



ASC C63[®] SC5: Immunity Testing and Measurements
Approved Minutes for Tuesday, November 12, 2013
UL LLC, 333 Pfingsten Rd, Northbrook, IL 60062

Call to Order and Attendance

Chair Steve Whitesell called the meeting to order at 3:00 pm CST and circulated an attendance sheet for sign in. A quorum was present with 11 of 16 members in attendance.

The following SC5 members were present:

Steve Whitesell (Chair)
Ed Hare (Vice Chair)
Jerry Ramie (Secretary)
Poul Andersen
Masud Attayi
Stephen Berger

Don Heirman
Dan Hoolihan
Rick Lombardi
David Schaefer
Jeff Silberberg

The following SC5 members were not present:

Andy Griffin
Bob Hofmann
Victor Kuczynski

Werner Schaefer
Dave Zimmerman

The following observers were also in attendance:

Daria Biernat
Adam Gouker
Beth Hackett

Tom Knipple
Dheena Moongilan
Brad Moore

Opening Business

The Chair reviewed the draft agenda and asked if there were any additions or changes. Since there were no changes, the Chair asked if there was any objection to approving the agenda as presented. There was no objection, so the agenda was approved.

The Chair displayed and reviewed the IEEE Patent related slides and other guidelines for the conduct of meetings. He asked if there was anyone aware of essential patents that should be made known. No one spoke up. He also asked if everyone understood the content of the slides. There were no requests for further explanation.

The Chair presented the fee schedule for participation in C63[®] standards work and reminded all in attendance of the need to pay their participation fees.

The Chair reviewed the draft minutes from the previous meeting and asked if there were any additions or corrections. Dan Hoolihan moved to approve the minutes as presented. Don Heirman seconded, and the motion was unanimously approved by voice vote.

Working Group Reports

C63.9 (Immunity of Audio Office Equipment) – Stephen Berger, WG Chair

This document was submitted for a reaffirmation ballot that closed on June 21, 2013. The ballot passed, but there was 1 disapproval and 1 approval with comments. Mr. Berger pointed out changes cannot be made to a document to resolve comments when it is a reaffirmation ballot. However, such comments can be retained and integrated into a subsequent revision of the document if so desired. Mr. Berger moved to recommend that the comments be rejected and that the reaffirmation move ahead. There was unanimous agreement. Mr. Berger will inform the commenters of this decision and invite them to submit a new PINS proposal if they would like to see the document revised.

C63.15 (Immunity of Electrical and Electronic Equipment) – Don Heirman, former WG Chair

This Recommended Practice was inherited from SC1 after being published in 2010. There is currently no active work, but the document will come up for its five-year review in 2015.

C63.16 (ESD Testing Guide) – Steve Whitesell, WG Chair

Steve Whitesell took over as Chair of the Working Group after Richard Worley reported to the May meeting that he was not able to continue in that position. The WG has been having web conferences every two to three weeks and is making good progress, including the addition of several unique test methods. It is hoped the document will be ready for ballot consideration following the Spring 2014 meeting. Mr. Silberberg indicated his desire to participate in the WG and will be added to the WebEx invitation list by Mr. Ramie.

C63.24 (In Situ Immunity Evaluation) – Stephen Berger, WG Chair

Dave Schaefer has provided input on several changes needed to the text of the draft document and has agreed to serve as Vice-Chair of the WG. His input will be reviewed by the WG and the text modified as appropriate. It is expected that it will take 6-12 months before the document will be ready for ballot consideration.

Other Old Business

Immunity Standards Applicable to Smart Grid – Don Heirman, Ad Hoc Task Group Chair

A draft report on the applicability of C63 immunity and emissions standards to Smart Grid equipment is to be prepared and submitted to the NIST SGIP SGTCC for consideration of additions to its Catalogue of Standards. All four SC5 documents discussed under Working Group Reports are to be included. Mr. Heirman moved to inform the Smart Grid people by sending a report to their EMII working group. Dan Hoolihan seconded the motion and it was carried by voice vote. The draft report will be circulated to SC5 for review.

Immunity Testing Issues in ANSI C12.1 – Jerry Ramie, Ad Hoc Task Group Chair

Issues with immunity testing in C12.1 were summarized and forwarded to the C12.1 writing group and to the SGIP EMII working group. Mr. Heirman reported that the EMII working group white paper, which had been taken off their web site, has been reposted and is now available. Mr. Ramie is to revise the text of an EMC Magazine article he has prepared to reflect the availability of the report.

Review of Immunity Limits in C63.12 – Poul Andersen, SC3 Chair

SC3 Chair Poul Andersen has requested SC5's help in reviewing the immunity limits table in C63.12 and in suggesting any new immunity test procedures that should be added to that document.

New Business

Criteria for Continuation of Membership

The Chair indicated he had contacted all subcommittee members who had missed three or more consecutive meetings to determine their interest in continued SC5 membership. SC5 does not have formal criteria for continuation of membership but missing three consecutive meetings has been used informally. Mr. Whitesell stated he felt simply paying dues should not be sufficient to maintain membership at the subcommittee level. Mr. Berger felt that all subcommittees should have the same policy and that it should not allow someone to come in late in the development of a document and derail the project. Mr. Whitesell agreed about the need for consistency and indicated he would raise this issue with the Steering Committee and the Main Committee.

Leadership Terms

Mr. Whitesell was elected three years ago in the spring meeting as SC5 chair and took over the role in the fall meeting. There appears to be a question about whether calendar years, fiscal years, or meeting dates should be used for determination of when a term ends and a new election is needed.

C63 Web Site Update

Jerry Ramie has taken over responsibility for maintaining the C63 web site.

Action Item Review

Old Items

All action items from the previous meeting have been completed except for the following:

1. Steve Berger and Dave Schaefer to review Schaefer's suggestions for C63.24 document, revise draft, and circulate for two-week electronic Subcommittee ballot when ready.
2. SC5 members to review and provide input on the immunity limits table and possible additional immunity tests to be included in SC3's revision of C63.12.

New Items

1. Steve Berger to inform balloter (Griffin for Cisco) that comments on C63.9 reaffirmation ballot cannot be accepted but that a proposal for a new PINS to revise the document may be submitted if desired.
2. Jerry Ramie to add Jeff Silberberg to C63.16 WG WebEx invitation list.
3. Jerry Ramie to re-write text for EMC Magazine article reflecting availability of report on issues with C12.1 being restored to EMII WG website prior to submitting it for publication.

Next Meeting and Adjournment

The next meeting will be hosted by ETS-Lindgren in Cedar Park (Austin), TX and is scheduled for Tuesday, April 29, 2014 at 3:00 pm CDT.

The meeting was adjourned at 4:25 pm.