

SDECom Minutes – December 9, 2019

IEEE EMC Society Standards Development and Education Committee (SDECom)

<https://www.emcs.org/development-and-education.html>

Minutes

Atlantis Casino & Resort Hotel, Reno, NV
Grand Ballroom 2

Attendees:

Alistair Duffy (Chair)

Jens Medler

Carlos Sartori

Ross Carlton (Vice-Chair)

Colin Brench

John Norgard

Davy Pissoort

Ed Hare (VP Standards)

Tom Braxton

Don Heirman

Kimball Williams

December 9, 2019

09:00-16:00

Reno, NV, 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. The meeting dates were corrected for actual. No other changes were made. Motion to approve the agenda was made by John Norgard, 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. Review and approval is deferred until they are available.

Action 2019-19 – Henry Benitez: Provide the draft minutes by the next meeting.

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.**

SDECom Minutes – December 9, 2019

- Action 2019-06 – Ed Hare; Ed to provide Henry with contact information of working group chairs. **OPEN.**
- Action 2019-11 – Alistair Duffy; Develop standards discussion group with APS & MTT & EMCS and other relevant standards for co-development standards. CLOSED. (TAB CoS Proposal R4P5)
- Action 2019-12 – Ed Hare/Ross Carlton: Create a Call for Standards Week activities proposals. CLOSED.
- 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 2019-16 – Ross Carlton: Provide SDECom promotional material for the booth. CLOSED.
- Action 2019-17 – Alistair Duffy: Provide status of 1597.1 and 2710. CLOSED.
- Action 2019-18 – Ross Carlton: Plan for a separate program for Standards Week. CLOSED.

6. **Officer Elections**

Officer elections were conducted electronically after the actual SDECom meeting but are documented here to align better with the officer's term.

Action 2019-20 – Ed Hare: Identify a slate of candidates and conduct voting for officers.

On 1/20/2020, after receiving nominations for SDECom officers and obtaining a statement from the nominees that they are able and willing to serve, Ed Hare made an electronic motion to approve the following as the officers for SDECom

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

The motion was seconded by Alistair Duffy.

The motion called for a balloting period to end on February 4, 2020. As of the close of the ballot, votes cast were 13 Aye votes, 0 Nay votes, and 6 members did not vote. The motion passes. The motion called for the new officers to assume their duties immediately upon a successful ballot.

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

Don Heirman noted that the EMCS Standards Travel Grant is available to help defray the costs of EMCS members travelling to attend Standards Working Group meetings, Standards Committee meetings (including SDECom and SACCom meetings), including those meetings held at the annual IEEE EMC symposium. Travel reimbursement is limited to 80% of the total cost of the trip to the standards meeting, but in no case will the reimbursement exceed \$600 USD per trip. Please contact John Norgard or Don Heirman for details.

Alistair Duffy described the Standards Week, which will consist of WG meetings as well as workshop, tutorial and special session content. This fits with Symposium's focus areas of EMC, SIPI, Standards, and the Exhibition.

SDECom Minutes – December 9, 2019

Action 2019-21 – Ross Carlton: Reach out to Bruce Archambeault about joining the TPC meetings.

Ed Hare then reviewed the Standards Week action items. Jens Medler mentioned that we need to add a Call for Standards Week content.

Action 2019-22 – Ed Hare: Prepare a Call for Standards Week.

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..

8. Maintenance Committees

Discussion continued on the concept of maintenance committees. Consensus on the following purposes was reaffirmed:

- To provide continuity between the periods where a WG is active to ensure that key knowledge and contributors are not lost.
- To monitor the state-of-the-art to determine the need for a new or revised standard.
- To determine if an existing standard needs to be revised, reaffirmed or cancelled.

Whether the scope of a Committee is limited to a single standard or encompasses all standards still needs to be determined. A Maintenance Committee could do promotion, education, reporting to TCs, etc. Also identification of new or significant material for papers, presentations, and demos.

This is an opportunity for working closer with the TCs. Carlos Sartori suggested that the TCs should provide members. Alistair Duffy responded that this would need to be explained and discussed with TAC first. Colin Brench added that TC ownership and participation was important for success.

Jens Medler noted that working closer with TCs could bring more people into standards development. This would have the benefit of improving SDECom's access to technical experts. It could improve standards outreach by enabling white papers, reports, and papers.

Tom Braxton stated that we need to identify and prioritize standards into focus areas. Then choose an area on which to focus.

There was more discussion on the topic of scope. Kimball Williams prefers a main committee to coordinate the efforts of the maintenance committees. John Norgard also prefers a single main committee possibly working with lower level, more focused committees. Ross Carlton also preferred a single or main committee but thinks a better name is needed. Perhaps "coordination committee" or continuity committee". Davy Pissoort agreed that the name is very important and should be carefully selected.

There followed more discussion on the naming of the committee(s) with the final result being:

- Coordination Committee – the high-level committee managing the process.
- Continuity Group – the focused committee working on a standard or focus area.

It is expected that the Coordination Committee would report to SDECom but this could change as the Society discusses its high-level Standards strategy. The Coordination Committee could be empowered at the same level as SDECom and SACCom and report to the VP Standards instead.

Standards were then reviewed for allocation to initial Continuity Groups. The resulting initial Continuity Groups are as follows:

- Emissions
 - Potential standards: 139, 187, 377
 - Alistair Duffy will work to identify a Chair.
- Shielding
 - Potential standards: 299, 299.1, 1302, 2715, 2716

SDECom Minutes – December 9, 2019

- Davy Pissoort will work to identify potential core members.
- Probes
 - Potential standards: 475, 1309
 - Ross Carlton will work to identify a Chair.
- Computational Electromagnetics
 - Potential standards: 1597.1, 1597.2
 - Alistair Duffy will work to identify a Chair.
- Intentional EMI
 - Potential standards: 1642
 - Alistair Duffy will work to identify a Chair.

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.

Action 2019-25 – Ross Carlton: Contact Zhong Chen to Chair the Probes CG.

9. Working closer with Technical committees

Deferred to Strategy meeting on December 10, 2019.

10. Long-range Strategy

Deferred to Strategy meeting on December 10, 2019

11. IEEE Standards Association

There was no discussion on IEEE-SA topics. Jennifer Santulli is on maternity leave until Jan 2020.

12. SDECom Booth at the at the 2020 EMC Symposium

The SDECom booth presence will continue to be combined with all other EMCS organizations.

Action 2019-26 – Ed Hare: Provide SDECom promotional material for the booth.

STANDARDS DEVELOPMENT ACTIVITY FOR DISCUSSION

13. 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
 - The PAR was reviewed with the following comments:
 - a) 1.3 Life Cycle: Change from Trial Use to Standard.
 - b) 2.1 Title: Change “Practices” to “Practice”.
 - c) 4.2 Ballot Date: Change from 7/2022 to 11/2023.
 - d) 4.3 RevCom Date: Change from 2/2023 to 5/2024.
 - The above changes were approved unanimously.

Action 2019-27 – Alistair Duffy: Contact IEEE-SA to make the approved changes to PAR 2855.

SDECom Minutes – December 9, 2019

- SI/PI Standards

Action 2019-28 – Alistair Duffy: Contact TC-10 for input on need for SIPI standards.

14. 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 2019-29 – Ed Hare: Contact Chad Kiger about progress on 473.

Action 2019-30 – Alistair Duffy: Create a PAR for 1597.2.

15. 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.

16. Other IEEE Standards

No other standards of interest were discussed.

17. VP Standards

Ed Hare presented the EMCS Standards Update.

CLOSING ITEMS

18. SDECom presence at Sections Congress

SDECom participation at the IEEE Sections Congress for the purpose of EMC standards education and EMCS membership development was discussed. Engagement by SDECom is not considered appropriate. This is a Society issue, which is within the scope of the VP Membership.

19. Any other business

No other business was discussed.

20. Adjournment of meeting

The next meeting of SDECom will be held on February 9, 2020 in Orlando, FL at the Residence Inn Orlando Sea World Hotel.