



# Accredited Standards Committee C63<sup>®</sup>

## Electromagnetic Compatibility

### Subcommittee 8 - Medical Device EMC Test Methods

Chair: Stephen Berger

Vice Chair: John Becker

Secretary: Allen Crumm

June 17th, 2020; 1:00 PM – 2:00 PM - EDT

Spring Meeting on WebEx

### Meeting Minutes

**1. Call to Order: Chair - 1:12 pm EDT.**

**1.1 Opening remarks and Announcements: Chair**

**1.2 Meeting logistics announcements: Host**

**1.3 Introductions: Secretary** – John Becker, Allen Crumm, Ed Hare, Dan Hoolihan, Dave Case, Jeffery Silberberg, Steve Liu Absent: Stephen Berger, Bob Delisi, Don Heirman, Dave Zimmerman

### Subcommittee 8 Membership Roster

Name	Role within SC	Affiliation
<a href="#">Becker, John</a>	Vice Chair	Hearing Industries Association
<a href="#">Berger, Stephen</a>	Chair	TEM Consulting
<a href="#">Case, David</a>	Member	Cisco Systems
<a href="#">DeLisi, Bob</a>	Member	UL, LLC
<a href="#">Hare, Ed</a>	Member	ARRL
<a href="#">Heirman, Don</a>	Member	Don HEIRMAN Consultants
<a href="#">Hoolihan, Dan</a>	Member	Hoolihan EMC Consulting
<a href="#">Kuczynski, Victor</a>	Member	Vican Electronics
<a href="#">Liu, Steve</a>	Member	PCTEST Engineering Laboratory, LLC
<a href="#">Silberberg, Jeffrey L</a>	Member	FDA Center for Devices & Radiological Health
<a href="#">Zimmerman, Dave</a>	Member	Spectrum EMC, LLC

Guests and Observers: Allen Crumm

**1.4 Quorum: (50% of roster + 1) constitutes a quorum.** (rounding down) (Example: 9 roster members / 2 = 4.5 + 1 = 5.5 (therefore 5 people are required for a quorum) **Was quorum achieved? (Yes (6))** 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 – Dave Case Motioned, Jeff Silberberg 2<sup>nd</sup>, Approved.**

**2.1 Approval of the previous Minutes - [Minutes of the previous meeting \(3 missing sets\) May 2018](#) – Allen will link in Jeffery’s reports.**

April 2019 – Jeffery Silberberg moved, Ed Hare 2<sup>nd</sup>, Approved.  
November 2019

2.2 Review of the [patent slides](#) – No Issues.

3. Review of [Subcommittee Membership](#) - Secretary – Report any errors to the ASC-C63® 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.

**Working Groups:**

For an individual to remain a member of a Working Group, active participation is required. Should a member fail to attend at least one of three consecutive scheduled meetings (in person or via web conference (when used)) their membership in that Working Group may be at risk. Individual Working Groups may establish additional participation criteria and/or modify this requirement.

**Member Attendance Log:**

Name	11/8/17	5/2/18	11/28/18	5/24/19	11/20/19	06/17/20
<a href="#">Becker, John</a>	X	X	Web	X		X
<a href="#">Berger, Stephen</a>	X	X	Web	X	Web	A
<a href="#">Case, David</a>	Web	X	Web	X	Web	X
<a href="#">Delisi, Bob</a>	X	X	Web	X	X	A
<a href="#">Hare, Ed</a>					X	X
<a href="#">Heirman, Don</a>	X	X	Web	X	Web	A
<a href="#">Hoolihan, Dan</a>	X	X	Web	X	X	X
<a href="#">Kuczynski, Victor</a>		X	Web	X	Web	
<a href="#">Liu, Steve</a>	X	X	Web			X
<a href="#">Silberberg, Jeffrey L</a>	Web	X	Web	X	X	X
<a href="#">Zimmerman, Dave</a>	X	X	Web	X	Web	A

**Any members at risk?** These members are at risk (send letter to each member at risk). None at this time.

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

3.3 Approval of Membership (Spring meeting only) Ed hare moved, Jeff Silberberg. 2<sup>nd</sup>, Approved.

4. Approval of [Scope](#) and Duties: (Spring meeting only) (Report approval or any changes to the Main Committee) ) Ed Hare moved, Dave Case 2<sup>nd</sup>, Approved.

**Scope**

Subcommittee 8 is responsible for writing and maintaining existing and proposed C63® standards for medical devices, as assigned by the Main Committee ASC 63®.

**4.1 Election of Officers** (as required)

**5. Working Group reports - Chair** - [More information about each standard](#) is available on the Standards Status Matrix page of the [C63® web site](#). This information will be reviewed for accuracy at each Subcommittee meeting.

**5.1 C63.18: C63.18: On Site Medical Device Immunity Testing – Reaffirmed in July 2019.**

C63.18-2019 (R) <a href="#">Learn more</a>	On-Site Medical Radiated RF Immunity testing	<a href="#">SC 8</a>	<a href="#">Silberberg, Jeffrey</a>	No active PINS	Current. No plans for further maintenance at this time.
---	--	----------------------	-------------------------------------	----------------	---

**C63.18: C63.18-2014 Reaffirmed in 2019: On-site, Ad-Hoc Test Method for Estimating Radiated Electromagnetic Immunity of Medical Devices to Specific Radio Frequency Transmitters**

**Contact:** [Silberberg, Jeffrey L](#) (Working Group Chair)

**Scope:** This recommended practice is a guide to evaluating the electromagnetic immunity of medical devices to radiated radio-frequency (RF) emissions from common RF transmitters (e.g., two-way radios; walkie-talkies; mobile phones; wireless-enabled tablets, e-readers, laptop computers, and similar devices; radio-frequency identification (RFID) readers; networked mp3 players; two-way pagers; and wireless personal digital assistants [PDAs]).

**Status:** Reaffirmed on July 22, 2019.

**Purchase:** [IEEE Store](#). To purchase individual standards, go to the IEEE store and search on the standard number. Withdrawn standards can still be purchased. Draft revisions are not yet available for sale.

**5.2 C63.19: Hearing Aid Compatibility maintenance - [Stephen Berger](#)** (insert link to [WG report](#))

**5.21 Status Matrix Review (Spring meeting only)** Verify accuracy of document [status matrix](#) content and report any errors to the ASC-C63® Secretary. **Is this information correct? (Yes/No)**

**C63.19: C63.19-2019 American National Standard for Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids (New Edition published in 2019 5<sup>th</sup> edition)**

**Contact:** [Berger, Stephen](#) (Working Group Chair)

**Scope:** Uniform methods of measurement for compatibility between hearing aids and wireless communications devices are set forth.

**Status:** Current..

**Purchase:** [IEEE Store](#). To purchase individual standards, go to the IEEE store and search on the standard number. Draft revisions are not yet available for sale.

**Update the Status block. Hearing Aid Compatibility.**

**6. Old Business: Chair**

**6.1 Written reports** - Written reports of this Subcommittee meeting shall be presented by the Subcommittee Chair at the Main Committee meeting. These reports shall be made using either the [C63 PowerPoint template](#) or the [C63 PowerPoint template wide](#). Prior to the Main Committee meeting, the [SC report](#) and [approved previous SC meeting minutes](#) shall be provided to the projectionist for showing on the screen at the

Main meeting. The Presentation and any written report shall also be sent by the Subcommittee Chair to the ASC-C63® [Newsletter editor](#).

**6.2 Coordination with SC2 for definitions** - Before any Working Group draft can be submitted to the Subcommittee for approval, the document must be provided to the SC2 Chair for evaluation and coordination of the definitions used.

**6.3 Coordination with SC3 for harmonization** - Before any Working Group draft can be submitted to the Subcommittee for approval, the document must be provided to the SC3 Chair for evaluation and coordination of any harmonization effort.

**7. New Business: Chair**

7.1 New C63.32 standard under consideration (Schaefer) [draft PINS](#) ( edited 6-17-2020 ) for discussion is attached.

**Jeff Motioned to approve the PINS as amended, Ed Hare 2<sup>nd</sup>, Approved.**

**8. [C63.org](#) website use and updates: Secretary** - We normally post documents to the [SC8 protected area](#). If any SC or WG needs help with this posting, a Technical Secretary is available to assist.

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

**9.1 Review of Action Items from this meeting:** (read Action Items to Members, who must agree that they understand their meaning)

**9.2 Review of Action Items from previous meeting:** (insert consolidated Action Item table from the previous meeting Minutes as shown below)

**Consolidated Action Items from previous Meeting of SC8**

Action Item #	Subject	Responsible Person(s)	Status	Delivery Date	Comments

**10. Time and place of next meeting: Chair – Wednesday September 16<sup>th</sup> at 1pm EDT.**

**11. Closing remarks and Adjournment: Chair 2:05pm EDT**

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

**Consolidated Action Items from today's Meeting of SC8**

Action Item #	Subject	Responsible Person(s)	Status	Delivery Date	Comments
<b>A/I 1</b>	Add links to minutes for reports	Allen Crumm	<b>CLOSED</b>	6/22/2020	
<b>A/I 2</b>	PINS for C63.32 was edited and approved. Allen to forward to Dan Hoolihan for consideration at the main committee level.	Allen Crumm	<b>OPEN</b>	7/1/2020	