

Accredited Standards Committee C63[®] Electromagnetic Compatibility

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Secretariat: Institute of Electrical and Electronic Engineers, Inc.

C63[®] SC8 - Medical Device EMC Test Methods APPROVED MINUTES of the May 10, 2017 meeting A2LA Headquarters, Frederick, MD

Chairman: Stephen Berger, stephen.berger@ieee.org

Vice-Chair: Steve Whitesell, swhitesell@ieee.org

Secretary: Dave Zimmerman, dzimmerman@spectrumemc.com

Attendance:

Member's Name	Member's Role on SC8	Present	Absent
Andersen, Poul	Member		X
Attayi, Daoud	Member		X
Berger, Stephen	Chair	X	
Case, David	Member		X
DeLisi, Bob	Member	X	
Griffin, Andy	Member		X
Hare, Ed	Member		X
Heirman, Don	Member		X
Hoolihan, Dan	Member	X	
Hurst, Bill	Member		X
Knipple, Tom	Member		X
Kuczynski, Victor	Member	X	
Liu, Steve	Member		X
Moongilan, Dheena	Member	X	
Silberberg, Jeffrey L	Member	X	
Whitesell, Steve	Vice-Chair		X
Zimmerman, Dave	Secretary	X	
Names	Observers only below this line.		
Werner Schaefer	Observer	X	
Nate Potts	Observer	X	
Vladimir Bazhanov	Observer	X	
John Becker	Observer	X	
Lloyd Neurauter	Observer - Web	X	
Harry Hodes	Observer	X	
Zhong Chen	Observer	X	
Doug Kramer	Observer	X	
John Lichtig	Observer	X	
Susan Bahr	Observer	X	
John Norgard	Observer	X	
Al Crumm	Observer	X	
Jason Nixon	Observer	X	
Khairul Zainal	Observer	X	
Janet O'Neil	Observer	X	
Tim Harrington	Observer	X	
Narendra Soman	Observer - Web	X	

1. **Call to Order:** Chair, Stephen Berger called the meeting to order at 1:04 EDT.
 - 1.1 **Opening remarks and announcements:** Chair, Stephen Berger, welcomed those in attendance and those on the web meeting.
 - 1.2 **Meeting logistics announcements:** There were no announcements.
 - 1.3 **Introductions:** Chair, Stephen Berger, asked for introductions. Everyone around the table introduced themselves and their affiliation. Secretary, David Zimmerman sent a sign-in sheet around the room.
2. **Approval of the Agenda:** Chair, Stephen Berger reviewed the agenda, a motion was made by Bob DeLisi and second by Jeff Silberberg. A vote was taken and the motion passed.
3. **Presentation of [patent slides](#):** Chair, Stephen Berger, showed the slides regarding IEEE patent policy. Chair, Stephen Berger went over the content of the slides and an opportunity was given to the subcommittee members to identify/disclose patents.
4. **Approval of minutes of previous meeting:** Jeff Silberberg proposed minor editorial changes to the draft minutes, David Zimmerman made additional changes, and the minutes were reviewed. Jeff Silberberg made a motion to approve the minutes as amended, Bob DeLisi seconded the motion. A vote was taken on the amended minutes and approved by majority vote.
5. **Meeting attendance & Membership:** Membership was modified to change Bob DeLisi's affiliation to UL, LLC and to remove Daoud Attayi, Bill Hurst, and Tom Knipple.
6. **Approval of the membership, scope, and duties.**
7. A motion was made by Dan Hoolihan and seconded by Jeff Silberberg to approve the membership, scope and duties. A vote was taken, and the motion passed. Secretary Zimmerman has made/will make the necessary changes regarding this information.
8. **Working Group reports:**
 - 8.1 **C63.18:** Currently no developments.
 - 8.2 **C63.19:** Steve Berger gave a verbal report regarding C63.19. [More information about each standard](#) is available on the Standards Status section of the [C63® web page](#).
9. **Other Old Business:** There was no old business discussed.
10. **New Business:** Chair, Stephen Berger, asked if there was any new business. There was none.
 - 10.1 **AAMI Report:** In Don Heirman's absence, Jeff Silberberg and Stephen Berger gave a brief report.
 - 10.2 **FDA EMC Activities Report:** Jeff Silberberg gave a report that can be found at: http://www.c63.org/pw/sc_8.
 - 10.3 **IEC SC62A MT23 Liaison Report:** Jeff Silberberg gave a report that can be found at: http://www.c63.org/pw/sc_8.
 - 10.4 **FDA Expectations for Wireless Medical Devices:** Jeff Silberberg gave a report that can be found at: http://www.c63.org/pw/sc_8.
 - 10.5 **IEC 60601-1-2 Requirements for Receivers:** Jeff Silberberg gave a report that can be found at: http://www.c63.org/pw/sc_8. Bob DeLisi asked a general question regarding risk management, and there was some general discussion on the topic.
11. **Action Items:** The open action items from the previous meeting are shown below.

Action Item #	Subject	Responsible Person	Status	Deliverable Date	Comments
AI-1:	Send updates to the website to Jerry Ramie with the most current membership and make necessary corrections to member information.	David Zimmerman	Open	12-31-2016	Still open – changes from the November 2016 and May 2017 meetings will be updated.
AI-2:	Send e-mail to at risk members.	David Zimmerman	Closed	12-31-2016	
AI-3:	Add presentations to SC8 members area	David Zimmerman	Closed	12-31-2016	
AI-4:	Write an article for the newsletter reaching out for new SC8 members, especially those with expertise in implantable medical devices.	David Zimmerman	Open	12-31-2016	
AI-5:	Request from Seth Seidman E-field and H-field measurement data from cell phones. For the C63.19 working group.	Jeff Silberberg	Closed	12-31-2016	Seth said it would not be available until it was published.

New and existing action items are listed below.

Action Item #	Subject	Responsible Person	Status	Deliverable Date	Comments
AI-1:	Send updates to the website to Jerry Ramie with the most current membership and make necessary corrections to member information.	David Zimmerman	Open	1 June 2017	
AI-2:	Send e-mail to at risk members, Poul Andersen, Andy Griffin, Ed Hare, and Steve Liu.	David Zimmerman	Open	1 June 2017	
AI-3:	Write an article for the newsletter reaching out for new SC8 members, especially those with expertise in implantable medical devices.	David Zimmerman	Open	1 November 2017	

12. Time and place of next meeting: The proposed date of the next SC8 meeting is during the dates of November 6-8, 2017 prior to the main committee meeting. The next meeting will be held in Cedar Park, TX, at ETS Lindgren headquarters.

13. Closing remarks and Adjournment: Chair, Stephen Berger adjourned the meeting at 2:35 pm EDT.

Current SC8 Membership

Name	Role within Subcommittee 8	Affiliation / Financial Support
<u>Andersen, Poul</u>	Member	Poul Andersen Consulting / SAE
<u>Berger, Stephen</u>	Chair	TEM Consulting
<u>Case, David</u>	Member	CISCO
<u>DeLisi, Bob</u>	Member	UL, LLC
<u>Griffin, Andy</u>	Member	CISCO Systems
<u>Hare, Ed</u>	Member	ARRL
<u>Heirman, Don</u>	Member	Don HEIRMAN Consultants
<u>Hoolihan, Dan</u>	Member	Hoolihan EMC Consulting
<u>Kuczynski, Victor</u>	Member	Vican Electronics
<u>Liu, Steve</u>	Member	PCTEST Engineering Laboratory, Inc.
<u>Moongilan, Dheena</u>	Member	Nokia
<u>Silberberg, Jeffrey L</u>	Member	FDA Center for Devices & Radiological Health
<u>Whitesell, Steve</u>	Vice Chair	Whitesell Consulting, LLC
<u>Zimmerman, Dave</u>	Secretary	Spectrum EMC, LLC

The members highlighted in **red** have been removed from the membership roster.
The members highlighted in **yellow** are at risk.