

# SDECom – November 3, 2022

## IEEE EMC Society Standards Development and Education Committee Minutes

November 3, 2022

Hybrid (In-person + WebEx)  
Hyatt Regency New Brunswick, Room ?  
New Brunswick, NJ, USA

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

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

### Meeting start (14:30 EDT)

#### 1. Call to Order and Roll Call Chair

##### 1.1. Chair's Remarks

The Chair called the meeting to order at 14:30 EDT.

##### 1.2. Introductions

Members, participants, and guests introduced themselves.

##### 1.3. Voting Membership

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

Name	Role	Affiliation
Benitez, Henry	Secretary	ElectroMagnetic Investigations
Braxton, Tom	Member	Shure
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
Festa, Domenico	Member	IBD
Hare, Ed	Member	ARRL
Heather, Fred	Member	US Navy
Hoolihan, Dan	Member	Hoolihan EMC Consulting
Medler, Jens	Vice Chair	Rohde & Schwarz
Norgard, John	Member	NASA
Pettit, Ghery	Member	Pettit EMC Consulting
Pissoort, Davy	Member	KU Leuven
Podgorski, Andrew	Member	Independent Scientist
Williams, Kimball	Member	Consultant

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## 1.4. 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

## 1.5. Non-Members

Name	Affiliation
Anderson, Steve	ARRL
Bunting, Chuck	IEEE EMCS VP for Technical Services
Morse, William	Schweitzer Engineering
Searce, Steven	Apex
Vaghela, Jignesh	Ditch Witch

## 1.6. Quorum

Quorum requires 50% of the voting membership in attendance. With 16 voting members, 8 or more voting members are required to establish a quorum. Quorum was not met with 6 members in attendance.

## 2. Approval of the Agenda

**Secretary**

The agenda was reviewed. A motion to approve was made by E. Hare and seconded by H. Benitez. The motion was unanimously approved.

## 3. Show IEEE Patent slides

**Secretary**

The IEEE SA Patent Policy was presented and a call for patents was made. There were no responses.

## 4. Minutes of the Previous Meeting

**Secretary**

The meeting minutes from 1 August 2022 and 4 August 2022 were reviewed. A motion to approve was made by E. Hare and seconded by H. Benitez. The motion was unanimously approved.

## 5. Actions of the Previous Meeting

**Secretary**

The action items from the 1 August 2022 and 4 August 2022 were reviewed and updated.

## 6. Membership

**Chair**

An application for a new membership for S. Anderson of ARRL was considered and discussed. No decision could be made due to lack of a quorum.

Part of the discussion focused on the minimum requirements, such as previous experience in standards development, for voting membership in SDECom. Also discussed was how we can engage YPs and their membership options.

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## *STRATEGIC ACTIVITY FOR DISCUSSION*

### 7. **Officer Elections**

The election of new officers was scheduled for this meeting of the SDECom. Elections could not be held due to a lack of a quorum. Elections will be scheduled as soon as practical.

### 8. **Policies and Procedures of SDECom**

The SDECom P&Ps have been published on the website.

WG P&Ps need to be updated. Ed Hare provided background. Historically, WG P&Ps have been WG -specific. An initial draft has been prepared.

**AI 2022-17** – Karen Burnham to assist moving the WG P&Ps forward.

### 9. **Arrangements for Standards Week 2023**

SDECom will repeat its program for Standards Week in 2023 with additional focus on WG and CG meetings. Many ideas were discussed including:

- Submit the Global EMC Standards Tutorial as a regular tutorial session.
- Consider eliminating the traditional Monday afternoon Standards training on Introductory topics and for WG Chairs. These events are lightly attended unless food is available or there are few other choices.
- Hold a Standards Keynote.
- Hold a Standards mixer of lunch. Presentations on Standards should be part of the event.
- Short presentations or videos can be used as content for other events.
- Ensure that the initial Keynote, Standards-related sessions, etc include plugs for Standards events. A slide could be developed.
- Publicize the success of P2665, P2715 and P2716 in an article or tutorial.
- Update booth banners and tri-folds for SDECom, SACCom, etc.
- Establish an SDECom subcommittee to formalize plan.

The current 2023 Standards Week subcommittee consists of Ross Carlton, Karen Burnham, and Henry Benitez. Please contact one of the current members if you would like to participate.

### 10. **Continuity Groups**

There needs to be more focus on assembling these Groups and getting them active. Discussion topics included changing the name and locating sources of funding to enable proactive engagement.

The current 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
  - Chair: Davy Pissoort
- 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: Alistair Duffy
- Intentional EMI
  - Potential standards: 1642
  - Potential chair: Bill Radasky (open to discussion; availability severely limited)
- EMI Risk
  - Potential standards: 1848
  - Potential chair: Keith Armstrong

### 11. Working closer with Other IEEE Societies

There was no new discussion on this topic. Current engagement includes:

- ESDA (Michael Khazinsky, Silicon Labs)
- PES (Jerry Ramie, ARC Technical Services)

### 12. IEEE Standards Association

Please complete the mandatory IEEE training for your role.

#### *STANDARDS DEVELOPMENT ACTIVITY FOR DISCUSSION*

### 13. Standards Reports and Status

The list of standards and their status is available on the EMCS web site.

[https://s3.us-east-2.amazonaws.com/ieeesdecom/Standards\\_Matrix.pdf](https://s3.us-east-2.amazonaws.com/ieeesdecom/Standards_Matrix.pdf)

### 14. Standards Actions

To discuss actions to take on standards.

- P473
  - A 2-year PAR extension has been requested.
- P1897 “Recommended Practice for the Resolution of Power-Line Gap-Noise Reports”
  - A 2-year PAR extension has been requested.
- P2665 “Recommended Practice for Statistical Process Control for EMC Test Laboratories”
  - Completed balloting. Sent to SASB for final approval.
- P2710 “Electromagnetic Shielding Performance of Enclosures for Portable Electronic Devices”
  - Update?
- P2715 “Guide for the Characterization of the Shielding Effectiveness of Planar Materials”
  - Ballot closed on 10/13/22 with 89% approval and 17 comments.

- A 2-year PAR extension has been requested.
- P2716 “Guide for the Characterization of the Effectiveness of Printed Circuit Board Level Shielding”
  - Ballot closed on 10/10/22 with 100% approval and no comments.

Motion to approve PAR extensions for P473, P1897 and P2715 not to exceed 2 years and send P1897 to ballot. Due to a lack of a quorum, the motion will be made and conducted by email.

**AI 2022-18:** Ross to request motion and process voting by email.

### 15. Formation of Maintenance Working Groups for Expiring Standards

To discuss the formation of Working Groups for standards requiring maintenance.

- Std. 299-2006 “Standard Method for Measuring the Effectiveness of Shielding Enclosures” (M. Sarto)
  - Expires 12/31/2022.
  - Maintenance being addressed by Shielding CG.
- Std. 299.1-2013 “Standard Method for Measuring the Shielding Effectiveness of Enclosures and Boxes Having Dimensions Between 0.1 and 2m” (M. Sarto)
  - Expires 12/31/2023.
  - Maintenance being addressed by Shielding CG.
- Std. 1128-1998 “Recommended Practice for RF Absorber Evaluation in the Range of 30 MHz to 5 GHz” (Z. Chen)
  - Expires 12/31/2022.
  - PAR valid until 12/31/23.
  - Maintenance in progress.
- Std. 1309-2013 “Standard for Calibration of Electromagnetic Field Sensors and Probes, Excluding Antennas, from 9 kHz to 40 GHz” (Z. Chen)
  - Expires 12/31/2023.
  - No maintenance is progress.
- Std 1560-2013 “Methods of Measurement of Radio Frequency Interference Filter Suppression Capability in the Range of 100 Hz to 10 GHz”. (K. Phipps)
  - Expires 12/31/2023
  - Scully and Kraemer on previous WG.
  - **AI 2022-19:** Ross to review and connect with TC-4.
  - No maintenance is progress.

### 16. New Work Items

A PAR for a “Recommended Practice for Electromagnetic Compatibility Test of Electronic Instrument Transformers and connected IEDs (Intelligent Electronic Device)” has been received. There was insufficient time in this meeting to review the submitted documents. Also, considering the scope of this RP, it is appropriate to request co-sponsorship from PES. After discussion, the recommendation of the SDECom is to invite both the author of the PAR and representatives of

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PES to a future meeting of the SDECom to discuss this PAR. Jerry Ramie has offered to facilitate a connection with PES. Potential participants in this WG are William Morse and Travis Mooney of SEL and Dan Ransome of Hubbell.

**AI 2022-20:** Ross to initiate contact to set up a meeting.

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

None.

**18. Other IEEE Standards**

None.

**19. VP Standards**

Ed here, the current VP of Standards, will be stepping down at the end of his term on 12/31/22.

### *CLOSING ITEMS*

**20. Any other business**

There was discussion on the need to improve YP engagement. Creating Liaisons and providing Mentors were both discussed.

**21. Adjournment of meeting (16:30 EDT)**

The next meeting of SDECom will be on February ?, 2023 from 11:00am to 1:00pm EST.

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### *ACTION ITEMS*

<b>AI #</b>	<b>Action</b>	<b>Owner</b>	<b>Assigned</b>	<b>Due</b>	<b>Status</b>
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.
2022-06	Contact Z. Chen for level of maintenance required on Std. 1309-2013.	R. Carlton	2/24/2022	4/1/2022	Open. Zhong cannot drive. Check with Dom Festa and Thomas Kline.
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.
2022-15	Update the member list on the website	R. Carlton	8/1/22	9/1/2022	Closed
2022-16	Post the 2022 P&Ps on the website.	R. Carlton	8/1/22	9/1/2022	Closed
2022-17	Assist with new WG P&Ps.	K. Burnham	11/3/22	11/30/22	New
2022-18	Motion and vote of PAR extensions and ballot approval.	R. Carlton	11/3/22	11/30/22	New
2022-19	Review and connect with TC-4 on maintenance of Std 1560-2013.	R. Carlton	11/3/22	2/28/23	New
2022-20	Initiate contact with PES on a joint meeting to hear new RP PAR.	R. Carlton	11/3/22	1/30/23	New

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### MEMBER ATTENDANCE

Committee Member	Meeting Date										
	210816	220112	220224	220406	220801	220804	221103				
<b>Voting</b>											
Benitez, Henry	E	X	E	X	X	X	X				
Braxton, Tom	-	X	E	-	-	-	X				
Burnham, Karen	X	-	X	X	X	E	X				
Carlton, Ross	X	X	X	X	X	X	X				
Duffy, Alistair	-	X	E	X	E	X	E				
Fanning, Craig	X	X	X	X	-	-	-				
Festa, Domenico	-	-	-	-	X	-	-				
Hare, Ed	X	X	X	X	X	X	X				
Heather, Fred	-	-	-	-	X	-	-				
Hoolihan, Dan	-	-	-	-	X	-	-				
Medler, Jens	-	X	X	-	E	E	E				
Norgard, John	X	-	X	X	X	X	-				
Pettit, Ghery	E	X	X	-	X	X	-				
Pissoort, Davy	E	X	E	X	X	X	-				
Podgorski, Andrew	X	X	X	-	X	X	X				
Williams, Kimball	-	X	X	X	X	X	-				
<b>Non-Voting</b>											
Santulli, Jennifer	X	X	X	X	X	X					

X = Attended