

	Ignacio Ramírez	Paulino	Facultad de Ingeniería - Universidad de la República	Observer
	Sandor	Benizcky	Filadelfia	Observer
	Steve	Nichols	GE Healthcare	Observer
	Gardar	Thorvardsson	Kvikna / Stratus EEG	Observer
	Richard	Moberg	Moberg Research, Inc.	Observer
	Desire	Jean		Observer
	Casey	Stengel	Neuralynx	Observer
	Bill	Antilla	Nihon Kohden Corporation	Observer
	Ryuzo	Mase	Nihon Kohden Corporation	Observer
	Koichiro	Matsumoto	Nihon Kohden Corporation	Observer
	Pedro Fernando	Arizpe Gomez	OFFIS e. V.	Observer
	Daniel	Crepeau	Dark Horse Neuro	Observer
	Andrey	Pirozhenko	Persyst	Observer
Present	Shane	Ponzikoff	Persyst	Observer
	Wouter	Potters	Amsterdam UMC, Netherlands	Observer
	Stefan	Rampp	University Klinikum Erlangen	Observer
	Dagmar	Krefting	University Medical Center Göttingen	Observer
	Marco	Rossi	University of Milan, Italy	Observer
	Gloria	Menegaz	University of Verona, Italy	Observer
	Matan	Oppenheim	Zebra Medical Vision	Observer
Present	Jonathan	Pfaff	Fraunhofer Heinrich Hertz Institute HHI	Observer
Present	Gary	Sullivan	ITU-Rapporteur	Observer
Present	Kristian	Bernard Nilsen	Oslo University Hospital	Observer
Present	NS	Nagarajan	GE Healthcare	Observer

1. CALL TO ORDER AND REVIEW OF ANTI-TRUST RULES AND DICOM PATENT POLICY

The meeting was called to order at 10:03 AM. Participants were reminded that the Guidelines for Conducting NEMA Meetings and Patent Disclosure Policy are in effect and they may be found here: <https://www.dicomstandard.org/patent>.

2. WELCOME/ATTENDANCE/INTRODUCTION

Attendance was taken.

3. REVIEW AND APPROVE AGENDA

The agenda was reviewed, motion to approve by JH and seconded by SP.

4. REVIEW MINUTES

The minutes of the 15 February 2024 meeting were reviewed, motion to approve by JH and seconded by SP.

5. OLD BUSINESS

Silvia Winkler reviewed the following:

- Silvia Winkler discussed Supplement 239 (SR for Waveform Annotations): Supplement has been approved to go out for Letter Ballot, has not yet been sent out.
- Silvia Winkler discussed Supplement 236 (PR for montage and visualization filters): WG-06 was meeting recently and reviewing this Supplement. SW commented that WG-06 specified that there should be two different IODs to encode this PR and data must be encoded EITHER with:
 - An IOD representing the recording use case with MANDATORY montages and continuous montage activation timepoints
 - An IOD with optional montages and montage activation timepoints for the other use cases.
 - Both IODs also comprise simple text annotations, highlighted waveform segments, and display properties for annotations coming from a separate Annotation SR.236 is not yet ready for public comment and will need to be reviewed by WG-06 at least one more time.
- Silvia Winkler discussed that CP2367 Retirement of Sleep Stage codes has been approved to go out for Letter Ballot (as Part of CPack #126)
- Codec for Biomedical waveforms
 - Jon Halford brought up discussion on how/where to store data and testing codecs for biomedical waveforms. Jon Halford mentioned he would check with his university to see if it was possible to store EEG data, and report back at the next meeting. Jon Halford discussed that Ben Brinkmann, Stefan Rampp, and Jan Remi had offered to contribute de-identified and non-coded intracranial EEG data to such a data repository.
 - A Liaison between WG-32 and ITU-VCEG (Study Group 16) \ was approved by ITU on 7 Nov 2022 after an inquiry from WG-32. ITU has already approved a work item and a call for proposals for a codec for biomedical waveforms was recently issued by ITU per Gary Sullivan (of ITU), who was present at this meeting.

6. NEW BUSINESS

- Jon Halford proposed that WG-32 begin work on new IOD for LTM EEG and Sleep Monitoring which will incorporate a codec bitstream with blocking and indexing for rapid

access during review. No codec has been selected by DICOM for this yet. Jonathan Pfaff (ITU-VCEG) asked if the codec would need to contain metadata. Jon Halford answered that he did not think that the codec bitstream would include metadata because the metadata would be stored in DICOM, probably using the frames encoding method. But Jon Halford stated that the DICOM approach to blocking and indexing would be developed as part of possible work on this new IOD, and could proceed in parallel with the ITU call for proposals for the codec. Jon Halford called a vote at the next WG-32 meeting in April 2024 as to whether we should proceed at this time with working on this new IOD. Jon Halford stated that he had already discussed the possibility of beginning work on this IOD with Silvia Winkler (DICOM Editor for WG-32) and Andrew Ehrenberg (Producer Co-Chair for WG-32), and they were in agreement with proceeding with development of this new IOD.

- Jon Halford proposed a WG-32 subcommittee be formed to work on standard naming for sources of intracranial EEG (iEEG) and MEG. This work would proceed before the development of a possible IOD for iEEG and a possible IOD for MEG are initiated by WG-32. Jon Halford proposed the WG-32 have a vote at the next April 2024 telecon on whether this subcommittee should be formed. If the vote is for the creation of this subcommittee, then there would follow a call for volunteers to chair this subcommittee.
- Suggestion for WG-32 to have an in-person meeting.
 - Jon Halford proposed a FTF WG-32 meeting American Epilepsy Society Annual Conference in Los Angeles CA in early December 2024. He suggested further discussion of this at the next WG-32 telecon in April 2024.

7. DATE AND TIME OF NEXT MEETINGS

Thursday 18 April 2024	10:00- 11:00 am US ET
Thursday 16 May 2024	10:00- 11:00 am UD ET