

SDECom – February 24, 2022

IEEE EMC Society Standards Development and Education Committee Minutes

February 24, 2022

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 (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 guest 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	Consultant
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
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

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

6. Actions of the Previous Meeting

Secretary

The action item table was reviewed.

AI 2022-03: Ross – Send P&Ps to SDECom and WG Chairs.

STRATEGIC ACTIVITY FOR DISCUSSION

None

STANDARDS DEVELOPMENT ACTIVITY FOR DISCUSSION

7. Standards Reports and Status

The status of all EMC standards was briefly reviewed. The next meeting of SDECom will be devoted to reviewing the status of standards.

8. Formation of Maintenance Working Groups for Expiring Standards

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

Ed volunteered to lead a minor maintenance team.

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.
 - CISPR 11 includes measurement guidance for in-situ measurements at user premises.
 - New CISPR 37 project will cover all in-situ testing.
 - 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)
 - Can 299 and 299.1 be combined? Or combined with other standards? We would like to investigate this.

AI 2022-04: Ross to contact Maria (with Alistair and Davy) for her level of interest in leading this CG.

- Std. 377-1980 “Recommended Practice on the Measurement of Spurious Emissions from Land-Mobile Comm. Transmitters” expired 12/31/2018.
 - No one is interested in working on this RP. The standard expired without any complaint.
 - 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)
 - This is applicable to motion detectors.

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- A request to extend the frequency below 300 MHz was received some time ago.
- No one is interested in working on this procedure.

AI 2022-05: Andrew to review the standard and make a recommendation on maintenance.

- Std. 1128-1998 “Recommended Practice for RF Absorber Evaluation in the Range of 30 MHz to 5 GHz” expires 12/31/2022. (Z. Chen)
 - 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)
 - No active PAR.
 - Will need a PAR if decision is to maintain.

AI 2022-06: Ross to contact Z. Chen for level of maintenance required.

- 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)
 - No active PAR. Needs a PAR.
 - Consensus is to maintain standard with minimal change.

AI 2022-07: Ross to request Std. 1560-2013 from J. Santulli and perform initial review.

- Std. 1613-2009 “Standard for Environmental and Testing Requirements for Devices with Communications Functions in Electric Transmission and Distribution Facilities” expires 12/31/2023. (J. Tengdin)
 - Work being led by PES with new Chair – Jim Niemira, SC I Chair. Jerry Ramie is our liaison.
 - No SDECom action required other than to participate in the ballot process.

9. New Work Items

There was no discussion on new standards or recommended practices.

10. Reports from SDECom representation on other bodies

Jerry has been our liaison to PES for many years; representing the EMCS on the working groups for P1613 and the P37.90.x series. He provided an update on their status:

- P1613-202x going to ballot.
- PC37.90.1 a revision is in process. Expected ballot in 2023. Voted to add 100kHz EFT rep rate.
- PC37.90.2 is in balloting. Adds higher levels for radiated immunity.
- PC37.90.3 committee draft is almost finished. Many improvements for ESD.

11. Other IEEE Standards

Mr. Ramie provided an update on his work with PES standards related to Smart Grid. IEEE PES C37.90.1-3 is a family of three standards defining EMC performance for Relays, etc. Mr. Ramie has been our liaison to the WG. All but C37.90.1 will be going to ballot soon. C37.90.1 is going well. P1613 completing a draft after 6 years; essentially harmonized with IEC 61850-3. Going to ballot soon. It was a difficult process but the outcome is very good.

12. VP Standards

No discussion at this time.

CLOSING ITEMS

13. Any other business

No other business was raised.

14. Adjournment of meeting (15:03 EST)

The next meeting of SDECom will be Wednesday, April 6th from 13:00 EST to 15:30 EST.

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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	Has met at least twice in last 2 years. Inquire about next WG meeting.
2022-01	Suggest to SACCom to seek liaison(s) at NIST	R. Carlton	1/12/22	5/1/22	Discussed with SACCom VC during SDECom meeting. Closed.
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	8/15/22	New
2022-03	Send P&Ps to SDECom and WG Chairs.	R. Carlton	2/24/2022	4/1/2022	New
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	New
2022-05	Review Std. 465-2000 and make a recommendation on maintenance.	A. Podgorski	2/24/2022	4/1/2022	New
2022-06	Contact Z. Chen for level of maintenance required on Std. 1309-2013.	R. Carlton	2/24/2022	4/1/2022	New
2022-07	Request Std. 1560-2013 from J. Santulli and perform initial review.	R. Carlton	2/24/2022	4/1/2022	New

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MEMBER ATTENDANCE

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

X = Attended

E = Excused absence