



**ANSI-Accredited Standards Committee C63<sup>®</sup>**  
**Electromagnetic Compatibility**

Chair: [Dan Hoolihan](#)  
Vice-Chair: [Dan Sigouin](#)  
Secretary: [Jerry Ramie](#)

May 12, 2016 – 8:00 am to 3:30 pm  
IEEE Operations Center, Piscataway, New Jersey

**1. Call to Order - Chair** - The meeting was called to order at 8:05AM-EDT. Thanks go to the IEEE and Sue Vogel for their hospitality.

**1.1. Introductions (roll call) - Secretary** - Members in attendance are shown:

MEMBER	PRIMARY	ALTERNATE
ACIL	<a href="#">Hodes, Harry</a>	
Advanced Compliance Solutions, Inc.	<a href="#">Elliott, William (Mac)</a>	<a href="#">Wismer, Sam</a>
Alcatel – Lucent (Nokia)	<a href="#">Moongilan, Dheena</a>	Vacant
Apple, Inc.		<a href="#">O'Dwyer, Michael</a>
ARRL – The National Assoc. for Amateur Radio	<a href="#">Hare, Ed</a>	
Bay Area Compliance Laboratory Corp.	<a href="#">Hodes, Harry</a>	
Blackberry Corporation		
Bureau Veritas	<a href="#">Stewart, Jonathan</a>	Vacant
CISCO Systems		
Dell Inc.	<a href="#">Worley, Richard</a>	Vacant
Ericsson AB	<a href="#">Bazhanov, Vladimir</a>	
ETS – Lindgren	<a href="#">Chen, Zhong</a>	
Federal Communications Commission	<a href="#">Silberberg, Jeffrey L</a>	<a href="#">Jones, Steve</a>
Food and Drug Administration		
ISED Canada	<a href="#">Nixon, Jason</a>	
Information Technology Industry Council	<a href="#">Hirvela, John</a>	
IEEE – EMC Society	<a href="#">Norgard, John</a>	
Liberty Labs		<a href="#">Potts, Nate</a>
Motorola Mobility		Vacant
Motorola Solutions	<a href="#">Zakharia, Deanna</a>	Vacant
National Institute of Standards & Technology	<a href="#">Young, William</a>	
Northwest EMC		
PCTEST Engineering Laboratory		<a href="#">Ward, Dennis</a>
Qualcomm Technologies, Inc.		
Society of Automotive Engineers		
SPAWAR - US Navy	<a href="#">Dilay, Chris</a>	<a href="#">Wojtaszek, Tomasz</a>

Telecomm. Certif. Body (TCB) Council	<a href="#">Wall, Art</a>	
TÜV SÜD America, Inc.		
UL-LLC	<a href="#">DeLisi, Bob</a>	
US Department of Defense - Joint Spectrum Ctr.	<a href="#">Shellman, Marcus</a>	<a href="#">Duncanson, Michael</a>
<b>Individual Members:</b>		
INDIVIDUAL Member	<a href="#">Hoolihan, Daniel</a>	None
INDIVIDUAL Member	<a href="#">Lichtig, John</a>	None
INDIVIDUAL Member		None
INDIVIDUAL Member	<a href="#">Zimmerman, Dave</a>	None
INDIVIDUAL Member	<a href="#">Berger, Stephen</a>	None
INDIVIDUAL Member	<a href="#">Heirman, Don</a>	None
INDIVIDUAL Member	<a href="#">Sigouin, Dan</a>	None
<b>Emeritus Members:</b>		
MEMBER Emeritus		None
MEMBER Emeritus		None
MEMBER Emeritus		None

**Observers:** Jerry Ramie, Steve Whitesell, Sue Vogel, Doug Kramer, Lisa Perry, Khairul Zainal, Milan Basic

**Quorum:** 30 organizations + 7 individual members = 37 total. A quorum is 50% +1; which is 19 or more members in attendance. Quorum was achieved with 28 members attending the meeting.

**1.2 Single votes** - We discussed "single votes" under paragraph 8.6.2 of our procedures. Mr. Heirman moved to allow Mr. Hodes to have two votes today, seconded by Ed Hare. The motion passed.

## 2. Approval of the Agenda

**2.1 Approval of agenda - Chair** - The [draft agenda](#) was shown line-by-line. Mr. Heirman moved to accept it, seconded by Mr. Hare. The Agenda was approved as presented.

**2.2 Presentation of [C63® Patent Slide Set](#) - Ramie** - The patent slides were shown and no patent issues were raised.

## 3. Chairman's Report – Hoolihan

**3.1 General** - awards were given for C63.16, C63.26, and C63.12 plus ancillary efforts.

**3.2 FCC Interactions** - FCC docket 1344 published. SC8 filed comments (steering minutes) C63.26 received comments from industry, with recommended adoption. We recommended to the FCC in March that they adopt C63.26 and incorporate it by reference into the FCC Rules.

**3.3 Standards published since 2013** - a summary table was shown.

**3.4 Membership - vote on HIA** - Mr. Berger noted that HIA represents 90% of the hearing aid manufacturers in the US. He moved to approve the [HIA membership application](#), seconded by Mr. Heirman. The membership application was shown and the Motion was approved by voice vote.

**4. Vice-Chairman's Report - Sigouin** – Mr. Sigouin suggested we may want to discuss adding a fifth day to our series of meetings as we have new working groups and a new subcommittee.

## 5. Secretary's Report – Ramie

**5.1 Minutes of the last Meeting (November - 2015) – Ramie** - the minutes were [approved](#) by acclamation

## 5.2 Summary of Interpretation Requests since last meeting – Ramie

12/16/2015 Yujiro Seki	ncal@ips-emc.co.jp	C63.4 (2014) Clause 5.5.1 Absorber height
1/20/2016 Luis Carrion	lcarrion@cenam.mx	C63.5 (2006) Annex A.A.1 formula
2/12/2016 Dietmar Leugner	Dietmar.Leugner@rohde-schwarz.com	C63.4 (2014) Double ridge horn aperture
3/2/2016 Doug Schlam	doug.schlam@hp.com	C63.4 (2014) Annex N.4.3 Use of attenuators
3/24/2016 Ehav Ever	ever@hp.com	C63.4 (2014) Clause 4.4 & 5.6 In-situ LISN use
5/4/2016 Werner Schaefer	wernerschaefer@comcast.net	C63.4 (2014) Clause 5.4.1 & 5.4.2 RSM / NSA
5/7/2016 Charles Wang	w0930901091@gmail.com	C63.5 (2006) Annex H Antennas for NSA
5/7/2016 Charles Wang	w0930901091@gmail.com	C63.4 (2014) Clause 4.5 Horn antenna aperture
5/7/2016 Charles Wang	w0930901091@gmail.com	C63.4 (2014) Annex D.3 Horizontal polarization

## 5.3 Electronic Motions since last meeting - Ramie

SC4 formation was approved and Art Wall elected Chair  
Election of Don Heirman as SC3 Chair  
ACS membership was approved  
Approval of new C63 procedures  
Ericsson membership was approved  
BACL membership was approved  
Vladimir Bhazanov was elected SC7 Chair

6. [Secretariat Report – IEEE – Sue Vogel](#) - a presentation was shown. **AI-21:** Sue will provide the Member Interest category of each member for inclusion in the [C63® members table](#). There was discussion of amendments, such as the Limited Amendment being written under C63.4a. Harry asked if a consolidated version will be available for sale. The amendment would be purchased separately. **AI-22:** Sue will inform the Main Committee if a consolidated version of C63.4 (2014) and C63.4a (201x) will be available. Will titles to amendments have dates and linkage to their associated Standard?

### 6.1 - Status of C63® published standards

#### 6.1.1 Fourth Anniversary standards

#### 6.1.2 Ten-years or older standards

**6.2 – Status of PINS and PINS-C** - Three new PINS have been submitted to ANSI; C63.9, C63.15, and C63.26.

7. **Ad Hoc Committee Report on Revising our C63 Procedures – Ghizzone** - our new procedures are now at ANSI for approval, which is expected shortly. Mr. Hodes moved, seconded by Mr. Hare, to require that electronic ballot results with names be made known to the Members. Mr. Ward felt that the tally should be shared but not the names of the voters. Discussion ensued. The vote was 23 in favor, 1 no, and 4 abstentions. The motion passed. We will now provide the electronic vote tally with Ayes, Nays, Did Not Vote and Abstentions with the names of each valid voter (for Main Committee matters only).

8. **Subcommittee reports** (Brief written reports to include actions needed by C63®, and items of particular interest during SC meetings). **Note:** *Reports should be provided on the [C63 Power Point template](#) and should include Scope, Duties, and Membership for 2016 for each Subcommittee*

- 8.1. **SC1: Measurement and Instrumentation-Chen** - The [SC1 report](#) was shown. The Scope, membership and duties were shown. Mr. Zhong moved, seconded by Mr. Hodes, to accept the scope and membership. The duties were to maintain C63.2, C63.4, C63.4a, C63.5, C63.7, C63.22, C63.23 and C63.25. Zhong moved to accept the duties, seconded by Hodes,

to maintain the Standards shown. The motion passed by acclamation. Individual working group activities were then reviewed.

- 8.2. SC2: Definitions – Dilay** - The [SC2 report](#) was shown with Scope, Duties and Membership roster. Mr. Dilay moved, seconded by Mr. Hodes, to accept the scope, duties and membership as shown. The motion carried. Working group activities were then reviewed.
- 8.3. SC3: International Standardization – Heirman** - The [SC3 report](#) pointed out that SC3 deals with harmonization of Standards outside of C63, referencing other Standards and their references to ours. Poul Andersen was thanked for his contributions to C63.12. The membership rosters, both voting and non-voting, were shown. The scope and duties were shown. Mr. Heirman moved, without need for a second, to accept the Scope, Duties and Rosters as shown. The motion passed by acclamation.
- 8.4. SC4: Wireless and ISM Equipment Measurements - Wall** - The [SC4 report](#) noted that SC4 deals with wireless and ISM equipment. The membership roster from the SC4 roster page was shown and reaffirmed at their recent meeting. The list of Standards addressed under SC4 was reviewed. Mr. Wall moved to improve the clarity of the Scope of SC4. Both versions of the Scope were shown.

**Current Scope:**

*Subcommittee 4 provides the technical expertise and resources necessary for developing and maintaining standards documents for measurements of wireless and ISM equipment*

**Revised Scope:** (approved by SC4)

*Subcommittee 4 is responsible for writing and maintaining existing and proposed C63® standards for wireless and ISM devices (lighting, wireless power transfer, Industrial and dielectric heaters, and similar equipment), as assigned by the Main Committee ASC C63®.*

*Duties include maintaining and managing working groups*

The revised Scope was read aloud, including the Duties. A Motion was made by Mr. Wall to approved the Scope, Duties and Membership of SC4. No second was required. The motion carried by voice vote. The second Motion by Mr. Wall (from SC4) was to submit a new [PINS for C63.26 Second Edition](#) to ANSI for publication and approval. The new C63.26 draft PINS form was reviewed. Mr. Long pointed out that accreditation bodies were not stakeholders and asked that they be removed, which was done. The motion passed. **AI-23:** Sue Vogel to copy the new C63.26 PINS content as shown into the ANSI on-line form. We will not be filing reply comments on the C63.26 public notice. Dan will send an e-mail to our attorneys to this effect.

- 8.5. SC5: Immunity testing – Whitesell** - The SC5 roster, scope and duties to maintain four Standards were shown in the [SC5 report](#). Mr. Whitesell moved, without need for a second, to accept the Scope, Duties and Rosters as shown. The motion carried on a voice vote. Individual working group activities were reviewed. Mr. Whitesell moved to approve, without need for a second, the [PINS for C63.9](#) as shown. Slight editorial changes were implemented. Mr. Whitesell moved to accept the PINS for C63.9 as shown. The motion carried. Mr. Whitesell moved to approve the [PINS for revising C63.15](#) as shown. Slight editorial changes were implemented. The motion carried. Mr. Whitesell noted that C63.16 has been published. The core working group members were shown. C63.24 project status was reviewed.
- 8.6. SC6: Laboratory Accreditation – Long** - Mr. Long showed the [SC6 report](#). A slight change in Scope was proposed. One working group was shown, along with a Membership roster. Mr. Long moved to approve the Scope, Duties and Membership of SC6. Since the Motion came from the SC, no second was needed. There was no discussion. The motion carried on a voice vote.. The C63.8 (WG4) status was shown. The [Liasion report from the FCC](#) was listed, along with [ANAB status reports](#). A summary of Action Items was then shown,

including a new attendance spreadsheet.

- 8.7. **SC7: Unlicensed Personal Comm. Services – Bazhanov** - The [SC7 report](#) was shown, including Scope, Roster and Duties. **AI-24:** Jerry to add Dave Case of Cisco to the SC7 roster page. The C63.27 title and membership roster was shown. Up to 91 members participate now.

The project status was presented. Mr. Bhazanov moved to request the formation of a balloting group for the C63.27 draft Standard. The motion was seconded and carried on a voice vote. Mr. Bhazanov then moved to submit the draft C63.27 Standard to the Main committee for review, comment and approval for ballot. The motion carried. Sue Vogel asked how long the Main Committee will take to review the document? **AI-25:** Mr. Bhazanov to provide the C63.27 draft Standard to Mr. Ramie for circulation to the Main Committee for review and comments. Mr. Bhazanov also moved that the Main Committee review of C63.27 and the formation of the balloting group be done in parallel. The motion was seconded and carried on a voice vote. Mr. Bhazanov moved to accept the Scope, Duties and Membership as shown. (C63.27 and C63.17 are the duties). Since the Motion came from the subcommittee, no second was necessary. The Motion carried unanimously on a voice vote.

- 8.8. **SC8: Medical Equipment Testing – Berger** - The [SC8 report](#) showed their Scope, Duties and Rosters. Mr. Berger moved to accept the Scope, Duties and Roster for another year. Two SC8 Standards were discussed, which are the duties. The motion carried on a voice vote. Jeff Silberberg discussed interference reports about nerve stimulators, defibrillators and other implantables. He receives 1,000 EMI reports per year. Many are related to people walking through inventory control "gates."

\*\*\*\*\* Lunch Break \*\*\*\*\*

## 9. New Business

- 9.1. **Proposal to change standards revision process – Schaefer** - Mr. Hoolihan thought that the Working Group Chairs should check to see if their work impacts other Standards. Mr. DeLisi agreed in the Steering Committee meeting to develop and populate a matrix of potential impacts between our C63 Standards. Don Heirman pointed out that we can use complimentary copies of our Standards for this purpose by requesting them from Sue Vogel of IEEE.
- 9.2. **New PINS-C - Heirman** - Mr. Heirman and Mr. DeLisi have generated a new PINS-C form for our review. We used to use the same form for both, but confusion was the result. The new [PINS-C draft form](#) looks much different. Mr. Heirman pointed out the keyword and definition features of the document. Multiple "project intent" selections were shown. Mr. Heirman moved to accept this new PINS-C form. Mr. Hare seconded the motion. Discussion ensued. The motion carried unanimously on a voice vote..
- 9.3. **Dated vs. Undated Standards - Hoolihan** - Mr. Hoolihan proposed that a task group be formed to examine this issue, chaired by Mr. Sigouin. Mr. Sigouin noted that they want three members who favor undated Standards and three that do not to write two white papers for review by the Main committee. Mr. Silberberg noted that there are advantages to each approach. Lisa Perry of IEEE commented on undated Standards that do not require updates in citations. If we are citing a specific part of a Standard, it must have a date. There is no reference to transition dates. Mr. Heirman pointed out that our Standards are voluntary and users choose when to implement them. Mr. Chen asked if a reference is undated, is that referring to the most recent version? Mr. Hodes noted that that was the case. Please submit your request to belong to this task group to Mr. Sigouin, indicating your views on this topic. Mr. Hodes moved, seconded by Mr. Delisi, to require a date to complete the reports. Discussion ensued. Mr. O'Dwyer proposed a friendly amendment of a status report in 45 days and a final pair of reports in 90 days. The motion passed with one negative vote from Mr. Hirvela. **AI-26:** An invitation to join this "Standards Date" task group will be sent to the voting Members of C63

by Mr. Sigouin, copying Lisa Perry.

Mr. Hodes moved to inquire with IEEE and ANSI regarding effective (transition) dates. Mr. Ward seconded. The motion carried. **AI-27:** The Chair asked Lisa Perry to look into the existence of a transitional period for normative matter.

- 9.4. New [PINS for C63.4a](#) - Chen** - The new C63.4a draft PINS was shown. Slight editorial changes were implemented. (the sender is now IEEE) Mr. Chen moved to approve the PINS shown, seconded by Mr. Heirman. The motion carried unanimously.

## 10. Other Administrative Matters

- 10.1. Web Page – Ramie** - submit all edits as a URL and corrected content, with any changes noted in red. Try to avoid wordy instructions that will be misunderstood.
- 10.2 Administrative matters from the Steering Committee** - the trademark has been renewed until 2017

## 11. Other Business

**11.1 Future Seminars and Workshops – Heirman** - The [Education Report](#) was shown by Mr. Heirman. The workshop offerings for this year were shown, Shenzhen and Ottawa. He asked that our Members circulate this information. All members should visit the C63 website for current information on [workshops](#). Future topics and tentative locations for our workshops were shown.

**11.2 Newsletter report – Zimmerman** - The [newsletter report](#) was given by Mr. Hoolihan. We want to distribute the May 2016 meeting/newsletter our Committee booth at the Ottawa EMC Symposium.

**11.3. Next meeting – November 7-10, 2016 (Costa Mesa)** Mr. Hodes suggested longer days with a break until 7:00PM or later. **AI-28:** Mr. Chen and Mr. Hodes to contact Sue Vogel regarding VNA scripts as intellectual property or "work product" for copyright purposes.

## 12. Old Business

### 12.1 Action item review – as time permits - Secretary

Consolidated Action Items from Main Committee Meeting 11/12/15<sup>1</sup>

Action Item #	Subject	Responsible Person	Status	Delivery Date	Comments
<b>AI-94:</b>	Steering committee to respond to Mr. Schaefer's submission about dated references	C63@ Steering Committee	<b>Closed</b>	5/12/16	
<b>AI-11:</b>	Mr. Hoolihan to propose changes in our standards revision process in response to <a href="#">Mr. Schaefer's input</a>	Mr. Hoolihan	<b>Closed</b>	5/12/16	
<b>New Action Items</b>					
<b>AI-12:</b>	Jerry to re-title patent slide link on our <a href="#">Stds Development page</a> to " <a href="#">C63 Patent Slide Set</a> "	Jerry Ramie	<b>Closed</b>	5/12/16	Changed 11/20
<b>AI-13:</b>	Jerry to change the text in our <a href="#">Status of Standards Matrix</a> to reflect the suspension of work on-	Jerry Ramie	<b>Closed</b>	5/12/16	Changed 11/20

<sup>1</sup> Consolidated (re-numbered) action items are included here for reference, but are not a part of the minutes.

	C63.11 and depopulate the roster				
AI-14:	Each subcommittee chair should look over their <a href="#">Interpretations</a> to see if they need to be converted to an Amendment or Corrigenda (called a "limited revision" under ANSI rules)	All Subcommittee Chairs	Open	5/12/16	
AI-15:	Mr. Wall to solicit members for SC4 from the Main Committee and associated working groups	Art Wall	Closed	5/12/16	
AI-16:	Mr. Hare to revisit the reply comments for the FCC with his task force	Ed Hare	Closed	5/12/16	
AI-17:	Jerry will have the new SC4 landing page and roster page generated by Ms. Archambeault	Jerry Ramie	Closed	5/12/16	Posted 11/27
AI-18:	Jerry to have Ms. Archambeault add an SC4 link to that landing page on the <a href="#">Subcommittees page</a>	Jerry Ramie	Closed	5/12/16	Posted 11/27
AI-19:	Jerry to have Ms. Archambeault generate an SC4 private area and insert a link to it on the <a href="#">Members Area</a> page and provide the FTP and Browsing credentials needed for access	Jerry Ramie	Closed	5/12/16	Posted 11/27
AI-20:	Jerry to send an e-mail to voting Members asking for further ideas for educational meeting venues	Jerry Ramie	Closed	5/12/16	Sent 11/28

**13. Financial Report - Chair** - The Chair showed a brief [financial report](#) on our 2015 accounts. There was roughly \$90k of income and expenses of \$95k last year.

**14. Adjournment** - Many thanks to Sue Vogel for her help with this meeting. The meeting was adjourned at 2:12PM-EDT.

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

**Consolidated Action Items from Main Committee Meeting 5/12/16<sup>2</sup>**

Action Item #	Subject	Responsible Person	Status	Delivery Date	Comments
AI-14:	Each subcommittee chair should look over their <a href="#">Interpretations</a> to see if they need to be converted to an Amendment or Corrigenda (called a "limited revision" under ANSI rules)	All Subcommittee Chairs	Open	11/10/16	
<b>New Action Items</b>					
AI-21:	Sue will provide the Member Interest category of each member for inclusion in the <a href="#">C63® members table</a>	Sue Vogel	Open	11/10/16	
AI-22:	Sue will inform the Main Committee if a consolidated version of C63.4 (2014) and C63.4a (201x) will be available	Sue Vogel	Open	11/10/16	
AI-23:	Sue Vogel to copy the new C63.26 PINS content as shown	Sue Vogel	Open	11/10/16	

<sup>2</sup> Consolidated (re-numbered) action items are included here for reference, but are not a part of the minutes.

	into the ANSI on-line form				
AI-24:	Jerry to add Dave Case of Cisco to the SC7 roster page	Jerry Ramie	Closed	11/10/16	Added 6/28
AI-25:	Mr. Bhazanov to provide the C63.27 draft Standard to Mr. Ramie for circulation to the Main Committee for review and comments	Vladimir Bhazanov	Closed	11/10/16	Draft provided & circulated
AI-26:	An invitation to join this "Standards Date" task group will be sent to the voting Members of C63 by Mr. Sigouin, copying Lisa Perry.	Dan Sigouin	Open	11/10/16	
AI-27:	The Chair asked Lisa Perry to look into the existence of a transitional period for normative matter.	Lisa Perry	Open	11/10/16	
AI-28:	Mr. Chen and Mr. Hodes to contact Sue Vogel regarding VNA scripts as intellectual property or "work product" for copyright purposes	Zhong Chen Harry Hodes	Open	11/10/16	

### Attachments from Main Committee Meeting 05/12/16<sup>3</sup>

Agenda Item #	Description	Filename
2.1	Draft agenda	<a href="http://www.c63.org/documents/misc/minutes/2016_May/20160512_DRAFT_Main_Agenda.doc">http://www.c63.org/documents/misc/minutes/2016_May/20160512_DRAFT_Main_Agenda.doc</a>
2.2	Patent slides	<a href="http://www.c63.org/documents/misc/patents/C63_Patent_Call_slideset_final_1.pdf">http://www.c63.org/documents/misc/patents/C63_Patent_Call_slideset_final_1.pdf</a>
3.4	HIA Membership application	<a href="http://www.c63.org/documents/misc/minutes/2016_May/C63%20Application%20HIA%202016.pdf">http://www.c63.org/documents/misc/minutes/2016_May/C63%20Application%20HIA%202016.pdf</a>
5.0	Approved Minutes of previous meeting	<a href="http://www.c63.org/documents/c63/approved_minutes/Approved_Main_Minutes_Nov_2015.pdf">http://www.c63.org/documents/c63/approved_minutes/Approved_Main_Minutes_Nov_2015.pdf</a>
6.0	Secretariat Report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/C63_May_2016%20Secretariat%20Update.ppt">http://www.c63.org/documents/misc/minutes/2016_May/C63_May_2016%20Secretariat%20Update.ppt</a>
8.0	Slide Template	<a href="http://www.c63.org/pw/c63/C63_PowerPoint_template.ppt">http://www.c63.org/pw/c63/C63_PowerPoint_template.ppt</a>
8.1	SC1 Report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/SC1%20update.ppt">http://www.c63.org/documents/misc/minutes/2016_May/SC1%20update.ppt</a>
8.2	SC2 Report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/SC2_Report_to_Main_Committee_20160512_Rev0.pptx">http://www.c63.org/documents/misc/minutes/2016_May/SC2_Report_to_Main_Committee_20160512_Rev0.pptx</a>
8.3	SC3 Report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/C63_Subcommittee%203%20report%20to%20C63.ppt">http://www.c63.org/documents/misc/minutes/2016_May/C63_Subcommittee%203%20report%20to%20C63.ppt</a>
8.4	SC4 Report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/SC-4%20report%205-12-16.ppt">http://www.c63.org/documents/misc/minutes/2016_May/SC-4%20report%205-12-16.ppt</a>
8.4	C63.26 second Ed. PINS	<a href="http://www.c63.org/documents/misc/minutes/2016_May/PINS-C%20C63.26_May_Revisions-clean%205-12-16.doc">http://www.c63.org/documents/misc/minutes/2016_May/PINS-C%20C63.26_May_Revisions-clean%205-12-16.doc</a>
8.5	SC5 Report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/SC5%20Report%20to%20Main%20Committee%2020160512.ppt">http://www.c63.org/documents/misc/minutes/2016_May/SC5%20Report%20to%20Main%20Committee%2020160512.ppt</a>
8.5	C63.9 PINS	<a href="http://www.c63.org/documents/misc/minutes/2016_May/C63.9%20PINS%20May%202016%20-%20SC5%20Recommended.doc">http://www.c63.org/documents/misc/minutes/2016_May/C63.9%20PINS%20May%202016%20-%20SC5%20Recommended.doc</a>
8.5	C63.15 PINS	<a href="http://www.c63.org/documents/misc/minutes/2016_May/C63%2015%20PINS%20May%202016%20SC5%20Recommended.doc">http://www.c63.org/documents/misc/minutes/2016_May/C63%2015%20PINS%20May%202016%20SC5%20Recommended.doc</a>
8.6	SC6 Report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/FCC%20Update%20April%202016.pptx">http://www.c63.org/documents/misc/minutes/2016_May/FCC%20Update%20April%202016.pptx</a>
8.6	FCC Liaison report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/FCC%20Update%20April%202016.pptx">http://www.c63.org/documents/misc/minutes/2016_May/FCC%20Update%20April%202016.pptx</a>
8.6	ANAB status report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/20160510%20C63%20SC6%20Report%20by%20ANAB.ppt">http://www.c63.org/documents/misc/minutes/2016_May/20160510%20C63%20SC6%20Report%20by%20ANAB.ppt</a>
8.7	SC7 Report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/C63%20SC7%20-%202016%20Report%201%20-%20160512%20-%20v2.pptx">http://www.c63.org/documents/misc/minutes/2016_May/C63%20SC7%20-%202016%20Report%201%20-%20160512%20-%20v2.pptx</a>
8.8	SC8 Report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/Main%20Committee%20Report%20-%20SC8%202016-05-12%20v2.ppt">http://www.c63.org/documents/misc/minutes/2016_May/Main%20Committee%20Report%20-%20SC8%202016-05-12%20v2.ppt</a>
9.2	New draft PINS-C form	<a href="http://www.c63.org/documents/misc/minutes/2016_May/Latest%20DRAFT%20-%20PINS-C%20Form%202016May16.docx">http://www.c63.org/documents/misc/minutes/2016_May/Latest%20DRAFT%20-%20PINS-C%20Form%202016May16.docx</a>
11.1	Education & Training report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/May%202016%20C63%20education%20report.ppt">http://www.c63.org/documents/misc/minutes/2016_May/May%202016%20C63%20education%20report.ppt</a>
11.2	2015-Oct. Newsletter	<a href="http://www.c63.org/documents/c63/newsletters/C63_Newsletter_Oct_2015_39_Final.pdf">http://www.c63.org/documents/c63/newsletters/C63_Newsletter_Oct_2015_39_Final.pdf</a>
13.0	Financial Report	<a href="http://www.c63.org/documents/misc/minutes/2016_May/Copy_of_C63_Income_statement_2015_Jan_Dec.xlsx">http://www.c63.org/documents/misc/minutes/2016_May/Copy_of_C63_Income_statement_2015_Jan_Dec.xlsx</a>

<sup>3</sup> Attachments are not a part of the meeting minutes. They may be downloaded from the [Last Meeting Minutes](#) page of the [C63.org](#) website.