

SDECom – April 6, 2022

IEEE EMC Society Standards Development and Education Committee Minutes

April 6, 2022

Hybrid
Hyatt Regency, Frisco, TX + 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 (13:00 EST)

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
Medler, Jens	Vice Chair	Rohde & Schwarz
Norgard, John	Member	NASA
Pettit, Ghery	Member	Pettit EMC Consulting

SDECom – April 6, 2022

Pissoort, Davy	Member	KU Leuven
Podgorski, Andrew	Member	Independent Scientist
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
McLellan, Joanna	-	EMC Productivity

1.6. Non-Members

Name	Affiliation

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. Quorum was not met.

2. **Approval of the Agenda** **Secretary**
The agenda was reviewed and approved.
3. **Show IEEE Patent slides** **Secretary**
The patent slides were shown and all in attendance agreed to abide by the patent policies. No issues were raised.
4. **Minutes of the Previous Meeting** **Secretary**
The minutes were reviewed but not approved due to lack of a quorum.
5. **Membership** **Chair**
Discussed removal of members for non-attendance. No membership actions were taken.
6. **Actions of the Previous Meeting** **Secretary**
The action item table was reviewed.

STRATEGIC ACTIVITY FOR DISCUSSION

7. **Policies & Procedures of the SDECom**

SDECom should review and comment on the new P&Ps. There was discussion on whether IEEE-SA membership should be needed for SDECom membership. Old P&Ps said yes. New P&Ps say no. Joining ballot groups and being a WG Chair does require IEEE-SA membership.

8. **Arrangements for Standards Week**

Advance program inputs are needed by May 1.

Need:

- WG meetings (in-person/virtual)
- Training
- IEEE Standards tutorial (SDECom)
- Global Standards tutorial (SACCom)
 - Could also leverage C63 liaisons from SC3.
 - Plan for 2 hours.

A meeting for standards needing maintenance, in order to get participation, is highly recommended.

There will be an automotive standards special session.

Need a write-up for the website and the advance program to promote Standards, training, WG meetings. All interested parties welcome. Solicit for people that want to learn more about a topic, like YPs. It is not just for experts. Learn from the experts.

AI 2022-08 – Ross to check with Janet about room assignments for Standards.

AI 2022-09 – Ed to send email to WG Chairs requesting meeting dates/times for Standards Week.

AI 2022-10 – Ross to send initial schedule to Ed, John, Karen for optimization.

AI 2022-11 – Karen to create the slide.

AI 2022-12 – Ross to create website page writeup.

9. **Continuity Groups**

Plan to hold CG Chair/training at the Symposium. By invitation only.

Could use our presentation opportunities to solicit interest in standards and continuity groups.

Create a slide that can be added to presentations or used by the session Chair.

10. **Working closer with other IEEE Societies**

IBIS Open Forum is working on MoU with IEEE-SA for publishing their IBIS Specification and an IEEE standard.

Latest C37.90.x Series in final stages of publication.

Transportation Electrification Community has a lot of interest/need for EMC participation. There is an opportunity for developing standards. There is already a lot of participating from individual members of the EMCS. (A Community can evolve into a Council or Society.)

Need a greater coordination with MTTs, APS, EOS/ESD, etc. EOS/ESD takes advantage of engaging with EMCS at Symposia, articles in the EMC Magazine, etc. EMCS does not engage in the other direction (in general). This engagement would require travel budget, but it is possible.

11. IEEE Standards Association

None.

STANDARDS DEVELOPMENT ACTIVITY FOR DISCUSSION

12. Standards Reports and Status

The status of all EMC standards was briefly reviewed.

13. Formation of Maintenance Working Groups for Expiring Standards

The formation of Working Groups for standards requiring maintenance was discussed.

Expiring in 2022

- Std. 139-1988 “Recommended Practice for the Measurement of RF Emission from ISM Equipment on User’s Premises” expires 12/31/2022. (D. Weinberg)
 - This standard is dated and has been superseded.
 - Consensus of the Committee is to let this standard expire.
- Std. 299-2006 “Standard Method for Measuring the Effectiveness of Shielding Enclosures” expires 12/31/2022. (M. Sarto)
 - Consensus of the Committee is to form a working group for maintenance.
- Std. 377-1980 “Recommended Practice on the Measurement of Spurious Emissions from Land-Mobile Comm. Transmitters” expired 12/31/2018.
 - Consensus of the Committee is to let this standard expire.
- Std. 475-2000 “Measurement Procedure for Field Disturbance Sensors, 300 MHz to 40 GHz” expires 12/31/2022. (H. Denny)
 - Review indicates that maintenance would require a major revision; however, there is no indication that this Standard is still relevant. is required during maintenance. Consensus of the Committee is to let this standard expire.
- Std. 1128-1998 “Recommended Practice for RF Absorber Evaluation in the Range of 30 MHz to 5 GHz” expires 12/31/2022. (Z. Chen)
 - Should this be expended to 40 GHz?
 - Z. Chen is the WG Chair. Current PAR is valid until 12/31/2023.

Expiring in 2023

- Std. 299.1-2013 “Standard Method for Measuring the Shielding Effectiveness of Enclosures and Boxes Having Dimensions Between 0.1 and 2m” expires 12/31/2023. (M. Sarto)
- Std. 1309-2013 “Standard for Calibration of Electromagnetic Field Sensors and Probes, Excluding Antennas, from 9 kHz to 40 GHz” expires 12/31/2023. (Z. Chen)
- Std. 1560-2013 “Methods of Measurement of Radio Frequency Interference Filter Suppression Capability in the Range of 100 Hz to 10 GHz” expires 12/31/2023. (K. Phipps)

14. **Projects nearing Ballot Stage**

Projects nearing Balloting were reviewed.

- P2665 “Recommended Practice for Statistical Process Control for EMC Test Laboratories”
- P2710 “Electromagnetic Shielding Performance of Enclosures for Portable Electronic Devices”
- P2715 “Guide for the Characterization of the Shielding Effectiveness of Planar Materials”
- P2716 “Guide for the Characterization of the Effectiveness of Printed Circuit Board Level Shielding”

The recommended process for submitting a WG draft for ballot should be provided to WG Chairs. The idea is to ensure that the WG understand the potential pitfalls

AI 2022-13 - Kim, Ed to review the P&Ps and generate draft guidance to WG Chairs on the balloting process.

AI 2022-14 – Ross to distribute documentation to the membership. (Minimum 10-14 day review period. Then a motion.)

15. **New Work Items**

There was no discussion on new standards or recommended practices.

16. **Reports from SDECom representation on other bodies**

None.

17. **Other IEEE Standards**

None.

18. **VP Standards**

None.

CLOSING ITEMS

19. **Any other business**

Henry presented “Report on ANSI C63 EUT Test Setup Interpretation” regarding the recent interpretation of the test distance requirements of C63.4. The standard and the interpretation are confusing. There exist issues with harmonization with other standards. Recommend that C63 use a harmonized method.

20. **Adjournment of meeting (15:03 EST)**

The next full meeting of SDECom will be at the Symposium on August 1, 2022, from 10:30am to 2:00pm PDT.

SDECom – April 6, 2022

ACTION ITEMS

AI #	Action	Owner	Assigned	Due	Status
2021-04	Draft a PAR for Std 1775.	Ed Hare	7/13/21	N/A	Open.
2021-09	Contact the Chair of the WG for P2838 for a response on similarity to other standards.	R. Carlton	7/13/21	8/16/21	No recent meeting. Planning a meeting for 8/4/22 AM.
2022-02	Present continuity group concept to TAC to see if TC's will promote participation or provide the CG membership or Chair.	R. Carlton	1/12/22	8/5/22	Open. Target for TAC at the Symposium.
2022-03	Send P&Ps to SDECom and WG Chairs.	R. Carlton	2/24/2022	4/1/2022	Closed
2022-04	Contact Maria (with Alistair and Davy) for her level of interest in leading this CG.	R. Carlton	2/24/2022	4/1/2022	Closed
2022-05	Review Std. 475-2000 and make a recommendation on maintenance.	A. Podgorski	2/24/2022	4/1/2022	Closed
2022-06	Contact Z. Chen for level of maintenance required on Std. 1309-2013.	R. Carlton	2/24/2022	4/1/2022	Open
2022-07	Request Std. 1560-2013 from J. Santulli and perform initial review.	R. Carlton	2/24/2022	4/1/2022	Open. Have the std. Review TBD.
2022-08	Check with Janet about room assignments for Standards.	R. Carlton	4/6/2022	5/1/2022	Closed
2022-09	Send email to WG Chairs requesting meeting dates/times for Standards Week.	E. Hare	4/6/2022	5/1/2022	Closed
2022-10	Send initial schedule to Ed, John, Karen for optimization.	R. Carlton	4/6/2022	5/1/2022	Closed
2022-11	Create a slide that can be used to introduce Standards activities at the Symposium.	K. Burnham	4/6/2022	5/1/2022	Closed
2022-12	Create content for a Standards Week web page on the Symposium web site.	R. Carlton	4/6/2022	5/1/2022	Closed
2022-13	Review the P&Ps and generate draft guidance to WG Chairs on the balloting process.	K. Burnham E. Hare	4/6/2022	5/1/2022	Closed
2022-14	Distribute project drafts to the membership to vote on balloting.	R. Carlton	4/6/2022	5/1/2022	Closed

SDECom – April 6, 2022

MEMBER ATTENDANCE

Committee Member	Meeting Date											
	210816	220112	220224	220406								
Voting												
Benitez, Henry	E	X	E	X								
Braxton, Tom	-	X	E	-								
Brench, Colin	X	X	-	-								
Burnham, Karen	X	-	X	X								
Carlton, Ross	X	X	X	X								
Cohen, Larry	-	-	-	-								
Duffy, Alistair	-	X	E	X								
Fanning, Craig	X	X	X	X								
Hare, Ed	X	X	X	X								
Heather, Fred	-	-	-	-								
Hoolihan, Dan	-	-	-	-								
Oliver, Mike	-	-	-	-								
McLellan, Joanna	-	-	-	-								
Medler, Jens	-	X	X	-								
Norgard, John	X	-	X	X								
Pettit, Ghery	E	X	X	-								
Pissoort, Davy	E	X	E	X								
Podgorski, Andrew	X	X	X	-								
Traver, David	E	E	E	E								
Williams, Kimball	-	X	X	X								
Zimmerman, Dave	-	-	-	-								
Non-Voting												
Santulli, Jennifer	X	X	X	X								

X = Attended

E = Excused absence