

# SDECom Minutes – August 27, 2020

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**IEEE EMC Society**  
**Standards Development and Education Committee (SDECom)**  
<https://www.emcs.org/development-and-education.html>

## Minutes

### Virtual Meeting

**Attendees:**

**Ross Carlton (Chair)**

Tom Braxton

Ghery Pettit

Melissa Schwager (guest)

**Henry Benitez (Secretary)**

Colin Brench

Davy Pissoort

**Ed Hare (VP Standards)**

Kimball Williams

Karen Burnham

**August 27, 2020**

**08:30-10:00**

**Virtual**

**1. Call to Order and Introductions**

**Chair**

The Chair opened the meeting by welcoming the attendees and establishing the ground rules for the meeting. The Chair also summarized the program of work for the meeting.

Attendees then introduced themselves, their affiliation, and their interest in standards development.

**2. Approval of Agenda**

**Secretary**

The draft agenda was reviewed. No changes were made to the agenda. Motion to approve the agenda was made by Tom Braxton, seconded by Ghery Pettit. The motion passed unanimously.

### *GENERAL ITEMS TO NOTE*

**3. Show IEEE Patent slides**

**Chair**

Attendees were notified of the rules regarding the discussion of patented work. The attendees were polled for comments on or issues with the rules with none being raised.

### *ADMINISTRATIVE ITEMS FOR ACTION*

**4. Projects Expiring at the End of 2020**

To consider whether to request an extension or withdrawal of the following projects:

- P473 - Recommended Practice for an Electromagnetic Site Survey (10 kHz to 40 GHz)
- P1897 - Recommended Practice for the Resolution of Power-Line Gap-Noise Reports
- P2710 - Electromagnetic Shielding Performance of Enclosures for Portable Electronic Devices
- P2715 - Guide for the Characterization of the Shielding Effectiveness of Planar Materials

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- P2716 - Guide for the Characterization of the Effectiveness of Printed Circuit Board Level Shielding

After minor discussion, SDECom decided to handle all of the standards in a single motion. Ed Hare motioned to approve all five requests for extension for a 2-year period. The motion was seconded by Tom Braxton. The motion passed unanimously with the exception of one abstention, who did not wish to be recorded.

**Action 2020-17** Ed Hare: Contact WG chairs about requesting the approved extensions.

## 5. Standards Reports

Reports from Working Groups were reviewed with the following notable discussion:

- P1848 - Techniques & Measures to Manage Functional Safety and Other Risks With Regard to Electromagnetic Disturbances
  - This standard is nearing its publication date after completing the editorial review. Davy Pissoort noted that the broad topic of functional safety requires co-sponsorship and outreach to promote industry adoption. The question was raised as to whether the Safety community should lead. Achieving buy-in could be time-consuming and difficult since Safety typically does not want to deal with EMC. Many industries already have solutions, which they will prefer. The consensus is that industry involvement is required for success. P1848 is not a regulatory standard but could be referenced by one.

**Action 2020-18** Ross Carlton: Add the P1848 topic to the agenda of a future SDECom meeting.

- P2710 - Electromagnetic Shielding Performance of Enclosures for Portable Electronic Devices
  - Alistair Duffy reports that the need for this Standard is increasing. The rapid development of new applications is expanding the Scope. The WG will focus on the main applications in order to complete the Standard per the approved extension.
- P377 - Recommended Practice for Measurement of Spurious Emission from Land-Mobile Communication Transmitters
  - This RP was last published in 1980. There seems to be little purpose to maintaining this RP. Kimball Williams noted that the SAE might want to keep the RP and might be interested in working on a revision. This would be acceptable to VP Standards and SDECom.

## 6. Reports from SDECom representation on other bodies

Henry Benitez reported that there have been no significant ANSI meetings since the last SDECom meeting. WG meetings are occurring virtually, which can make attendance a challenge. No reports were received regarding IEC and ISO standards.

## 7. Other IEEE Standards

While not an IEEE OU, Ross Carlton reports that the ESD Association (ESDA) has a Standards WG focused on System Level ESD testing and how such techniques might be applied to PCBs and ICs. The scope of this ESDA WG is well within that of the EMC Society, which opens up the

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opportunity for a jointly-sponsored IEEE Standard. SDECom will continue to engage with the ESDA.

In addition, Ross Carlton noted that SDECom is officially a co-sponsor of ANSI C37.90.1 and ANSI C37.90.3. SDECom is seeking EMCS members to participate in these ANSI WGs.

Ed Hare commented that SDECom should consider and discuss the logistics around co-sponsoring a Standard or simply establishing a communication via a liaison. Questions for consideration at a future meeting of SDECom include:

- What do we want from these arrangements?
- What tasks are involved? How do we do it?
- Who does it? How do they do it?

### **8. VP Standards**

No additional items were raised by the VP of Standards.

### ***CLOSING ITEMS***

### **9. Any other business**

No other business was discussed.

### **10. Adjournment of meeting**

The next meeting of SDECom will be held in 4Q2020 at a date and time to be determined. This will be an online meeting.