poiseau, TM, European Connectathon and Steve Moore, TM, 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

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.
- Rob suggested that a good next step may be to draft a threat model to explain when and where it makes sense to use ACME. Perhaps also tie this to the MITRE ATT & CK model as well.

9. **Next Meetings – tcons:**

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

There was a discussion to possibly move this call an 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.

TUE 17 September 2019, 11am-12pm US ET: <https://global.gotomeeting.com/join/208165389>

TUE 15 October 2019, 9-10am US ET: <https://global.gotomeeting.com/join/647966269>

TUE 19 November 2019, 11am-12pm US ET: <https://global.gotomeeting.com/join/734478813>

10. **Next Meetings - F2F**

- None scheduled at this time.

11. **Adjournment**

The call adjourned at 10am US ET. Report prepared by Lisa Spellman, DICOM General Secretary. Report reviewed by MITA/NEMA legal counsel: Clark Silcox, August 27, 2019.