



ASC C63® SC3: International Standardization
Approved Minutes for Tuesday, November 10, 2015
UL LLC, 12 Laboratory Drive, Research Triangle Park, NC 27709-3995

Call to Order and Attendance

Chair Poul Andersen called the meeting to order at 2:05 pm. An attendance sheet was circulated for sign in. A quorum was present with 8 of 15 voting members in attendance. There were also 2 non-voting members and 5 observers present.

The following SC3 voting members were present:

Poul Andersen (Chair)	Ed Hare
Steve Whitesell (Rotating Secretary)	Don Heirman
Chris Dilay	Dan Hoolihan
Andy Griffin (via WebEx)	Randy Long

The following SC3 voting members were not present:

Stephen Berger	Nate Potts
Zhong Chen	Werner Schaefer (Vice Chair)
Bob DeLisi	Victor Kuczynski
Bill Hurst	

The following SC3 non-voting members were present:

Dave Arnett (via WebEx)	Craig Fanning (via WebEx)
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The following observers were also in attendance:

Masud Attayi	Jeff Silberberg
Brad Moore	Tomasz Wojtaszek
Jerry Ramie	

Opening Business

The Chair reviewed the draft agenda and asked if there were any additions or changes. There were none. Ed Hare moved and Don Heirman seconded that the agenda be approved. There was consensus.

The Chair displayed and reviewed the Patent related slides and asked if there was anyone aware of essential patents that should be made known. No one spoke up.

The Chair reviewed the draft minutes from the previous meeting and asked if there were any additions or corrections. There were none. Dan Hoolihan moved and Ed Hare seconded that the minutes be approved. There was consensus.

Review of Subcommittee Membership

The Chair noted that participation requirements concerning continuation of membership are included on the SC3 public main page. A review of the membership found no members that are currently at risk. There were no applications for new members.

The Chair announced the rotating secretary for the Spring 2016 meeting will be SC6 Chair Randy Long.

Mr. Andersen noted that he has reached the end of his second term as Chair and that term limits dictated a new Chair be elected. However, no candidates came forward either prior to or during the meeting. The need to fill the position will be announced at the Main Committee meeting.

Status of C63[®] Documents Relative to International Harmonization

The following table provides a list of C63 documents to be reviewed for harmonization with relevant international documents.

C63[®] Document	SC	Subject	International Document	Review Leader (WG Chair)
C63.4	SC1	Measurements	CISPR 16-2-X, CISPR 32	Heirman
C63.5	SC1	Antenna Calibration	CISPR 16-1-6	DeLisi
C63.9	SC5	Office Equipment Immunity		Griffin
C63.15	SC5	Immunity	IEC 61000-4-X, CISPR 35, CISPR 16-1-6	Heirman
C63.16	SC5	ESD	IEC 61000-4-2	Whitesell
C63.23	SC 1	Measurement Uncertainty	CISPR 16-4-2	Heirman/DeLisi
C63.24	SC5	Generic On-Site Meas.	*	Heirman
C63.25	SC1	Test Site Validation Antenna calibration site	CISPR 16-1-4 CISPR 16-1-5	Sigouin
C63.26	SC1	Licensed Transmitters		Wall
C63.27	SC7	Co-existence	IEC 62657-2	Berger
C63.28	SC2	Best Practices		Dilay

***Emission equivalent is IEEE 473**

The status of the above documents is as follows:

- C63.4** This document was published in 2014, and CISPR 32 has also been published. There are several differences. The documents are probably too dissimilar to have them align. C63.4 was the original input to CISPR 22, but the documents have since diverged. Don Heirman agreed to pursue whether there are things in one document that it would be advantageous to include in the other. Dan Hoolihan indicated that one issue is the matter of what to put on a display screen for making measurements. There is a movement away from scrolling Hs to color bars. Don Heirman noted that there are 5 possibilities identified in CISPR 22.
- C63.5** Discuss after publication – DeLisi. Note was taken that CISPR 16-1-6 has been published and may be similar to what will be included in C63.5.
- C63.9** Discuss after publication – Griffin.
- C63.15** Discuss after publication – Heirman.
- C63.16** Discuss after publication – Whitesell. Note was made that C63.16 is about to be submitted for publication. It includes a number of test procedures, such as placing a charged laptop onto a grounded docking station or inserting a charged USB device into a grounded laptop, that are not covered in IEC 61000-4-2.
- C63.23** New addition to table at this meeting – Heirman/DeLisi. Note was taken that C63.23 is based on taking data (repeat measurements) to determine uncertainty whereas CISPR 16-4-2 is based on calculations associated with combining the uncertainties of various components in the measurement chain.

C63.24 Discuss after publication – Heirman. Don Heirman has taken over the lead on C63.24 and is working on it as a joint project with the EMC Society.

C63.25 Discuss after publication – Sigouin.

C63.26 Discuss after publication – Wall.

C63.27 Discuss after publication – Berger.

C63.28 Discuss after publication – Dilay.

Other Business and Discussions

Don Heirman announced that a nominal one-hour seminar on CISPR activity is available. He will provide the URL and will try to get permission for Poul to review.

WG1 Chair Poul Anderson reported that the IEEE edited version of C63.12 was received in October 30. It was reviewed in a WG meeting in the morning prior to the SC 3 meeting. Several changes were identified that need to be made, but they all fit on one page. This information will be provided back to the IEEE editors. Publication is anticipated for mid-December if all goes well. The WG will disband after publication.

New Business

The only new business is the need to update the status of WG1 on the web site.

Action Item Review

There were no open action items from the previous meeting.

The new action items from this meeting are as follows;

1. Poul Andersen to raise issue about having reached the term limit as SC 3 chair in the Main Committee meeting.
2. Don Heirman to pursue whether there are things in C63.4 that it would be advantageous to include in CISPR 32 and vice-versa. The question of what to display on a video screen when making measurements is of particular interest.
3. Don Heirman to provide URL for seminar on CISPR activity and try to get permission for Poul to review.
4. WG1 Chair Poul Andersen to provide needed changes resulting from review of IEEE edited C63.12 document back to IEEE editors.
5. Poul Andersen to provide Jerry Ramie with information for updating status (disbanding) of WG1 on web site when time is appropriate.

Next Meeting and Adjournment

The next C63 meeting will be May 9-12, 2016 at IEEE Headquarters in Piscataway, NJ. The SC3 meeting is expected to be on Tuesday, May 10.

Don Heirman requested a round of applause for the leadership Poul has provided for SC3. The meeting was then adjourned at 2:47 pm.