

## Minutes

**MEETING NAME** WG33: WG-33 Data Archive and Management Tcon

**MEETING** <https://zoom.us/j/461690135>

**PLACE/DIAL IN** **Meeting ID: 461 690 135**

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**DATE & TIME** Wednesday, March 4, 2020 | 11:00 am – 12:00 pm US ET

**PRESIDING OFFICERS** Matthew Bishop, UnityPoint Health  
Keith Eklund, Healthcare Tech Solutions

**VOTING MEMBERS PRESENT**

GE Healthcare	Steven Nichols
GE Healthcare	Jouke Numan
Grafimedia	Pantelis Georgiadis
Healthcare Tech Solutions, LLC	Keith Eklund
Laitek Inc.	Fred Behlen
Laitek Inc.	Harry Solomon
Laitek Inc.	Barry Brown
Mach7 Technologies	Alexey Ulanov
Mayo Clinic	Kenneth Persons
PixelMed Publishing	David Clunie
Society for Imaging Informatics in Medicine	Kyle Henson
Society for Imaging Informatics in Medicine	Matthew Bishop

Varian Medical Systems, Inc. Thomas Schwere  
Vital Images, Inc. Jonathan Whitby  
Vital Images, Inc. Tim Dawson

**OTHERS PRESENT** Ambra Health Daniel Ostrow  
DeJarnette Research Systems Steve Wineke  
DesAcc EMEA Ltd Graham King  
Hyland Software Inc Mike Ullrich  
London Health Science Centre Luiz Aizawa  
Mayo Clinic Brian Willaert  
Mega Informatica Ltd Jacques Fauquex  
Ochsner Health System Matt Hayes

**VOTING MEMBERS** AAPM Shayna Knazik  
**ABSENT** AAPM Nicholas Bevins  
Argentix Informatics Elliot Silver  
European Society of Radiology (ESR) Peter Mildenberger  
Laitek Inc. Doug Sluis  
vICTor Works Victor Derks

**DICOM** Anna Zawacki, SIIM  
**SECRETARIAT**

## **1 CALL TO ORDER AND REVIEW OF ANTI-TRUST RULES AND DICOM PATENT POLICY (Anna)**

- 1.1 The meeting was called to order.
- 1.2 Secretariat reviewed the antitrust policy according to NEMA Standards.
- 1.3 Mr. Solomon reviewed the patent policy.

## **2 WELCOME/ATTENDANCE/INTRODUCTION (Anna)**

Attendance was taken.

## **3 REVIEW AND APPROVE AGENDA (Anna)**

Agenda was reviewed and approved with no objections from the group.

## 4 REVIEW MINUTES (Anna)

The minutes from the Jan 21 meeting were reviewed and approved without objections.

## 5 TOPIC ITEMS TO BE DISCUSSED

### 5.1 Why we are Meeting (Matt/Keith)

The scope of the Work Group shall be the interoperability of systems that archive and manage DICOM data. The focus is on the management and interoperability of the archive data set as a whole, rather than interoperability of the data for individual studies or patients. The initial charge to the WG is to determine appropriate modifications to the DICOM Standard to better support “PACS migrations”, and to propose a corresponding Work Item to the DSC.

### 5.2 DICOM Structure/Process (Harry)

Mr. Solomon reviewed DICOM Structure/Process. He discussed the continuous maintenance process, supplements for major changes and change proposals for minor corrections. He also shared a flow chart of how the DICOM Supplement Process – through Public Comment – works.

More information can be found at:

<ftp://d9-workgrps@medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/WG33/2020/2020-03-04/SupplementProcess.pptx>

### 5.3 PACS Migration Use Case

- *Presentation – Laitek white paper (Harry)*

Mr. Solomon presented the white paper that was the basis of forming this WG.

<ftp://d9-workgrps@medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/WG33/2020/2020-03-04/EnhancedDICOMDIR%2BSharedFileSets.pptx>

Due to time limit, Mr. Solomon will finish presenting this white paper on the next call, March 18 at 11 am ET.

- *Discussion*

- Don't move the Data – it's a sub-case of the use case at hand – PACS Migration, in many cases you need to move the data for instance from prem to cloud
- 2 possible use cases: 1) stay with the same PACS vendor but move the storage; 2) change the PACS vendor and move the storage
- decoupling the need to have storage lifecycle be the same as your PACS lifecycle has value; storage lifecycle exists, at some point moving data will be necessary
- data store requires a technology cycle refresh

- need to maintain cognizance of association with business continuity and disaster recovery plan
- elephant in the room is the metadata – whether is fresh in the bulk data that is stored or if you need a separate index and what the interface to that index is, how interoperable and migratable it is
- separation of apps & data; it's the healthcare org's data not the PACS vendor data
- file system vs object store vs cloud
- boundary between storage of raw data and servers; various storage systems have different special features and part of developing this standard will be to avoid special features that would lock you into a particular system
- to summarize: there is a file format, it has a header and there is a directory
- something to not forget about is – inside a VNA or PACS, whether you have a proprietary viewer or not, files are stored in DICOM par 10 file format, but they are not necessarily a good DICOM par10 file format, many may not have a transfer syntax that's the one you want to use for your next system
- data is what's important, it will live in different homes throughout its life
- we should also not forget about the matter of security in the past and moving forward

#### **5.4 Possible Technical Approaches (as time permits)**

- *Presentation – Laitek (Harry)*
- *Discussion*

Due to time limit, the group was not able to discuss this agenda item. It will be discussed on the next call, March 18 at 11 am ET.

## **6 OLD BUSINESS**

## **7 NEW BUSINESS**

## **8 DATE AND TIME OF NEXT MEETINGS (Anna)**

- *T-con meetings every 2 weeks at first until SIIM Annual Meeting (June 24-26, 2020); then possibly change to monthly*

The group has decided to extend the calls to 90 min for the next couple of months until we meet on site at #SIIM20. The motion has been made and approved by the group. Starting with the next call, March 18 – our bi-weekly calls will be 90-minute calls.

- *Next call is March 18, 2020*
- *In-person meeting at #SIIM20 – Tuesday, June 23 | 2-6 pm CT*

**NEMALINK CODE**

09-WG33

**SUBMITTED BY**

Anna Zawacki, reviewed by Hull, Carolyn

**SUBMITTED ON**

3/16/20

**LEGAL APPROVAL**

CRS, March 17, 2020.

**UPLOAD LOCATION**

Enter upload location.