C63®

ANSI-Accredited Standards Committee C63®
Electromagnetic Compatibility
Chair: Dan Hoolihan
Secretary: Jerry Ramie

November 14, 2013 – 8:30 am to 3:30 pm
UL-LLC – Northbrook, Illinois

Approved Meeting Minutes

1. **Call to Order – Hoolihan, Chair –** called the meeting to order at 8:37AM-CST

   1.1.   **Introductions (roll call) - Ramie, Secretary**

MEMBER	PRIMARY	ALTERNATE
ACIL	Hodes, Harry	
Alcatel – Lucent	Moongilan, Dheena	Vacant
Apple, Inc.		
ARRL – The National Assoc. for Amateur Radio	Hare, Ed	
Bureau Veritas		
CISCO Systems		
Dell Inc.		Vacant
ETS – Lindgren	Chen, Zhong	
Federal Communications Commission		Vacant
Food and Drug Administration	Silberberg, Jeffrey L	
Industry Canada	Sigouin, Dan	Vacant
Info. Tech. Industry Council – ITIC		
IEEE – EMC Society		Vacant
Motorola Mobility	Knipple, Tom	Vacant
Motorola Solutions	Elliott, William [Mac]	
Nt't Institute Standards & Tech.- NIST	Camell, Dennis	Vacant
Northwest EMC	Ghizzone, Dean	Kiemel, Greg
PCTEST Engineering Laboratory		Ward, Dennis
Blackberry Ltd.	Attayi, Masud	
Society of Automotive Engineers	Andersen, Poul	
Sony Ericsson Mobile Communications		Vacant
SPAWAR - US Navy	Dilay, Chris	Southworth, Dave
TIA - Telecomm. Industry Association	Whitesell, Stephen	Vacant
Telecomm. Certif. Body (TCB) Council	Wall, Art	
TÜV SÜD America, Inc.		Schaefer, David
UL LLC	DeLisi, Bob	

US Dep't. Defense - Joint Spectrum Ctr.		Duncanson, Michael
Individual Members:		
INDIVIDUAL Member	Hoolihan, Daniel	None
INDIVIDUAL Member		None
INDIVIDUAL Member		None
INDIVIDUAL Member	Zimmerman, Dave	None
INDIVIDUAL Member	Berger, Stephen	None
INDIVIDUAL Member	Heirman, Don	None
Emeritus Members:		
MEMBER EMERITUS		None
MEMBER EMERITUS		None
MEMBER EMERITUS	Hofmann, H. R. (Bob)	None

Observers: Mike O'Dwyer, Jerry Ramie, Pat Roder, Beth Hackett, Randy Long, Brad Moore, Khairul Zainal, Victor Kuczynski and Janet O'Neil.

Quorum: 27 organizations + 6 individual members = 33 total. A quorum is 50%; which is 17 or more members in attendance. Quorum was achieved with 23 members attending the meeting.

- **1.2.** **Announcements – Hoolihan –** Thanks to Mr. DeLisi and Mr. Fitzgerrald for their hospitality at UL-LLC. A request went out to the attendees for our Fall, 2014 venue. We need meeting space, host luncheon, hotel space, etc.
- **1.3.** **Electronic Motions since last meeting – Hoolihan -** none
- **1.4.** **Other Issues – Memorial to Ralph Showers –** Heirman showed a presentation honoring Dr. Showers.
- **1.5.** **Vice-Chair Nomination – Hoolihan –** The Chair noted that we require a Vice-Chair, which is an open position. That person would serve until the end of 2014. At that time, other candidates could be nominated. The floor was opened for nominations. Mr. Heirman moved, seconded by Mr. Hodes, to nominate Mr. Sigouin for the one-year term. The vote was unanimous to approve his election to Vice Chair.

2. Approval of the Agenda

- **2.1** **Approval of agenda - Hoolihan –** agenda was approved by consensus
- **2.2** **Presentation of patent slides – Ramie –** the slides were shown.

3. Membership Report – Hoolihan - Liberty Labs – the Membership Committee proposed adding Liberty Labs as a Member. Mike Howard is the Primary Representative candidate. Acceptance was unanimous.

4. Secretary's Report – Minutes of the last Meeting (MAY - 2013) – Ramie
Mr. Ramie showed the Draft Main Committee Minutes from May, 2013 in a page by

page manner. After the review was completed, Mr. Hare moved to approve the minutes; the Motion was seconded by Mr. Heirman. The voice vote was unanimous.

5. **Secretariat Report – Roder –** The Status of our Standards was shown in a presentation. One PINS was withdrawn for C63.20. e New PINS for C63.7 & C63.12 were shown, along with a name change for C63.26. The C63.5 ballot had failed due to a large number of non-responses. Mr. Hodes asked if we needed to expand the ballot pool. There were 26 individuals that expressed interest in balloting, but, only 20 responses were received. It would have been better if those six individuals had returned their ballots as "Abstain" rather than not responding. The Chair noted that non-responses hurt our efforts to move documents forward. Mr. Hofmann asked that this be stated in the ballot instruction cover letter. It was not clear if failure to vote would cause the balloter to be removed from further ballots. Status of active PINS was shown. Mr. Hodes asked if the PINS expire when a Standard is published. The Chair noted that comments on PINS are extremely rare and the PINS expire upon publication of the standard. C63.17 was recently published and ANSI removed it, so ANSI appears to delete the PINS upon publication. AI-67: Pat Roder to confirm the deletion of the PINS upon publication.

6. **Ad Hoc Committee Report on the C63 reply to FCC NPRM –** Andy Griffin was the ad-hoc committee Chair, with comments due by July 31, 2013.

   6.1. **Motion to recommend use of latest versions of C63.10 and C63.17 to the FCC –** A discussion was opened to the floor. Mr. Wall moved that these two Standards be recommended for adoption by the FCC. Seconded by Mr. Berger. Discussion ensued. Mr. Wall had reservations about this and felt that the submittal to the FCC may be viewed as "politically active." Mr. Wall mentioned that his comments do not represent the TCB Council, or its members. While he agreed that we all want the FCC to incorporate C63® Standards into their rules by reference, he believes this can be accomplished without filing comments in an open proceeding. We want the FCC to adopt these Standards, how we "advertise" this is the question. There is an active proceeding in the FCC for adoption of the latest C63® documents. The Chair approached Mr. Hurst about using the latest 2013 versions of these two Standards. Mr. Hurst thought that it would be acceptable and encouraged such communication. The Chair noted that we will use our attorney for advice on how to approach the Commission. Mr. Berger felt that we shouldn't let the attorney tell us what we think. He added that "we support the latest version since we created it." Mr. Hodes thought that we should state that our earlier petition has been superseded by the passage of time, such that we now recommend our newest versions to correct "technical details." "Newer is better." The Chair thought that we should circulate our lawyer's draft to the Steering Committee if this motion passes. Mr. Wall pointed out that at least one manufacturer has taken advantage of the use of C63.10-2013. The motion passed by voice vote. Mr. Wall was in opposition. No abstentions were noted.

7. **Ad Hoc Committee Report on Revising Clause 11 of our procedures – Sigouin –** A PDF document was shown. All Main Committee members will receive a copy of

this document in the next few weeks. The Chair encouraged us to use electronic balloting of this document to attain approval this calendar year. There were still concerns about how we would present normative changes on the website. There will be an opportunity for all Members to comment or amend this document.

8. **Task Force Report on revising our C63 Procedures – Ghizzone –** He proposed that we define which specific sections or pieces we want to change. He thought that a formal presentation could be ready in a year, which is six months to define the project and one year to do the work. The Chair noted that Clause 11 is most important right now. Next year we can concentrate on the rest of our procedures. Mr. Whitesell noted that TIA separated their manual into ANSI essentials and operational procedures that ANSI did not have concerns about.

9. **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 Power Point slide(s) to be used as an attachment to the Minutes and input to the Newsletter*

   9.1. **SC1: Measurement and Instrumentation - Chen –** A presentation was shown. The Scope was presented from the SC1 web page. Two new members were added, Mr. Samoto and Mr. Zainal. Working group updates were given in the presentation.

   C63.4 was balloted in August, 2013. The third recirculation ballot subjects were shown. All comments were addressed. A new PINS to cover many of these items and will be shown later in the meeting. Mr. Chen, as SC1 Chair, moved to request that C63.4 final comment resolutions be circulated to the balloting group and subsequently moved to publication. The motion passed by voice vote without opposition.

   C63.5 revisions were processed up to Revision D. C63.5 did not pass the majority requirement. Six ballots were not returned. The plan is to compile comments and develop responses and recirculate the ballot in February, 2014. The six people that didn't respond still have full rights on the second ballot. Approvals carry forward if they voted positive. The current draft will be updated to current IEEE formatting. The C63.16 and C63.10 working groups met on 11/11 and 11/12. 28 attendees and 9 observers were present. C63.10-2013 was published 9/13/13. A new draft of C63.26 will be compiled by the end of January, 2014 and balloted within SC-1.

   C63.7 has a new PINS. A Working Group was formed by Don Heirman, including Bob Hofmann, Harry Hodes, Cooper LaFond and Ray Klouda. An initial draft is being circulated within the working group.

   Mr. Chen moved to approve the PINS to change the title of the C63.26 document to "Compliance Testing of Transmitters used in Licensed Radio Services." No second was required. Discussion ensued. The motion carried by voice vote. (Note: No PINS was required to change the title)

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Mr. Chen moved to approve two new members for SC-1, Mr.Samoto and Mr. Zainal. There was no discussion, the motion carried by voice vote.

9.2. **SC2: Definitions – Shellman –** Mr. Dilay showed a presentation with the scope statement. A grammatical/spelling error was detected in this text. The membership roster did not include the new SC-1 Chair, Mr. Chen. AI-68: Mr. Ramie to correct SC2 roster to eliminate grammatical error in the Scope and replace Mr. Camell with Mr. Chen.

The SC-2 Working Group 1 report is complete and ready for circulation. A motion was made to circulate the C63.14 draft to the Main Committee for review. No second was required. Discussion ensued. The motion was carried by voice vote.

A motion was made to submit the C63.14 draft to the IEEE Secretariat in order to form a balloting group. The motion passed by voice vote. The newsletter input text was also shown.

9.3. **SC3: International Standardization – Andersen –** A presentation was given showing that SC-3 activity has centered on reviewing eight C63$^{®}$ documents, with C63.27 added at this meeting. They are awaiting publication before analyzing another six documents.

C63.12 was updated during a web meeting on November 26. Substantial changes have been made, requiring the generation of a clean version. The title is changing with the approval of a new PINS to read: "Recommended Practice for Electromagnetic Compatibility Limits and Test Levels." They are looking for more current documents that are relevant, as some existing documents being referenced are 30 years old. Mr. Heirman asked that the Bibliography be circulated to the Main Committee. AI-69: Mr. Andersen to circulate the C63.12 bibliography to the Main Committee for comments and additions. Mr. Andersen moved that a new PINS be approved to read: "American National Standard - Recommended Practice for Electromagnetic Compatibility Limits and Test Levels" (the last three words were added to the previous title) No second was required. Discussion ensued. The motion was carried by voice vote.

Review of C63.23 is now complete. Mr. Andersen moved to ask that the Main Committee make a decision on recommending to the US-TAG for CISPR-SC-A that the content of C63.23 be proposed for incorporation into CISPR 16-4-2. No second was required. The motion carried by voice vote.

9.4. **SC5: Immunity testing – Whitesell –** Mr. Whitesell gave a presentation showing the status of Standards and projects. Ad Hoc group reports were also shown. Issues with immunity testing in ANSI C12.1 were summarized in a report and delivered to C12.1 and SGIP-EMII working groups at their meeting earlier this year. The Chair appointed Mr. Whitesell as Chair, Mr. Hare as Vice-Chair and Mr. Ramie as Secretary for another three year term. AI-70: Jerry to modify the dates on the SC5

roster web page to add another three years for Chair, Vice-Chair and Secretary.

The criteria for the continuation of subcommittee memberships were shown. A proposal was made to address this criterion with a report to the steering committee. SC-1 was cited as a model criterion.

9.4.1.1. Appointment of Steve Whitesell as SC-5 chair for 3 more years
– Mr. Whitesell, Mr. Hare and Mr. Ramie were appointed for another three years, subject to approval by the Main Committee Mr. Ward moved, seconded by Mr. Hare that a vote be taken to confirm all appointments per ANSI procedures. All appointments were approved by voice vote. Mr. Hodes abstained

9.5. **SC6: Laboratory Accreditation – Gouker –** Mr. Long showed a [presentation](#) on the work of WG#3 and WG#4. Status reports were received from the FCC, NACLA and several Accreditation Bodies. The new business was to provide the top 10 deficiencies that are specific to C63® Standards.

Draft Standards C63.8 and C63.11 will be finished and presented to the Main Committee in May of 2014. AI-71: Mr. Zimmerman to provide updated SC-6 rosters to Mr. Ramie for posting.

9.6. **SC7: Unlicensed Personal Comm. Services – Berger –** The most active project is C63.27. AAMI has started a wireless task force and the work will be coordinated with C63.27 for test methods. That committee is open for new members.

C63.17 raised questions about "ultra low energy" wireless testing. Seth Seidman and Bill Young were appointed as Vice Chair and Secretary of SC-7 pending approval by the Main Committee. Industry Canada will adopt C63.17 in its entirety. AI-72: Mr. Hoolihan to request a written SC-7 report from Mr. Berger.

9.7. **SC8: Medical Equipment Testing – DeLisi –** A [presentation](#) was shown. Total members are 27 without any changes. WG-1 is responsible for C63.18. The document completed review by IEEE editors. A 3-week recirculation ballot under BSR9 will be undertaken.

WG-2 work on C63.19 hearing aid compatibility was updated on slides 5 and 6. ETSI is quoting C63.19 "heavily." It was noted by Mr. Heirman that the IEEE will need to grant permission for such use. Mr. Berger reported that permission was granted three years ago. AI-73: Pat Roder to look for previous permission for ETSI to use the C63.19 text.

Liaison reports were shown on slides 7-11.

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10. New Business

10.1. **Discussion of C63.4 recirculations and the weaknesses of our present Committee Procedures –** We had three recirculation ballots on C63.4, so our present procedures have structural weaknesses in them. Mr. Hodes noted that these recirculation ballots were the result of a few people that were very unhappy and could not be accommodated. "When does the majority say that we're done?" We continue to work on items even though the ballots have passed.

Mr. Hodes then spoke about changes in PINS that are causing delays in publication. The amount of coordination required for large groups is significant. He noted that some written comments have been offensive and have become a form of "character assassination." "Are we going to allow Scopes to be expanded?" He felt that we needed to generate and amend Standards at a much faster rate. Weeks and months are appropriate for this work, not years. If we don't use interpretations in the future, we will need to move much quicker to generate new documents.

Mr. Ward thought our procedures were confusing due to a lack of definitions. He volunteered for Mr. Ghizzone's working group on amending our procedures.

11. Administrative Matters

11.1. **Web Page – Ramie –** AI-74: Jerry to remove "Breaking" under "News."
11.2. **Status of active PINS – Secretary** Ms. Roder showed slides of PINS and a Gantt chart of our process.
11.3 **Status of active PINS-C – Secretary** - An Action Item (AI-56) to update the PINS-C listings on our site for Mr. Heirman, Mr. Hare and Mr. Hoolihan has not been completed.

11.4 **Status of C63® published standards – Secretariat –** See report
    8.5.1 Fourth Anniversary standards
    8.5.2 Ten-years or older standards
11.5 **Any other administrative matters – Awards –** AI-75: Mr. Ramie to bring plaque and other materials received from Mr. Heirman to the next meeting.

12. Other Business

12.1 **Education Report – Heirman –** A presentation was shown that was prepared for the USEMC Standards Corporation Education Committee. Recent activity included classes for the C63.10 (2009 & 2013 editions) and the C63.23 class at the recent EMC Symposium in Denver. Requests were received to repeat the course in California in the first quarter of 2014. It will be held at a test laboratory. A repeat course will also be offered at the Raleigh EMC Symposium as well. In the future, candidate Standards for training could include C63.5, C63.12, C63.16, C63.25 and C63.27. Mr. Kuczynski noted that C63.4 and C63.5 would be good candidates when they are published. AI-76: Voting Members to be solicited by Mr. Ramie for venue, topics, and

which C63® Standards could be the <u>subject</u> of a workshop.

12.2   Newsletter report – Kesselman All prior Newsletters are available on the C63® <u>website</u>. The target date for the next Newsletter distribution is December 19th. All inputs are requested by December 12th.

12.3.   Next meeting – Chair – May 1, 2014 – ETS-Lindgren – Austin (Cedar Park), Texas

12.4   Proficiency Testing – Hodes – ACIL has an accredited PT testing program. The <u>ACIL site</u> has a "PT button" to sign up for such testing.

13. Old Business

13.1   Action item review on items not covered elsewhere on Agenda – as time permits – Secretary

Consolidated Action Items from Main Committee Meeting 05/09/13[1]

Action Item #	Subject	Responsible Person	Status	Delivery Date	Comments
AI-10:	Ed Hare to modify PINS form currently on the site to become a PINS-C form. Mr. Hare should also install a separate website button to access the list of PINS-C forms on file in the public area.	Ed Hare	Open	Next meeting of C63®	
~~AI-11:~~	~~Secretary to post trademark booklet to our web site.~~	~~Jerry Ramie~~	~~Closed~~	~~Next meeting of C63®~~	~~Posted at Steering private area~~
~~AI-13:~~	~~Secretary and Chair to review PINS-C and remove inactive listings from http://www.c63.org/pw/c63/pinsc/~~	~~Ramie, Heirman, Hare Hoolihan~~	~~Closed~~	~~Next meeting of C63®~~	~~There is no information posted on the public website on PINS-C~~
~~AI-38:~~	~~Mr. Hare to remove the News and Workshops sections to blank pages while awaiting new material. Mr. Chen suggested that new interpretations / explanations be linked on the "Breaking News" page.~~	~~Mr Ramie~~	~~Closed~~	~~Next meeting of C63®~~	~~Workshops content was changed 5/16~~
AI-42:	Mr. Hodes to formally ask the Chair to submit a request to the IEEE for LISN and current probe calibration procedures.	Mr. Hodes	Open	Next meeting of C63®	
AI-50:	Working group chairs to look at deleting the frequency ranges in their Standards titles and place it in the scope and report back to Mr. Heirman's working group by e-mail.	vmc63@ieee.org All voting members	Open	Next meeting of C63®	Heirman to resend his October 6, 2012 e-mail to all voting members
~~AI-53:~~	~~Main Members to provide input to Mr. Heirman on their smart grid efforts.~~	~~All members vmc63@ieee.org~~	~~Closed~~	~~Next meeting of C63®~~	~~Don to re-send smart grid slide-set from C63®~~

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[1] Consolidated (re-numbered) action items are included here for reference, but are not a part of the minutes.

					presentation
AI-56:	Old PINS-C will be cleaned by Mr. Hare and Mr. Heirman, a list of active ones will be attached to these Minutes of the meeting	Mr. Hare Mr. Heirman Hoolihan	<mark>Open</mark>	Next meeting of C63®	
~~**AI-58:**~~	~~Mr. Ramie to list award citations on the website to avoid duplication.~~	~~Mr. Ramie~~	<mark>~~Closed~~</mark>	~~Next meeting of C63®~~	
	NEW ACTION ITEMS:				
~~**AI-59:**~~	~~C63® new February Procedures are to be posted to the site in place of the old procedures.~~	~~Mr. Ramie~~	<mark>~~Closed~~</mark>	~~Next meeting of C63®~~	~~Posted 5/16/13~~
~~**AI-60:**~~	~~SC Chairs to submit any new terms for BSR8 and BSR9 review.~~	~~SC Chairs scc63@ieee.org~~	<mark>~~Closed~~</mark>	~~Next meeting of C63®~~	
~~**AI-61:**~~	~~A WebEx meeting for SC3 needs to be scheduled for June 12.~~	~~Mr. Ramie~~	<mark>~~Closed~~</mark>	~~5/18/13~~	~~Date set for 6/17~~
~~**AI-62:**~~	~~The C12.1 task group will meet and provide input to SGIP-EMII and to the C12.1 writing group. This will be a joint task force with SC1 & SC5 to cover emissions & immunity.~~	~~Mr. Ramie Mr. Heirman Mr. Hare Dave Schaefer~~	<mark>~~Closed~~</mark>	~~7/30/13~~	~~Delivered to EMII Working Group on 6/17/13~~
~~**AI-63:**~~	~~Mr. Ramie to add the "informative" statement to our Interpretations/Explanations page.~~	~~Mr. Ramie~~	<mark>~~Closed~~</mark>	~~6/1/13~~	~~Statement provided to Shannon 5/15~~
AI-64:	Mr. Heirman and Mr. Drozd will develop a white paper on computational EMC Standardization for delivery at the Fall meeting in Northbrook.	Mr. Heirman Mr. Drozd	<mark>Open</mark>	Spring 2014 meeting of C63®	
~~**AI-65:**~~	~~Replace our PINS submittal form link on our site with a link to the new ANSI PINS submittal form.~~	~~Mr. Ramie~~	<mark>~~Closed~~</mark>	~~5/17/13~~	~~Sent posting order to Shannon 5/20~~
~~**AI-66:**~~	~~One paragraph of text is required from each SC chair. Due 6/8/13~~	~~SC Chairs~~	<mark>~~Closed~~</mark>	~~6/8/13~~	

14. Adjournment – The meeting was adjourned at 1:04PM-CST

End of Meeting

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Consolidated Action Items from Main Committee Meeting 11/14/13[2]

Action Item #	Subject	Responsible Person	Status	Delivery Date	Comments
AI-10:	Ed Hare to modify PINS form currently on the site to become a PINS-C form. Mr. Hare should also install a separate website button to access the list of PINS-C forms on file in the public area.	Ed Hare	<mark>Open</mark>	Next meeting of C63®	
~~**AI-11:**~~	~~Secretary to post~~ ~~trademark booklet to our web site.~~	~~Jerry Ramie~~	<mark>~~Closed~~</mark>	~~Next meeting of C63®~~	~~Posted in Steering private area~~
AI-42:	Mr. Hodes to formally ask the Chair to submit a request to the IEEE for	Mr. Hodes	<mark>Open</mark>	Next meeting of	

	LISN and current probe calibration procedures.			C63®	
AI-50:	Working group chairs to look at deleting the frequency ranges in their Standards titles and place it in the scope and report back to Mr. Heirman's working group by e-mail.	vmc63@ieee.org All voting members	Open	Next meeting of C63®	Heirman to resend his October 6, 2012 e-mail to all voting members
AI-56:	Old PINS-C will be cleaned by Mr. Hare and Mr. Heirman, a list of active ones will be attached to these Minutes of the meeting	Mr. Hare Mr. Heirman Hoolihan	Open	Next meeting of C63®	
	NEW ACTION ITEMS:				
AI-64:	Mr. Heirman and Mr. Drozd will develop a white paper on computational EMC Standardization for delivery at the Fall meeting in Northbrook.	Mr. Heirman Mr. Drozd	Open	Spring 2014 meeting of C63®	
AI-67	Pat Roder to confirm the deletion of the PINS upon publication	Pat Roder	Open	Spring 2014 meeting of C63®	
~~**AI-68:**~~	~~Mr. Ramie to correct SC2 roster to eliminate grammatical error in the Scope and replace Mr. Camell with Mr. Chen~~	~~Mr. Ramie~~	~~Closed~~	~~11/16/13~~	~~SC2 Scope corrections sent to Shannon. Roster fixed by Jerry.~~
AI-69:	Mr. Andersen to circulate the C63.12 bibliography to the Main Committee for comments and additions	Mr. Andersen	Open	Spring 2014 meeting of C63®	
~~**AI-70:**~~	~~Mr. Ramie to modify the dates on the Officers web page (SC5) to add another three years for Chair, Vice-Chair and Secretary~~	~~Mr. Ramie~~	~~Closed~~	~~11/16/13~~	
~~**AI-71:**~~	~~Mr. Zimmerman to provide updated SC-6 rosters to Mr. Ramie for posting~~	~~Mr. Zimmerman~~	~~Closed~~	~~Spring 2014 meeting of C63®~~	~~Roster provided & posted~~
AI-72:	Mr. Hoolihan to request a written SC-7 report from Mr. Berger	Mr. Hoolihan	Open	Spring 2014 meeting of C63®	
AI-73:	Pat Roder to look for previous permission for ETSI to use the C63.19 text	Ms. Roder	Open	Spring 2014 meeting of C63®	
~~**AI-74:**~~	~~Jerry to remove "Breaking" under "News."~~	~~Mr. Ramie~~	~~Closed~~	~~11/16/13~~	~~Posting order sent to Shannon~~
AI-75:	Jerry to bring plaque and other materials recently received from Mr. Heirman to the next meeting.	Mr. Ramie	Open	Spring 2014 meeting of C63®	
AI-76:	Voting Members to be solicited by Mr. Ramie for venue, topics, and which C63® Standards could be the subject of a workshop.	vmc63@ieee.org All voting members Mr. Ramie	Open	Next meeting of C63®	

Attachments from Main Committee Meeting 11/14/13[3]

Agenda Item #	Description	Filename
1.4	Ralph Showers memorial	http://www.c63.org/documents/misc/minutes/2013_Nov/Ralph_Showers_obit.ppt
2.2	Patent slides	https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt
4.0	Approved Minutes of previous meeting	http://www.c63.org/documents/misc/minutes/2013_Nov/Approved_Main_Minutes_May_2013.pdf

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[3] Attachments are not a part of the meeting minutes. They may be downloaded from the Minutes page of the C63.org website.

5.0	Secretariat Report	http://www.c63.org/documents/misc/minutes/2013_Nov/Secretariat_C63_Slides_v1_20131114.ppt
7.0	Report on Revising Clause 11	http://www.c63.org/documents/misc/minutes/2013_Nov/Interpretations_section_11_r12_MAIN_DS.pdf
9.1	SC1 Report	http://www.c63.org/documents/misc/minutes/2013_Nov/SC1_report_20131114.ppt
9.2	SC2 Report	http://www.c63.org/documents/misc/minutes/2013_Nov/SC2_Status_Report_20131114.pptx
9.3	SC3 Report	http://www.c63.org/documents/misc/minutes/2013_Nov/SC3_Report_20131114.ppt
9.4	SC5 Report	http://www.c63.org/documents/misc/minutes/2013_Nov/SC5_Report_Main_Committee_20131114.ppt
9.4	C12.1 Task Force Report	http://c63.org/documents/misc/minutes/May2013/C63R_C12_1_Joint_task_force_report.pdf
9.5	SC6 Report	http://www.c63.org/documents/misc/minutes/2013_Nov/SC6_Report_20131114.ppt
9.6	SC7 Report	none provided
9.7	SC8 Report	http://www.c63.org/documents/misc/minutes/2013_Nov/SC8_report_2013_11_14r1.ppt
11.2	Status of active PINS	http://www.c63.org/documents/misc/minutes/2013_Nov/Secretariat_C63_Slides_v1_20131114.ppt
11.2	Gantt chart of C63® process	http://www.c63.org/documents/misc/minutes/2013_Nov/Gantt_C63_process.xlsx
11.4	Secretariat report	http://www.c63.org/documents/misc/minutes/2013_Nov/Secretariat_C63_Slides_v1_20131114.ppt
12.1	Education report	http://www.c63.org/documents/misc/minutes/2013_Nov/Education_report_Nov2013.ppt
12.4	ACIL website w/ PT button	http://www.acil.org/