

SDECom – August 16, 2021

IEEE EMC Society Standards Development and Education Committee Minutes

August 16, 2021

Virtual
Zoom

Chair: Ross Carlton ross.carlton@ets-lindgren.com
Vice Chair: Jens Medler jens.medler@rohde-schwarz.com
Secretary: Henry Benitez henry@emicomply.com

Vice President (Standards);
Ed Hare w1rfi@arrl.org
Standards Association Liaison:
Jennifer Santulli j.santulli@ieee.org

Meeting start (12:30 EDT)

1. Call to Order and Roll Call Chair

1.1. Chair's Remarks

1.2. Meeting Logistics

None.

1.3. Introductions

Members, participants and guests introductions.

1.4. Voting Membership

Roll call. Attendance is recorded in the Member Attendance Table.

Name	Role	Affiliation
Benitez, Henry	Secretary	ElectroMagnetic Investigations
Braxton, Tom	Member	Shure
Brench, Colin	Member	
Burnham, Karen	Member	Electro Magnetic Applications
Carlton, Ross	Chair	ETS-Lindgren
Cohen, Larry	Member	Naval Research Labs
Duffy, Alistair	Member	De Montfort University
Fanning, Craig	Member	Elite Electronic Engineering
Hare, Ed	Member	ARRL
Heather, Fred	Member	US Navy
Hoolihan, Dan	Member	Hoolihan EMC Consulting
Kim, Soo	Member	
Oliver, Mike	Member	MAJR
McLellan	Member	EMC Productivity
Medler, Jens	Vice Chair	Rohde & Schwarz
Norgard, John	Member	NASA

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Pettit, Ghery	Member	Pettit EMC Consulting
Pissoort, Davy	Member	KU Leuven
Traver, David	Member	
Williams, Kimball	Member	DENSO
Zimmerman, Dave	Member	Spectrum EMC, LLC

1.5. Non-Voting Membership

Roll call. Attendance is recorded in the Member Attendance Table.

Name	Role	Affiliation
Santulli, Jennifer	Secretariat	IEEE Standards Association

1.6. Non-Members

Name	Affiliation
Podgorski, Andrew	Independent Scientist
Hansen, Diethard	Consultant

1.7. Quorum

Quorum requires 50% of the voting membership in attendance. With 22 voting members, 11 or more voting members are required to establish quorum. With only 6 members in attendance, quorum is not met. Any actions taken are subject to confirmation by electronic ballot or at a future meeting.

2. Approval of the Agenda

Secretary

The agenda was reviewed. A motion to approve the agenda was made by Mr. Hare, and seconded by Mr. Norgard. The motion passed unanimously.

3. Show IEEE Patent slides

Secretary

The patent slides were shown and all in attendance agreed to abide by the patent policies.

ADMINISTRATIVE ITEMS FOR ACTION

4. Approval of the Minutes of the Previous Meeting

Secretary

A motion to approve the minutes of the meeting on July 13, 2021 was made by Mr. Brench, and seconded by Mr. Fanning. The motion passed unanimously.

5. Membership

No membership actions were taken.

6. Actions of the Previous Meeting

Secretary

The action items were reviewed and their status was updated. Refer to the Action Items table at the end of these minutes.

7. Enhancing education

SDECom does training at the Symposium on creating standards but does not offer much in the way of training on how to use standards. SDECom will continue to investigate the ILN and other means of delivering virtual training. We need to understand the final product to determine needed level of effort.

8. Arrangements for Standards Week

Mr. Brench provided an update. Standards Week is the fourth week of the Symposium. He worked closely with the various Chairs to review content and identify Standards Week items. There was a lot of last-minute work identifying Standards Week items. Some great work was done by Davy P on P2716.

Mr. Carlton will be the Standards Week Chair next time. Frank Leferenk is the TPC.

For 2022, the password for Stds meetings should be easy to locate in the Program so that anyone can attend easily.

Note that the Symposium tries to position the TC, WG and other collateral meetings are on the periphery of the event so that a badge is not needed.

9. Standards strategy

SDECom will focus on the status of standards at the next meeting.

10. Continuity Groups

Consider a meeting with TCs (or TAC) to discuss concept of TCs. Then TCs can staff and manage them. The proposed Continuity Groups are as follows:

- Emissions
 - Potential standards: 139, 187, 377
 - Potential chair: David Traver (open to discussion; availability severely limited)
- Shielding
 - Potential standards: 299, 299.1, 1302, 2715, 2716
 - Potential chair: Davy Pissoort (open to discussion; availability severely limited)
- Probes
 - Potential standards: 475, 1309
 - Potential chair: Zhong Chen (open to discussion; availability severely limited)
- Computational Electromagnetics
 - Potential standards: 1597.1, 1597.2
 - Potential chair:
- Intentional EMI
 - Potential standards: 1642
 - Potential chair: Bill Radasky (open to discussion; availability severely limited)
- EMI Risk
 - Potential standards: 1848
 - Potential chair:

11. Working closer with other IEEE Societies

There was no discussion on this topic.

12. IEEE Standards Association

Any needed WG PAR actions need to be taken by the October NESCOM meeting if possible.

The SDECom Policies & Procedures need to be updated by the end of the year.

AI 2021-13 - Ross to complete the revision of the P&Ps by December 2021.

STANDARDS DEVELOPMENT ACTIVITY FOR DISCUSSION

13. New Work Items

- A. Receive an update on the status of C37.90.2 (Radiated RF immunity for Relay Systems).
Presentation pending.
- B. Request 2-year extensions for PARs due to expire in 2021. Deadlines for NesCom consideration and approval of requests are 8/13/21 and 10/18/21.
 - 1) P1597.1 Standard for Validation of Computational Electromagnetics Computer Modeling and Simulations
 - i. Submitted
 - 2) P2717 Passive Intermodulation Test Methods for Wireless Systems in Low Noise Environments
 - i. Not yet submitted.
 - 3) P2665 Recommended Practice for Statistical Process Control for EMC Test Laboratories
 - i. Submitted
 - 4) P2718 Guide for Near Field Characterization of Unintentional Stochastic Radiators
 - i. Submitted.
 - 5) P1128 Recommended Practice for Radio-Frequency (RF) Absorber Evaluation in the Range of 30 MHz to 40 GHz
 - i. Connect with Zhong Chen.
 - ii. Next WG meeting is prior to AMTA (end of October 2021).
- A. P2710 - Electromagnetic Shielding Performance of Enclosures for Portable Electronic Devices
 - 1) Connect with Alistair on whether a new WG Chair and/or PAR is needed. TC4 has expressed concern. Ross to investigate the next step.

Action 2021-14 – Ross to connect with Chair of P2717 to submit PAR extension request.

Action 2021-15 – Ross to connect with Chair of P1128 to submit PAR extension request.

14. Standards Reports

The list of standards was reviewed. The latest link is:

https://s3.us-east-2.amazonaws.com/ieeesdecom/Standards_Matrix_20181003.pdf

For standards expiring in 2022, SDECom needs make determination of relevance at the next meeting. For relevant standards, plan on PAR for minor modification. We can then use the ballot phase to see what interest there is – either generically or for more significant maintenance.

Action 2021-16 – Ed to update the standards list.

15. Reports from SDECom representation on other bodies

Mr. Norgard reported that the ANSI meeting was virtually only. In-person meeting planned in 4Q2021 but dates and location are TBD. Recently approved C63.9.

Mr. Carlton noted that the EOS/ESD Association develops standards for ESD models and methods, including using System level methods at the PCB or IC level. There are few opportunities for crossing over.

Mr. Festa, of IBD Italy and a technical expert to IEC SC77B, provided an update.

16. Other IEEE Standards

No discussion at this time.

17. VP Standards

No discussion at this time.

CLOSING ITEMS

18. Any other business

No other business was raised.

19. Adjournment of meeting (14:48 EDT)

A motion to adjourn the meeting was made by Mr. Fanning and seconded by Mr. Norgard, The motion was approved unanimously.

The next meeting of SDECom will be Wednesday, January 12th from 13:00 EST to 15:00 EST.

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ACTION ITEMS

AI #	Action	Owner	Assigned	Due	Status
2019-29	Contact Chad Kiger about progress on 473.	Ed Hare/Ross Carlton	12/9/19	N/A	Closed 8/16/21. TC3 received report. Expect new draft in Sept.
2019-30	Create a PAR for 1597.2, a practical guide for implementation of 1597.1.	Alistair Duffy	12/9/19	N/A	Closed 8/16/21. Ballot of 1597.1 is pending. Wait until WG is ready.
2020-12	Check with Jerry Ramie about Chairing P&E CG.	Ross Carlton/Ed Hare	8/3/20	N/A	Open.
2020-14	Setup SDECom meeting to discuss Continuity Groups. (Define role.)	Ross Carlton	8/3/20	N/A	Closed 8/16/21. Pick up topic of CGs later when lead identified or I have more time.
2021-02	Setup a meeting with all prospective CG Chairs to discuss the idea of Continuity Groups.	Ross Carlton	4/13/21	7/13/21	Closed 8/16/21. Pick up topic of CGs later when lead identified or I have more time.
2021-03	Reach out to WG Chairs on need for extension (PARs) or maintenance (Std).	Ross Carlton/Ed Hare	4/13/21	7/13/21	In progress.
2021-04	Draft a PAR for Std 1775.	Ed Hare	7/13/21	8/1/21	New
2021-05	Review standards for dual logo opportunities.	All	7/13/21	8/16/21	Closed 8/16/21. This question will be asked on publication of any Std.
2021-06	Download a presentation from the ILN to report on style, content and production values.	Ed Hare	7/13/21	8/16/21	New
2021-07	Send the IEEE SA Governance Training link to SC and WG members.	Ross Carlton	7/13/21	8/16/21	Closed 8/16/21.
2021-08	Send the P1597.1 draft to the SDECom membership for discussion and vote.	Ross Carlton	7/13/21	8/16/21	Closed 8/16/21.
2021-09	Contact the Chair of the WG for P2838 for a response on similarity to other standards.	Ross Carlton	7/13/21	8/16/21	Ed/Karen/Jen to attend WG meeting on 8/18 to assess.
2021-10	Invite Jerry Ramie to the next meeting for an update on C37.90.	Ross Carlton	7/13/21	8/16/21	Closed 8/16/21.
2021-11	Work with WG Chairs to request extensions by 8/1.	Ross Carlton	7/13/21	8/16/21	In progress.
2021-12	Update the standards list and provide a new link.	Ed Hare	7/13/21	8/16/21	Closed 8/16/21.
2021-13	Complete the revision of the P&Ps by December 2021.	Ross Carlton	8/16/21	12/1/21	New
2021-14	Connect with Chair of P2717 to submit PAR extension request	Ross Carlton	8/16/21	12/1/21	New
2021-15	Connect with Chair of P1128 to submit PAR extension request	Ross Carlton	8/16/21	12/1/21	New

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2021-16	Update the online standards list.	Ed Hare	8/16/21	1/12/22	New
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MEMBER ATTENDANCE

Committee Member	Meeting Date											
	210816											
Voting												
Benitez, Henry	E											
Braxton, Tom	-											
Brench, Colin	X											
Burnham, Karen	X											
Carlton, Ross	X											
Cohen, Larry	-											
Duffy, Alistair	-											
Fanning, Craig	X											
Hare, Ed	X											
Heather, Fred	-											
Hoolihan, Dan	-											
Oliver, Mike	-											
McLellan, Joanna	-											
Medler, Jens	-											
Norgard, John	X											
Pettit, Ghery	E											
Pissoort, Davy	E											
Podgorski, Andrew	X											
Traver, David	-											
Williams, Kimball	-											
Zimmerman, Dave	-											
Non-Voting												
Santulli, Jennifer	X											

X = Attended

E = Excused absence