

**ASC C63[®] SC3: International Standardization
Approved Minutes for Tuesday, April 17, 2012
IEEE Headquarters, Piscataway, NJ**

Call to Order and Attendance

Chair Poul Andersen called the meeting to order at 3:33 pm and announced that SC5 Chair Steve Whitesell would be serving as the rotating secretary for this meeting. He circulated an attendance sheet for sign in. A quorum was present with 8 of 14 voting members in attendance.

The following SC3 members were present:

Poul Andersen (Chair)	Dan Hoolihan
Werner Schaefer (Vice Chair)	Marcus Shellman
Steve Whitesell (Meeting Secretary)	Ralph Showers
Ed Hare	Andy Griffin (non voting)
Don Heirman	

The following SC3 members were not present:

Stephen Berger	Nate Potts
Dennis Camell	Dave Arnet (non voting)
Bob DeLisi	Craig Fanning (non voting)
Bill Hurst	H. R. Hofmann (non voting)
Victor Kuczynski	Terry Mahn (non voting)

The following observers were also in attendance:

Chris Dilay	Jerry Ramie
Michael Duncanson	Dan Sigouin
Harry Hodes	Dave Southworth
Tom Knipple	

Opening Business

The Chair reviewed the draft agenda and asked if there were any additions or changes. There were none, and the agenda was adopted as presented.

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 fee schedule for participation in C63[®] standards work was presented and a reminder made that all in attendance need to ensure their participation fees are paid.

The Chair reviewed the draft minutes from the previous meeting and asked if there were any additions or corrections. It was noted that the location of the meeting should be Lincroft (not Linton), NJ. Ed Hare moved to approve the minutes as corrected. Don Heirman seconded, and the motion was unanimously approved.

Review of Membership and Leadership

The Chair reviewed the existing SC3 membership list and noted the following changes: Poul Andersen is the CISPR-D DTA and Craig Fanning of Elite Engineering is the TA. Steve Whitesell was approved for SC3 membership as the new SC5 Chair at the October 2011 meeting. His name should be included on the membership list.

There were no new applications for SC3 membership. Don Heirman moved the membership list as modified (see Appendix A) be submitted to the main committee for approval. Dan Hoolihan seconded. The motion passed unanimously.

Poul noted that SC6 Chair Victor Kuczynski would be serving as the rotating secretary for the next meeting.

Review of Documents for Harmonization

The Chair presented the following table of C63 documents and the corresponding international documents for harmonization consideration. A review leader is identified for each document.

C63[®] Document	SC	Subject	International Document	Review Leader
C63.4	SC1	Measurements	16.2.X	Heirman
C63.5	SC1	Antenna Calibration	16.1.6	Camell
C63.15	SC5	Immunity	61000-4-3	Hare
C63.16	SC5	ESD	61000-4-2	Heirman
C63.18	SC8	Medical Equip On-Site	*	Silberberg
C63.19	SC8	Measurement Hearing Aid Compatibility	IEC60118-13	Berger
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

*Emissions equivalent is IEEE 473

The Chair noted the following C63 documents are in the process of development or revision and will be considered for international harmonization once they have been published: C63.4, C63.5, C63.16, C63.23, C63.24, and C63.25.

Ed Hare is shown in the above list as review leader for C63.15. Since Steve Whitesell is now the Chair of SC5, this responsibility falls to him, and he will be identified as the review leader going forward. Although the corresponding international document listed is IEC 61000-4-3, a project should be undertaken to compare C63.15 with other IEC documents in the 61000-4-X series (particularly X= 2 and 6). Jerry Ramie agreed to help in this effort.

Jeff Silberberg reported that C63.18 is in the final stages of editing and should be available soon. However, the document is very specific to on-site evaluation of medical equipment immunity and has no international equivalent. Dan Hoolihan indicated he will be talking about C63.18 at a conference in Rome later this year. We will wait to see if that stirs any international interest.

Stephen Berger was not present to discuss C63.19 because he was chairing a parallel meeting of SC7. However, Don Heirman noted that IEC 60118-13 has an additional action item to show the relationship between TEM cell and small antenna measurements.

Issues from the International Community that affect C63 Standards

Don Heirman reported that CISPR 32 is a new standard that raises issues about the use of the scrolling H pattern for testing displays. This pattern was originally developed for testing computer monitors and will now be applied to testing dimensionally large multi-media terminals in addition to the standard color bar display normally used for testing TVs.

There is an emerging issue related to the United Nations Economic Commission for Europe (UNECE) Vehicle Regulation 10 concerning EMC. Poul Andersen explained that there are two methods for

charging electric vehicles. SAE Standard J1772 addresses the conventional method of conductive charging. A new SAE standard is being developed to cover a charging method where the vehicle will be parked over a floor mounted inductive charger. Discussions involve the selection of appropriate frequencies in range 20 to 140 KHz, with 42-49 and 64-68 kHz looking like the best alternatives from viewpoint of efficiency and avoiding interference. These inductive charging fields will probably exceed current emission requirements at 3 and 10 meters. Those working on the standard may have to pursue creating a new ISM band in the VLF frequency band. They are also looking at possible health issues. In addition to the charging field, a separate communication link will need to be considered.

Andy Griffin and Don Heirman discussed a CISPR/1220/Q questionnaire on whether it is possible to adopt a consistent set of international definitions for Class A and Class B devices. The U.S. is not in favor of the current proposal.

Don Heirman reiterated a point he had made in the last meeting that we should provide a link on the C63 web site to the URL for accessing Head of Delegation (HoD) reports following international standards meetings. The URL was provided in the previous meeting report and is repeated below:

http://www.ansi.org/search_results.aspx?menuid=search_results&cx=007823713456269561629:ufdyk3moz48&cof=FORID:11&q=head+of+delegation+report&sa=Search#1326

Other Old Business

There was no additional old business.

New Business

A question has been raised with UL by Mexico about harmonizing C63.10 with Canada and Mexico. Dan Sigouin confirmed that C63.10 is being considered for adoption in Canada. Poul will check with Bob DeLisi about whether UL has heard anything further from Mexico on this.

C63 Web Site Update

Mr. Hare indicated he is working on getting all minutes posted in appropriate places on the web site and will be updating the membership list once it is approved by the parent committee.

Action Items

1. The Chair will submit the membership list as shown in Appendix A for approval by the parent C63 committee on Thursday.
2. Steve Whitesell will assume the review leader role for C63.15 and, with the help of Jerry Ramie, undertake a project to compare it to standards in the IEC 61000-4-X series regarding harmonization opportunities.
3. Dan Hoolihan will report on whether his discussion of C63.18 at a conference in Rome later this year engenders any interest in the international community for adopting the document or developing a similar document.
4. Stephen Berger is to follow up on harmonization possibilities between C63.19 and IEC 60118-13, particularly as regards the relationship between TEM cell and small antenna measurements.
5. Ed Hare will post a link on the SC3 web page to the URL for obtaining international meeting Head of Delegation reports.
6. Poul Andersen will follow up with Bob DeLisi about whether UL has heard anything further from Mexico regarding harmonization with the C63.10 standard.

Next Meeting and Adjournment

The next meeting will be held in Orange County, CA in October 2012.
The meeting was adjourned at 4:38 pm.

Appendix A
Membership List Submitted to ASC C63[®] for Approval

Voting Members:

Poul Andersen, Chair
Werner Schaefer, Vice Chair
Stephen Berger
Dennis Camell
Bob DeLisi
Ed Hare
Don Heirman
Dan Hoolihan
Bill Hurst
Victor Kuczynski
Nate Potts
Marcus Shellman
Ralph Showers
Steve Whitesell

Non-Voting Members:

Dave Arnett
Craig Fanning
Andy Griffin
H. R. Hofmann
Terry Mahn