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**Accredited Standards Committee C63[®]
Electromagnetic Compatibility**

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

NEWSLETTER

Issue 31 June 2011

MESSAGE FROM THE CHAIR

**Don Heirman, Chairman, Accredited
Standards Committee C63[®]**

Another year--another chance to contribute

Our committee met at the invitation of ETS-Lindgren the first week in May. ETS-L not only provided the meeting rooms but it also took members on a tour of their manufacturing area including samples of their shielded rooms and their massive open area test site used primarily for antenna calibration.



ETS-L's facility in Cedar Park, TX

We owe a special thanks to Janet O'Neil who was ETS-L's host for the four days.



Janet O'Neil (ETS-Lindgren) serves up a smile as hostess to our committee members. Here she is pictured with SC chairman Bob Delisi (UL)-left and David Schramm (SGS)-right

The meeting itself was packed for a full 4 days, so much so that we had to squeeze in working group meetings for an hour here and an hour there. I am thus please to report that our committee activity is at an all time high in standards activity and having a significant presence (30 organizational members and 3 individual members) of many sectors including manufacturers, trade organizations, government, military, calibration labs, accreditation bodies, consultants and more.



Main C63[®] meeting focusing on presentations by the subcommittees. In the background are left to right starting with Vice chairman Dan Hoolihan (Hoolihan EMC Consulting) standing, and Chairman Don Heirman (Don HEIRMAN Consultants)



C63.10/C63.27 (transmitter testing) working group listens to presentations; Chair Art Wall (Radio Regulatory Consultants) is the 4th from the back on the left.



At a break, Harry Hodes (Acme Testing)—left-- and Ed Hare (American Radio Relay League) exchange technical issues

There are those that show up for just the working group meetings, but in force. For example, our C63.10/C63.26 transmitter standards had over 30 in attendance with many there just for the day when this working group was meeting.



WG Chair Dennis Camell (NIST)—second from right-- discusses technical issues for the next edition of C63.5 (Antenna Calibration)



WG chair Don Heirman (Don HEIRMAN Consultants)—far left—listens to proposed changes to C63.4 (Emission measurements).



WG chair Stephen Berger (TEM Consulting) is seen howling issues to Steve Whitesell (far left) and Ed Hare (Far right) as they discuss the new project C63.20 on Nuclear Power Plant instrumentation immunity.

We now have 19 standards of which 7 are either referenced by the FCC/FDA or will be once they are completed or further updated. We continue to thank these agencies which also maintain paying membership on the main committee for recognizing the good work of our committees. By the way, about 5 years ago the number of standards in C63® was about a quarter of the number today. That shows we have really put the “metal to the pedal” to serve our constituents and our government agencies including the US military which now uses our C63.14 dictionary instead of the MIL STD 463 which has been withdrawn.

Each of the subcommittees that have C63® standards maintenance are reported later in this issue. So let me highlight only a few items that I am very happy that occurred. First of all Steve Whitesell has taken over the chairmanship of SC5 on immunity. He took the reins as Ed Hare stepped down after two years of service. Ed has assumed the role of vice chair to help Steve during the transition. Steve’s email is at the end of the Newsletter.



Steve Whitesell (formerly of ViTech) on right takes over Subcommittee 5 chairmanship from Ed Hare (left)

Photographs above by: Jerry Ramie (ARC Technical Services), secretary of C63®

Other items to highlight are the following:

- Reactivation of our ESD Guide C63.16 now chaired by Richard Worley of Dell along with Dave Staggs, retired Dell employee. This will go beyond the material in IEC 61000-4-2 covering furniture discharge, charge-docking ESD for laptops, and other information of use to manufacturers. Richard Worley (Dell) is heading this WG.
- Renewed interest in moving quickly to publish C63.20 (Nuclear Power Plant Instrumentation Immunity) as the events in Japan and the new plant design emphasizing wireless controls show the need.
- Work on C63.23 (measurement uncertainty) continues on its way to a complete draft. The focus is on Type A (using statistics and repeat measurements) uncertainty which has gotten scant use in the past.

Special announcement

C63.19 (Hearing Aid Compatibility) was published in late May and is available for purchase using this link:

http://www.techstreet.com/standards/ieee/c63_19_2011?product_id=1792466

It is a revision of the 2007 edition. The emphasis for this edition of the standard came from the FCC Report and Order 06-107, allocating new wireless services to a frequency band in the 700 MHz range. As part of that rulemaking, the Commission requested that the C63® committee revise the standard to support the application of HAC requirements to the 700 MHz band. The committee agreed to address this 700 MHz band and also decided to extend the upper frequency range to 6 GHz, taking into account newer technologies that are also covered by similar regulations. This then is the fruits of that effort. Our committee thanks Stephen Berger and his working group members for this quick response to the needs of the FCC.

Other matters that the main committee discussed are the following:

****SmartGrid EMC.** The chair with the help of the secretary presented four slides that shows which of our emission standards may be applicable for testing SmartGrid devices. It was also shown which of our immunity standards may be applicable to test the survivability of SG devices. It is envisioned that this will be passed along to the SmartGrid Interoperability Panel Testing and Certification Committee as well as the NIST Electromagnetic Interoperability Issues Working Group chaired by NIST (Galen Koepke). In effect the 4 slides provides a roadmap of the use of our standards for SG application

****All active members of each subcommittee including officers were approved by the main committee contingent on their paying the annual dues prior to the end of May 2011**

****Victor Kuczynski presented the FCC report for Bill Hurst who could not make the meeting. The report was extensive on the Commission's activity on EMC or related to EMC matters. A slide on measurement guidance needs was highlighted. This triggered interest by the committee to assist in answering this need and will be followed up**

****ANSI audit of C63® was held late last year. There were findings that ANSI required corrective action. Much was based on following the latest edition of ANSI's essential requirements which is required for all ANSI accredited standards development committee. The document was presented to the committee and approved. After the meeting there were a few ANSI required changes that were found to be left out. This is now being electronically balloted. NOTE: ANSI does not have any standards development committees. So C63® is NOT an ANSI committee but rather one that is accredited by ANSI as it meets their essential requirements. While the IEEE owns the intellectual property of our standards and the secretariat, we are not an IEEE committee either but an independent SDO. We use the IEEE publishing and marketing activity to get our standards out to the user community. These are paid contracted services.**

****The status of our interpretations and explanations of our standards was discussed. We have asked the IEEE to link their front matter on interpretations to our web site as our web site is the official residence of these summaries. So look for this information on our web site at:**
http://www.c63.org/documents/misc/posting/new_interpretations.htm

Future seminars and workshop

Interlab Comparisons and Data Reduction plus Emission Measurements (ANSI C63.4), Antenna Calibration (ANSI C63.5) and Time Domain (TD) Applications

Dates/Locations:

August 11 and 12/ Hilton Orange County/Costa Mesa, 3050 Bristol St., Costa Mesa, CA 92626. August 13/ Northwest EMC in Irvine CA

This workshop is presented now in four parts over a two and a half day period: (1) Introduction to interlab emission measurement comparisons and requisite data reduction, (2) Review of the 2009 edition of ANSI C63.4 (now accepted by the FCC for use), (3) Review of the 2006 edition of C63.5 and the changes proposed for the expected 2012 edition and (4) Application of TD for test site validation and antenna calibration. The workshops are designed to increase your understanding of these standards, the TD approach and the importance of interlab comparisons (ILC) as it applies to emission measurements and how to analyze results to improve lab test accuracy. For the C63.4 workshop, there will be an analysis of the test site validation including using the CISPR S-VSWR method or arranging absorber material on the ground plane. The C63.5 workshop will lead the user through the document, highlighting which technique should be used based on the type of antenna being calibrated. This is essential to ensure that the right antenna factor is obtained, especially when validating semi-anechoic chambers. The proposed application of the same TD method to validating test sites and antenna calibrations will also be presented in real time using the ten meter semi-anechoic chamber at Northwest EMC. Group problem solving will be a highlight of all four workshops.

C63.4 (emission testing), C63.5 (antenna calibration), and Time domain applications for antenna calibration and chamber validation will be on **12-13 August** just before the start of the annual EMC symposium. On the **13th**, the workshop on C63.5 and TD application will be held at **NW EMC's location in Irvine, CA.**

The afternoon before these workshops (11 Aug), there will be a new half day workshop on **interlaboratory comparison** measurements and a program established by the C63 member American Council of Independent Laboratories and given by Harry Hodes (Acme Testing). C63® has much interest in this and in fact the first part of this workshop will be a presentation by the SC 6 chairman—Victor Kuczynski to show possible synergies of the C63® interests with the ACIL effort.

The Workshops registration form is in the advance program for the IEEE EMC Symposium, Long Beach, CA. Others interested in these workshops can contact Janet O'Neil on j.n.oneil@ieee.org

In early September (7-8 Sept) we are giving a two day workshop on the use of the recently published **C63.19 Hearing Aid Compatibility** standard in the Washington DC area. Details are being finalized and will be sent to all on the distribution of this newsletter then.

Location of the next series of meetings

We are happy to announce that we are trying something different for the 3-6 October meetings of our committees. We will be holding our meetings at the New Jersey Monmouth County Park Headquarters building in Lincroft, New Jersey. The Park is called Thompson Park. Here are a few photos of the meeting venue:



Thompson Park headquarters—site of C63@ October 2011 meeting.



Large meeting space for main committee, subcommittees, and large WG meetings



Small meeting room for small WG meetings

The setting is in a 400 acre major park in the State. Food services will be catered and delightful walking trails abound during breaks or lunch time (but get back in time for the start of meetings!!)

Information on location, hotels, travel to the venues will be forthcoming and will be posted on our web site.

MOMENT OF SILENCE

A moment of silence was requested by the chair of the main committee meeting as the secretary showed Kurt's photograph and short obituary.

Kurt Boccanegra Fischer



Kurt who was the past chairman of subcommittee 6, age 54, passed away, Wednesday, March 30, 2011. Kurt enjoyed soccer, boating, music, travel, health conscious cooking and was an active supporter of the performing arts. Most importantly, he was passionate about family. Kurt enjoyed a long career in the private sector as an entrepreneur and consultant. Recently, he was employed by the National Institute of Standards and Technology where he was a physical scientist. Kurt had thirty years experience in conformity assessment for high technology electronics, wireless devices, and telecommunications industries, with special emphasis in electromagnetic compatibility and wireless communications including industrial, automotive and aerospace sectors. Most recently he worked for the past five years for the National Institute of Standards & Technology as a program manager for the Office of Law Enforcement Standards and the National Voluntary Laboratory Accreditation Program in the area of Electromagnetic Compatibility and Telecommunications. His guidance in his leading the subcommittee 6 work brought new approaches to how the subcommittee could interact with the EMC major accrediting bodies in this country including of course his association with NVLAP (National Voluntary Laboratory Accreditation Program). He will be missed by his colleagues in C63.

Subcommittee 1 – Techniques and Development

Dennis Camell, Chair

This subcommittee has a total of twenty-one members with two newly approved and one that was dropped at this meeting. This subcommittee is responsible for eight standards; one inactive, three in revision process, and three totally new standards being developed at the working group level. There is also one standard up for reaffirmation. Any interested parties are encouraged to contact the appropriate working group chair shown below. A revised scope was proposed at this meeting and it was accepted. It will be posted on the website. Two interpretations requests were received since the October 2010 meeting. Two standards documents were involved (C63.4-2009, C63.5-2006). One has been resolved and the other one will be resolved shortly. All resolved interpretations are posted on the website.

Here is the status of the current working groups:

Project on EM Noise & Field Strength Instrumentation, C63.2

Chair: none

This is an active standard that was published in 2009. Currently there is no working group.

Project on Emissions Measurements, C63.4

Chair: Don Heirman

This is an active standard that was published in 2009. Revisions that will be considered include but are not limited to the following topics:

- Remove measurement methods for intentional radiators (clause 13) since they are now covered by C63.10
- Revise the measurement method for emissions above 1 GHz; this would be limited to unintentional radiators
- Revisit site validation methods above 1 GHz
- Further describe scrolling H pattern requirements for large screen TV receivers as well as those used as computer monitors
- Add measurement uncertainty based on C63.23 if published
- Move antenna calibration requirements to C63.5
- Move site validation requirements to new standard if one is published covering different approaches (potential publication is C63.25)
- Average detector. Add information on average detectors and review average measurement method using a reduced VBW.

Project on Antenna Calibration, C63.5

Chair: Dennis Camell

This is an active standard that was published in 2006. A new draft document is expected around July 2011. This revision will contain several suggested changes that arose from the last revision as well as new techniques.

New topics discussed

- Need to have all new items in scope; specifically something on each section including the time domain gating.
- Continue to tie into C63.4 and other C63[®] documents; make sure sections flow from one document to the other.
- Mention of ‘reference site’ needs to be clarified that it is the SACS, throughout the document.
- Data received from Liberty Labs and ETS-Lindgren on section 5.1.3, above 1 GHz heights, showing practical heights for several antennas.
- Change section 4.3, paragraph 2; ‘attenuators should’ to ‘attenuators shall’ for VSWR above 2:1.
- Also, fix grammar in some of the SSM sections.
- The uncertainty section on SSM only covers SA measurements; it needs to be expanded to cover all SSM variables.
- RAM section review and add uncertainty section.
- Better define a statement that the same test site cannot be used for calibrations and product testing. However, at the same site, different areas on a can be used for the two.

Project on Standard for Testing Unlicensed Wireless Devices, C63.10

Chair: Art Wall

This is an active standard that was published in 2009. They are meeting regularly with large turnouts at each meeting. Work is in process for the next revision. Work is progressing in the following areas:

- Measurements above 1 GHz
- Broadband system measurements
- MIMO
- EIRP and ERP measurements
- Polar plots and antenna characteristics
- Multiple transmitters
- Antenna array testing
- Measurements below 30 MHz
- maintenance items

Project on Guide for Automated EMI Measurements, C63.22

Chair: none

This is an active guide that was published in 2004. It is in the process of being reaffirmed.

Project on Measurement Uncertainty, C63.23

Chair: Bob DeLisi

This is a draft standard with an active PINS. The draft of this new standard is nearing completion and will focus on practical instruction on how to determine the actual measurement uncertainty contributor values from calibration data and other sources. In addition the standard will provide guidance on the means to use type A assessments of contributors and overall systems, including nested studies. A target date is presently set as October 2011.

Project on Validation Methods for EMC Radiated Emissions Test Sites, C63.25

Chair: Dennis Camell

This is a draft standard with an active PINS. This project was approved for the development of site requirements for both above and below 1 GHz. The working group is copying the requirements below 1 GHz (NSA) from C63.4 and adding requirements above 1 GHz. The expected completion date is June 2012.

Project on Standard for Testing Licensed Wireless Devices, C63.26

Chair: Art Wall

This is a draft standard with an active PINS. The working group meets regularly with a large turnout at each meeting. The work is just beginning for this standard. Roadmap developed and key tasks have been identified. A target date is set of late 2012.

Subcommittee 2 – E3 Terms and Definitions

Marcus Shellman, Chair

SC2 Summary Report. SC2 approved Ms. Janet O’Neil, ETS-Lindgren, as the new SC2 Vice-Chair. Her knowledge and experience are assets to the position. SC2 Working Group 1 continued maintenance and updates to the draft ASC C63.14-XXXX. SC2 approved the WG1 proposal to add an informative annex to the standard. The informative annex will be a glossary comprised of EMC terminology from the IEC 60050, “International Electrotechnical Vocabulary (IEV),” that is not currently included in ASC C63.14-2009. Additionally, WG1 will update the draft with definitions from existing C63[®] publications (C63.2, C63.4, C63.5, C63.6, C63.10, C63.19, C63.22*) as submitted by the SC1 and SC8 Chairmen, respectively.

The SC2 members including WG1 are as follows:

SC2 Members	Title	Affiliation
Marcus Shellman	SC2 Chair,(WG1)	DISA
Janet O'Neil	SC2 Vice-Chair	ETS-Lindgren
Michael Duncanson	SC2 Secretary, (WG1)	URS
Chris Dilay	SC2 Web Coord., (WG1)	SPAWAR SYSCEN
Don Heirman	C63 [®] Chair	Don Heirman Consultants
Dan Hoolihan	C63 [®] Vice-Chair	Hoolihan EMC Consulting
Dennis Camell	SC1 Chair	NIST
Poul Andersen	SC3 Chair	Poul Andersen Consulting
Ed Hare	C63 [®] Web Master	ARRL
Steve Whitesell	SC5 Chair	TIA
Victor Kuczynski	SC6 Chair	VICAN Electronics
Stephen Berger	SC7 Chair	TEM Consulting
Bob DeLisi	SC8 Chair	Underwriters Laboratory
Ralph Showers	Member	Consultant
Colin Brench	SC1 Vice-Chair	Southwest Research Inst.
Bob Hofmann	Member	Consultant
Harry Hodes	WG1 Member	Acme Testing Co.
Steve Koster	WG1 Member	Washington Laboratories
Jerry Ramie	WG1 Member	ARC Technical Resources
Dave Schaefer	WG1 Member	TUV America
Joseph Snyder	WG1 Member	Consultant

Subcommittee 3 International Standardization

Poul Andersen, Chair

Subcommittee 3 – International Standardization met as part of the ASC C63[®] meetings. The scope as shown on the SC3 page of the web site was proposed to the main committee to be reaffirmed without change, where it was accepted. There were a few changes in the Subcommittee 3 membership also proposed to the main committee. The SC3 membership was accepted by the main committee and will be posted on the website in the near future.

The work of the subcommittee is to look for areas of duplication between US standards, in particular C63[®] documents, and international documents and also to look for content of US documents that may be appropriate to be

introduced into international standardization activity to improve those documents. Twelve C63[®] documents are currently under review. While a few of those documents are on hold until the documents are published, it is expected that at the fall meeting of SC3, a conclusion will be reached in regard to the majority of those documents currently under review.

Subcommittee 5 Immunity Testing

Steve Whitesell, Chair

Subcommittee 5 experienced a change of leadership at the May meeting. Ed Hare stepped aside after serving two terms as Chair, and Steve Whitesell was appointed as his replacement. Ed will continue to serve in the Vice Chair role and as Web Coordinator. Phil Keebler agreed to take on the responsibilities of Secretary.

A small task group has reviewed the content of the C63.16 guide on ESD testing that was administratively withdrawn by ANSI because of the 10-year rule. Their finding is that valuable and unique information in the guide, such as furniture ESD simulation, statistical determination of the number of ESD discharges per test point, and test waveforms that more closely depict ESD waveforms as they occur in equipment installations, should be preserved. Task Group members Dave Staggs, Stephen Berger, and Richard Worley will develop a PINS for a new project to revise and reissue the guide. Mr. Worley will Chair the new working group that will take on the revision effort.

Phil Keebler provided status reports on the C63.20 and C63.24 projects in the absence of Stephen Berger, who chairs both working groups. The organization plan for the new C63.20 standard on Immunity of Equipment for Nuclear Power Stations is expected to be completed by the end of June and will be compared to the approved PINS to make sure the two align. An initial draft of the document is anticipated by the Spring 2012 meeting. The C63.24 project for On-Site Immunity Evaluation has generated significant interest and the working group is being formed. Although the initial plan was for this document to mirror C63.18, which is specific to medical equipment, the current thinking is that its organizational structure will be somewhat different. An initial draft is expected for the Fall 2011 meeting.

Don Heirman discussed the need to identify applicable C63[®] documents and projects for Smart Grid applications, some of which are immunity documents that fall under the purview of SC5. He met with Ed Hare, Phil Keebler and Jerry Ramie the morning after the SC5 meeting to discuss a presentation for the Main Committee on this subject. After the meeting, Mr. Ramie prepared the presentation, C63[®] standards for smart grid.

Subcommittee 6 Laboratory Accreditation/ Conformity Assessment

Victor Kuczynski, Chair

May 3, 2011 Meeting summary:

16 members and 10 guests were present.

WG 2 headed by Dean Ghizzone including Dan Hoolihan, Bob DeLisi, Brad Moore, Victor Kuczynski was exploring the idea to drop dates from the scope of the accreditations list to minimize the amount of entries. After lengthy discussion SC6 decided **not** to continue with this project.

WG3 C63@ C63.11™/D1.0 Draft Standard-American National Standard for Inter-lab Comparison EMC Testing.

Dan Hoolihan Chair, Victor Kuczynski V-chair, Harry Hodes, Werner Schafer, Zhong Chen, Collis Brench, Randy Long, Bob Delisi and Dennis Camell

Proficiency testing updates and the PT program run by ACIL were discussed.

The project PINS is current.

WG4 C63@ C63.8™/D1.0 Draft Guide-Guidance on specifying requirements for the calibrations and verifications of EMC test equipment.

Victor Kuczynski Chair, Bob Delisi, Dean Ghizzone, Dan Hoolihan, Werner Schaeffer, Randy Long V-chair, Zhong Cheng, Colin Brench, Denise Camell.

The project PINS is current.

Subcommittee 7 Unlicensed Personal Communications Services Devices

Stephen Berger, Chair

Mr. Berger reported on the progress on developing a standard for Nuclear Power Plant Instrumentation Immunity (C63.20). He indicated that international events in Japan give an impetus to complete this work. A new generation of nuclear plants is on the drawing boards, with these new plants embracing wireless devices for sensors, etc. These systems will require immunity validation through testing. Low incidence events related to intentional EMI will be considered. C63.20 and C63.24 (On site immunity testing) are using the same working group roster; mostly composed of power industry personnel.

Subcommittee 8 Medical Equipment Testing

Bob DeLisi, Chair

SC8 met at ETS-Lindgren on Wednesday May 4, 2011. The membership shown below was approved by the C63@ Main Committee.

Name	SC 8 Role	Affiliation
Attayi, Daoud	Member	Research In Motion
Berger, Stephen	Vice Chair	TEM Consulting
Bowen, Don	Member	AT&T
Case, David	Member	CISCO
Chapman, David	Member	AT&T
Coston, Steve	Member	PCTEST Engineering Laboratory, Inc.
DeLisi, Bob	Chair	Underwriters Laboratory
Dzumba, David	Member	Nokia
Green, Kendra	Member	Samsung Telecom America
Hare, Ed	SC8 Web Content Manager	ARRL
Heirman, Don	Member	Don HEIRMAN Consultants
Hofmann, HR (Bob)	Member	Hofmann EMC Engineering
Hoolihan, Dan	Member	Hoolihan EMC Consulting
Hurst, Bill	Member	FCC
Julstrom, Steve	Member	Julstrom Consulting and Development
Knipple, Tom	Member	Motorola
Kozma-Spytek, Linda	Member	Galludet University
Kuczynski, Victor	Member	Vican Electronics
Liu, Steve	Member	PCTEST Engineering Laboratory, Inc.
Moongilan, Dheena	Member	Alcatel-Lucent
Refai Hazem	Member	University of Oklahoma - Wireless and Electromagnetic Compatibility and Design Center
Showers, Ralph	Member	Ralph Showers, Consultant
Silberberg, Jeffrey L	Member	FDA Center for Devices & Radiological Health
Stumpf, Bill	Member	DLS Electronics
Turner, Jim	Member	Alliance for Telecom Industry Solution

Victorian, Tom	Member	Starkey Systems
Violette, Mike	Member	Washington Laboratories
Whitesell, Steve	Member	VTech
Witters, Don	Member	FDA Center for Devices & Radiological Health
Zimmerman, Dave	Secretary	Spectrum EMC Consulting, LLC

The scope for the work conducted in SC8 was also approved. This can be found at http://www.c63.org/documents/sc_8/sc_8.htm.

SC8 Working Group 1 – C63.18 Recommended Practice for an on-Site, Ad Hoc Test Method for Estimating Radiated Electromagnetic Immunity of Medical Devices to Specific Radio-Frequency Transmitters, has completed editing of the last balloted document.

- Comments from previous ballot were addressed by the Working Group.
- C63.18 was converted to the IEEE Style format - November 2010
- Final review completed - May 2011
- Document sent to the IEEE Secretariat (M. Kipness) for recirculation ballot, 2 May 2011

SC8 Working Group 3 – C63.19 Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids

- C63 Ballot on the latest revision was completed on December 23, 2010
- ANSI Standards Action started January 21, 2011 for C63.19
 - Comment deadline – March 7, 2011
 - No comments received from public review.
- March 17, 2011 C63.19 submitted to ANSI Board of Standard Review
- Final edits underway with IEEE. Expected completion by May 20, 2011
- Publication date pending finale edits.

The following Liason reports were provided:

FDA - Food and Drug Administration

FDA is working on the following activities relating to EMC

- IEC 60601-1-2 Edition 4 CD2 and responses to comments on CD1
- C63.18 review
- Wireless coexistence
 - Participated in a couple of teleconferences to discuss concerns
 - Working with University of Oklahoma - Wireless and Electromagnetic

Compatibility and Design Center

- Finalization of FDA wireless medical device guidance expected very soon.
- RFID
 - Testing interaction with medical devices
 - Working with the Association for Automatic Identification and Mobility (AIM Global) RFID Experts Group (REG) to develop test protocols for interference between RFID and medical devices

IEC SC62A MT 23 on IEC 60601-1-2, Electromagnetic Compatibility of Medical Electrical Equipment provided the following summary of ongoing work in IEC 60601-1-2.

IEC 60601-1-2 Ed. 4 circulated 2011-03-04 as 62A/746/CD

- Comment period closes 2011-06-10
- US SC62A TAG meeting 2011-05-13 to prepare US comments
- Performance (EMC) requirements were moved to an informative annex
- Several of the proposed new test methods were deleted
- Some general immunity test levels were lowered
- Higher immunity test levels in frequency bands where sources are
 - ISM
 - Amateur radio
 - Portable communications equipment
- The close distance RF test was replaced with an interim test using IEC 61000-4-3 at 30 V/m to approximate portable transmitters
- Goal for CDV: November 2011

OCTOBER 2011 ANSI ASC C63®
MEETING SERIES

The October 2011 meeting series is scheduled to be held during the week of 3 October at Thompson Park, Lincroft, NJ.

The Main Committee meeting is on Thursday 6 October.

Please check schedule on C63®'s website:

www.c63.org "C63® main committee", "Upcoming meeting schedule & logistics".

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ANSI ASC C63[®] ELECTROMAGNETIC COMPATIBILITY, NEWSLETTER is published approximately forty-five days after Committee meetings and is available on the web site www.c63.org. That site also contains much information about ANSI ASC C63[®] and its Subcommittees.

Warren Kesselman, Editor (w.kesselman@ieee.org)

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