



MEETING NOTES

TC1 EMC Management Meeting – 2023 EMC-SIPI Symposium Friday May 19, 2023, 11:00 a.m. CST (UTC-5)



Attendees: Tom Braxton, Keith Armstrong, Balaji Gollapalli, Davy Pissort, Randy Jost, Kimball Williams

MEETING NOTES

- Welcome to new and returning TC1 participants.
- 2023 Symposium
 - Workshops submissions
 - Symposium organizers have released the list of workshops and papers accepted for the 2023 symposium. Unfortunately the amateur radio workshop was not successful in getting an acceptance. Soft skills training, Basic EMC Skills training & EM Resilience submissions were accepted.
 - Not sure if C63 workshop submission by Dan hoolihan was approved
 - Paper submissions
 - While technical program schedule is yet to be released, historically TC1 does not have many paper submissions.
 - TC1 looks to enhance promoting work done by PhD programs such as ELISE, PETER & ETERNITY and programs on EM resilience during the conference through papers/technical programs.
- iNARTE accreditation status (Tom Braxton)
 - Update on responses to request for Information (RFI)
 - TC1 has submitted a list of qualifications, testing mechanisms etc., necessary for evaluating candidates for successful EMC certification to Board of Directors.
 - ACIL – American Council of Independent Laboratories which had raised concerns in the past regarding the disconnect between EMC society and Exemplar global has agreed to serve as a mediator between Exemplar Global & EMC Society. To that effect a meeting has been scheduled on 5th June 2023 to discuss a way going forward.
 - Moreover, Exemplar Global has informed about their intentions to have an industry based advisory council to seek recommendations about enhancing and adapting their current certification process to required level of standards.
 - Meanwhile, internally within the EMC society, the ad hoc committee under TC1 forges ahead with their work on developing proposals on the certification standards. To that effect, the committee intends to distribute the topics of the certification exam to all Technical committees. Every technical committee would have an opportunity to create questions and develop question pool.
- EMC Mid career training
 - Prototype Boards - Update demo at 2023 symposium
 - The team is currently preparing to deliver a demonstration of the prototype boards work in the 2023 symposium.
 - **ACTION:** Randy Jost intends to distribute the drafts of the presentation materials within the next 2-3 weeks to receive everyone's feedback and comments.
 - **ACTION:** Keith agreed to explore opportunities to carry a demonstration kit to the symposium.
 - Team discussed about a dream catcher product by keysight which is about \$2000 ballpark. More details here [ME1400 EMI and EMC | DreamCatcher | University Courseware](#)

- Update on India IEEE Organization tool
 - Randy Jost is currently reviewing the EMC testing/training software tool provided by India IEEE organization as a response to the RFIs.
 - Initial impressions on the tool was that it is unlike any other training material available in online e-learning platforms such as courseera, Edx etc.,
 - **ACTION:** Tom to send acknowledgements and status update to the companies that have responded to our RFI submission.
- IEEE EMC website update with available courses and trainings
 - This activity is currently put on hold while details about EMC society website maintenance and administration are being ironed out at the Society leadership level.
- Follow-up on new training ideas
 - Global University - Online/Hybrid Format
 - Logistics of this Global University program are still underway. It is not known at this point on whether these courses are recorded for later viewing purposes.
- TC1 support for the ELISE program
 - ELISE program is currently at project proposal stage. The competition call is scheduled for September 2023 and the results would be out on March 2024.
 - Davy pissot has expressed his intension to submit another proposal about monitoring the environment for EMC noise levels.
 - Many societies and groups such as NRAO, ARRL, Society of Great Britan, Society of Amateur Radio Astronomers have expressed their concern about the growing EMC noise floor and need for monitoring solutions.
 - Keith has expressed interest in proposing a special committee about communications & EM noise levels. The intension was not to supplant the activities currently performed in TC3 but to add/enhance the focus on this new topic of interest.
 - **Action:** Kim to develop and send initial proposal for the special committee to Randy and others for feedback and suggestions. This would eventually be submitted to EMC society board.
 - In addition, the team posited that inorder to attract more attention towards solving EM noise problem, quantifying financial losses incurred by companies and governments due to growing EM noise could be explored.
- 1848 for Railways standard development update
 - Update on 1848- MSSV (Machinery Sector Specific Version) Study Group
 - Davy pissot has planned a meeting dedicated to the IEEE 1848- MSSV group at the 2023 symposium/conference on Tuesday 8:00 AM – 9:00 AM.
 - Medical version of IEEE 1848
 - A meeting with MT 23 group was scheduled in May. Unfortunately the draft submitted by the group has not received enough votes. IEC and possibly IEEE could start a committee regarding this topic.
- Any Other updates
 - Keith expressed his intension to reserve a room for IEEE 1848 discussion on Wednesday 9:00 AM-11:00AM.
 - A proposal has been made whether to combine both Davy's and Keith's IEEE 1848 meetings.
 - **Action:** Keith and Davy to discuss and determine whether combining both IEEE 1848 meetings would be more beneficial.
- Review of action items

Action Items:

Owner	Action Item	Status
Kimball Williams	Recruit amateur radio volunteers for EMCS 2023 in Grand Rapids	Ongoing
Randy Jost	Develop outline for mid-career training TC1 to coordinate with EdComm	Open- awaiting acceptance of previous proposals
Sarah Seguin Tom Braxton	TC1 to contact GU team to look at updates and expanding and updating GU topics	Open
Tom Braxton	Bring question to BoD on dual track	Add a virtual component to Symposium; request BoD to poll members of EMCS. Open
Kimball Williams	Ask Keith Frazier from Ford about speaking on testing variability	Open
Dan Hoolihan	To contact Janet about an event/workshop, news, and updates on activities on C63.	Website has all info needed at www.c63.org
Tom Braxton	Work with Janet to publish available EMC courses/tutorials in EMC website cleared by TC1. As part of TC1's Mid-career training item.	Open
Tom Braxton	Ask Janet to update the website with the details about the newly elected VPs and other members	Open
Kimball Williams & Randy Jost	Develop the idea about soft skills/team building and send to Tom. This could potentially be valuable to a newly appointed manager who needs to make a cohesive team with the people assigned to him/her	Open – In progress
Tom Braxton	To receive a copy of spread sheet with dates, paper submissions and Technical Committees involved for 2023 Symposium.	Open – In progress
Karen Burnham	To check about the standards relevant to ham radio operators.	Open
Louann Mlekodaj	proto board development	In-Process
Tom Braxton & Kimball Williams	Work on angel support.	Open
Tom Braxton	Tom Braxton to work with the concerned team to identify right person to update EMC website with available courses and trainings	Open
Mark Stefka/ Tom Braxton	To find out whether these sessions are recorded and made available to the EMC society members later	Open
Randy Jost	To distribute the drafts of the prototype boards presentation materials within the next 2-3 weeks to receive everyone's feedback and comments.	Open
Keith	To explore opportunities to carry a demonstration kit to the 2023 symposium.	Open
Tom Braxton	To send acknowledgements and status update to the companies that have responded to our RFI submission.	Open

Kimball Williams	To develop and send initial proposal for the special committee to Randy and others for feedback and suggestions. This would eventually be submitted to EMC society board.	Open
Keith & Davy	Keith and Davy to discuss and determine whether combining both IEEE 1848 meetings at the 2023 Symposium would be more beneficial.	Open

Closed Action Items:

Owner	Action Item	Status
Dom	To share the new EU directive about no uncertainty to share it with the TC1 members	Closed
Doug Kramer Tom Braxton	Talk to Rachel Norrod regarding Podcast and EMC Society promotion	Closed
Tom Braxton	To talk to Vignesh about IEEE withdrawal from iNARTE MoU and ask for a public announcement about it.	Closed
Tom Braxton	TC1 to review existing letters and draft a letter for engineers to use to get approval for attendance	Closed
Tom Braxton	To talk to Sarah and John Lasselle to propose that TC1 being a clearing house/directory of the training material available in the public domain. Instead of creating a new training altogether.	Closed
Tom Braxton	To contact Karen Burnham about making a proposal on this topic.	Closed
Tom Braxton	To respond on the PAR submitted by Joe Cosgrave regarding IEEE 1848. Recommend if any changes needed.	Closed

- Adjourn