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MINUTES

DICOM WG-06 Base Standard
 June 15-19, 2020
 Remote Meeting Replacing F2F

Presiding Officers:

Bjorn Nolte, Siemens Healthineers, Chair
 David Clunie, PixelMed, DICOM Editor

DICOM Secretariat:

Shayna Knazik, MITA/NEMA

Voting Members Present	Represented by		Monday	Tuesday	Wednes- day	Thursday	Friday
			6/15	6/16	6/17	6/18	6/19
Agfa	Paul Seifert	Voting	X	X	X	X	X
Canon	Kevin O'Donnell	Voting	X	X	X	X	X
Fairhaven Technologies	Robert Horn	Voting	X	X	X	X	X
GE Healthcare	Steven Nichols	Voting	X	X	X	X	X
JIRA	Akihiro Yomoda	Alt Voting	X	X	X	X	X
MITA/NEMA	Shayna Knazik	Voting	X	X	X	X	X
Philips	Wim Corbijn	Voting	X	X	X	X	X
PixelMed Publishing	David Clunie	Voting	X	X	X	X	X
Siemens	Björn Nolte	Voting	X	X	X	X	X

Others Present (Alternate Voting Members, Observers, Guests)							
Company/ Organization	Represented by		Mon 6/15	Tue 6/16	Wed 6/17	Thu 6/18	Fri 6/19
AAPM	Nick Bevins	Obs.			X	X	
AAPM	Donald Peck	Obs.			X	X	
Agfa	Bill Wallace	Obs.		X			
Argentix	Elliot Silver	Obs.	X	X			
Brainlab	Christof Schadt	Obs.	X	X	X	X	X
College of American Pathologists	Kevin Schap	Obs.			X		
Elekta	Jim Percy	Obs.	X				X
Harvard University	Andrey Federov	Obs.	X		X	X	
Laitek	Harry Solomon	Obs.			X	X	X
Individual	Ulrich Busch	Obs.	X		X		
Individual	Stephen Vastagh	Obs.	X				
Mayo Clinic	Kenneth Persons	Obs.		X			
MUSC	Jonathan Halford	Obs.			X	X	
SigmaSoft	Silvia Winkler	Obs.				X	
Univ. of Queensland	Liam Caffery	Obs.			X		
Vital Images	Jonathan Whitby	Obs.	X	X			

1. Agenda— The agenda was reviewed and approved.
2. Welcome— The meeting was called to order. A quorum was present.
3. Antitrust/Patent Statement—The NEMA antitrust and DICOM patent statement were reviewed.
4. Review of Minutes- The minutes from the March 2020 WG-06 meeting were approved.

Report on Correction Proposals

C-Pack 106: Approved for Final Text

- **1596** Modality LUT in Volumetric Presentation State
- **1962** Changes to Abomen-related anatomy concepts in SNOMED CT
- **1966** Explicitly define the order of pitch and roll rotations
- **1967** Align Beam Type Attribute Description
- **1968** Clarify term Verify in RT Beams Delivery Instruction
- **1969** RT Anatomic Prescription Color
- **1970** Clarifications of Modulated Scan Mode Type (300A,0309) and related examples
- **1971** RT Ion Beams Correction for Scan Spot Size Record
- **1972** Add Work item Code for Emergency Treatment
- **1976** Frame Type reference
- **1977** Multienergy Sequence Testing
- **1981** Part1 update to include DICOM-RTV
- **1984** Add Slide Plane Orientation information to Segmentation
- **1985** Improve handling of Route of Administration
- **1986** Give Planned IAASR the ability to be treated in a specific order
- **1987** Make rows that are only meaningful for Automated Administration conditional
- **1988** Improve the definition of programmable device as used in contrast administration
- **1989** Fix condition on presence of manually triggered injection information
- **1991** Make coding of Phase duration conditional on not being a manual administration
- **1993** OB-GYN Ultrasound code and template updates

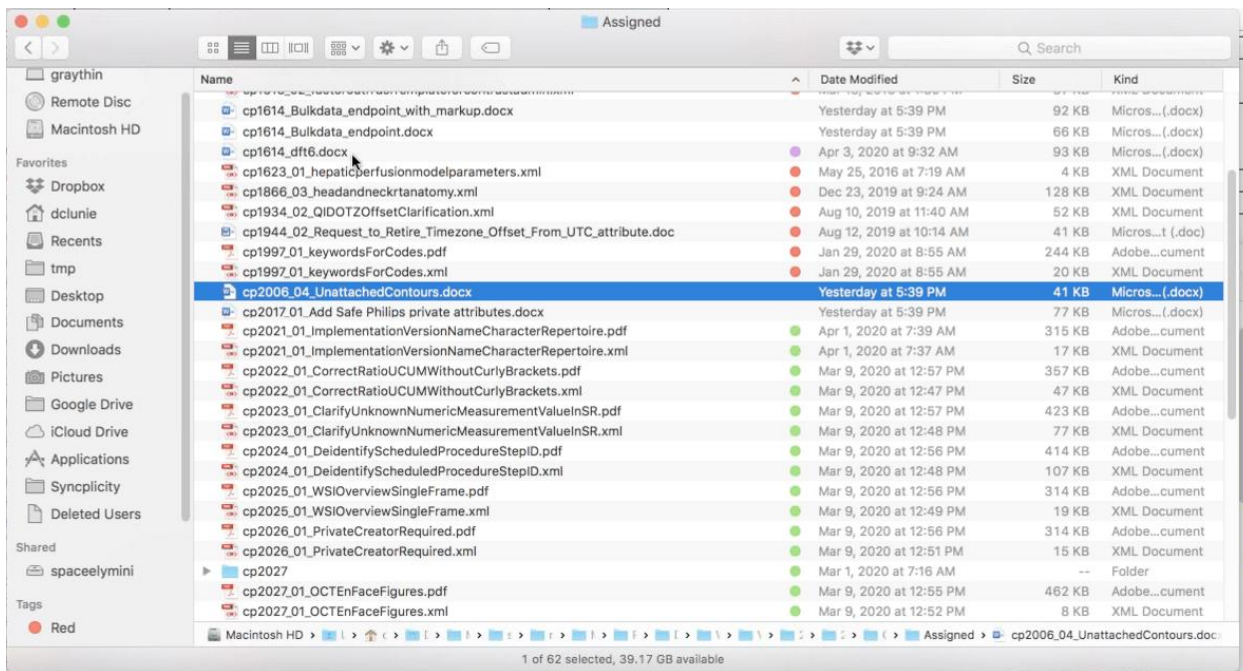
C-Pack 107: Approved for Letter Ballot Voting as amended

CP #	Title
1881	Add IEC 62985 Size Specific Dose Estimation
1951	Add ultrasound Probe ID
1974	Overlay usage with Multi-frame Image unclear
1994	Primary Anatomic Structure Sequence has no CID defined
1995	Add keywords for standard UIDs
1996	Correct duplicate assignment of UID to ICD-11 already used for Dublin Core
1998	Relax unnecessary TID 1500 requirements to simplify for some AI/ML use cases
1999	Non-measurement 2D and 3D coordinate and image references
2000	Angle measurement codes and templates
2001	Add to general volume calculation methods
2002	Add to well known brain atlas frames of reference
2003	Add missing item count in Multi-energy CT Characteristics Macro Derivation Algorithm Sequence
2004	Make Frame Anatomy in Parametric Map Optional
2005	Deformable Registration Codes
2007	Referenced Dose Reference UID is missing from Referenced Brachy Application Setup Sequence
2008	Add Synchronization Module to CT IOD
2009	Update use of may to shall for mandatory usage
2010	New ImageType(s) for Multi-energy CT Acquisition: ENERGY_VRPROP_WT

2011	TID 10015. CT Dose Check Details: Alternative dose alert behavior according NEMA XR-25 (2019)
2012	Add Comments on Radiation Dose (0040,0310) to PS 3.15 Table E.1-1
2013	Replace DCM code for Soft Tissue with SNOMED code
2018	Description of CTDivol is not complete
2019	Correct inconsistencies from Sup188 (Attribute presence, Rescale Type Definition (%))

Assigned CPs

Please upload the VP version (candidates for the August Voting Package/CPack-107) in the August VP mtg folder (see the screen shot below):



- **1614** moved to August 2020 Voting Packet
- **2006** moved to August 2020 Voting Packet
- **2017** moved to August 2020 Voting Packet
- **2021** moved to August 2020 Voting Packet
- **2022** moved to August 2020 Voting Packet
- **2023** **remains assigned to David Clunie; add condition to Type 2 value**
- **2024** moved to August 2020 Voting Packet
- **2025** moved to August 2020 Voting Packet
- **2026** moved to August 2020 Voting Packet
- **2027** moved to August 2020 Voting Packet
- **2028** **remains assigned to David Clunie; Action Item for David:** send around informal request for comments from SNOMED, specifically completeness versus extensiveness
- **2029** moved to August 2020 Voting Packet
- **2030** moved to August 2020 Voting Packet
- **2031** moved to August 2020 Voting Packet
- **2032** moved to August 2020 Voting Packet
- **2033** moved to August 2020 Voting Packet

- **2034** remains assigned
- **2035** moved to August 2020 Voting Packet
- **2036** moved to August 2020 Voting Packet
- **2037** moved to August 2020 Voting Packet
- **2038** moved to August 2020 Voting Packet
- **2039** moved to August 2020 Voting Packet
- **2040** moved to August 2020 Voting Packet
- **2041** moved to August 2020 Voting Packet
- **2042** moved to August 2020 Voting Packet

New CPs

- **2061** Factor out Spacing Between Slices into Image Plane Module
- **2062** Add Device UID to Contributing Equipment Sequence
- **2063** Add code for geometric centerline
- **2064** Code to reference a contributing processing algorithm
- **2065** Update Part 10 definitions
- **2066** Part 18 lacks DICOM Communication Model

Report on Supplements

SECRETARY NOTE: All documents are uploaded on the ftp server in the directory of WG-06. Please refer to documents for more technical details.

1. Sup220 Prostate Imaging SR

- Short link to this document: <http://bit.ly/pirads-dicom-supplement>
- Reviewed and discussed (WG-08)
- Working towards Public Comment draft
- Returns for review (Pre-Letter Ballot) in August 2020

DECISION: Approved for Public Comment pending amendments

2. Sup221 Dermoscopy

- a. Reviewed and discussed (WG-19)
- b. Provisionally approved for Letter Ballot

DECISION: Approved for Letter Ballot final pending amendments

3. Sup160 2G RT Patient Positioning & Workflow

- a. Reviewed and discussed (WG-07)
- b. Additional work is needed before PC can take place. WG-07 plans to bring back to WG-07 in August 2020.

4. Sup199: 2G RT Radiation Record

- a. Reviewed and discussed (WG-07)
- b. Provisionally approved for Final Text

DECISION: Approved for Final Text pending amendments

5. Sup211: DICOMweb Retrieve via ZIP

- a. Reviewed and discussed (WG-27) Public Comments and went through line-by-line on version 21 of the Supplement. Additional comments will be incorporated and the Supplement will return to WG-06 in August 2020 for Letter Ballot.

6. Sup214: Cone Beam CT in RDSR

- a. Reviewed and discussed the changes that WG-28 made since their last presentation to WG-06 in March 2020.

DECISION: Approved for Public Comment pending amendments

7. Supp 217: Neurophysiology Waveforms

- a. Reviewed and discussed.

DECISION: Approved for Final Text pending amendments

Upcoming WG-06 Meeting Schedule

1. 2020 meetings

- a. August 31-September 4, 2020
- b. November 9-13, 2020

2. 2021 meetings

- a. January 11-15, 2021
- b. March 22-26, 2021
- c. June 21-25, 2021
- d. August 30-September 3, 2021
- e. November 8-12, 2021

Next Meeting Agenda

The agenda plan is posted in the August 2020 meeting folder.

Adjournment

The meeting began at 9:00AM US ET Monday, June 15th, and was adjourned at 12:55PM Friday, June 19th.

Prepared and submitted by Shayna Knazik
Reviewed by Counsel Peter Tolsdorf