

# C63<sup>®</sup> American National Standards Committee C63<sup>®</sup>

## Electromagnetic Compatibility

### Subcommittee 3: International Standardization

Chair: Ross Carlton

Vice Chair: Ernesto Mendoza

Secretary: Jerry Ramie

Webinar

Feb. 22, 2023; 12:00 PM – 2:00 PM - EST

### Approved Minutes

1. **Call to Order: Chair** - The meeting was called to order at 12:02PM-EST
  - 1.1 **Announcements: Chair's remarks** – We have two working groups reporting on their Standards today. Our agenda is new as well.
  - 1.2 **Meeting logistics announcements: Host** (N/A)
  - 1.3 **Introductions: Secretary – roll call** (members / affiliations and guests are shown below)  
**AI-156:** Jerry to add Doug Kramer to SC3 Webex list. (remove Randy Long)
  - 1.4 **Present membership:** Report any roster errors to the ASC-C63<sup>®</sup> Secretary

**Subcommittee 3 Membership Roster.** See **errors**, **absences** and **excused absences** below:

Name	Role within Subcommittee 3	Affiliation
<a href="#">Abbondante, Nick</a>	Liaison Member US CISPR/A Technical Advisor	Intertek
<a href="#">Carlton, Ross</a>	Chair Subcommittee 3	Gibbs & Cox (EMC Society Expert)
<a href="#">Coder, Jason</a>	Chair Subcommittee 7	NIST
<a href="#">DeLisi, Bob</a>	Chair Subcommittee 4	UL LLC
<a href="#">Fanning, Craig</a>	Liaison Member US CISPR/D Technical Advisor	Elite Electronic Engineering
<a href="#">Griffin, Andy</a>	Member US CISPR/H Technical Advisor	CISCO Systems
<a href="#">Hare, Ed</a>	Chair Subcommittee 5	ARRL
<a href="#">Hodes, Harry</a>	Member	Consultant
<a href="#">Hoolihan, Dan</a>	Chair ASC-C63 <sup>®</sup>	Hoolihan EMC Consulting
<a href="#">Klinger, Jeff</a>	Member	Cetecom, Inc.
<a href="#">Kramer, Doug</a>	Chair Subcommittee 6	Apple Inc.
<a href="#">Mendoza, Ernesto</a>	Vice Chair Subcommittee 3 US CISPR Technical Advisor US CISPR/F Technical Advisor	Signify
<a href="#">Popovici, Horia</a>	Member	Innovation, Science and Economic Development Canada
<a href="#">Potts, Nate</a>	Member	Keysight Technologies
<a href="#">Shellman, Marcus</a>	Chair Subcommittee 2	DOD – Joint Spectrum Center (JSC)
Non-Voting Members		
<a href="#">Arnett, Dave</a>	Liaison Member US CISPR/I Technical Advisor	Garmin
<a href="#">Cibulka, Michael</a>	Liaison Member TC77 & SC77B Technical Advisor	Rockwell Automation
<a href="#">Hofmann, H.R. (Bob)</a>	Emeritus Member	Hofmann EMC Engineering
<a href="#">Jones, Steve</a>	Liaison Member	FCC Laboratory
<a href="#">Mahn, Terry</a>	Liaison Member US CISPR/B Technical Advisor	Fish and Richardson

<a href="#">Pettit, Ghery</a>	Liaison Member CISPR/I Chair	Pettit EMC Consulting, LLC
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**Guests and Observers:** (non-voting) Jerry Ramie, Nick Garinger, Mike Duncanson, Jeff Evans

**1.5 Quorum: (50% of roster) constitutes a quorum.** (rounding up) (15 roster members / 2 = 7.5 >> 8 (therefore **8 people** are required for a quorum) **Was quorum achieved? (Yes)** If not, any actions taken are subject to confirmation by electronic ballot or at a future meeting. (Quorum is not required for Working Group meetings)

**2. Approval of the Agenda: Secretary** - The [Agenda](#) was approved by acclamation.

**2.1 Approval of the previous Minutes - 20221108** The previous Minutes were reviewed in a line-by-line manner and [approved](#) by acclamation.

**2.2 Review of the [patent slides](#)** – The patent slides were reviewed and all agreed to abide by the policies shown.

**3. Review of [Subcommittee Membership](#), - Report any errors to the Secretary**

**3.1 Review of Membership Guidelines**

**Subcommittees:**

For an individual to remain a voting member of a Subcommittee, active participation in Subcommittee meetings and regular responses to Subcommittee email votes is required. Should a member fail to attend at least one of three consecutive scheduled meetings (in person or remotely via web conference (when used)) or respond to at least one of every two consecutive Subcommittee email votes, their membership in that Subcommittee may be at risk.

**Note:** Abstentions shall be treated the same as a “yes” or “no” vote regarding the requirement to respond to email votes.

**Member Attendance Log: Any errors in the log?**

11/20/19	2/13/20	5/28/20	9/9/20	12/3/20	3/3/21	5/26/21	8/25/21	12/15/21	3/2/22	5/17/22	11/8/22	Full Name
				x	x	x	x	x	x	x	x	Abbondante, Nick
			x	x	x	x	x	x	x	x	x	Carlton, Ross
x	x	x	x	x	x	x	x	x	x	x	x	Coder, Jason
x	x	x	x		x	x	x	x	x	x	x	DeLisi, Bob
	x	x				x	x	x	x	x	x	Fanning, Craig
	x	x		x		x	x		x	x	x	Griffin, Andy
x				x	x	x					x	Hare, Ed
												Hodes, Harry
x		x	x	x	x	x	x	x	x	x	x	Hoolihan, Dan
									x	x	x	Klinger, Jeff
		x			x	x		x	x	x	x	Kramer, Doug
	x	x	x	x	x	x	a	x	x	a	x	Mendoza, Ernesto
	x	x	x	x		x	a	x	x	x		Popovici, Horia
x	x			x	x	x	x	x		x	x	Potts, Nate
x		x		a	x		x			x		Shellman, M.
								x				Arnett, Dave
	a	x	x	x	x	x	x		x			Cibułka, Michael
x				x		x		x	x			Hofmann, H.R.
x	x					x	x		x	x	x	Jones, Steve
												Mahn, Terry
			x	x	x	x		a	x	x		Pettit, Ghery
x	x	x	x	x	x	x	x	x	x	x		Ramie, Jerry

**Any members at risk? None** are at risk.

**3.2 Consideration of new members? [Application for C63® Subcommittee Membership](#)**

**4. Status of harmonization projects - Chair**

Status of harmonization of C63 documents with documents of other Standards Development Organizations (SDOs) is summarized in Table 1. Status is provided by the cognizant Subcommittee or Working Group.

**Table 1: ANSC-C63® Document Harmonization Summary**

ANSC-C63®			Other SDO		Status
Document	SC	Subject	Document	Harmonization Goal	

Should we include text in the PINS that would require harmonization (or not)? Nick felt that we would not know exactly what would be written that addresses the PINS. Our current flow chart allows consideration of harmonization only at ballot. Bob suggested we review and revise the flow chart.

**5. Other Old Business: Chair**

**5.1 Existing harmonization project reports** - Written or verbal reports of the status of harmonization projects and needs for liaison support shall be presented by the responsible Subcommittee Chair. Written reports may be made using either the [C63 PowerPoint template](#) or the [C63 PowerPoint template wide](#). Prior to the SC3 meeting, any written report shall be provided to the projectionist for showing on the screen at the SC3 meeting.

**5.2 Liaison needs** – Identify needs and potential candidates for liaisons to facilitate harmonization projects. No new needs were identified.

**5.3 Harmonization process** – Discuss and develop harmonization processes and guidance for Subcommittees. The flow chart was reviewed with the following conclusions: (1) the only initial documents required are the subject standard and a statement of the harmonization goal, (2) submissions to SC3 should come from the responsible SC, and (3) the form of submission may be by email or other written method. **AI-157:** Ross to mark up the flow-chart and have Bob address the changes requested. Review at the next meeting.

**5.4 C63.12** – This document will be allowed to expire in 2025 since the need for such a standard has been overcome by events.

**6. New Business: Chair -**

**6.1 New harmonization projects** – Discuss new harmonization projects for documents under development by the Subcommittees. We discussed C63.9 with the result that no harmonization is requested.

**6.2 SC3 Scope, Duties and Tasks** – A new Scope is now posted:

*Subcommittee 3 (SC3) is responsible for promoting and facilitating harmonization of C63 publications with those developed by national and international standards bodies. SC3 establishes and maintains liaisons with these standards bodies or the appropriate national committee to facilitate coordination and cooperation. SC3 is also responsible for writing and maintaining existing and proposed C63 standards as assigned by the Main Committee American National Standards Committee (ANSC) C63.*

There were no comments on the Scope. Only a Scope and Duties (Tasks) are required by our policy.

**General Tasks:**

*1) For each PINS already in force or newly prepared by C63® or its subcommittees, SC 3 shall prepare a statement on the relation of the proposed or existing standard to existing international standards or those in development.*

~~-2) When requested by the parent committee to review a specific C63<sup>®</sup> member standard, SC 3 shall prepare a statement on the relation of the proposed or existing member standard to existing international standards or those in development.~~

~~-3) In cases where harmonization with an international standard is not considered appropriate, SC 3 shall summarize the differences in technological applications, government regulations, or practical considerations that justify differences between US standards and international standards.~~

~~-4) SC 3 shall make recommendations to C63<sup>®</sup> regarding which international standards should be adopted directly as US national standards.~~

~~-5) SC 3 may recommend to C63<sup>®</sup> that the standards work of C63<sup>®</sup> be used as input (via the liaisons with the USNC TAGs) to appropriate international standards for which the liaison members are responsible.~~

Discussion - the tasks are contained within the flow chart. The chart may need explanatory text. **AI-158**: Jerry will delete the General Tasks above.

## **Membership Criteria**

*There are two classes of membership: regular members and liaison members.*

### **Regular Members:**

*For regular membership consideration, applicants are required to attach a resume to the application form highlighting their expertise in electromagnetic compatibility and the type of contributions they can provide of interest to Subcommittee 3. Subcommittee membership requires Subcommittee approval and a C63<sup>®</sup> vote and, if approved, notice of acceptance will be sent to the applicant. For name and address of the Subcommittee Chair and for Subcommittee projects, please see the Subcommittee listings on the C63<sup>®</sup> web site at <https://www.c63.org/subcommittees.htm>*

See "[Membership and Working Group Roster](#)" page for additional criteria for continued SC3 membership

### **Liaison Members:**

*Liaison members are special non-voting members as by virtue of their positions may be needed to conduct SC3 business that covers topics of the standards committees which they represent. The liaison members of Subcommittee 3 consist of the technical advisors (TAs) and deputy technical advisors (DTAs) of the IEC USNC TAGs which have as their main scope EMC topics. These members are approved by the regular members of the subcommittee and the parent committee as noted for regular members. Should the need arise to include additional liaison members during the year (in addition to those included on the SC membership list approved at the first C63<sup>®</sup> meeting of the year) as a result of special circumstances (i.e., the individual can contribute significantly to the work of the Subcommittee), liaison membership may be granted after approval by the Regular Members of the Subcommittee and a parent committee vote. .*

*NOTE: Fees for membership, meetings, and other costs are covered in the general fee structure on the C63<sup>®</sup> web site. Liaison members will not have a regular membership fee but may be charged a meeting fee to offset meeting expenses.*

Discussion: Ross felt that this membership criteria could stay on the site un-changed. **Ed Hare moved to accept** our Membership roster & Scope, delete the Tasks, confirm Duties and keep the Membership text. Bob seconded. Discussion? No opposition, the **motion carried** by unanimous acclamation.

~~**6.3 Liaison between ANSC-C63 and CISPR – Abbondante** – I have spoken with Dan Hoolihan and CISPR about a liaison between USEMGSC/C63 and CISPR and have put in place some things to make that happen, which would allow us to participate in all the CISPR subcommittees and working groups (if approved by CISPR and ANSI) and also to receive documents circulated by CISPR. So I would plan to give an update on that topic, since the CISPR plenaries are the week prior.~~

Nick discussed having ANSC-C63 become an I-member. We have a need to look at drafts when writing new documents. Ernesto like Nick's idea. The next step is to fill out an application. There are logistics implications. Who is the liaison? What is their role? (admin. burden) Are they only facilitating? We could not vote on a CDV, (Committee Draft for Voting) but we could comment on it. Nick will present this idea to the US-EMC Stds. Corp.

**7. C63.org website use and updates: Secretary** - We normally post documents to the [SC3 protected area](#). If any SC or WG needs help with this posting, a Technical Secretary is available to assist.

**8. Review of the Action Items: Secretary**

**8.1 Review of Action Items from previous meeting:**

**Consolidated Action Items from 11/08/22 Meeting of SC3**

AI #	Task	Responsible party	Due Date	Status
AI-152:	Jerry to change SC6 Chair to Doug Kramer	Jerry Ramie	Next meeting	Closed Changed 11/17
AI-153:	Jerry to contact Jeff Evans re/ IEC 61000-4-39 relevance to C63.9	Jerry Ramie	Next meeting	Closed contacted 11/17
AI-154:	Jerry to <u>find a place in the SC3 section</u> to post this flow-chart. ( <a href="#">JPG</a> )		Next meeting	Closed Posting order sent 11/17
AI-155:	Ross to present the amended Scope to the Main Committee. <u>Duties to be removed.</u>	Ross Carlton Jerry Ramie	Next meeting	Closed Posting order sent 11/17

**8.2 Review of Action Items from this meeting—Secretary** - The **Action Items** from this meeting were reviewed and understood by those involved.

**9. Next meeting: Chair – May 10 @ 1PM-EDT - (90 min)** (meeting set 2/22)

**10. Closing remarks and Adjournment: Chair** - The Chair thanked the members and guests for their participation. The meeting was adjourned at 1:44 PM-EST.

\*\*\*\*\* End of Meeting \*\*\*\*\*

**Consolidated Action Items from 02/22/23 Meeting of SC3**

AI #	Task	Responsible party	Due Date	Status
AI-156:	Jerry to <u>add Doug Kramer to SC3 Webex</u> list. ( <u>remove Randy Long</u> )	Jerry Ramie	5/10/23	Closed added 2/22
AI-157:	Ross to mark up the flow-chart and have Bob address the changes requested. Review at the next meeting.	Ross Carlton Bob DeLisi	5/10/23	Open ( <a href="#">JPG</a> )
AI-158:	Jerry will <u>delete the General Tasks above</u>	Jerry Ramie S Archambeault	5/10/23	Closed posting order sent 2/22