

# SDECom Agenda March 16th and 18th 2015

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## IEEE EMC Society Standards Development and Education Committee

### Part 1

#### Draft (SDECom) Agenda

August 17th, 2015 08:00 – 11:00

Seminar 2 Dresden Convention Centre

Dresden, Germany

#### Call In Numbers:

TBA

**Chair:** Alistair Duffy [apd@dmu.ac.uk](mailto:apd@dmu.ac.uk)  
**Vice Chair:** Craig Fanning [cfanning@elitetest.com](mailto:cfanning@elitetest.com)  
**Secretary:** Ghery Pettit [ghery.pettit@intel.com](mailto:ghery.pettit@intel.com)

**Vice President (Standards);**  
Don Heirman [d.heirman@att.net](mailto:d.heirman@att.net)  
**Standards Association Liaison**  
Tricia Gerdon [p.gerdon@ieee.org](mailto:p.gerdon@ieee.org)

**1. Call to Order and self introductions** **Chair**

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

Please use microphone.

**2. Approval of Agenda** **Secretary**

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

Due to the busy nature of the Symposium week, it is requested that the agenda ordering be flexible to accommodate other schedules where necessary. Members wishing, specifically, to talk to a particular item are invited to note this with one of the Officers to ensure that opportunity

#### *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

**4. Standards Booth** **Chair**

To note current staffing commitments for the booth and request additional support if required.

#### *ADMINISTRATIVE ITEMS FOR ACTION*

**5. Minutes of Previous Meeting**

To receive and agree the minutes of the previous meeting held 16<sup>th</sup> & 18<sup>th</sup> March, Santa Clara. Minutes previously circulated.

**6. Actions of the Previous Meeting**

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

## *STANDARDS DEVELOPMENT ACTIVITY FOR DISCUSSION*

### **7. To review the status of Standards maintained or watched by SDECom**

The Committee is invited to discuss actions required on any of those standards, with a particular focus on standards close to their expiry, those where technology developments lead to a revision of the standard and those where wider application can be found for the standard within the remit of the IEEE EMC Society and the Standards Advisory and Coordination Committee (SACCom). In particular, for standards due to expire in a few years, should SDECom reconvene a Working Group to update the standard in a timely manner, should SDECom convene a Study Group to identify whether a standard should be updated (including making changes to ensure the standard is relevant to the new engineering environment). For standards not due to expire, the committee is invited to consider whether changes in the underlying technology or application areas mean that a review of the standard would be appropriate. The list of standards is given at the end of this agenda. The standards due to expire within the next 5 years are:

Note: That these were reaffirmed to keep them active. There is no longer a reaffirmation process within the IEEE Standards Association. This means that if the standard is to continue to be active, a revision has to be made. Revisions open up the entire standard to changes.

Note: Working and Study group meetings during the week will be reported on at the second meeting on Thursday.

The list of standards is given in Appendix 1 and is available on the EMCS web site at

[http://www.emcs.org/standards/sdecom/Standards\\_Matrix.html](http://www.emcs.org/standards/sdecom/Standards_Matrix.html)

### **8. Priorities for 2016**

To discuss work and development plans until the end of calendar year 2016:

#### **8.1. Conference presence.**

8.1.1. Should we look to have a 'Standards Day' just before the start of the conference for WG and SG meetings with a plenary meeting with buffet?

8.1.2. Portable presentation material. To agree action on a portable display that can be used to support booth and table-top exhibitions.

8.1.3. Web presence. What should we look to do?

8.1.4. P&Ps. This item has hung over for some time. This item is to agree dates for revision meetings.

8.1.5. Should we look to have events/presence at any of the co-sponsored conferences in 2016:

- Globespace
- APEMC
- EMC Europe
- ESA 2016
- Electrostatic Discharge Association

#### **• Reports from SDECom representation on other bodies**

To discuss items associated with C63

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## *VICE PRESIDENT (STANDARDS) ITEMS*

1. **Society Strategic Objectives and long range planning**

The Society has a number of strategic objectives: a number of which are 'owned' or have input from VP Standards. This item invites VP Standards to discuss those objectives and progress made in achieving them, including the identification of topics of interest to the Future Strategy task group, if appropriate.

2. **Hot topics**

The committee is invited to discuss what it feels are the current and upcoming hot topics in EMC standardization.

3. **Travel grant**

To receive an update on the Travel Grant.

Norgard

## *EDUCATION AND TRAINING*

4. **Report on ESAC joint meeting**

ETC

To receive a report on the joint discussions held earlier in the week with ESAC

Present proposal for Education link on EMCS home page

Heirman

## *CLOSING ITEMS*

- **Any other business**

To discuss items of other business raised under item 2

- **Review of action items**

To review the action items arising during this meeting.

- **Adjournment of meeting**

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

18<sup>th</sup> March 2015, 7:30 am to 9 am

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## IEEE EMC Society Standards Development and Education Committee

### Part 2

### Draft (SDECom) Agenda

August 20th, 2015 15:00 – 17:30

Seminar 2 Dresden Convention Centre

Dresden, Germany

5. **Call to Order** **Chair**
6. **Approval of Agenda** **Secretary**  
To agree agenda, modifying if necessary, and to and identify any items of other business to be covered in AOB.
7. **Business carried over from Monday 4<sup>th</sup> meeting**  
To discuss any items not completed on Monday
8. **Reports from Working and Study Groups**
- 8.1. 1597.1
  - 8.2. Risk Management in EMC
  - 8.3. P1302
  - 8.4. Planar materials
  - 8.5. On-board shielding
  - 8.6. Forensic Pouches
  - 8.7. 1182
  - 8.8. Other *ad hoc* meetings.

### *CLOSING ITEMS*

9. **Any other business**  
To discuss items of other business raised under item 2  
Website maintenance Fanning
10. **Review of action items**  
To review the action items arising during this meeting.
11. **Adjournment of meeting**  
To note the date and venue of the next SDECom meeting.

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Appendix 1 list of standards as described on the web

IEEE Std.	Title	Expiration Date or Link to IEEE Project Authorization Request (PAR)	Chair or Point of Contact and Status
Std.139-1988	IEEE Recommended Practice for the Measurement of RF Emission from ISM Equipment on User's Premises <a href="#">More Information</a>	Dec 31, 2017	Current standard; reaffirmed June 13, 2012  Contact: <a href="#">SDECom Secretary</a> (Ghery Pettit)
Std. 140-1995	IEEE Recommended Practice for Minimization of Interference from Radio Frequency Heating Equipment <a href="#">More Information</a>	Dec 31, 2000	Withdrawn standard. The standard was administratively withdrawn Dec 31, 2000. The standard is obsolete and there are no plans to revise it.  Contact: SDECom secretary (Ghery Pettit)
Std. 187-2003	IEEE Standard on Radio Receivers: Open Field Method of Measurement of Spurious Radiation from FM and TV Receivers <a href="#">More Information</a>	Dec 31, 2018	Current standard. To be updated to better cover digital television.  Chair: David Traver Contact: SDECom secretary (Ghery Pettit)

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Std. 139-1988	IEEE Recommended Practice for the measurement of Radio Frequency from Industrial, Scientific, and Medical (ISM) Equipment Installed on User's Premises	Dec 31, 2022	Current standard; contact SDECom secretary (Ghery Pettit)
Std. 299-2006	IEEE Standard Method for Measuring the Effectiveness of Shielding Enclosures (ANSI Recognized) <a href="#">More Information</a>	Dec 31, 2022	Current standard; reaffirmed June 13, 2012  Contact: SDECom Secretary (Ghery Pettit)
Std. 299.1-2013	IEEE Standard Method for Measuring the Shielding Effectiveness of Enclosures and Boxes Having Dimensions Between 0.1 and 2 m <a href="#">More Information</a>	Dec 31, 2023	Published 2013  Contact: SDECom secretary (Ghery Pettit)
Std. 377-1980	IEEE Recommended Practice on the Measurement of Spurious Emissions from Land-Mobile Comm. Transmitters (ANSI Recognized) <a href="#">More Information</a>	Dec 31, 2018	Current standard. No revisions are underway at this time.  Contact: SDECom secretary (Ghery Pettit)
Std. 473-1985	IEEE Recommended Practice for an Electromagnetic Site Survey (10 KHz – 10 GHz) <a href="#">More Information</a>	May 30, 2005	Withdrawn standard. The EMC Society Technical Committee 3 is undertaking revision. A new PAR is being prepared. Acting Chair: Randy Jost

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**Contact: SDECom secretary (Ghery Pettit)**

<b>Std. 475-2000</b>	<b>Measurement Procedure for Field Disturbance Sensors, 300 MHz to 40 GHz (ANSI Recognized)</b> <a href="#">More information</a>	<b>Dec 31, 2022</b>	<b>Current standard. There is interest in having the frequency range extended below 300 MHz.</b>  <b>Standard was reaffirmed June 13, 2012</b>  <b>Contact: SDECom secretary (Ghery Pettit)</b>
<b>Std. 1128-1998</b>	<b>IEEE Recommended Practice for RF Absorber Evaluation in the Range of 30 MHz to 5 GHz.</b> <a href="#">More Information</a>	<b>Dec 31, 2022</b>	<b>Current standard. Standard was reaffirmed June 13, 2012</b>  <b>Contact: SDECom secretary (Ghery Pettit)</b>
<b>Std. 1140-1994</b>	<b>Test Procedures for the Measurement of Electric and Magnetic Fields from Video Display Terminals from 5 Hz to 400 kHz.</b> <a href="#">More Information</a>	<b>Dec 31, 2018</b>	<b>Current standard.</b>  <b>Contact: SDECom secretary Ghery Pettit)</b>
<b>Std. 1302-2008</b>	<b>Electromagnetic Characterization of Conductive Gaskets in the Frequency Range of DV to 18 GHz.</b> <a href="#">More Information</a>	<b>Dec 31, 2018</b>	<b>Current standard. Draft PAR to revise the standard generated.</b>  <b>Chair: <a href="#">Davy Pissoort</a></b> <b>Contact: SDECom secretary (Ghery Pettit)</b>
<b>Std. 1309-2013</b>	<b>Standard for Calibration of Electromagnetic Field Sensors and</b>	<b>Dec 31, 2023</b>	<b>Published</b>

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	Probes, Excluding Antennas, from 9 kHz to 40 GHz <a href="#">More Information</a>		
Std. 1560-2013	Methods of Measurement of Radio Frequency Interference Filter Suppression Capability in the Range of 100 Hz to 10 GHz. <a href="#">More Information</a>	Dec 31, 2023	Current standard.  Contact: SDECom secretary (Ghery Pettit)
Std. 1597.1-2008	Standard for validation of CEM Computer Modeling (CEM) and Simulation <a href="#">More Information</a>	Dec 31, 2018	Current standard Working Group is revising. Chair: <a href="#">Andy Drozd</a>  Contact: SDECom secretary (Ghery Pettit)
Std. 1597.2-2010	Recommended Practice for Computational Electromagnetics (CEM) Computer Modeling and Simulation Applications <a href="#">More Information</a>	Dec 31, 2020	Current standard. No revisions are underway at this time. Chair: <a href="#">Andy Drozd</a>  Contact: SDECom secretary (Ghery Pettit)
Project 1642	Recommended Practice for Protecting Public Accessible Computer Systems from Intentional EMI <a href="#">More Information</a>	<a href="#">IEEE PAR</a>	Approved ballot Chair: <a href="#">Bill Radasky</a>  Contact: SDECom secretary (Ghery Pettit)



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Project 1688	<b>Standard for Module Electromagnetic Interference (EMI) Testing</b> <a href="#">More Information</a>	<a href="#">IEEE PAR</a>	<b>Approved ballot</b> <b>Chair: <a href="#">Fred Heather</a></b>
			<b>Contact: SDECom secretary (Ghery Pettit)</b>
Project 1836	<b>Standard for Electromagnetic Compatibility (EMC) - Limits for Harmonic Current Emissions Produced by Equipment Connected to Public Low-Voltage Systems with Input Current &lt;= 16 A Per Phase</b> <a href="#">More Information</a>	<a href="#">IEEE PAR</a>  <b>Dec 31, 2014</b>	<b>PAR withdrawn on 18 February 2014</b> <b>Chair: <a href="#">Larry Conrad</a></b>
			<b>Contact: SDECom secretary (Ghery Pettit)</b>
Project 1837	<b>Standard for Electromagnetic Compatibility (EMC) - Limits for Harmonic Current Emissions Produced by Equipment Connected to Public Low-Voltage Systems with Input Current &gt; 16 and &lt;= 75 A per phase</b> <a href="#">More Information</a>	<a href="#">IEEE PAR</a>	<b>PAR withdrawn on 18 February 2014</b> <b>Chair: <a href="#">Mark Halpin</a></b>
			<b>Contact: SDECom secretary (Ghery Pettit)</b>
Project 1897	<b>Resolution of Power Line Gap Noise Reports</b>	<b>New project</b>	<b>WG formed</b> <b>Contact: SDECom secretary (Ghery Pettit)</b>