



**Accredited Standards Committee C63[®]
Electromagnetic Compatibility
Subcommittee 3 - International Standardization
Approved Meeting Minutes**

**Chair: Poul Andersen
Vice Chair: Werner Schaefer
Rotating Secretary: Jerry Ramie
November 12, 2013 @ UL Northbrook, IL**

1. **Call to Order:** Chair called the meeting to order at 2:00PM-CST
 - 1.1 **Opening remarks and Announcements: Chair**
 - 1.2 **Meeting logistics announcements: Host**
 - 1.3 **Introductions: Secretary** – Poul Andersen (Chairman), Jerry Ramie (Acting Secretary), Stephen Berger, Daria Biernat, Chris Dilay, Michael Duncanson, Adam Gouker, Beth Hackett, Ed Hare, Don Heirman, Dan Hoolihan, Tom Knipple, Brad Moore, Dheena Moongilan, Marcus Shellman, Jeffrey Silberberg, Dave Southworth, Steve Whitesell
2. **Approval of the Agenda: Secretary** – Agenda shown and approved
3. **Presentation of patent slides:** Secretary showed the slides. There were no comments.
4. **Presentation of meeting attendance fee slides:** Secretary showed the slides.
5. **Approval of minutes of previous meeting: Secretary** – Mr. Heirman moved, seconded by Mr. Whitesell, to approve the minutes. They were approved.
6. **Review of Subcommittee Membership: Chair**
 - 6.1 **Review of subcommittee membership** – members at risk: remove Klinger & Potts
 - 6.2 **Review of Working Group 1 membership** – members must participate to remain on the roster
 - 6.3 **Consideration of new members** - none
 - 6.4 **Selection of Secretary for Spring, 2014 meeting** – Mr. DeLisi to be contacted, otherwise the SC-1 chair assumes the duty. [Mr. DeLisi will serve as secretary for the Spring 2014 meeting.]
7. **Analysis Review and/or Establish Time Frame for Completion**

C63 [®] Document	SC	Subject	International Document	Review Leader
C63.4	SC1	Measurements	16.2.X, CISPR 32	Heirman
C63.5	SC1	Antenna Calibration	16.1.6	Camell
C63.15	SC5	Immunity	61000-4-X, CISPR 35, 16.1.6	Whitesell
C63.16	SC5	ESD	61000-4-2	Whitesell
C63.19	SC8	Measurement	IEC60118-13	Berger

Hearing Aid Compatibility				
C63.23	SC1	Emission Measurement Uncertainty	16.4.2	Delisi
C63.24	SC5	Generic On-Site Meas.	*	Berger
C63.25	SC1	Test Site Validation Antenna calibration site	16.1.4 16.1.5	Camell

*Emission equivalent is IEEE 473

Status of the above documents relative to international harmonization.

C63.4- Discuss after publication: Heirman – WG meeting last night went over balloter’s comments, closed mid-Sept, 4 negative, 20 approvals. Good agreement on adjustments to the text was achieved. A new PINS will be presented Thursday to the Main Committee. We expect a positive response.

C63.5- Discuss after publication: Camell – Mr. Heirman commented that the ballot for C63.5 closed earlier this week, it failed by one vote. The WG is now working on comment resolution. CISPR 16.1.6 discusses how to calibrate various antennas. C63.5 has uncertainty in the middle of the CISPR percentage range.

C63.15- Recommendation on action: Whitesell – no recommendations at this time.

C63.16- Discuss after publication: Whitesell – not published. Going to ballot in the Spring.

C63.19- Report on industry discussion: Berger – Hearing Aid Immunity Standard in IEC is nearing completion. Three Standards exist, C63, IEC, and the Australian Standards. ETSI is also writing a HAC standard for telephones. Can we co-publish with them? (They reference C63.19 in their text) C63 has brought ETSI and IEC together, a good idea for this subject area. Stephen has held the Chair of this working group for 19 years!

C63.23- Recommendation on Uncertainty action: DeLisi – Mr. Heirman reported that we can submit this to the US-TAG for SC-A and submit a paper suggesting what to add to Type A evaluations. Five years of recalibrations will give you enough data to calculate uncertainty, with time savings as a benefit. The C63.23 spreadsheet is included with purchase of the Standard. It is ready for submittal of information to the Main Committee for negotiation with CISPR-A TAG. (CISPR 16.4.2) This matter is closed for SC3.

C63.24- Discuss after publication: Berger – needs another few months. (Generic on-site immunity)

C63.25- Discuss after publication: Camell – Mr. Heirman discussed time domain validation for site attenuation, which is probably one year away. All site requirements should be in this document.

Mr. Whitesell brought up C63.9 for office equipment. (telephones) Mr. Heirman suggested we approach TC77B. We have a TAG for TC77B, this is a special application. (product specific) The other alternative is CISPR 35 (multimedia), which references the IEC 61000 series. There are a couple of routes to get this content ported.

C63.27 on co-existence was discussed. Mr. Silberberg noted that IEC 62657-2 on coexistence management (SC-65C) did not involve testing. Document to be added to the tracking list.

8. **International Standards relating to ASC C63[®] membership standards development that need SC3 analysis: Chair - none**
9. **Other Old Business and discussions**
- 9.1 **Issues from IEC (including CISPR), ISO and other international standards activity potentially affecting US standards development: Chair**
- 9.2 **Smart Grid:** Heirman noted that SGIP is now a private corporation. One of the working groups, EMII, has published a white paper. It covers immunity tests and levels with differing environments. It also covers EMC tests in substations. We may want to add to this document as it is opening for changes. **AI-1:** Heirman to write a note discussing our possible involvement.
- 9.3 **Report from WG1 on C63.12 – WG1 meeting by WebEx and this morning face to face.** We have another WebEx meeting in 2 weeks. We're looking for more volunteers; let the Chair know if you have interest. One issue is listing papers on EM environment that are recent. We are looking for more documents to include.
AI-2: Chair to copy the bibliography of the most recent draft and distribute to the main committee membership asking for any new updates they may be aware of.
10. **New Business: Chair –** Mr. Hoolihan asked if anyone had familiarity with wireless charging of EVs. SC-B of CISPR is discussing this. Mr. Andersen noted that SAE-J2954 is now discussing appropriate frequencies for charging. COMAR has just published a health effects statement on "smart grid." The SAE effort also includes human exposure.
11. **C63.org website use and updates: Web Content Manager (Jerry Ramie)**
12. **Review of the action items from previous meetings: Secretary**
12.1. All included in the agenda
13. **Time and place of next meeting: Chair - Cedar Park, TX on April 28-May2.**
14. **Closing remarks and Adjournment: Chair –** the meeting was adjourned at 3:10PM-CST

End of Meeting

Consolidated Action Items from 11/12/13 Meeting

AI #	Task	Responsible party	Due Date
AI-1:	Heirman to write a note discussing our possible involvement.	Don Heirman	Next meeting
AI-2:	Chair to copy the bibliography of the most recent draft and distribute to the membership asking for any new updates they may be aware of	Poul Andersen	CLOSED