

C63®

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**Accredited Standards Committee C63®
Electromagnetic Compatibility**

Accredited by the American National Standards Institute, Inc.
Secretariat: Institute of Electrical and Electronics Engineers, Inc.

NEWSLETTER

Issue # 24: December 2007

Warren Kesselman, Editor

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MESSAGE FROM THE CHAIR:

- “C63” is now a registered trademark!

We have been informed that the use of “C63” is now registered with the US Patent and Trademark Office under Reg. No. 3,331,704 dated 6 November 2007. A registered

trademark identifies the source of particular goods or services. In this case “C63”, as we registered it in international class 42, identifies that our committee develops international electromagnetic standards under the “C63” name. This also prevents other entities from using the “C63” name in conjunction with the development of such standards. You will see the style of the trademark on the home page of our web site www.c63.org. So when you use “C63” in any official communications, please follow the “3” with the circle ®. We are also discussing with the IEEE to see how we can add the trademark to the cover of our C63® standards. When this happens, nobody can print any electromagnetic or EMC standard with “C63” on it unless we approve it.

- **Shannon Archambeault is new Web Master**

Effective at the end of October, Shannon Archambeault took over from John Lichtig as our web site web master. Shannon is professionally involved in web work and in fact is the web master for one of our member’s—the IEEE EMC Society—where we heard of her availability. So the feedback on our web site will address email traffic to her instead of John. Her immediate task is to get the web site updated and she is working with the subcommittee chairs in making that happen. Finally, we want to thank John for designing our web site and getting it initially populated with key information on our organization.

- **2008 meeting schedule is on the web site**

Please log onto our web site and go to the “C63® main committee” page. Then mouse-over “Upcoming meeting schedule & logistics” for the April 2008 meeting timetable at the IEEE headquarters in Piscataway, NJ, and the tentative scheduling for the October 2008 meeting at UL in Northbrook, ILL.

- **Welcome new ASC C63® members**

In the past year we have added four more organizational members to our ASC C63® roster:

Polycom
 Samsung
 TCB Council
 RIM (Research in Motion)

We welcome them to our committee which now has over two dozen organization members in addition to individual members and emeritus members. We also note that Bob Hofmann is now an emeritus member of the committee.

Don Heirman, Chair

APRIL 2008 MEETING SERIES

The next ANSI ASC C63® meeting series is scheduled to be held in April 2008 in Piscataway, NJ

Details are on C63®’s website www.c63.org . (See Chair’s Message above for accessing the schedule.)

Subcommittee 1 – Techniques and Development

Mike Windler Chair

PROJECT STATUS SUMMARY

Project 1-1.1 C63.15 Immunity Measurements and Instrumentation

Project leader: Mike Windler

Current Status:

- *Completed in SC1, moved to C63 parent committee
- * Ballot Passed with 14 approve, no negatives and some editorial comments
- *Ready for IEEE review and publication

Project 1-8.3 C63.2 to Include CISPR 16-1-1

Project leader: Mike Windler

Current Status:

- *Completed in SC1; moved to C63 parent committee
- *Passed ballot with 14 approve, 1 negative and some editorial comments. Mike Windler provided revisions to the parent committee Chair to address the editorial comments. If agreed to by the Chair, the document is ready for IEEE review and publication

Project 1-10.1 C63.10 Standard for Testing Unlicensed Wireless Devices

Project leader: Art Wall

Current Status: The First edition (>120 pages) is being edited by Windler and DeLisi. They expect to provide a draft for electronic balloting by the December 2007 target date.

Project 1-13.2 C63.4 Site Acceptability Above 1 GHz

Project leader: Mike Windler

Current Status: New Pins proposed for a new standard for site requirements to include:

- *Existing NSA and volumetric NSA
- * New SVSWR and proposed TDR
- *Future for other environments
- *Future for below 30 MHz

Project 1-15.5 C63.23 Measurement Uncertainty

Project leader: Bob DeLisi

Current Status:

- *Target Completion Date for Committee Vote: December 2007
- * New draft to include:
 - Focus on ANSI C63TM emissions testing
 - Product and site evaluations.
 - Removed immunity testing until future date
 - Removed Harmonics / Flicker

Project 1-15.6 C63.5 Antenna Calibration

Project leader: Dennis Camell

Target Completion Date for Committee Vote: April 08

Current Status:

- *Draft changes being made for editorial changes

*Verification measurements scheduled (Verify VCCI suggestions, Other technical areas)

Project 1-15.9 Maintenance of Revision to C63.4

Project leader: Stephen Berger

Target Completion Date for Committee Vote: December 2007

Current Status: Draft revisions completed and provided to parent committee

Project 1-15.10 C63.2 and C63.4 Use of Spectrum Analyzers for Emissions Testing

Project leader: Werner Schaefer

Current Status: The text has been added to the revision of C63.4 draft provided to the main committee.

Future C63.4 Project (PINS pending)

- *Removal of Site requirements
- *Extending GTEM above 1 GHz
- *References to C63.10 (delete Clause 13 and annex)
- *Removal of step by step emission procedures (annexes)

New Members

Nate Pots – Liberty Labs
Doug Parker – Liberty Labs
Masud Attayi - RIM

Subcommittee 2 – E3 Terms and Definitions

Dave Southworth, Chair

The ANSI C63.14 update is nearly complete with terms coming from selected military standards and ANSI C63 standards that have been published since the last publication of this important standard. The US Department of Defense uses C63.14 as their terminology guidance which is referenced in their equipment and system EMC standards, MIL-STD-461E and MIL-STD-464A respectively. Industry has found this a key reference for the electromagnetic compatibility community. Publication of the updated standard is anticipated in 2008.

Subcommittee 3 – International Standardization

John Lichtig, Chair

ANSI ASC C63® Subcommittee 3 has been restructured in order to facilitate a formal process to communicate (meet) with the US national committee (USNC) technical advisory groups (TAGs) of the CISPR and TC77 IEC committees via the technical advisors (TAs). The purpose of this communication channel is for “harmonizing” approaches to US positions and to jointly work in technical areas in order that the work of C63® is not in conflict with that of the TAGs, or vice versa. As a result of the restructuring the scope and membership criteria have been revised. Please visit www.c63.org/documents/sc_3/sc_3.htm to view the new Scope, Membership Criteria, Main Activities, and General Tasks.

The term for the chairman of SC3, John Lichtig, came to closure. During the October meeting, Mr. Poul Andersen, vice-chairman of SC3, was unanimously voted in as the new chairman of SC3. Please welcome Mr. Andersen to his new position. That change leaves the vice-chair position vacant; the SC is actively seeking a person to fill the void.

Subcommittee 5 - Immunity Testing and Measurements

Ed Hare, Chair

Subcommittee 5, Immunity, met on Wednesday, October 24, 2007, chaired by Ed Hare, with Joe Morrissey as secretary.

WG1 Chairman Steve Berger reported that the draft of C63.9 (office equipment immunity) failed at ballot, with 8 affirmative, 7 negative votes and 7 abstentions. A resolution of comments was expeditiously completed and a request to the C63® Secretary to initiate a recirculation ballot was made on October 11, 2007. The changes made to the document in preparation for the recirculation ballot were primarily editorial, but changes were made to harmonize the test-setup calibration with the method in IEC 61000-4-3. Work on this standard has proceeded at good rate and its release is expected in 2008.

The draft on C63.24 (ad hoc immunity testing) is still on hold pending the completion of C63.18 (ad hoc immunity testing of medical devices). Subcommittee 8 reports that the draft is essentially complete, but going through one last round of revisions based on comments received from one of the C63.18 working group members. It is expected to go to ballot later in 2007. Once C63.18 is sent to ballot, that standard will serve as the template to complete the draft of

C63.24. The work on the completion of C63.24 will occur during 2008.

Ed Hare formed a new working group, WG3, to monitor developments in international standards to see which may affect SC5 work.

Information about Subcommittee 5 can be found on the C63 page at <http://www.c63.org>. People who would like to participate in this work should contact Ed Hare, the subcommittee Chair at ehare@arrl.org.

Subcommittee 6 – Laboratory Accreditation

Kurt B. Fischer, Chair

SC-6 Lab Accreditation Meeting – Wednesday – October 24th

The meeting was chaired by Dan Hoolihan, the past chair of SC-6, because Kurt Fischer was in Australia on NIST business and unable to make the meeting. Victor Kuczynski took minutes as the new secretary of SC-6.

Reports were given by Bill Hurst from the FCC on CAB and TCB issues and Don Heirman on NACLA. The presentation from Bill covered Mutual Recognition Agreements with various countries and economic cooperation areas as well as Telecommunication Certification Bodies. Approximately 95% of all FCC product certifications are being done by TCBs and the total yearly total of product certifications is approaching 9000. Don Heirman's presentation covered the latest National Cooperation for Laboratory Accreditation activities; NACLA is regrouping and reorganizing and expanding their services.

The checklist on Basic IEC Immunity tests (IEC 61000-4-x) is being recommended for publication to the main committee. The PINS for this effort was published in the ANSI Standards Action last April and no comments have been received from the public.

No reports were received from NVLAP or A2LA on the status of their accreditation of EMC la

Subcommittee 7 Unlicensed Personal Communications Services Devices

Stephen Berger, Chair

No current activity

Subcommittee 8 – EMC and Medical Devices

Joseph Morrissey, Chair

The SC8 meeting was very busy, with almost 70% of members attending plus 6 visitors. Of note, a PINS was approved at both the subcommittee and main committee level which will allow us to be responsive to FCC requests to pursue hearing aid compatibility for emerging 700 MHz and other technologies as a subsequent revision to ANSI C63.19. Progress was also made on the ad hoc medical testing standard ANSI C63.18 which is currently in revision and close to ballot. Several interesting presentations were provided outlining current research, with a notable presentation and discussion by Tom Victorian of Starkey and Gert Ravn and Allay Keistensen of Delta labs showing that hearing aid immunity has dramatically improved over the past several years. Subcommittee 8 looks forward to continued rapid progress and more data to be presented at the next meeting in April in Piscataway.

STANDARDS STATUS MATRIX

The current status of all active ANSI ASC C63® Standards Projects may be found on C63®'s web page www.c63.org. Click on "C63 Main Committee" and then on "Standards Status Matrix".

WISHING ALL A HAPPY AND PROSPEROUS NEW YEAR!

ANSI ASC C63® 2008 OFFICERS' DIRECTORY

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ANSI ASC C63®, ELECTROMAGNETIC COMPATIBILITY, NEWSLETTER is published approximately forty-five days after Committee meetings and is available on the web site www.c63.org. That site also contains much information about ANSI ASC C63® and its subcommittees.

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