



**IEEE ELECTROMAGNETIC COMPATIBILITY SOCIETY
SPECIAL COMMITTEE 1, SMART GRID
Annual Meeting August 15, 2011**

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**AGENDA
5:30 pm to 6:30 pm**

1.	Welcome & Introductions (Chair)	3 minutes
2.	Duty to Inform (Patents Slides)	4 minutes
3.	Discuss Charter	5 minutes
4.	EMCS Website TAC and SC1	12 minutes
5.	Review Tutorial	10 minutes
6.	Project Proposals	10 minutes
7.	Plans for 2012 Pittsburgh	10 minutes
8.	SG Coordination	2 minutes
9.	Next Meeting Venue and Time	3 minutes
10.	Adjournment	1 minutes



IEEE ELECTROMAGNETIC COMPATIBILITY SOCIETY SPECIAL COMMITTEE 1 – SMART GRID

MINUTES – Monday, 15 Aug 2011

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SC MEMBERS PRESENT

Don Heirman – Chair
Bill Radasky – Vice-Chair
Kermit Phipps – Secretary

Pre-meeting Members	New Members	
SDCom – Andy Drozd	Ed Hare	Bob Hofmann
TC-2 – Don Heirman	William Bush	Philip Keebler
TC-3 – Fred Heather	Brian Cramer	Karen Dyberg
TC-4 – Philip Keebler	Frank Leferink	Roelof Timens
TC-5 – Bill Radasky	David Thomas	Anders Larsson
TC-6 – Karen Dyberg	Hideki Osaka	Henglin Chen
TC-9 – Allen Roden	Conan Boyle	Marty Czuba
SC-2 – Magnus Olofsson	Tetsuya Tominaga	Chiharu Miyazaki
	Jeremy Campbell	Mike McInerney
	Steve Majkowski	Qin Yu
	David Arnett	Galen Koepke
	John Maas	Petre-Marian Nicolae
	Mohammadrez Bazegaran	Osama Mohammed
	Robert Smolenski	Henglin Chen
	Stanislav Skibin	

OTHERS PRESENT

None

MINUTES – Monday, 15 Aug 2011

IEEE EMCS TAC SPECIAL COMMITTEE 1 – SMART GRID

5:30 p.m. to 7:00 p.m.

1.0 Call to Order and Introductions

The Chair, Don Heirman, opened the SC1 meeting at 5:30 p.m. There were 28 attendees.

2.0 Duty to Inform

The Chair, Don Heirman informed and reviewed the required patent slide set.

3.0 Discuss Charter and TC Transition

The Chair, Don Heirman reviewed the special committee charter:

This special committee is concerned with coordinating the EMC Society activity on providing EMC principles for those organizations and associated documentation and specifications that address the efficient use of the AC power grid including the control of power entering a house or building. Such control may be from a meter at the point of power entry into these facilities to control incorporated into appliances and other electronic devices in these facilities. Such controllers may be sources of undesirable RF emissions and at the same time vulnerable to the RF environment which speaks to the need for EMC. It is expected that the coordination aspect of this special committee will involve several EMCS Technical Committees including

TC2 EMC Measurements
TC3 EM Environments
TC4 EMC Design
TC 5 High Power EM
TC9 Computational EM

After discussion of the charter, the group engaged in an exciting parley about the future work and requirements to help transition the group to a formal TAC Technical Committee. In conjunction with this topic, the following points were brought out:

- Channel initial interest into work projects such as SC1 members providing inputs
- Provide a roadmap that helps in where we are going
- Make better known the EMC-S role in SG interoperability to other societies and the public

4.0 EMCS Website TAC and SC1

Don Heirman illustrated the navigation of the EMC-S website and how to find the TAC and SC1 information to the group. The group then discussed that they would like to have added to the SC1 a webpage a link containing pertinent smart grid URLs and took the following action item:

Action Item – all members are to forward URLs that are found regarding smart grid operation, problems associated with smart grid, and any work or schedules of smart grid implementation.

5.0 Review Tutorial

The tutorial was well received with an average of 41 people attending each session, peaking at 62 total in attendance.

There was a very interesting follow up discussion for the presentation given on the large scale implementation of smart meters in Sweden where the meters were inaccurate due to interference. In addition to this discussion, HEMP and IEMI were discussed involving how these issues would be reflected and addressed for Smart Grid since there are high level activities going on in these areas.

The group settled on the following issues that the committee would not address:

- Focus will be electronics, no health related impacts or public perceptions
- Will not focus on cyber security

[Action Item – find a member that lives in a city that has implemented smart meter reading and obtain feedback on operating experience.](#)

6.0 Future Tutorial/Workshop

The group discussed the following items as possible topics for 2012 workshop/tutorial:

- Existing Technology Update
- Linking communication issues with interference
 - a) Smart Meters
 - b) Possible Smart Meter Error Demonstration
 - c) Real life issues
- EM Environment
- System Level Overview and Aspects

7.0 2012 Plans (Pittsburg Symposium)

The following items were discussed for future activities:

- Have another tutorial on Smart Grid
- Hold the next SC1 meeting just after the tutorial in Pittsburgh
- Review initial batch of papers from call for papers
- Consider a separate standard on EMC aspects of Smart Grid
- Have a demo or another tutorial of EMC issues with SG metering

8.0 SG Coordination

The chair, Don Heirman discussed the coordination of the EMC-S knowledge base and how to bring together the expertise from most of the EMCS TCs to address SG from the viewpoint of their specialties

9.0 Next Meeting Venue and Time

The group will meet by way of webinar and teleconference as required throughout the year, the next physical meeting will be held after the workshop or tutorial at the EMC-S Symposium.

10.0 Adjourn

The Chair, Don Heirman closed the meeting at 7:00 p.m.