



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

### Electromagnetic Compatibility

#### Subcommittee 7: Spectrum Etiquette

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Chair: Jason Coder Vice Chair: Stephen Berger Secretary: Allen Crumm

February 14th, 2022; 1:00PM-3:00PM MT

WebEx Meeting

Dial in: +1 415-655-0002

Access Code: 2454 405 5092

#### Meeting Minutes

#### 1. Call to Order: Chair

1.1 Announcements: Chair's remarks.

1.2 Meeting logistics announcements: **Review logistics of Subcommittee meetings and main committee meetings amid travel restrictions**

1.3 Introductions: Secretary – **roll call** (record attending members with their affiliations and guests separately below) **Report any roster errors to the ASC-C63<sup>®</sup> Secretary**

#### Subcommittee 7 Membership Roster

Name	Role within SC 7	Affiliation
<a href="#">Al-Kalaa, Mohamad</a>	Member	FDA
<a href="#">Berger, Stephen</a>	Vice-Chair	TEM Consulting
<a href="#">Case, Dave</a>	Member	Retired
<a href="#">Coder, Jason</a>	Chair	NIST
<a href="#">DeLisi, Bob</a>	Member	UL
<a href="#">Dilay, Chris</a>	Member	SPAWAR Systems Center, Pacific
<a href="#">Hare, Ed</a>	Member	ARRL
<a href="#">Hoolihan, Dan</a>	Member	Hoolihan EMC Consulting
<a href="#">Jones, Steve</a>	Member	FCC
<a href="#">Refai, Hazem</a>	Observer	University of Oklahoma
<a href="#">Silberberg, Jeff</a>	Member	FDA

Send Ed Hare. and Steve Jones. a reminder.

Guests and Observers: (non-voting):

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? 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 – Jeff Silberberg. motioned, Omar Al Kalaa2<sup>nd</sup>, Approved.

2.1 Approval of the previous Minutes - Minutes of the previous meeting **Review of the patent slides** Omar Al Kalaa motioned, Jeff Silberberg. 2<sup>nd</sup>, approved by acclamation.

#### 3. Review of **Subcommittee Membership**: Chair - Report any errors to the ASC-C63<sup>®</sup> Secretary

##### 3.1 Review of Membership Guidelines – members at risk?

**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:** (insert member attendance log as shown) **Any errors in the log?**

Name	11/19	4/29/20	8/24/20	11/4/20	2/10/21	5/18/21	9/21/21	2/14/22
<a href="#"><u>Mohamad Al-Kalaa</u></a>	X	X	X	X	X	X	X	X
<a href="#"><u>Berger, Stephen</u></a>		A	A	A		X	X	X
<a href="#"><u>Case, Dave</u></a>	X	X	X	X	X	X	X	X
<a href="#"><u>Coder, Jason</u></a>	X	X	X	X	X	X	X	X
<a href="#"><u>Crumm, Allen</u></a>	X	X	X	X	X	X	X	X
<a href="#"><u>DeLisi, Bob</u></a>							X	X
<a href="#"><u>Dilay, Chris</u></a>	X		X	X			X	X
<a href="#"><u>Hare, Ed</u></a>	X					X		
<a href="#"><u>Hoolihan, Dan</u></a>	X		X	X	X		X	X
<a href="#"><u>Jones, Steve</u></a>		X	X	X		X		
<a href="#"><u>Refai, Hazem</u></a>				X	X		X	X
<a href="#"><u>Silberberg, Jeff</u></a>	X	X	X	X	X	X	X	X

Any members at risk? [These members are at risk: \(send letter to each member at risk\)](#)

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

**3.2a – Application of Pelin Salem, Cisco Jason Coder and Bob Delisi for endorsements. Jeff Silberberg. motioned, OmarAl Kalaa2<sup>nd</sup>, Approved by acclamation with corrected application.**

#### 4. Approval of [Scope](#): Chair - (Spring Meeting Only) (Report approval or any changes to the Main Committee)

**Scope:** Subcommittee 7 develops standards addressing spectrum etiquettes, wireless coexistence, and related technical fields to provide new or amended measurement techniques to support efficient spectrum utilization. This scope includes areas related to coordinated or uncoordinated spectrum sharing schemes and dynamic spectrum access.

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

- Chair's current term expires December 31<sup>st</sup>, 2022

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

**5.1 C63.17 - Unlicensed Personal Communications Service (PCS) Devices - Berger** (insert link to [WG report](#)) Verify accuracy of document [status matrix](#) content and report any errors to the ASC-C63® Secretary.

C63.17-2020 <a href="#">Learn more</a>	Unlicensed Personal Communications Service (PCS) Devices	<a href="#">SC 7</a>	<a href="#">Berger, Stephen</a>	<a href="#">C63.17 PINS</a>	Reaffirmed
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#### **C63.17: C63.17-2013 Methods of Measurement of the Electromagnetic and Operational Compatibility of Unlicensed Personal Communications Services (UPCS) Devices**

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

**Scope:** Revision of IEEE Std C63.17-1998. Specific test procedures are established for verifying the compliance of unlicensed personal communications services (UPCS) devices with applicable regulatory requirements regarding radio-frequency (RF) emission levels and spectrum access procedures.

**Status:** Current. No plans for further maintenance at this time.

**Purchase:** [IEEE Store](#). To purchase individual standards, go to the IEEE store and search on the standard number.

A/I Steve Berger to contact DECT forum regarding DECT-2020 new radio.

**Is this information correct?** (repeat this verification for all Standards covered by this Subcommittee)

**5.2 C63.27 – Evaluation of Wireless Coexistence - Coder** (insert link to [WG report](#)) Verify accuracy of document [status matrix](#) content and report any errors to the ASC-C63® Secretary.

C63.27-draft <a href="#">Learn more</a>	Evaluation of Wireless Coexistence	<a href="#">SC 7</a>	Coder, Jason	<a href="#">C63.27 PINS</a>	Under revision
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#### **C63.27-draft: American National Standard for Evaluation of Wireless Coexistence**

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

**Scope:** This revision of the C63.27 standard provides improvements to the evaluation procedure and supporting test methods for wireless coexistence and evaluation of key performance indicators (KPI). The revised standard will provide evaluation procedures, test methods and other guidance necessary for performing the evaluation.

**Status:** Current. New revision being developed.

**Purchase:** Current version available for sale.

**Jason made contact with Lisa Perry. C63.27 is on track to be published in April.**

**Jason also made a presentation to NIOSH on mining community with coexistence.**

#### **6. Other Old Business: Chair**

- 6.1 Written reports** - Written reports of the Subcommittee meeting shall be presented by the Subcommittee Chair at the Main Committee meeting. These reports shall be made using the [PowerPoint template](#). Prior to the Main Committee meeting, the reports and [approved previous meeting minutes](#) shall be provided to the projectionist for showing on the projector screen at the meeting. The Presentation and any written report shall also be sent by the Subcommittee Chair to the ASC-C63® [Newsletter editor](#).
- SC7 report to steering committee available online
- 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.
- Comments from SC2 were considered for C63.27 during the balloting phase.
- 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.
- Revision to ANSI C63.27 submitted to SC3 for their consideration. SC3 confirmed receipt.

A/I Jason to reach out to SC3 on publishing C63.27 and ETSI comparisons.

## 7. New Business: Chair

7a. Discuss forming a task group to develop a publication on the difference between “coexistence” and “interference.”

**Discussion on how to recruit members and the direction of the subcommittee in the future.**

**A/I Jason to have a conversation with the main committee chair on our plans going forward on a publication on coexistence.’**

**8. [C63.org](#) website use and updates: Secretary** - We normally post documents to the [SC7 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 Meetings of SC7**

Action Item #	Subject	Responsible Person(s)	Status	Delivery Date	Comments
<a href="#">A/I 14</a>	Jason to check with Jerry to see if we need to resubmit the corrected scope to the Steering Committee.	Jason Coder	<a href="#">Open</a>		
<a href="#">A/I 17</a>	Jason to send out an invitation to the .27 working group and the SC7 for volunteers to join the white paper task group. Also mention at the steering committee meeting. ( Allen will pass this to Jerry.)	Jason Coder	<a href="#">Closed</a>	9/30/21	<a href="#">Discussed at Steering Committee and SC3 meetings</a>

Next meeting will be on MAY 18<sup>th</sup>, 2022 at ETS Lindgren.

Main committee: May 16<sup>th</sup> thru 20<sup>th</sup> 2022, ETS-Lindgren, Cedar Park/Austin, TX

11. Closing remarks and Adjournment: Chair – The meeting was adjourned at 2:30pm EST.

\*\*\*\*\* End of Meeting  
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**Consolidated Action Items from today's Meeting of SC7**

Action Item #	Subject	Responsible Person(s)	Status	Delivery Date	Comments
A/I 18	Jason to reach out to SC3 on publishing C63.27 and ETSI comparisons.	Jason Coder	Open		
A/I 19	Jason to have a conversation with the main committee chair on our plans going forward on a publication on coexistence.	Jason Coder	Open		
A/I 20	Steve Berger to contact DECT forum regarding DECT-2020 new radio.	Stephen Berger	Open		