**IEEE EMC SC 1 (Smart Grid) Meeting Minutes**

**Wednesday, 16 May 2018 from 7:00 – 8:30 am**

**Joint IEEE EMC & APEMC Symposium, Singapore**

**Prepared by**

**Secretary**

Attendees

Bill Radasky Vice-Chair Metatech Corporation, US wradasky@aol.com

Ileana-Diana Nicolae Secretary Univ. of Craiova, Romania nicolae\_ileana@software.ucv.ro

Ed Hare Member American Radio Relay League w1rfi@arrl.org

Petre-Marian Nicolae Member Univ. of Craiova, Romania pnicolae@alth.ucv.ro

Roles of Attendees

Bill Radasky is the Vice Chair of SC 1 and the Chair of TC 5, Ileana-Diana Nicolae is the Secretary of SC 1, and Petre-Marian Nicolae is the Vice Chair of TC 7. Don Heirman was not able to attend the meeting and Bill Radasky chaired this meeting.

1. Welcome and introductions

Bill Radasky, the Vice-Chair of SC 1, acting as the Chair of this meeting,opened this meeting at the Joint Symposium of the IEEE EMC and APEMC in Singapore and emphasized that SC 1 is a coordinating committee with the intention to work with other technical committees in the IEEE EMC Society with regard to the Smart Grid. He indicated that the scope/charter of the committee is found at: <http://www.emcs.org/committees/sc01/index.html>

Bill Radasky presented the agenda that had been e-mailed to the membership and asked if there were any suggestions for changes or additions. Hearing none, the agenda was approved as written.

The membership of the committee has varied over the years, and Bill Radasky presented a table summarizing the SC 1 attendance from 2013-2017 (attached to these minutes), and he pointed out that some members who attended the SC 1 meeting in the past did not have valid email addresses today. It was decided to redo the membership roster with more emphasis on the last two meetings (three meetings in this case over the last 2 years). The membership list found on the web will be replaced with a more current list.

2. Review and approval of the minutes from the National Harbor meeting held in August 2017

The Chair reviewed the minutes and there were no recommendations for changes. The minutes were therefore approved. The National Harbor minutes are attached.

3. Review of action items from National Harbor meeting

The action item list on the agenda for this meeting was reviewed and there were no actions completed at this meeting. It is intended that the action item list will be redone after the next meeting in Long Beach.

ACTION ITEM 2015-2: Bill Radasky to send memorandum to the Convener of SC77B/MT12 (about lack of commercial couplers for IEC 61000-4-18) [OPEN]

ACTION ITEM 2015-3: Secretary of SC 1 to revise web pages to update coordination with other technical committees [OPEN]

ACTION ITEM 2015-6: Bill Radasky to contact TC13 to find out their procedures for their defined test methods for EMC to find out how to load Smart Meters during testing [OPEN]

ACTION ITEM 2016-2: Don Heirman to collect paper ideas from SC 1 members to use in a new column in the EMC Society magazine making the reader aware of the activity of SC 1 [OPEN]

ACTION ITEM 2016-3: Abtin Spantman will prepare a short description of the planned work. To measure the harmonics generated by in-feed converters and other rectifiers. [OPEN]

ACTION ITEM 2016-4: SC 1 members will provide comments back to Mr. Spantman after completion of 2016-3 [OPEN]

ACTION ITEM 2017-1: Don Heirman to investigate the IEEE 2030 activity to see if there is information that can be provided to SC 1 [OPEN]

ACTION Item 2017-2: Don Heirman will ask IEEE EMC Society TC chairs for any Smart Grid activity they may have [OPEN]

4. New projects proposals

Petre-Marian Nicolae mentioned that he has been discussing the possibility of a special issue with PES under one of their magazines, to cover the topic of EMC at frequencies between 2 and 150 kHz. The next PES meeting is in Portland after the Long Beach meeting, so this can be discussed further at the Long Beach SC 1 meeting.

5. SG coordination with EMCS TCs

The Chair, Don Heirman previously indicated that he would review commitments from other IEEE EMC Technical Committees to participate in SC 1 activities. Ed Hare also said that he could help with this.

6. Review of meeting action items

No further action items were added.

7. AOB

There were no topics brought up during any other business.

8. Next meeting

The next IEEE EMC Symposium will be held in Long Beach, CA from 30 July to 3 August 2018. It is planned that the SC 1 meeting be held on late Monday afternoon, 30 July, after the end of the tutorials/workshops. SC1 has organized another Smart Grid tutorial in Long Beach, which is planned for Monday afternoon.

9. Adjournment

Without any further business, the meeting was adjourned at 8:30 am.