

Accredited Standards Committee C63[®] Electromagnetic Compatibility

Accredited by the American National Standards Institute, Inc.
Secretariat: Institute of Electrical and Electronic Engineers, Inc.

**C63[®] SC8 - Medical Device EMC Test Methods
DRAFT MINUTES of the November 9, 2016 meeting**

**Hilton Hotel
3050 Bristol St.**

Costa Mesa, CA 92626

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
Coston, Steve	Member		X
DeLisi, Bob	Member		X
Griffin, Andy	Member		X
Hare, Ed	Member		X
Refai, Hazem	Member		X
Heirman, Don	Member	X	
Hoolihan, Dan	Member	X	
Hurst, Bill	Member	WEB	
Knipple, Tom	Member	WEB	
Kuczynski, Victor	Member	X	
Liu, Steve	Member		X
Moongilan, Dheena	Member		X
Silberberg, Jeffrey L	Member	X	
Stumpf, Bill	Member		X
Whitesell, Steve	Vice-Chair		X
Witters, Don	Member		X
Zimmerman, Dave	Secretary	X	
Last, First Names	Observers only below this line.		
Schaefer, David	Observer	X	
Reitz, Richard	Observer	X	
Guerrero, Mario	Observer	X	
Norgard, John	Observer	X	
Becker, John	Observer	X	
Hackett, Beth	Observer	X	
Darden, Jeremiah	Observer	X	

1. **Call to Order:** Chair, Stephen Berger called the meeting to order at 10:20 am PST.
 - 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, approved by acclamation.
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. **Presentation of meeting attendance slides:** The meeting attendance sheet was reviewed.
5. **Approval of minutes of previous meeting:** Jeff Silberberg proposed changes to the draft minutes, David Zimmerman made additional changes, and the minutes were reviewed. Dan Hoolihan made a motion to approve the minutes as amended, Don Heirman seconded the motion. A vote was taken on the amended minutes and approved by majority vote.
6. **Membership:** Don Heirman noted that Alcatel-Lucent Technologies is now Nokia. Bill Stumpf had requested via e-mail to be removed from SC8. A motion was made to remove Steve Coston, Hazem Refai, and Don Witters from the SC8 membership roster (due to lack of participation) by Don Heirman and seconded by Victor Kuczynski. A vote was taken, Tom Knipple and Jeff Silberberg abstained, and the motion passed. Secretary Zimmerman has made/will make the necessary changes regarding this information.
7. **Working Group reports:**
 - 7.1 **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](#). Steve Berger played an audio clip as an example of the problems with hearing aid compatibility with cell phones. Bill Hurst was asked what the expectations of the FCC were regarding hearing aid compatibility, and this has not been determined at this time.
8. **Other Old Business:** There was no further old business discussed.
9. **New Business:** Chair, Stephen Berger, asked if there was any new business. There was none.
 - 9.1 **FDA EMC Activities Report:** Jeff Silberberg gave a report that can be found at: http://www.c63.org/pw/sc_8. The FDA does not require that medical devices are tested in an accredited laboratory. The Chair raised the question whether accredited laboratories should be required to test medical devices. Jeff will supply a press release regarding Medical Electrical Equipment and System Electromagnetic Immunity Test for Exposure to Radio Frequency Identification Readers that will be available along with the report.
 - 9.2 **IEC SC62A MT23 Liaison Report:** Jeff Silberberg gave a report that can be found at: http://www.c63.org/pw/sc_8.

10. 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	5-12-2016	Closed
AI-2:	Send e-mail to at risk members	David Zimmerman	Open	5-12-2016	Closed – Remove Bill Stumpf
AI-3:	Add information to Don Heirman's presentation from the Nov. 2015 and to add a link to Jeff's presentations.	David Zimmerman	Open	5-12-2016	Closed
AI-4:	Add presentations to SC8 members area	David Zimmerman	Open	5-12-2016	Closed

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	12-31-2016	
AI-2:	Send e-mail to at risk members.	David Zimmerman	Open	12-31-2016	
AI-3:	Add presentations to SC8 members area	David Zimmerman	Open	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	Open	12-31-2016	

11. Time and place of next meeting: The proposed date of the next SC8 meeting is during the week in May 8-11, 2017 prior to the main committee meeting. The next meeting will be held in Fredrick, MD at A2LA Headquarters.

12. Closing remarks and Adjournment: Chair, Stephen Berger adjourned the meeting at 12:01 pm PST.

Current SC8 Membership

Name	Role within Subcommittee 8	Affiliation / Financial Support
Andersen, Poul	Member	Poul Andersen Consulting / SAE
Attayi, Masud	Member	Blackberry Corporation
Berger, Stephen	Chair	TEM Consulting
Case, David	Member	CISCO
Coston, Steve	Member	PCTEST Engineering Laboratory, Inc.
DeLisi, Bob	Member	Underwriters Laboratory
Griffin, Andy	Member	CISCO Systems
Hare, Ed	Member	ARRL
Refai, Hazem	Member	University of Oklahoma
Heirman, Don	Member	Don HEIRMAN Consultants
Hoolihan, Dan	Member	Hoolihan EMC Consulting
Hurst, Bill	Member	FCC
Knipple, Tom	Member	Motorola Mobility
Kuczynski, Victor	Member	Vican Electronics
Liu, Steve	Member	PCTEST Engineering Laboratory, Inc.
Moongilan, Dheena	Member	Nokia
Silberberg, Jeffrey L	Member	FDA Center for Devices & Radiological Health
Stumpf, Bill	Member	DLS Electronics / ACIL
Whitesell, Steve	Vice Chair	Whitesell Consulting, LLC
Witters, Don	Member	FDA Center for Devices & Radiological Health
Zimmerman, Dave	Secretary	Spectrum EMC Consulting, LLC

The members highlighted in red have been removed from the membership roster.