

IEEE EMC Society TC 7
Technical committee on Low frequency EMC
Report from IEEE TC7 annual meeting
Washington, USA, 9th August, 2017

Meeting Location: IEEE EMCS Symposium in Washington DC;
Gaylord National Resort & Convention Center; Room Chesapeake L

1 ATTENDANCE

The following members were present at the meeting: Dave Thomas (Chair), Petre-Marian Nicolae (vice Chair), Flavia Grassi (secretary), Donald Heirman, Kingsley Mcrae, Ileana-Diana Nicolae, Dries Vanoost, Alex McEachern, Sebastian Koj, Abtin Spatman, Niek Moonen, Neal Moss, Reid Kress, Mark Riddle, Leonardo Sandrolini, Huadong Li.

07.00 AM opened by Dave Thomas (as Chair of TC 7).

The current TC7 officers were given as:

Chair:	Dave Thomas.
Vice Chair:	Petre-Marian Nicolae
Secretary:	Flavia Grassi

Officers will be re-elected in this meeting.

Dave will report to the TAC who the officers are.

2 Welcome and Introduction

The chairman Dave Thomas and all attendees introduced themselves and made a short description of the current activity.

3 Approval of the agenda

The agenda was accepted.

4 Reviewed Minutes of last meeting

Minutes approved with changes, tele-conference did not happen due to busy schedules.

5 Working procedures

No commercial issues are addressed.

6. Membership and officers

The new officers were elected and all officers unanimously elected by the attendees and were:

Chair:	Petre-Marian Nicolae
Vice Chair:	Sebastian Koj
Vice Chair and Secretary:	Flavia Grassi

7. Washington Activities (Reporting from TAC-meeting)

Follow up and update of TC 7 activity plan according to Minutes from last phone meeting in February 2017, The Chair presents the number of papers approved for IEEE EMC & SIPI 2017 in connection with each Committee (Technical and Special Committees).

- TC 7 has a total of 8 papers, 7 oral presentations and 1 poster papers in Washington with one special sessions (Thursday 10th August).
- A regular session shared with Spectrum Engineering Committee (TC 6) with 2 papers oral presentations from TC 7 (Wednesday 9th August).
- There was also a tutorial organized and sponsorship by TC 7 with 6 speakers on Monday 7th August.
- Overlap with SC 5 under review and update the Charter.

8. Report on issues in frequency range 2-150 kHz

Special problems related to the Frequency Range 2-150 kHz during TC7 meeting were presented by Alex McEachern.

9. Liaisons

- Working group to rewrite of Standard 1140-1994 (6 volunteers from TC 7: Petre-Marian Nicolae, Huadong Li, Leonardo Sandrolini, Abtin Spatman, Reid Kress, Mark Riddle)
- Liaison with IEEE Standards Coordinating Committee on Power Quality (SCC-22).
- Liaison with EMC Society's Standards.
- Working group to write a new Standard for 2-150 kHz range. Standards continued 2kHz to 150 kHz, there is a need for a measurement method for E/H field emissions from the cable, there are no limits. Petre and Alex will look into creating an IEEE standard (volunteers: Alex McEachern, Petre-Marian Nicolae, David Thomas, Abtin Spatman, Flavia Grassi).

10. Activity plan for TC7

- ③ Aim and Scope of TC 7:

The charter of TC 7, as published on the web page, was presented and discussed. Particular attention was paid to the definition of low frequency. In conclusion, was decided that the present wording of the charter of TC 7 was suitable for the aims and scope of TC 7, and should remain unchanged.

- ③ A special power electronics sub committee to be formed. We discussed about a merging with SC 5 to arrange a common TC.
- ③ Create a link with CIGRE (for a Special Session in EMC AP EMC - Singapore, 2018). TC 7 activity plans to coordinate with CIGRE with a special session in Singapore 2018.
- ③ Create a workshop (at least one) for Singapore 2018 and/or Long Beach 2018 and collaborate with SC5.
- ③ Create a special session in Long Beach 2018 with SC5 and SC1.
- ③ Ongoing activities to address strategic plan:

TC 7 members will be involved in most of the activities addressed by the Strategic Plan:

- provide products of value to EMC researchers and practitioners;
- global technology presence, visibility and excellence;
- engage young professionals in the EMC society;
- improve EMC membership development and retention;
- enhance community collaboration.

Some of them were already considered in the past years (e.g. the relation to sister societies or some other technical committees).

Short term activities will focus on:

- (a) co-opting young professionals to EMC chapters;
- (b) more efficient communication between the members of TC 7 and between them and members from other TC-s involved in different projects;
- (c) communication through social media, mainly for young professionals, in order to let them know the opportunities and advantages provided by the membership of EMC Society, etc.

More ideas are expected to appear in the upcoming meetings of TC 7 (web ex from September 2017, Singapore 2018 and Long Beach 2018). They will make possible the issuing of drafts for the TC Planning long term and Strategic Plan at the TC 7 level.

- ③ Agreed next meeting Singapore (May, 2018) and Long Beach (July-August, 2018) and a Web ex (29th of September, 2017).

11. Subcommittees

To generate more activity, some sub-committees were created (August 2015): 9.1. Low Frequency in Renewables, Power Systems and Smart Grid; 9.2. Low Frequency in Automotive, Electric Vehicles Railways, and Aircraft 9.3. Low Frequency in Energy Efficient Technologies, including Electrical Drives

12. Any other business

No other business was introduced for discussion.

13. Date and place of next meeting

Next meeting 29th September 2017 by WebEx

14. Close of meeting

09.00 closed by Chair Dave Thomas.