

SDECom – April 13, 2021

IEEE EMC Society Standards Development and Education Committee Agenda

April 13, 2021

Virtual
Zoom

Call In Numbers:

The SDECom meeting will run from 11:00 EST to 15:00 EDT. This meeting is virtual-only. Attendees can participate using Zoom or Call-in. For Zoom or Call-in details, please contact one of the officers.

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@arrrl.org
Standards Association Liaison
Jennifer Santulli j.santulli@ieee.org

Meeting start 11:00 EST

1. Call to Order and Self-introductions **Chair**

Business items – fire exit, restrooms, cellular telephones off.

Please use microphone.

Members will be invited to describe what their current duties/responsibilities are and what they would like to do to contribute to the work of the committee.

Guests will be invited to describe their interest in attending the meeting.

2. Approval of the Agenda **Secretary**

To agree on the agenda, modifying if necessary, and to identify any items of other business to be covered in AOB. To note the Standards maintained by SDECom.

Action 2021-01 - Ed: Update the SDECom email reflector for latest/ Check Ghery. Add Karen.

GENERAL ITEMS TO NOTE

3. Show IEEE Patent slides **Secretary**

To ensure that all attendees of the meeting are aware of obligations and expectations under IEEE rules

The patent slides were shown.

ADMINISTRATIVE ITEMS FOR ACTION

4. Minutes of the Previous Meeting

Secretary

To approve the minutes of the last meetings on August 3rd and 27th 2020 at the virtual 2020 IEEE EMC Symposium.

A motion to approve the minutes of the meetings on August 3rd and 27th 2020 was made by Mr. Pettit, and seconded by Mr. Williams. The motion passed unanimously.

5. Membership

To approve the addition of Karen Burnham to the SDECom membership.

A motion to approve the membership of Ms. Burnham was made by Mr. Hare, and seconded by Mr. Williams. The motion passed unanimously.

6. Actions of the Previous Meeting

Secretary

To note progress on actions from the previous meeting not otherwise covered on this agenda.

The action items were reviewed and their status was updated.

7. Enhancing education

To consider options for increasing focus on education, including the creation of a Standards Education Committee.

The EMC Society had a separate Education committee previously. Education merged with Development, probably due to lack of participation. Mr. Brench noted that the Education committee was not the resource that was expected and needed. SDECom has sponsored and continues to sponsor training events at Symposia. What more do we need or want to do? Mr. Hare notes we could create a continuity group – or a Subcommittee for Education. Mr. Brench questioned whether we push or pull for content. Seeking content needs from standards users seems appropriate. Do we need a poll? Should we establish the continuity group? The group will need a leader. Begin with identifying what is needed? What is the scope (IEEE or Global)? An Ad Hoc group will be established. Ms. Burnham and Mr. Williams will participate. A possible topic is the derivation of requirements.

8. Arrangements for Standards Week

To discuss the planned implementation and content for Standards Week at the virtual 2021 Joint IEEE International Symposium on EMC+SIPI, and EMC Europe from 27 July to 13 August.

The Committee reviewed Mr. Brench's article on Standards Week for the Magazine. A number of tutorials/workshops and papers related to Standards have been identified. Mr. Brench and Mr., Hare will meet to plan content. Working groups can meet virtually as desired at any time. We need the real Symposium dates and schedule to plan effectively.

9. Standards strategy

To discuss the portfolio of standards and the strategy for new development work going forward.

The Standards Sandpit project approved by the IEE CoS has been delayed.

Does the EMCS have a strategy for standards development? We need to determine what our strategy is, if it is needed to put it into words. We will handle this as part of the Society review process under the direction of the VP of Standards.

10. Continuity Groups

To discuss the creation and operation of continuity groups for completed standards.

The Committee reviewed the proposed CG assignments. No progress since last meeting in getting commitments from prospective Chairs. Mr. Traver commented on the difficulty in finding and retaining resources. This is a constant and pervasive problem.

Action 2021-02 - Ross to setup a meeting with all prospective CG Chairs to discuss the idea of Continuity Groups to determine if the concept is practical.

11. Working closer with other IEEE Societies

To consider 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.

SDECom is currently a co-sponsor of C37.90. We could review all existing PARs for IEEE standards for potential connection to EMC. Could we get reports from other Societies? Could SACCom do this? It is currently outside of their scope. This topic should be considered for the Standards Strategy.

12. IEEE Standards Association

To discuss items of interest from the Standards Association.

Received updated WG patent and copyright policy slides from Ms. Santulli. She will forward to the WG chairs.

The Standards Committee (formerly known as Sponsor) Policy and Procedures (P&P) document for IEEE EMC/SDCom was accepted by the IEEE SA Standards Board in 2016 and will expire at the end of 2021. A revised P&P document must be submitted. A new baseline document has been created.

Jennifer will copy our existing P&P into the new baseline and note areas in need of discussion. This will be forwarded to the membership for review and comment. Plan to complete by Fall SDECom meeting.

Documents expiring this year:

- P1597.1 Standard for Validation of Computational Electromagnetics Computer Modeling and Simulations
- P2717 Passive Intermodulation Test Methods for Wireless Systems in Low Noise Environments
- P2665 Recommended Practice for Statistical Process Control for EMC Test Laboratories
- P2718 Guide for Near Field Characterization of Unintentional Stochastic Radiators
- P1128 Recommended Practice for Radio-Frequency (RF) Absorber Evaluation in the Range of 30 MHz to 40 GHz

Extension requests will be for 2 years.

Action 2021-03 - Ross/Ed to reach out to WG Chairs on need for extension (PARs) or maintenance (Stds).

STANDARDS DEVELOPMENT ACTIVITY FOR DISCUSSION

13. New Work Items

To consider the need for new standards or recommended practices. Specific topics include the strategy of the portfolio and developing standards with the ESD Association.

The following possible new work items were discussed::

- Application of system level ESD methods (IEC 61000-4-2) to PCBs or ICs.
- EMC Modeling of ICs.

14. Standards Reports

To receive reports from Working Groups, including reporting on any standards requiring management and the status of standards work, not otherwise covered on this agenda.

The Committee is invited to discuss actions required on any existing, proposed or tentative standards projects, noting reports from active working and study groups.

The list of standards is also available on the EMCS web site, i.e.

new

https://s3.us-east-2.amazonaws.com/ieeesdecom/Standards_Matrix_20181003.pdf

old

http://www.emcs.org/standards/sdecom/Standards_Matrix.html

Mr Hare will update the standards list.

15. Reports from SDECom representation on other bodies

To discuss items associated with ANSI C63, IEC and ISO.

Mr. Norgard, the EMC Society liaison to C63, reported on recent C63 activities. There have been no face-to-face meetings in 2020. All meetings are online. C63 motions where SDECom voted include adding Keystone Compliance as a member and the extension of officer terms. Once interpretation was issued on antenna calibrations by an EMC lab.

Mr. Petit noted that the C63 meeting planned for November 12-19, 2021 will conflict with CISPR plenary meeting.

16. Other IEEE Standards

To discuss other IEEE standards of interest

No discussion at this time.

17. VP Standards

To discuss items raised by the VP of Standards not otherwise covered on the agenda.

No discussion at this time.

CLOSING ITEMS

18. Any other business

To discuss any other business raised during agenda item 2.

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No other business was raised.

19. Adjournment of meeting at 12:48 CDT

To note the date and venue of the next SDECom meeting.

The next meeting of SDECom will be Wednesday, July 13 @ 11am EDT for 2 hours. We will use Zoom again.

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ACTION ITEMS

AI #	Action	Owner	Assigned	Due	Status
2018-07	Add EMC-S as co-sponsor to both P1613 and PC37.90.2 – both standards with significant EMC content.	Jennifer Santulli	7/30/18	N/A	Closed 4/13/21. Complete.
2018-08	Add EMC-S as co-sponsor to PC37.90.1 and PC37.90.3.	Jennifer Santulli	8/2/18	N/A	Closed 4/13/21. Complete.
2019-06	Ed to provide Henry with contact information of working group chairs.	Ed Hare	4/7/19	N/A	Closed 4/13/21. Complete.
2019-14	Add maintenance committee chairs and their reports to his EMC Standards Status report.	Ed Hare	7/22/19	N/A	Closed 4/13/21. Complete.
2019-29	Contact Chad Kiger about progress on 473.	Ed Hare	12/9/19	N/A	Open. In progress.
2019-30	Create a PAR for 1597.2.	Alistair Duffy	12/9/19	N/A	Open.
2020-06	Send a copy of the PAR for P2865 to TC-9 for their consideration.	Ed Hare	2/9/20	N/A	Closed 4/13/21. Complete.
2020-08	Send out the latest report form to WG Chairs and SDECom.	Ed Hare	8/3/20	N/A	Closed 4/13/21. Complete.
2020-09	Send an ad for WG meetings for email and social media to Alistair Duffy.	Ed Hare	8/3/20	N/A	Closed 4/13/21. Obsolete.
2020-10	Send 8/27 agenda to BoD in addition to SDECom.	Ross Carlton	8/3/20	N/A	Closed 4/13/21. Complete.
2020-11	Check with Bill Radasky about Chairing IEMI CG.	Ed Hare	8/3/20	N/A	Open.
2020-12	Check with Jerry Ramie about Chairing P&E CG.	Ross Carlton	8/3/20	N/A	Open.
2020-13	Check on the status of the Std (Power-line Communication).	Ed Hare	8/3/20	N/A	Open.
2020-14	Setup SDECom meeting to discuss Continuity Groups.	Ross Carlton	8/3/20	N/A	Open.
2020-15	Setup meeting between SDECom and SACCom, with invitation to the BoD, to discuss the dual-logo opportunity and how the Society should move forward.	Ross Carlton	8/3/20	N/A	Open.
2020-16	Send link to Ross for IEEE-SA WG training content.	Jennifer Santulli	8/3/20	N/A	Closed 4/13/21. Complete.
2020-17	Contact WG chairs about requesting the approved extensions.	Ed Hare	8/27/20	N/A	Closed 4/13/21. Complete.
2020-18	Add the P1848 topic to the agenda of a future SDECom meeting.	Ross Carlton	8/27/20	N/A	Closed 4/13/21. Complete.
2021-01	Update SDECom reflector email. Check Ghery. Add Karen.	Ed Hare	4/13/21	6/13/21	New

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2021-02	Setup a meeting with all prospective CG Chairs to discuss the idea of Continuity Groups to determine if the concept is practical.	Ross Carlton	4/13/21	7/13/21	New
2021-03	Reach out to WG Chairs on need for extension (PARs) or maintenance (Stds).	Ross Carlton Ed Hare	4/13/21	7/13/21	New