IEEE EMC Society Standards Development and Education Committee
Agenda

July 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@arrl.org

Standards Association Liaison

Jennifer Santulli	j.santulli@ieee.org

Meeting start

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.

   Item 5 was added to the agenda. A motion to approve the agenda was made by Mr. Zimmerman, and seconded my Mr. Fanning. The motion passed unanimously.

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 meeting on April 13th 2021.

A motion to approve the minutes of the meetings on April 13th was made by Mr. Pettit, and seconded my 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.

There was no discussion on this topic.

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.

Mr. Brench and Mr., Hare continue to plan content and schedule ancillary meetings. Working group meetings are being scheduled.

9. **Standards strategy**

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

Mr. Carlton raised the topic of potentially creating training for key standards that can be offered for a fee on the IEEE Online Learning Network. Such standards might include Std. 299 and Std. 299.1.

Discussion on the topic ensued with the following key points. Would need to identify resources to create such training (volunteer or paid). New standards would be good candidates. One such possibility is the new power line gap noise Std 1897. Another is the new Std 1848. SDECom needs to understand more about what is involved and the support available from IEEE.

Action 2021-06 - Ed to download a presentation from the ILN to report on style, content and production values.

10. **Continuity Groups**

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

The proposed 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
    - Potential chair: Davy Pissoort (open to discussion; availability severely limited)
- 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:
- Intentional EMI
    - Potential standards: 1642
    - Potential chair: Bill Radasky (open to discussion; availability severely limited)
- EMI Risk
    - Potential standards: 1848
    - Potential chair:

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.

There was no discussion on this topic.

12. **IEEE Standards Association**

To discuss items of interest from the Standards Association.

The IEEE SA is offering training on standards development policies and practices. This training targets Standards Committee officers but is valuable for all SDECom members and WG Chairs.

Action 2021-07 – Ross to send the IEEE SA Governance Training link to SC and WG members.

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.

A. Review (and approval) of the WG draft of 1597.1 (D4) for balloting.

a. After discussion, Ed motioned for SDECom to hold and online vote to approve the project for ballot.

Action 2021-08 – Ross to send draft to the SDECom membership for discussion and vote.

    B.   Understand whether the description of P2838 in its PINS will result in a duplication of existing standards from RTCA or SAE.

Action 2021-09 – Ross to contact the Chair of the WG for P2838 for a response.

    C.   Receive an update on the status of C37.90.2 (Radiated RF immunity for Relay Systems).

Action 2021-10 – Ross to invite Jerry Ramie to the next meeting for an update on C37.90.

    D.   Request 2-year extensions for PARs due to expire in 2021. Deadlines for NesCom consideration and approval of requests are 8/13/21 and 10/18/21.

        1)   P1597.1 Standard for Validation of Computational Electromagnetics Computer Modeling and Simulations

        2)   P2717 Passive Intermodulation Test Methods for Wireless Systems in Low Noise Environments

        3)   P2665 Recommended Practice for Statistical Process Control for EMC Test Laboratories

        4)   P2718 Guide for Near Field Characterization of Unintentional Stochastic Radiators

        5)   P1128 Recommended Practice for Radio-Frequency (RF) Absorber Evaluation in the Range of 30 MHz to 40 GHz

Action 2021-11 – Ross to work with WG Chairs to request extensions by 8/1.

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

Action 2021-12 – Ed to update the standards list and provide a new link.

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 2021. All meetings are online. The Main Committee meeting planned for November 2021 will be an in-person meeting.

Mr. Domenico Festa, of IBD Italy and a technical expert to IEC TC77B, provided an update.

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.

No other business was raised.

19.   **Adjournment of meeting**

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

The next meeting of SDECom will be Monday, August 16th from 11:30am EDT to 13:00 EDT. We will use WebEx for this meeting.

ACTION ITEMS

AI #	Action	Owner	Assigned	Due	Status
2019-29	Contact Chad Kiger about progress on 473.	Ed Hare/Ross Carlton	12/9/19	N/A	Open. In progress.
2019-30	Create a PAR for 1597.2, a practical guide for implementation of 1597.1.	Alistair Duffy	12/9/19	N/A	Open.
2020-11	Check with Bill Radasky about Chairing IEMI CG.	Ed Hare	8/3/20	N/A	Closed 7/13/21. Needs information.
2020-12	Check with Jerry Ramie about Chairing P&E CG.	Ross Carlton/ Ed Hare	8/3/20	N/A	Open.
2020-13	Check on the status of the Std 1775 (Broadband over Power-line Communication).	Ed Hare	8/3/20	N/A	Closed 7/13/21. Expiring. SDECom take on ownership and maintenance from PES. See 2021-02.
2020-14	Setup SDECom meeting to discuss Continuity Groups. (Define role.)	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	Closed 7/13/21. Select such candidates before involving the BoD.
2021-01	Update SDECom reflector email. Check Ghery. Add Karen.	Ed Hare	4/13/21	6/13/21	Closed 7/13/21.
2021-02	Setup a meeting with all prospective CG Chairs to discuss the idea of Continuity Groups.	Ross Carlton	4/13/21	7/13/21	Open
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	In progress.
2021-04	Draft a PAR for Std 1775.	Ed Hare	7/13/21	8/1/21	New
2021-05	Review standards for dual logo opportunities.	All	7/13/21	8/16/21	New
2021-06	Download a presentation from the ILN to report on style, content and production values.	Ed Hare	7/13/21	8/16/21	New
2021-07	Send the IEEE SA Governance Training link to SC and WG members.	Ross Carlton	7/13/21	8/16/21	New
2021-08	Send the P1597.1 draft to the SDECom membership for discussion and vote.	Ross Carlton	7/13/21	8/16/21	New
2021-09	Contact the Chair of the WG for P2838 for a response on similarity to other standards.	Ross Carlton	7/13/21	8/16/21	New
2021-10	Invite Jerry Ramie to the next meeting for an update on C37.90.	Ross Carlton	7/13/21	8/16/21	New
2021-11	Work with WG Chairs to request extensions by 8/1.	Ross Carlton	7/13/21	8/16/21	New
2021-12	Update the standards list and provide a new link.	Ed Hare	7/13/21	8/16/21	New