Secretariat: NEMA/MITA
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MINUTES

HYBRID IN-PERSON/VIRTUAL MEETING OF
DICOM STANDARDS COMMITTEE (DSC)

Logistics:	**September 23, 2025,** 9:00am - 5:00pm Malaysia Standard Time, UTC+8 Universiti Putra Malaysia (UPM) 43400 Serdang, Selangor, Malaysia
Presiding Officers:	Annalisa Trianni, EFOMP/ESR, DSC User Co-Chair Fred Behlen, Laitek, DSC Producer Co-Chair
Secretariat:	Shayna Knazik (NEMA)

1. **Administrative Items**
   - Participants were welcomed and the meeting was called to order at 9:02am.
   - Staff reminded members of the Guidelines for Conducting NEMA Meetings and DICOM Patent Disclosure Policy: https://www.dicomstandard.org/patent
   - The agenda was reviewed.
   - The previous meeting minutes from May 8, 2025 were reviewed and approved. ***MOTION:*** Kevin O'Donnell made a motion to approve the meeting minutes. The motion was seconded by Lawrence Tarbox and approved without objections or abstentions.

2. **DICOM Standard Committee Membership Applications**
   - None at this time

3. **New WGs Membership Applications**
   - **WG-21 CT Voting Member application:** Christopher Cocchiaraley, Consumer Advocate/Executor of the Estate of Veronica M. Cocchiaraley. Individual patent form was reviewed and is uploaded to the FTP. Christopher has been an active observer on WG-21 and is now authoring a Change Proposal to add metal artifact reduction info metadata.
   - ***MOTION:*** Lawrence Tarbox made a motion to approve Christopher Cocciaraley as Voting Member of WG-21. Jeroen Medema seconded, and the motion was approved with no objections or abstentions.

- Action: Shayna Knazik will add Christopher Cocciaraley to the WG-21 roster as a Voting Member.

4. **New Work Item Proposal**
   - Kevin O'Donnell presented a NWIP on "For Processing" CT SOP Classes, on behalf of WG-21, to enable proper storage and exchange of multi-energy basis images without disrupting reading workflows. This would bring CT in line with other modalities that already have "For Processing" SOP Classes. Feedback was provided, and Kevin agreed to soften the language on expected implementations as well as acknowledge possible variations.
   - ***MOTION:*** Kevin O'Donnell made a motion to approve this New Work Item Proposal. Björn Nolte seconded the motion, and it was approved with no objections or abstentions. This was assigned the Work Item number 2025-09-A.

5. **Stakeholder Reports**
   - CIMICS: Bryan Fan and Jianming Qu shared updates about their current activities. The full report is located on the FTP. CIMICS has offered to host a 2026 DSC meeting in Sichuan or Guangdong Province.
     - Action: Shayna will continue conversations with CIMICS to arrange a DSC meeting in China next year.

   - JIRA & JAHIS: Shinichi Nakano (JIRA) and Kiyoko Tateishi (JAHIS) provided updates on current JIRA and JAHIS activities. The full report is located on the FTP.

6. **DSC Co-Chair Status**
   - **DSC Producer Co-Chair Fred Behlen**
     - Fred's first term is up on December 31, 2025, however, he announced his full retirement at the end of the year. The call for nominations for the next DSC Producer Co-Chair was circulated on May 8, 2025. No self-nominations were received.
     - The DSC appointed a three-member nominating subcommittee consisting of one producer member (Andreas Klingler), one user member (Lawrence Tarbox), and one former DSC officer (Kevin O'Donnell). **The nominating subcommittee identified Steve Nichols as a candidate.**
     - Process as per DICOM Policies and Procedures:
       1. The floor was opened during today's meeting for additional nominations as per policies, but no additional nominations were received. Steve Nichols will be the only candidate on the Letter Ballot.
       2. Prior to the last DSC meeting of the year (December 4, 2025) the Secretariat will issue a letter ballot.
       3. The elected person is announced at the last meeting and assumes office immediately after.
     - Action: Shayna Knazik will issue a Letter Ballot prior to the next DSC meeting.

   - **DSC User Co-Chair Annalisa Trianni**

- Annalisa's second term is up on December 31, 2026. The DSC will discuss the next election process at the first meeting of 2026.

7. **Secretariat Updates**
   - **Strawman for dues process:**
     - Fred Behlen provided a brief overview of the transition following the shift of advocacy work and related financial support from MITA, a division of NEMA, to AdvaMed. Discussions between NEMA and AdvaMed regarding the potential transfer of DICOM seem to have reached a standstill, so DICOM will continue with NEMA serving as Secretariat.
     - The group discussed the timing of the dues process with NEMA and agreed that any proposed changes to dues should be brought to the DSC at the RSNA meeting each year. It was also noted that members generally expect dues to remain stable year-to-year, with periodic reviews (approximately every five years) to consider potential adjustments.

   - **Discussion of potential new membership categories**
     - The group considered creating a new, free membership category for open-source organizations. Members were supportive but emphasized the need for clear definitions and guidelines (e.g., OSI-approved licenses) and a process to ensure continued compliance as open-source organizations in good standing.
     - The group also discussed entry-level or discounted memberships for one to two years, as well as options for companies from developing countries, start-ups, and smaller companies. For developing countries, there was support to use indexing to determine dues, referencing SIIM's "Emerging Nation Member" category which is based on the World Bank's List of Emerging Nations.
     - **Action:** Shayna will send a poll to schedule an Executive Committee meeting in mid-October. These calls are expected to recur approximately every two months. Shayna will also add "New Membership Categories" to the next agenda.

8. **WG-06 Report - Björn Nolte, WG-06 Chair**
   - Björn Nolte presented updates on behalf of WG-06. The full report is available on the FTP.
   - Björn reiterated the importance of companies encouraging their representatives to actively participate in WG-06. Despite previous reminders, this has not led to significant new membership. The group requested that Shayna conduct direct outreach as part of a recruitment effort. Shayna proposed cross-referencing the DSC and WG-06 rosters to encourage DSC members to designate a representative for WG-06.
     - Action: Shayna will add this item to the WG-06 agenda for further discussion during their November meeting.
   - The group reviewed a list of older Work Items that have not yet been initiated (i.e., not presented to WG-06 for a First Read). They requested that Shayna contact the relevant Working Groups to obtain a status update.
     - Action: Shayna will reach out to the WG's with older, stalled Work Items.

9. **Working Group Reports**

- **WG-01 Cardiac and Vascular Information/WG-12 Ultrasound:** The groups continue to hold monthly joint meetings with good participation. Their current activities are primarily ultrasound-driven. Kevin also noted that WG-01 still has no Chairs, and WG-12 only has one Chair. Action: Shayna will add this item to the next Executive Committee call.

- **WG-02 Projection Radiography and Angiography/WG-28 Physics:** The groups continue to meet jointly and regularly with active participation amongst users and vendors. They will meet in Maine in October to continue preparing Sup245 RDSR for Public Comment, as well as work on the RF protocol storage Supplement.

- **WG-03 Nuclear Medicine:** WG-28 is collaborating with EFOMP on Nuclear Medicine topics and the potential reactivation of WG-03.

- **WG-04 Compression:** The group is currently inactive.

- **WG-05 Exchange Media:** No report provided.

- **WG-07 Radiotherapy:** WG-07 continues to meet in-person and hold conference calls to address Change Proposals.

- **WG-08 Structured Reporting and Common Data Elements:** The group remains largely inactive.

- **WG-09 Ophthalmology:** Supplement 247 was approved for Final Text, and Harry Solomon has announced his retirement as AAO liaison. The group continues to draft Change Proposals.

- **WG-10 Strategic Advisory:**
    - The group met yesterday with active participation to discuss potential use cases and New Work Item Proposals related to DICOM 4 motivators raised over the past year. The first area under investigation is the ImagingStudy Object in collaboration with WG-27 Co-Chair Bill Wallace, focusing on C-FIND metadata, partial retrieves, and related issues. An Instance Registry Service is also being explored. While no conclusions have been reached, the group will continue to develop these topics during monthly calls beginning in October 2025.
    - Regarding ISO 12052 (the ISO version of Part 1 of DICOM, which references all other parts of the Standard), this provides an ISO number without requiring balloting for each new release. This arrangement has been in place since 2004 and is renewed every five years. Although the ISO version sees few downloads due to the DICOM Standard being freely accessible, the administrative impact on ISO is minimal. The most recent ballot received no negative votes but included editorial comments on formatting, which Kevin O'Donnell is addressing. The revised edition is expected to be re-published by the end of the year.

- **WG-11 Display Function Standard:** The group remains dormant.

- **WG-13 Visible Light:** The group remains dormant.

- **WG-14 Security:** The group meets monthly with good participation and is primarily monitoring CPs.

- **WG-15 Mammography and CAD:** The group remains dormant but continues to monitor CPs.

- **WG-16 Magnetic Resonance:** The group remains inactive. This is another WG that needs a second Co-Chair.

- **WG-17 3D:** The group has opted to meet 1-2 times per year until there is some clear direction on which 3D file formats (like AMF, 3MF, etc.) should be adopted, then new work items will be considered to incorporate them into the Standard.

- **WG-18 Clinical Trials and Research:** No new activity but CPs are being addressed through WG-06.

- **WG-19 Dermatology:** The group is very active with great participation and is currently working on whole-body photography and 3D use cases.

- **WG-20 Integration of Imaging and Information Systems:**
    - The group meets very regularly mostly focusing on FHIR and FHIR resources. R6 is going through re-balloting process now, with November as the lock down date to go into R6 Normative Ballot. R6 is expected to be released late 2026, which will be a huge milestone for FHIR. ImagingStudy and ImagingSelection are the two key Imaging Resources in this Release.
    - Rather than a revision to the SOU, it would be quicker to send a letter regarding the Radiation Dose Report Summary IG which is not explicitly stated in the DICOM-HL7 SOU. The other issues regarding Secretariat support and ability for WG-20 members to attend meetings remotely can be handled through a revision of the SOU.
    - Action: Nagarajan Ns will draft a few sentences that supports the use of the specific code and send it to Shayna to coordinate with Kevin O'Donnell and Brian Bialecki.

- **WG-21 Computed Tomography:** Monthly meetings have good participation from regular participants. Separate calls have been convened to discuss MECT. WG-21 presented a New Work Item Proposal on "For Processing" CT SOP Classes which was assigned the Work Item # 2025-09-A and will have a First Read at the next WG-06 meeting (Nov. 2-6, 2025).

- **WG-22 Dentistry:** Trishul Allareddy reported that the group continues to meet and there are no major updates since the last report in May.

- **WG-23 Artificial Intelligence/Application Hosting:** Continues to meet monthly with reasonable participation. Supplement 224 was withdrawn and in its place is Supplement 251 Application Request.

- **WG-24 DICOM in Surgery:** The group is not totally dormant but also not very active. They are looking at real-time video applications in surgery, as well as AI workflows and how that would apply to surgery. There is a growing collaboration between WG-23 and WG-24.

- **WG-25 Veterinary Medicine:** No activity.

- **WG-26 Pathology:** David Clunie has been the primary liaison to this group which hasn't been meeting regularly on calls but is preparing for an upcoming Connectathon. There has been some pushback in various spaces but in general DICOM is being accepted in Pathology.

- **WG-27 Web Services for DICOM:** Supplement 246: DICOMweb Modality Services was approved for Final Text in late August. Supplement 248: DICOMweb Send focuses on the inclusion of C-MOVE and is being prepared for Public Comment.

- **WG-29 Education, Communication, and Outreach:** The group met yesterday and will continue with monthly web conferences beginning October 16, 2025. Participation remains strong, with many DSC attendees joining. Agenda items include updates to the DICOM history page and the English-language DICOM Wikipedia page, with updates to other language pages paused until the English version is complete. WG-29 is also coordinating with potential hosts for the next DICOM Educational Conference. Kevin O'Donnell is in discussions with Brazil to target spring 2027, while other potential venues are also being explored.

- **WG-30: Small Animal Imaging:** The group remains dormant.

- **WG-31 Conformance:** The group remains dormant, with occasional meetings held to address CPs.

- **WG-32 Neurophysiology Data:** The group meets regularly with good participation. Most work is focusing CPs.

- **WG-33 Data Archive and Management:** The group remains dormant this year.

- **WG-34 Photoacoustic:** WG-34 Photoacoustic is on pause while the industry partners continue to work on clinical integration of the new modality.

10. Hot Topics

- Our hosts from UPM asked several general questions about DICOM.

11. Future Meeting Dates

- RSNA – Thursday, December 4, 2025, Chicago, Illinois
- 2026 meeting locations being investigated: China and Prague – TBD
- Potential DICOM Educational Conference in 2026/2027 – TBD

12. New/Old Business

- None at this time.

13. Adjournment

- The meeting was adjourned at 3:23pm Malaysia Standard Time.

Voting and Alternate Voting Members Present	
Company/ Organization	**Represented by**
AAPM & University of Arkansas for Medical Sciences	Lawrence Tarbox
AdvaMed	Carolyn Hull
Agfa HealthCare	Bruno Laffin
Canon Medical	Kevin O'Donnell
CIMICS	Bryan Fan (Alt. Voting)
CIMICS	Jianming Qu
Elekta	Adam Zhu
GE HealthCare	Nagarajan Ns (Designated proxy for Steven Nichols)
JAHIS	Kiyoko Tateishi
JIRA/Canon Medical	Shinichi Nakano
JIRA	Akihiro Yomoda (Alt. Voting)
JSRT	Hiroshi Sakamoto

Laitek	Fred Behlen
NEMA	Shayna Knazik
Philips	Jeroen Medema
PixelMed Publishing	David Clunie
Siemens Healthineers	Andreas Klingler (Alt. Voting)
Siemens Healthineers	Björn Nolte
Voting Members Absent (* Asterisk = Not present at two consecutive meetings and therefore not counted for quorum during this meeting)	
Company/ Organization	**Represented by**
*AAPM	Nick Bevins
*Accuray	Bob Pekarek
*ACR	Brian Bialecki
*American Academy of Oral and Maxillofacial Radiology (AAOMR)	Allan Farman
*American Association of Orthodontists	Kirt Simmons
*Brainlab	Christof Schadt
*Brazilian College of Radiology	Alexandra Monteiro
*Canada Health Infoway	Linda Monico
*CAP	Kevin Schap
*Center for Medical Device Standardization Administration	Jia Zheng
Cincinnati Children's Hospital	Stephen Clark

*Deutsche Ophthalmologische Gesellschaft	Nicole Eter
*Deutsche Röntgengesellschaft	Elmar Kotter
DICOM Usergroup Austria	Silvia Winkler
*Dolby Laboratories	Brian Lee
EFOMP/ESR	Annalisa Trianni
*ESR	Peter Mildenberger
*FDA	Daniel Krainak
*GE HealthCare	Steve Nichols
Hologic	Janet Keyes
*IBA	David Wikler
*Korean PACS Standards Committee	Hee-Joung Kim
*Leica Biosystems	Jean Desire
MedicalCommunications	Wolfgang Schultz
*Medical Image Standards Association of Taiwan	Chung-Yueh Lien
*National Health Service	Craig Sayers
*RSNA	Chris Carr
Sectra Imaging	Krister Valtonen
*SIIM	Cheryl Carey
*Varian	Kari Jyrkkälä
VISUS Health IT GmbH	Marc Kämmerer

*Web3D Consortium	Nicholas Polys
Observers Present	
Company/ Organization	**Represented by**
Technology Research Center of Medical Digital Imaging Service of Guangdong Province	Yanjun Cheng
JAHIS	Salt Yasunari Shiokawa
NEMA	Hae Choe
Raster Images	Suresh Viswanathan
Siemens Healthineers	Peter Chripunow
Universiti Putra Malaysia	Zaharah Ahmad
Universiti Putra Malaysia	Sarawana Chelliah
Universiti Putra Malaysia	Mohd Zamzuri Che Daud
Universiti Putra Malaysia	Maheran Che Ha'
Universiti Putra Malaysia	Rozana H. Hussain
Universiti Putra Malaysia	Faikah Awang Ismail
Universiti Putra Malaysia	Norasikin Ismail
Universiti Putra Malaysia	Mohd Yusri Bin Mohd Jainury
Universiti Putra Malaysia	Izdihar Kamal
Universiti Putra Malaysia	Muhammad Khalis Abdul Karim
Universiti Putra Malaysia	Zanariah Mohamad

Universiti Putra Malaysia	Nor Azura Muhammad
Universiti Putra Malaysia	Husain Murat
Universiti Putra Malaysia	Mohamad Norman Bin Mohd Nordin
Universiti Putra Malaysia	Mohd Zaidi Abdul Rahman
Universiti Putra Malaysia	Said Mohd Shaffiq Said Rahmat
Universiti Putra Malaysia	Zarina Ramli
Universiti Putra Malaysia	Mohd Aminudin Bin Said
Universiti Putra Malaysia	Mohd Najib Shamsuddin
Universiti Putra Malaysia	Rozaini Zharif Zakaria
WeAnsa Malaysia	Paul Antony
WeAnsa Malaysia	Adli Hilmi

Prepared and submitted by Shayna Knazik