



**IEEE Electromagnetic Compatibility Society
Technical Committee 3: EM Environments Meeting**

Meeting Minutes

Place: 2019 EMC + SIPI Symposium, New Orleans

Date: Wednesday, 24 July 2019

Time: 7:30 – 9:00 CDT

Meeting Commence at 7:30 CDT

1. Attendance

Fred Heather (Chair)	heather@TQCI.net
Ross Myrehn (Vice Chair)	ross_myrehn@raytheon.com
Darren McCarthy	Darren.mccarthy@rsa.rohde-schwarz.com
Greg Hiltz	ghiltz@teksavvy.com
Ahalya Srikanth	Srikanth.ahalya@gmail.com
Jacob Dixon	Jacob.dixon@ibm.com
David Fugate	david.fugate@electric-research.com
Tom Fagan	Thomas.J.Fagan@aero.org
Billy Bilich	bill.m.bilich@navy.mil

Absent due to scheduling conflict with technical session:

Karen Burnham (Secretary) kburnham@ford.com

2. Agenda Reviewed and Approved

3. Minutes from 5 June meeting approved

4. Discussion of progress on TC3 recovery plan

5. Election of Officers:

- Fred Heather, Chair
- Ross Myrehn, Vice Chair
- Karen Burnham, Secretary

6. EME Database Working Group Activities – Greg Hiltz

- a. Discussion of where the input information for the database would come from, there are several government agencies that maintain selected databases of emitters, as well as some that have records, but no database. These emitters would have to be manually entered.

- b. Discussed the possibility of creating an interface where the TC3 database could use the existing databases and input them into the TC3 database.
- c. Billy Bilich has been working on creating the database using a Microsoft Access structure and the proposed database could build on that base. A demonstration of this database will be shown at the RF Database workshop on Friday afternoon.

7. Motion to create an RF Database Subcommittee – Approved

- a. Ahalya Srikanth and Jacob Dixon, nominated and approved to serve as co-chairs

8. Low Cost SDR Working Group Activities – Tom Fagan

- a. Low Cost SDR special session, Tuesday morning
- b. It could be desirable to add SDR measurements to the RF database as it begins to be populated

9. New Business

- a. Proposal: designate a “Measurement Day” in the fall to have multiple measurements made in locations all over the US and Canada (and any other locations that can participate), using a NOOELEC SMARTREE XTR SDR as the receiver (~\$30), and compile the results in one presentation
- b. Activities for 2020 EMC Symposium in Reno, NV
 - i. SDR Demonstration as part of Experiments and Demonstrations track
 - ii. Extended TC3 meeting in addition to the standard meeting, to demonstrate the status of the RF database and to demonstrate the progress that is being made in the development, and to report on the results of the “measurement day”
- c. Self-assessment of health of TC3, agree that since the action plan is being followed and renewed interest is being shown in the TC activities to date, the health of TC3 is strong.
- d. A plan was suggested to coordinate activities relating to the SDR activities and RF Database with TC6. A suggestion was made to send out a notice (via bag stuffer at 2020 Symposium) to EMCS to participate in the measurement day and as a result, possibly get a reduced rate on a bulk purchase of the SDRs (include discount coupons in the bag stuffing).
- e. Fred proposed to resurrect IEEE 473 as a committee project – will bring this up with Ed Hare

Meeting Adjourn at 9:00 am CDT

Action Items:

-2019-06-05-1 Fred Heather to contact Ahalya Srikanth, Tom Fagan, and Greg Hiltz to form nominating committee to create slate of officers for election at July meeting [Closed]

-2019-03-06-3 Fred Heather and Tom Fagan to work up charts for Introduction to Low Cost SDR's [Closed]



-2018-11-7-4 Anyone interested to join IEEE 473 standard work please email Greg Hiltz, Greg will forward those to Chad Kiger [Open]

-2019-07-24-1 Fred Heather to contact Ed Hare for IEEE 473 as committee project