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

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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.

   - 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

   - Reviewed and discussed the MR Protocol Storage.
   - It was suggested to look at the WG-02 NWIP
     - 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)
     - 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/

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.