

SDECom Minutes – February 9, 2020

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

Minutes

Residence Inn Orlando Sea World Hotel, Orlando, FL, USA
Citrus A

Attendees:

Ross Carlton (Chair)
Tom Braxton
John Norgard

Henry Benitez (Secretary)
Alistair Duffy
Vignesh Rajamani

Ed Hare (VP Standards)
Don Heirman

February 9, 2020

08:30-11:00

Orlando, FL, USA

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. Agenda item 9 was revised to clarify the subject as developing IEEE EMC standards. Agenda item 11b was revised to correct the project number from P2855 to P2865. No other changes were made. Motion to approve the agenda was made by Don Heirman, seconded by Ed Hare. 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. Minutes of Previous Meeting

Secretary

The draft minutes for the July 22 and July 25, 2019 meetings held in New Orleans, LA as part of the 2019 IEEE EMC Symposium are still in preparation. The draft minutes for the December 9, 2019 meeting held in Reno, NV are also still in preparation. Review and approval is deferred until they are available.

5. Actions of the Previous Meeting

Secretary

- Action 2018-07 – Jen Santulli: Add EMC-S as co-sponsor to both P1613 and PC37.90.2 – both standards with significant EMC content. **OPEN.**
- Action 2018-08 – Jen Santulli: Add EMC-S as co-sponsor to PC37.90.1 and PC37.90.3. **OPEN.**

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- Action 2019-06 – Ed Hare; Ed to provide Henry with contact information of working group chairs. **OPEN.**
- Action 2019-13 – Ed Hare: Investigate demo for power line conducted emissions effects due to wiring layout to lighting fixtures. Work with TC2. **OPEN.**
- Action 2019-14 – Ed Hare: Add maintenance committee chairs and their reports to his EMC Standards Status report. **OPEN.**
- Action 2019-15 – Ed Hare: Talk to Don Heirman about liaison between SDECom and IEC ACEC. **OPEN.**
- Action 2019-19 – Henry Benitez: Provide the draft minutes by the next meeting. **OPEN.**
- Action 2019-20 – Ed Hare: Identify a slate of candidates and conduct voting for officers. CLOSED
- Action 2019-21 – Ross Carlton: Reach out to Bruce Archambeault about joining the TPC meetings. CLOSED.
- Action 2019-22 – Ed Hare: Prepare a Call for Standards Week. CLOSED.
- Action 2019-23 – John Norgard: Investigate which non-IEEE standards have significant new content or revision that could be presented as part of Standards Week. CLOSED.
- Action 2019-24 – Alistair Duffy: Contact Dave Traver to determine relationship of Std 187 WG with the EMCS TCs. Ask Dave to Chair the Emissions CG. CLOSED. (Interested)
- Action 2019-25 – Ross Carlton: Contact Zhong Chen to Chair the Probes CG. CLOSED. (Interested)
- Action 2019-26 – Ed Hare: Provide SDECom promotional material for the booth. OPEN.
- Action 2019-27 – Alistair Duffy: Contact IEEE-SA to make the approved changes to PAR 2855. **OPEN.**
- Action 2019-28 – Alistair Duffy: Contact TC-10 for input on need for SIPI standards. OPEN.
- Action 2019-29 – Ed Hare: Contact Chad Kiger about progress on 473. OPEN.
- Action 2019-30 – Alistair Duffy: Create a PAR for 1597.2. OPEN.

6. **Officer Elections**

The results of the officer elections completed on February 4, 2020 were reviewed. The officers elected for the period of 1/1/2020 – 12/31/2021 are:

Chair: Ross Carlton
Vice-Chair: Jens Medler
Secretary: Henry Benitez

7. **Arrangements for the Standards Week at the 2020 EMC Symposium**

We are working with the IBIS Open Forum to hold a one-day IBIS Summit on Friday of the Symposium to bring a discussion on integrated circuit I/O modeling for SI/PI and EMC to the Symposium. We are coordinating this effort with Zhiping Yang of TC-10.

Current plans for Standards Week include:

- Workshops & tutorials on Monday and Friday
- Working Group meetings on Tuesday through Thursday
- IBIS Summit on Friday
- WG Coordination & Officer Training on Monday

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8. Continuity Groups

Alistair Duffy created an initial description of the envisioned Continuity Groups containing an overview, discussion of the role of the group, composition of the group, and reporting to SDECom.

Action 2020-01 – Ross Carlton: Send the “EMC Standards Continuity Groups” document to SDECom and the officers of SACCom.

Action 2020-02 – All SDECom: Review the “EMC Standards Continuity Groups” document.

The status of the formation of the initial Continuity Groups was discussed and is summarized below:

- Emissions
 - Potential standards: 139, 187, 377
 - Prospective Chair: Dave Traver (AD - asked 1/27/20)
- Shielding
 - Potential standards: 299, 299.1, 1302, 2710, 2715, 2716
 - Prospective Chair: Davy Pisssoort (AD – provisional accept)
- Probes
 - Potential standards: 475, 1309
 - Prospective Chair: Zhong Chen (RC – provisional accept)
- Computational Electromagnetics
 - Potential standards: 1597.1, 1597.2
 - Prospective Chair:
- Intentional EMI
 - Potential standards: 1642
 - Prospective Chair: Bill Radasky (AD - asked 1/27/20)
- EMI Risk
 - Potential standards: 1848
 - Prospective Chair: Christine Blair (AD - asked)

9. Working closer with other IEEE Societies

SDECom is considering opportunities for developing IEEE EMC standards with other IEEE Societies, expand exposure to the library of IEEE EMC Standards, and to identify whether there are elements of best practice that can be brought to the EMC Society. During discussion on this topic, Don Heirman mentioned that we could consider 299.1 for publication as an IEC standard under the IEEE’s dual-logo program.

Action 2020-03 – Don Heirman: Provide a presentation on the dual logo program and process at the next meeting.

A question was raised regarding whether SDECom or SACCom should lead any dual logo effort with another SDO since SACCom is the Committee tasked with liaison to non-IEEE SDOs. It might also be appropriate for a new, separate Committee to be formed for this explicit purpose. Other ideas on this topic included:

- Present this topic for consideration at the Strategy meeting.
- Discuss this topic with the VP Standards organization.
- Hold a joint SDECom and SACCom meeting.
- Should SDECom report to SACCom as an SDO?
- Should we change the SACCom scope to cover all EMC standards?

10. IEEE Standards Association

There was no discussion on IEEE-SA topics.

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STANDARDS DEVELOPMENT ACTIVITY FOR DISCUSSION

11. New Work Items

- P2855 PAR - Recommended Practices for the Electromagnetic Characterization of Cable/Connector Assembly Shielding Effectiveness in Frequency Range of Direct Current to 40 GHz
 - Approved with changes at the last meeting.

Action 2020-04 – Ed Hare: Edit the PAR and send to NESCOM.

- P2865 PAR – Standard for EMC Simulations
 - The consensus of SDECom is that the proposed standard is not realistic and lacks sufficient backing. SDECom will decline to sponsor this standard and will refer it to TC-9 for consideration.

Action 2020-05 – Ross Carlton: Contact proposer with the SDECom decision.

Action 2020-06 – Ed Hare: Send a copy of the PAR to TC-9 for their consideration.

12. Standards reports

The current list of standards in development is located on the SDECom web site at: http://www.emcs.org/standards/sdecom/Standards_Matrix.html

The current standards in development and standards requiring attention were reviewed.

Action 2020-07 – Don Heirman: Contact Chad Kiger for latest 473 and forward to SDECom.

13. Reports from SDECom representation on other bodies

ANSI C63 met at Keysight in Santa Rosa, CA from November 18-22, 2019. John Norgard provided a report on the meeting.

14. Other IEEE Standards

No other standards of interest were discussed.

15. VP Standards

Ed Hare presented the EMCS Standards Update.

CLOSING ITEMS

16. Any other business

No other business was discussed.

17. Adjournment of meeting

The next meeting of SDECom will be held on August 3, 2020. This will be an online meeting.