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Minutes

Joint meeting of
DICOM WORKING GROUP 16 fMRI
 (Functional Magnetic Resonance Imaging)
 and
DICOM WORKING GROUP 16
 (Magnetic Resonance)
Monday-Wednesday, March 18-20, 2019
 @NEMA HQ
 Arlington, VA

Presiding Officer: Wim Corbijn, Philips, Vendor Chair
DICOM Secretariat: Luiza Kowalczyk, MITA/NEMA

Present	First Name	Last Name	Organization	Voting Status
Remote	David	Soltysik	FDA/CDRH/OSEL	Voting
	Khaleel Ahamad	Nadaf	GE Healthcare	Voting
Remote	Steven	Nichols	GE Healthcare	Observer
Present	Nalini	Swain	GE Healthcare	Observer
Present	Michael	Fonte	Medical Numerics	Observer
Present	Luiza	Kowalczyk	MITA	Observer
Present	Cathy	Elsinger	NordicNeurolab	Observer
Present	Thomas	Mangold	Siemens Healthcare GmbH	Observer
Present	Elmar	Seeberger	Siemens Healthcare GmbH	Voting
Remote	Ken	Hwang	UT MD Anderson Cancer Center	Observer

1. Opening

- Call to order and roll call
- Antitrust rules and DICOM Disclosure Patent Policy were reviewed
- Agenda was reviewed and approved
- Minutes from the previous t-cons were approved.

2. Supplement 210 Paradigm Protocol Storage [WI 2014-12-A]

- Data model 18-03-2019 end.xlsx - The sheet includes: modules for definitions and executed modules definition.
- Data model 18-03-2019 start.xlsx

Action Item: Distribute an updated Data model to WG-16- W. Corbijn

- Sup_210_Paradigm_Protocol_Storage_06-11-2018 end.docx
- sup210 Paradigm Protocol Storage 18-03-2019 start.pptx
- sup210 Paradigm Protocol Storage 18-03-2019 end.pptx

3. Supplement XXX MR Protocol Storage [WI 2018-09-B]

- Reviewed and discussed the MR Protocol Storage.
- It was suggested to look at the WG-02 NWIP
 - o WG-02 - Sup XXX MR Protocol Storage [WIP 2018-09] (DSC Sep. 2018) (This Supplement will be reviewed by WG-06 in June, it does not have a number yet)
 - o This NWIP is uploaded on the ftp in the DSC directory:
<ftp://medical.nema.org/medical/Private/Dicom/WORKGRPS/Committee/2018/2018-09-26/>
- supMRProtocol_draft.docx
- supMRProtocol_draft-2019-03-18-1140USET.docx

Action Item:

Include the following attributes:

**Table C.34.x.5-1
PERFORMED MR ACQUISITION MODULE ATTRIBUTES**

>Include 'Enhanced Contrast/Bolus Module' Table C.7-12b
>Include 'MR Pulse Sequence Module' Table C.8-87
>Include 'Enhanced MR Image Functional Group Macros' Table A.36-2
>Include 'MR Spectroscopy Module' Table C.8-102
>Include 'MR Spectroscopy Pulse Sequence Module' Table C.8-103
>Include 'MR Spectroscopy Functional Group Macros' Table A.36-4
>Include 'MR Spectroscopy Data Module Attributes' Table C.8-106

**Table C.34.x.6-1
PERFORMED MR RECONSTRUCTION MODULE ATTRIBUTES**

Action Item:

Include the following Enhanced MR Image Functional Group Macros

MR Image Frame Type - [C.8.13.5.1](#)

MR Imaging Modifier - [C.8.13.5.6](#)

Plane Position (Patient) - [C.7.6.16.2.4](#)

MR Echo - [C.8.13.5.4](#)

MR Receive Coil- [C.8.13.5.7](#)

MR Spatial Saturation- [C.8.13.5.11](#)

MR Velocity Encoding - [C.8.13.5.13](#)

References:

http://dicom.nema.org/medical/dicom/current/output/chtml/part03/sect_A.36.2.4.html

QUESTION: DICOM PS3.3 2019a - Information Object Definitions - should we or can we use it?

Meeting folders:

<ftp://medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/Wg16/2019/2019-03-18/>

<ftp://medical.nema.org/MEDICAL/Private/Dicom/WORKGRPS/Wg16/fMRI/2019/2019-03-18/>

4. DICOM Working Group Report

- <https://www.dicomstandard.org/wgs/wg-16/>

The DICOM WG-16 MR Group Report has been updated, and posted in the meeting folder on the ftp server.

- DICOM_WG-16_DSC_Report-2019-04-05.docx

Action Item:

- o Present the report at the DICOM Standard Committee meeting on April 5, 2019 – L. Kowalczyk
- o Mention that the scope of WG-16 has been slightly updated by members of WG-16.

5. New Business

6. Future Meetings

T-cons:

- WG-16 fMRI: Monday, April 1, 2019, 10:00-11:30 US ET
- WG-16 MR: Thursday, May 2, 2019, 10:00-11:30 US ET

<http://workspaces.nema.org/dicom/Lists/Calendar/calendar.aspx>

In Person:

We discussed the possibility of having another F2F meeting in conjunction with the 13th [ASFNR](#) Annual Meeting in San Francisco, CA.

Days and Times: Thursday-Friday, October 31-November 1, 2019, 9:00-17:00 local time –NOT CONFIRMED YET

Action item: Members of WG-16 MR & WG-16 fMRI to confirm their attendance within couple of weeks-

Secretary Note: DICOM WG-16 will have time slots on the June WG-06 agenda.

7. Adjournment

The meeting was adjourned on Wednesday, March 20th 11:30 am US ET.

Submitted by Luiza Kowalczyk, MITA/DICOM

Reviewed by MITA/NEMA legal counsel: CRS, April 17, 2019.