

ANSI Accredited Standards Committee C63®
Electromagnetic Compatibility

Subcommittee 3 – International Standardization

Approved Meeting Minutes

Tuesday, October 20, 2009, 1:00 to 3:00PM

NIST Boulder, Colorado

Subcommittee Members In Attendance:

Poul Andersen, Chairman
Werner Schafer, Vice-Chairman
Don Heirman

C63® Members as Observers:

Colin Brench
Dennis Camell
Victor Kuczynski
Dreena Moongilan
Jeff Silberberg

Observers:

Dean Ghizzone
Adam Gouker
Randy Long
David Zimmerman

1. Call to order
 - 1.1. The meeting was called to order at 1:00 PM by the Chair, who welcomed those present.
 - 1.2. The attendees introduced themselves
 - 1.3. The ANSI Patent Policy was reviewed
 - 1.4. The attendees were reminded of the C63® fee policy.
2. The agenda was approved without change.
3. The minutes of the April, 2009 meeting were approved as distributed.
4. Review SC3 Membership

There were no changes in membership
A SC Secretary was not named, but Collin Brench volunteered to serve for the meeting.
5. Analysis Review

A reminder that submissions for homologation need to be submitted to the US TAG for the relevant international standards activity.

5.1 Report on C63.2 – Test Instruments: Don Heirman reported status as awaiting BOS review [Subsequent to the meeting approved: now awaiting publication]. Werner Schaefer commented that CISPR 16-1-1 and C63.2 not fully harmonized but C63.2 takes precedence where specified.

AI 1: SC3 recommends that SC1 review the document for portions that should be submitted to CISPR/A for homologation.

5.2 Report on C63.4 – Measurements: The 2009 edition was published September 15th. Submission to FCC requested use of this version over 2003 but we are already looking at new additions. Still are some harmonization differences CE table height, and above 1GHz for example. There while there is potential for further harmonization there are still differences.

AI 2: SC3 recommends that SC1 review the document for portions that should be submitted to CISPR/A for homologation.

5.3 Report on C63.5 - Antenna Calibration: Dennis Camell: Some harmonization has been possible however there are still differences and while the goal is harmonization this is not seen as imminent.

Werner Schaefer: significant changes due out in May to better include uncertainty achievable with the cal method rather than having different ‘antenna factors’. Harmonization for this is a major goal and is expected to be achieved. There are still some fundamental differences between the two standards.

AI 3: SC3 recommends that SC1 review the document for additional portions that should be submitted to CISPR/A for homologation.

5.4 Report on C63.14 – Definitions: The document mainly supports the US military and C63®. Don H, C63.14 is going well and is expected to be published before the end of this year. However, there are still differences from IECV.

AI 4: SC3 recommends that SC2 review the document for portions that should be submitted to IEC TC1 for homologation.

5.5 Report on C63.16 – ESD: The document is quite similar to IEC 61000-4-2. There is considerable commonality, but C63.16 contains some additional material.

AI 5: Don Heirman to complete review of the documents and make a proposal for the April 2010 SC3 meeting.

5.6 Report on C63.18 - Medical On-Site Measurements: The document title was corrected to “On-Site” in lieu of “In-Situ”. This document to be reviewed after it is published to assure that any proposal would be based on the final

version. Proposal would be addressed to IEC TC77B US TAG (D. Heirman to R. Showers).

5.7 Report on C63.19 - Hearing Aid Compatibility: Steve Berger reported that there is an international standard which covers immunity but not emissions therefore part of C63.19 could be advanced as an international standard. IEC TC 43 is the companion international committee.

AI 6: SC3 recommends that SC8 review the document for portions that should be submitted to TC43 for homologation.

AI 7: Steve Berger to informally explore interest within TC43 week of Oct 26th.

5.8 Report on C63.23 - Emission Measurement Uncertainty: A JTF is functioning between TC77B and CISPR/A. Bob Delisi reported that standard work ongoing. International standards are using portions from CISPR 16-4-2 (or other locations) so the harmonization is being maximized.

AI 8: SC3 recommends that SC1 review the document for portions that should still be submitted to the JTF for homologation.

5.9 Report on C63.25 - Test Site Validation: Don Heirman indicated that the document introduces time domain measurements and that this method is not yet documented in an international standard. It was agreed that this is a document that potentially has content that should be submitted to CISPR/A after publication.

5.10 The Subcommittee Chair requests that for each of the above documents, the responsible SC Chair verify the lead person to report at the next meeting.

AI 9: Request to be made in the SC report to C63®.

6 C63.24 was added to the list to be reviewed as a companion document to C63.18.

7 Other issues and discussions

7.1 Issues from IEC (including CISPR), ISO and other international standards activity potentially affecting US standards development: Head of Delegation or Chairman's reports to CISPR/S from the 2009 Lyon, France meeting were reviewed.

CISPR (Poul Andersen HoD Report)

Power Line Communications was a major topic of discussion. There is no clear path that CISPR should take in addressing this topic. CISPR/I is to issue a questionnaire regarding the future of the PLT PT, take appropriate action and report back at the 2010 meeting.

Unifying Class A/Class B definition for CISPR documents was not resolved. Australia with support from South Africa will potentially submit a new proposal.

CISPR made a decision that multiple test methods would be allowed in CISPR documents. The issue is coming up at the SMB meeting for discussion.

CISPR/A (Werner Schaefer HoD Report) Expansion of receiver calibration requirements has become important due to the number of limited calibrations being performed. This is something that could be added to the C63 documentation as there is currently nothing similar.

CISPR/B (Don Heirman) Measurement uncertainty has been included in one standard in a manner that influences test data (i.e. measured value + uncertainty < limit.)

CISPR/D (Poul Andersen HoD Report) JTF with /A on chamber validation has a new convener – Craig Fanning of the US. CISPR/D replaces CISPR/B as the primary liaison with IEC TC69 with Martin Aidam of Germany at the liaison person..

CISPR/F (William Hurst HoD Report) There are no US equivalent standards. RMS Average detector is used. There are changes to ESD contact requirements in CISPR 14-2

CISPR/H (Wayne Hunter HoD Report) Issue of multiple test methods postponed until SMB makes a decision. IEC 61000-6-3 and 61000-6-4 will remain separate documents, not be merged. CISPR 31 will be cancelled with remaining relevant information included in CISPR 16-4-4. Spectrum usage in different countries is being collected. A questionnaire will be issued to determine whether levels should be established for Conducted Emissions 9 kHz to 30 MHz.

CISPR/I (Don Heirman from Chairman's report to CISPR/S) Key word is now Multimedia Equipment, not ITE. CISPR 13 receivers and CISPR 22 ITE being combined with much discussion and will be CISPR 32 (expected in 2011, required by 2014/5). CISPR 24 will eventually be replaced by CISPR 35. PLT activity in CISPR is very slow and has not achieved consensus. There is the possibility to forward US approach but with little hope of acceptance. It is likely that after 8 years of work in the Project Team, PLT activity will simply die.

AI 10: Don Heirman to get answer as to whether the HoD Reports can be attached to the minutes.

7.2 Website review revealed that the membership list needs to be updated to April 2009 and past approved minutes (and now the Oct 2009) need to be added to the public area.

AI :Chair to resend documents to Ed Hare to post.

7.3 Other – none.

8 The next meeting will be in conjunction with the spring 2010 ASC C63[®] meeting April, 2010 at IEEE in Piscataway, NJ

9 The meeting was adjourned at 2:55 PM.