C63®

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

May 9, 2013 – 8:00 am to 3:00 pm
IEEE Operations Center - Piscataway, New Jersey

Approved Meeting Minutes

1. Call to Order -Chair

1.1.   Introductions (roll call) - Secretary

MEMBER	PRIMARY	ALTERNATE
ACIL	Hodes, Harry	
Alcatel – Lucent	Moongilan, Dheena	Vacant
Apple, Inc.		
ARRL – The Nat'l. Assoc. for Amateur Radio	Hare, Ed	
Bureau Veritas		Hussain, Mairaj
CISCO Systems	Griffin, Andy	
Dell Inc.	Worley, Richard	Vacant
ETS – Lindgren	Chen, Zhong	
Federal Communications Commission		Vacant
Food and Drug Administration	Jeff Silberberg	
Industry Canada	Sigouin, Dan	Vacant
Info. Tech. Industry Council – ITIC	Hirvela, John	
Institute of Elect. & Electronics Engrs. (EMCS)	Drozd, Andy	Vacant
Motorola Mobility		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
Research in Motion (RIM)		
Samsung Telecommunications		
Society of Automotive Engineers	Andersen, Poul	
Sony Ericsson Mobile Communications		Vacant
SPAWAR - US Navy	Dilay, Chris	
TIA - Telecomm. Industry Association	Whitesell, Stephen	Vacant

Telecomm. Certif. Body (TCB) Council	**Wall, Art**	
TÜV SÜD America, Inc.	**Fleury, Chip**	Dave Schaefer
UL LLC	**DeLisi, Bob**	**Moser, Jeffrey**
US Dep't. Defense - Joint Spectrum Ctr.	**Shellman, Marcus**	**Duncanson, Michael**
Individual Members:		
INDIVIDUAL MEMBER	**Hoolihan, Daniel**	None
INDIVIDUAL MEMBER		None
INDIVIDUAL MEMBER	**Schaefer, Werner**	None
INDIVIDUAL MEMBER		None
INDIVIDUAL MEMBER		None
INDIVIDUAL MEMBER	**Berger, Stephen**	None
INDIVIDUAL MEMBER	**Heirman, Don**	None
Emeritus Members:		
MEMBER EMERITUS		None
MEMBER EMERITUS		None
MEMBER EMERITUS		None

Observers: Jerry Ramie, Pat Roder, Beth Hackett, Brad Moore, Jeff Klinger, Adam Gouker, Victor Kuczynski and Janet O'Neil.

Quorum: 28 organizations + 7 individual members = 35 total. A quorum is 50%; which is 18 or more members in attendance. Quorum was achieved with 24 members attending.

1.2   Announcements – Chair - Ms. Roder & Ms. O'Neil were thanked for their contributions to the success of our meeting. Our next meeting is November 11-14, 2013 at Underwriters Laboratories-Northbrook (Illinois) to be hosted by Mr. DeLisi.

1.3   Electronic Motions since last meeting – Chair - There were two electronic motions; SC6 scope was changed and Industry Canada was approved for Membership in December of 2012. An informal Committee operations change relative to designating representatives from organizations through their legal department or executive management was agreed to by the Chair, the Secretariat, and the Secretary of the Committee.

1.4   Other Issues – N/A

2. Approval of the Agenda

2.1   Approval of agenda- Chair - The DRAFT agenda was shown to the Committee and with Agenda item 8.1 being moved earlier in the agenda it was approved by Committee. AI-59: New February (2013) C63® Procedures are to be posted to the Committee's website by Mr. Ramie.

2.2   Presentation of patent slides

3. Membership Report – Hoolihan –
Two individuals (Steve Berger and Don Heirman) and one Organization (Industry Canada) were added as members. Several members are

"at risk" for non-payment of annual dues. Membership fees are un-changed for the year with working group members having to pay no fees.

4. **Secretary's Report – Minutes of the last Meeting (October – 2012) –** Mr. Ramie showed the Draft Main Committee Minutes from October, 2012 in a page by page manner. After the review was completed, Mr. Hare moved to approve the minutes, the Motion was seconded by Mr. Hodes. The voice vote was unanimous.

5. **Secretariat Report –** Patricia Roder showed a presentation with the status of Standards. C63.23 was approved in December of 2012 and published in March of 2013. A number of other standards are under revision.

6. **Ad Hoc Committee Report on the C63® reply to FCC NPRM (FCC No. 13-19)–** Andy Griffin, Chair of the C63® Ad Hoc Committee on replying to the FCC NPRM, verbally reported that they have held four meetings; three by WebEx and one face-to-face at lunch on May 8th, 2013. They have decided they will respond only to matters concerning C63®. A new draft should be ready in a week or two. The FCC Filing deadline is June 17. Mr. Hodes noted that Members can comment on any matter without "undue sensitivity." Mr. Wall reported that, in general, in dealing with a *Report & Order,* the Commission will frequently take two years to get back to industry with a Commission Decision.

7. **Subcommittee reports** *(Brief written reports to include membership approval, 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 as input to the Newsletter editor.*

   7.1. **SC1: Measurement and Instrumentation – Mr. Chen –** The membership was shown and he moved to approve the list. (no second required) The motion carried. The Scope was shown and Mr. Chen moved to accept the text as shown, which was unchanged. The motion was carried. Bill Stumpf was removed for missing three meetings. Dennis Ward of PCTest was added as a new member. The task force for C63.4 received 36 comments; one more recirculation ballot will be undertaken. Comment resolution target date is June, revised text by August.

   C63.5 PINS is current. Latest draft is from April of 2013. The goal is to have a revised text to the C63.5 working group within two weeks. It is hoped to have a Main Committee ballot within three months.

   C63.10. The ANSI BSR-8 public review ends 6/10/13. It is hoped to have the standard published by October of 2013.
   C63.23 is completed and published.
   C63.25 PINS is current, latest draft is still in the working group. It is planned to make measurements at several labs to be run within six months; it is hoped to have a revised draft to go to the working group within nine months.
   C63.2 has new PINS for revision; submitted 5/8/13 by Werner Schaefer.
   C63.7 has new PINS to be submitted electronically to ANSI using new site. Mr. Chen moved to approve the new PINS, which was approved.

7.2.   **SC2: Definitions – Mr. Shellman –** A slightly changed Scope was shown with "ASC" struck out. He moved to accept the Scope, which was accepted by the Main Committee. The SC2 Membership roster was shown; Mr. Gouker, Mr. Chen and Mr. Southworth were added to it. Mr. Shellman moved to accept the amended roster, which was approved by the Main Committee. A WG1 report was shown by Mr. Shellman with 25 new terms. <mark>AI-60:</mark> SC Chairs to submit any new terms to Mr. Shellman by August 15, 2013 for the next revision of C63.14.

7.3.   **SC3: International Standardization – Mr. Andersen –** The Subcommittee's Scope was shown as unchanged. The SC's Membership roster was shown; Mr. Kuczynski and Mr. Klinger were added. Eight C63® documents are in the analysis matrix; five of the eight are on-hold until publication. The members of WG1, which is looking at C63.12, were shown. Mr. Andersen moved to approve the Scope; there was no discussion. The Scope was approved unanimously by a voice vote. A motion to accept the Membership roster of SC3 was made; there was no discussion and the Membership was approved unanimously by a voice vote. A motion to accept an electronically-submitted PINS to ANSI for C63.12 was shown. The Scope summary was shown; CISPR 11, 13, 22 and 32, along with IEC 61000-4-x standards are included. The title is "Recommended Practice for Electromagnetic Compatibility Limits" and is unchanged. Mr. Andersen moved to approve the PINS as shown. There was no discussion and the motion carried unanimously by a voice vote. <mark>AI-61:</mark> Andersen - A WebEx meeting for SC3 needs to be scheduled for June 12.

7.4.   **SC5: Immunity testing – Whitesell –** Membership roster was shown, some members have missed three meetings. Mr. Whitesell moved to approve the roster, contingent upon fees and renewed attendance being assured. There was no discussion and the motion carried unanimously by a voice vote. The modified Scope was shown with slightly new wording. Mr. Whitesell moved to accept the new Scope, there was no discussion and the Motion was approved unanimously by a voice vote. A list of new projects was shown. C63.9 was published in 2008 and should be re-affirmed. Mr. Whitesell moved to have C63.9 re-affirmed as an American National Standard, since it came from a subcommittee no second was necessary and a discussion ensued. After the discussion, the motion was approved unanimously by a voice vote. C63.20 on Nuclear Plant immunity is not being worked on. Mr. Whitesell moved to cancel the PINS and drop the project. The Motion came from the subcommittee so no second was necessary. The motion was carried unanimously by a voice vote. The Standard Guide, C63.16, on ESD test methodologies will be reviewed by a new Working Group chaired by Mr. Whitesell. They will take info that is not covered in IEC 61000-4-2 and extract it and organize it into a report. C63.24 has a new WG vice-chair in Werner Schaefer. Structural changes will be required. Mr. Heirman presented Standards applicable to smart grid. Mr. Ramie presented material on C12.1 and a task force was formed under Mr. Ramie to assess shortcomings in the document. <mark>AI-62:</mark> 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 to cover emissions as well. Chaired by Mr. Ramie, others to include David Schaefer, Don Heirman

and Ed Hare reporting to SC5 and SC1 Chairs.

7.5. **SC6: Laboratory Accreditation – Gouker –** No new members, one member was removed (Brench). Officers and Members were shown. C63.8 and C63.11 working groups (3 and 4) were shown. Mr. Gouker moved to accept SC6 Scope; there was no discussion and the motion carried by a voice vote. Mr. Gouker moved to accept the PINS for C63.11 as a Guide, there was no discussion and the motion carried by a voice vote. The current membership roster was shown; Mr. Gouker moved to accept the roster. There was no discussion and the motion carried by a voice vote.

7.6. **SC7: Unlicensed Personal Comm. Services – Berger –** Mr. Berger presented an unchanged Scope and moved to accept it. There was no discussion and the motion carried unanimously by voice vote. A revision of C63.17 is being forwarded to ANSI for approval. In parallel, it was also sent to IEEE for editorial review. The C63.17 scope was shown by Mr. Berger. The C63.27 Working Group is meeting monthly, draft is being prepared. The scope of C63.27 was shown. The SC7 roster was shown and Mr. Berger moved to approve the roster. There was no discussion and the motion carried unanimously by voice vote. The C63.27 Working Group membership was shown for information only.

7.7. **SC8: Medical Equipment Testing – DeLisi -** The membership roster was shown; Mr. DeLisi moved to approve the Membership, there was no discussion and the motion carried unanimously by a voice vote. The un-changed Scope was shown; Mr. DeLisi moved to accept the Scope, there was no discussion and the motion carried unanimously by a voice vote. The C63.18 Working Group chair is reviewing IEEE edits; publication is planned for early 2014. The C63.19 Working Group activities were shown.

Liaison Reports were shown. Mr. Berger reported that hospitals are reporting co-existence problems with wireless devices. A task group has been organized to understand the issues involved.

The FDA report summary (by Mr. Silberberg) was shown – it is a summary of on-going work at the FDA relative to EMC.

8. New Business

8.1. **Interpretations – Informative not normative –** Clause 11 was approved by ANSI in January of 2013, but they determined that our Interpretations were not "normative." Mr. DeLisi moved to revise Clause 11 of the C63 operating procedures, to allow clarify that interpretation request go through a process to become official corrigendum or amendments, as appropriate, to the subject standard from where the request originated. This includes submission for ANSI public review. Seconded by Mr. Hodes. A discussion ensued. Pat Roder's slides on rules for amendments were shown. Revisions update and replace documents in their entirety. Amendments add or remove content and corrections between revisions. Corrigendum only corrects editorial or technical errors or ambiguities and does not introduce new material. Erratum

contains only grammatical corrections. Up to three amendments can be approved before a revision. ANSI approval of our procedures is required, although they do not have to be exactly the same as the ANSI "model" procedures. After an extensive discussion, the Motion was carried unanimously by a voice vote.

The Chair decided to form an ad hoc committee to draft appropriate text on "Interpretations." Volunteers were solicited for this ad hoc committee to be chaired by **Dan Sigouin**. <u>Volunteer members were John Hirvela, Rich Worley, Don Heirman, Dennis Camell, Adam Gouker, Werner Schaefer, Harry Hodes, Bob DeLisi, Andy Griffin, Ed Hare, Dean Ghizzone, Greg Kiemel & Jeff Klinger.</u>

Mr. Heirman moved to add a statement on the website that states that interpretations are informative. Seconded by Mr. Hodes. Mr. Heirman moved to publish this text on the web site: "Interpretations listed on this website are considered informative unless an official revision, amendment or corrigendum has been published." After a Committee discussion, the motion passed unanimously by voice vote. <mark>AI-63:</mark> Mr. Ramie to add the "informative" statement to our Interpretations/Explanations page.

8.2.   **Committee Procedures – Time for a complete revision –** The Chair thought that a complete revision of our [procedure](#)s is needed. Mr. Hodes will be the Chair of the task force to work on this, with Hoolihan, Griffin, Sigouin, Gouker and Hackett. Mr. Hodes moved to refocus the existing Task Force, formed at the last meeting, on general procedures, excluding Clause 11. The two task forces can then proceed independently. Since the Motion came from the Task Force, no second was necessary and a discussion ensued. The motion carried unanimously by a voice vote.

8.3.   **Andy Drozd – IEEE-EMCS Computational standards –** Mr. Drozd made a short oral presentation that stated that computational methods/standards should be developed under C63®. Two IEEE Standards already exist. IEEE-1597-2 has several models, including PC board layout models. He encouraged us to use these documents and to study how they may be utilized. Mr. Heirman noted that C63® is not doing any "predictive" work yet. He reported that the EMC Society is encouraging this and a dual-logo Standard may be appropriate with the IEC. We may want to pursue that avenue as well. Discussion ensued. Mr. Drozd noted that these kinds of Standards are "industry agnostic." Mr. Hodes noted that many laboratory personnel may be pessimistic or ill-informed about simulations. Which computer models and what vendors are appropriate? The testing community may not know where to start. Mr. Drozd agreed that test personnel and design simulators are very different. He wanted software to be accredited so it can be used by non-experts. Mr. Moongilan noted that testing alone cannot fix non-compliant products and that computational tools are required.

Mr. Heirman wanted to work with Mr. Drozd on a white paper discussing how to use computational tools and Standards. <mark>AI-64:</mark> Mr. Heirman and Mr. Drozd

will develop a white paper on computational EMC Standardization for delivery at the Fall-2013 meeting in Northbrook.

9. Administrative Matters

9.1. **Awards – Chair –** Individual Awards were presented to <u>Pat Roder</u>, <u>Dennis Camell</u> and <u>Victor Kuczynski</u> for their efforts on behalf of C63® standardization efforts. Mr. Camell and Mr. Kuczynski were honored for their years of service as chairs of the SC1 and SC6, respectively. Ms. Roder was honored for one-year of service to the C63 Committee.

9.2. **Web Page – Ramie –** Private pages and some public pages are now being updated by Mr. Ramie. More public pages will have links installed that Mr. Ramie can maintain.

9.3. **Status of active PINS – Secretariat –** Ms. Roder showed slides of PINS.

9.4 **Status of active PINS-C – Secretary -** an Action Item (AI-13) to update the PINS-C listings for Mr. Heirman and Mr. Hare has not been completed.

9.5 **Status of C63® published standards – Secretariat –** given in the Presentation.

        9.5.1 Fourth Anniversary standards – C63.9 was voted to be sent for re-affirmation ballot since it's 4.6 years old.

        9.5.2 Ten-years or older standards – in the Presentation.

9.6 **Any other administrative matters –** http://psawebforms.ansi.org/ is our new electronic PINS submittal system. AI-65: Replace our PINS submittal form link on our site with a link to the new ANSI PINS submittal form.

10. Other Business

10.1 **Future Seminars and Workshops – Heirman –** Our plan is to offer workshops on our own recently published Standards. C63.18 is a candidate for workshops as well as C63.25, C63.26 & C63.27 when they are published. Workshops in Denver will run August 2-4, 2013.

10.2 **Newsletter report – Kesselman –** All Newsletter issues are posted on the C63® website. Input target for the June Newsletter is 8 June. Publication target is 22 June. AI-66: One paragraph of text is required from each SC chair. The deadline for submittal of this text is 30 days from today! (6/8/13)

10.3. **Next meeting – Chair –** Nov. 11-14, 2013 – UL LLC – Northbrook, IL – hosted by UL-LLC. Next year's spring meeting is tentatively set to be held at ETS-Lindgren's facility in Cedar Park, Texas, a suburb of Austin, Texas.

11. Old Business

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

Consolidated Action Items from Main Committee Meeting 10/04/12[1]

Action Item #	Subject	Responsible Person	Status	Delivery Date	Comments

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

AI-10:	Ed Hare to modify PINS form currently on the site to become a PINS-C form. Mr. Ramie should also install a separate website link to access the list of PINS-C forms on file in the public area.	Mr. Hare Mr. Heirman Mr. Ramie	Open	Next meeting of C63®	
AI-11:	Secretary to post trademark booklet to our web site.	Jerry Ramie	Open	Next meeting of C63®	Where to post? Name of file?
AI-13:	Secretary and Chair to review PINS-C and remove inactive listings from http://www.c63.org/pw/c63/pinsc/	Ramie, Heirman, Hare	Open	Next meeting of C63®	There is no information posted on the public website on PINS-C
AI-17:	Mr. Berger to write a letter about C63.19 for distribution to accrediting bodies and forward the text to Mr. Heirman.	Mr. Berger	Closed	Next meeting of C63®	
AI-18:	All SC Chairs to submit their definitions to Mr. Shellman in SC2 for review.	All SC Chairs	Closed	Next meeting of C63®	
AI-26:	SC Chairs to look at the WG membership requirements to see if they are applicable to their work.	All SC Chairs	Closed	Next meeting of C63®	
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	Open	Next meeting of C63®	Remove old content, archive file?
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	6/1/11	
AI-46:	Mr Berger to fill his officer positions on SC7.	Mr. Berger	Closed	Next meeting of C63®	
AI-49:	Mr. Heirman will send a message to the Gov't. showing the front	Mr. Heirman Mr. Hoolihan	Closed	Next meeting	Shows the trademark is

	page of our Stds..			of C63®	being used.
	NEW ACTION ITEMS:				
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 email*
AI-51:	Mr. Ramie to amend the C63® PowerPoint template to add Title of SC, Name of Standard, Gant chart example and Flow-chart example from SC2 report.	*Mr. Ramie*	Closed	*Next meeting of C63®*	*12/9/12*
AI-52:	Mr. Ramie to develop a presentation on the five gaps that will be reported out of the NIST-SGIP EMI Issues working group.	*Mr. Ramie*	Closed	*Next meeting of C63®*	*11/1/2012*
AI-53:	Main Members to provide input to Mr. Heirman on their smart grid efforts.	*All members* vmc63@ieee.org	Open	*Next meeting of C63®*	*Don to resend smart grid slide-set from C63 presentation*
AI-54:	Mr. Berger to provide a list of C63.17 changes to the Main committee.	*Mr. Berger*	Closed	*Next meeting of C63®*	
AI-55:	Mr. Heirman to inquire as to the status of our request to the FCC to accept the 2009 editions of C63.4 & C63.10	*Mr. Heirman Mr. Hurst*	Closed	*Next meeting of C63®*	
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*	Open	*Next meeting of C63®*	
AI-57:	Mr. Hoffman to revise this newsletter text and re-submit text to the newsletter editor	*Mr. Heirman Mr. Hoffman*	Closed	*November 1, 2012*	
AI-58:	Mr. Hare to list award citations on the website to avoid duplication.	*Mr. Ramie*	Open	*Next meeting of C63®*	

12. Adjournment – The meeting was adjourned at 1:30PM-EST.

Consolidated Action Items from Main Committee Meeting 05/09/13[2]

Action Item #	Subject	Responsible Person	Status	Delivery Date	Comments
AI-10:	*Ed Hare to modify PINS form currently on the site to*	*Ed Hare*	Open	*Next meeting*	

	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.			of C63®	
AI-11:	Secretary to post trademark booklet to our web site.	Jerry Ramie	Open	Next meeting of C63®	Where to post? Name of file?
AI-13:	Secretary and Chair to review PINS-C and remove inactive listings from http://www.c63.org/pw/c63/pinsc/	Ramie, Heirman, Hare	Open	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	6/1/11	
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	Open	Next meeting of C63®	Don to re-send smart grid slide-set from C63® 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	Open	Next meeting of C63®	
AI-58:	Mr. Ramie to list award citations on the website to avoid duplication.	Mr. Ramie	Closed	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	Closed	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*	*Open*	*Next meeting of C63®*	
AI-61:	A WebEx meeting for SC3 needs to be scheduled for June 12.	*Mr. Ramie*	*Closed*	*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*	*Closed*	*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*	*Closed*	*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*	*Open*	*Next 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*	*Closed*	*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*	*Open*	*6/8/13*	

Attachments from Main Committee Meeting 5/9/13[3]

Agenda Item #	Description	Filename
2.2	Patent slides	https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt
3.0	Membership fees	http://www.c63.org/documents/misc/admin/fee_schedule.html
4.0	Approved Minutes of previous meeting	http://c63.org/documents/misc/minutes/October2012/Approved_Main_Minutes_October_2012.doc
5.0	Secretariat Report	http://c63.org/documents/misc/minutes/May2013/Secrtariat/
6.0	NPRM comments	http://c63.org/documents/misc/minutes/May2013/FINAL_ANSI_Comments_6_17_2103.pdf
7.1	SC1 Report	http://c63.org/documents/misc/minutes/May2013/SC1/
7.2	SC2 Report	http://c63.org/documents/misc/minutes/May2013/SC2/
7.3	SC3 Report	http://c63.org/documents/misc/minutes/May2013/SC3/
7.4	SC5 Report	http://c63.org/documents/misc/minutes/May2013/SC5/
7.4	C12.1 Task Force Report	http://c63.org/documents/misc/minutes/May2013/C63R_C12_1_Joint_task_force_report.pdf
7.5	SC6 Report	http://c63.org/documents/misc/minutes/May2013/SC6/
7.6	SC7 Report	http://c63.org/documents/misc/minutes/May2013/SC7/
7.7	SC8 Report	http://c63.org/documents/misc/minutes/May2013/SC8/
8.2	C63® Procedures	http://www.c63.org/documents/misc/admin/Final%20C63%20Procedures_%20Clean.pdf
9.3	Status of active PINS	http://c63.org/documents/misc/minutes/May2013/Secrtariat/
9.5	Status of Published Standards	http://c63.org/documents/misc/minutes/May2013/Secrtariat/
10.1	Workshops in Denver	http://www.emc2013.org/index.php?id=69
10.2	Newsletter Report	http://www.c63.org/documents/c63/list_of_newsletters.htm

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