

**US NATIONAL COMMITTEE/IEC
TECHNICAL MANAGEMENT COMMITTEE (TMC)**

Minutes

Small Business Development Center (SBDC)
Central Arizona College
Casa Grande, AZ

**Wednesday, 22 January 2014
(Meeting #41)**

Members Present

Alec McMillan (Chair)	Member	Rockwell Automation
Ken Gettman*	Member	NEMA
Hae Choe	Member	AAMI
William T Fiske	Member	Intertek
John Green	Member	Cooper Industries (NEMA)
Jodi Haaz	Member	IEEE
Donald Heirman	Member	Don HEIRMAN Consultants
Bob Kretschmann	Member	Rockwell Automation
Veronica A Lancaster,	Member	Consumer Electronics Association
William G. Lawrence, Jr	Member	FM Approvals
Calvin Luong	Member	CSA
Joseph Musso	Member	UL
Charley Robinson	Member	ISA
Patrick Salas	Member	GE
Steven Swanson†*	Member	Corning Incorporated
Jeffrey Waymouth	Member	OSRAM SYLVANIA
Charlie Zegers	USNC General Secretary	ANSI

Tony Zertuche	USNC Deputy General Sec.	ANSI
<u>Guests Participating</u>		
Sonya Bird	Council Member	UL
C P (Sandy) Butterfield	CAPCC Member	Boulder Wind Power, Chair, IEC/TC 88
Jonathan Colby	Co-Chair, COE/C&CEC JTF EP	Verdant Power,
Kim Delort†*	USNC Rep SMB SG #5	UL
Tim Duffy	CAPCC Vice Chair	Rockwell Automation
Mark W Earley	Council Member	NFPA
Gene Eckhart†*	COPANT TC 151 and TC 152	NEMA
JoAnn Emmel	Council Member	Virginia Tech
Elaina M Finger	Chair, C&CE Committee	Corning Incorporated
Gerald J FitzPatrick	Council Member	NIST
Elaina Finger	Chair, USNC C&CE Cmte	Corning Incorporated
David Hanlon	CAB Secretary	IEC Central Office
Megan Hayes	Council Member	NEMA
Joseph L Koepfinger†*	USNC Rep ACTAD	JL Koepfinger PE Consulting
Kevin Lippert	USNC VP–Membership	Eaton Corp
Alan Lucero	TA USNC TAG IEC SC 47D	Intel Corp
Nicholas Lycoudes	Chair – IEC TC 47	Freescale Semiconductor, Inc.
Dan Manole	USNC Rep SMB SG #1	Rockwell Automation
Evans Massey	Chair, USNC/IECEX	Baldor Electric Co.
James Matthews, III	IEC VP/SMB Chair	Corning Incorporated
Timothy McNeive	Council Member	Thomas & Betts
Edward Mikoski, Jr.	Council Member	ECIA
Thomas L Phinney†*	TA, TC 65	
Philip Piqueira	USNC President	GE
Peter L Pondillo	Council Member	Corning Incorporated
Gary Rackliffe	USNC Rep SMB SG #3	ABB Inc.
Stephen Rood	Council Member	Legrand/Pass & Seymour
Stanley H Salot, Jr.	Council Member	ECC Corp.
Sam Sciacca	Council Member	SCS Consulting (IEEE)
Gary Schrempp	Council Member	Dell, Inc.
Jack Sheldon	SMB Secretary	IEC Central Office
John Thompson	Guest	Underwriters Laboratories

Stephen Tisdale	DTA, TC 47	Intel Corp.
David A Vasco	Council Member	Rockwell Automation
Robert A Williams	USNC VP – Finance	UL
Trudie Williams	Council Member	US DoD

Members Not Participating

Wynn Bowman	Member	Star Associates Int’l (ECC Corp)
Bernie Liebler	Member	AdvaMed
Dennis Oddsen	Member	Hubbell
Florence Otieno	Member	TIA
Matt Williams	Member	AHAM

* = Via Teleconference

† = Part Time

Section 1 – Organizational Matters

1.1 Welcome, Opening Remarks and Introductions

Alec McMillan called the meeting to order at 9:00 a.m. (EST) and welcomed everyone to Arizona. He then thanked Ken Gettman, Vice-Chair of the TMC, for presiding over the last TMC Meeting in Rosslyn, VA. Mr. McMillan also expressed his appreciation to Stan Salot and the Small Business Development Center at Central Arizona College for hosting the TMC.

1.2 Approval of Agenda (USNC/TMC 816)

1.2.1 Approval of Consent Agenda

Mr. McMillan called attention to the Consent Agenda (USNC/TMC 816) and made two additions to USNC/TMC 818 *Recommendations for Certificates of Appreciation* in the names of Ron Reimer and Randolph Roy. He then asked if any items should be removed for detailed discussion. None were suggested, it was moved, seconded and

VOTED #1 To approve the Consent Agenda (USNC/TMC 816)
(This motion was approved unanimously.)

1.2.2 Approval of Balance of the Agenda (USNC/TMC 816)

Mr. McMillan invited any additions or changes to the balance of the agenda and none were suggested for this Agenda. It was moved, seconded and

VOTED #2 To approve the Balance of the Agenda (USNC/TMC 816)
(This motion was approved unanimously.)

Section 2 - Status of Outstanding Action Items

Action Item #1

It was decided that a call would go out to the USCCTEL membership as well as other interested parties to solicit nominations for the USNC’s Representative to ACTEL.

Status: Completed

Action Item #2

Mr. Gettman directed the MOP TF to develop both the scope and terms of reference for a new TMC subcommittee on the TAG Model Operating Procedures.

Status: Completed

Action Item #3

It was decided that Messer's Zegers, Heirman and Zertuche put together a proposal on the USNC's future involvement in IEC/TC 1, IEC/TC 3 & SCs and IEC/TC 25 for the TMC to decide on at their next meeting

Status: Completed

Action Item #4

It was announced that Charlie Zegers, Tony Zertuche and Don Heirman would meet to revise and update the Group Manager Roles and Responsibilities document.

Status: Ongoing – See Section 7.4

Section 3 - CENELEC Reply to the USNC White Paper on the Application of the Dresden Agreement

Alec McMillan begin the discussion by briefing the TMC on the informal meeting held between the USNC Officers and Elena Santiago and other CENELEC Representatives at the General Meeting in New Delhi. At that meeting, there was a general feeling on the part of the CENELEC representatives that the Dresden Agreement is working exactly as it should be and that any problems that non-CENELEC entities might have with the Agreement most likely stem from misunderstandings of how it should be implemented. The USNC Officers at the meeting were informed that CENELEC would give a presentation at the next SMB Meeting in Geneva that would hopefully address the Dresden Agreement issues. It was also noted that CENELEC might be open to the publication of a guidelines document that would accompany the Dresden Agreement. Also, after the meeting in New Delhi, CENELEC issued a reply to the USNC White Paper that specifically addressed each the USNC Task Force's concerns.

Mr. Swanson informed the TMC that CENELEC did a good job of addressing the specific examples given in the Task Force's White Paper and that it was now the USNC's turn to formally respond to CENELEC's reply. Rather than address CENELEC's comments item by item, the USNC Task Force opted to respond to just a few overarching issues in their draft response that is now under review (**ATTACHMENT A**). For example, in 2012, 3 of 91 NWIPs developed in CENELEC were offered to IEC which begs the question, "Can the European and international timelines/requirements be that different?" Although the Task Force was generally satisfied with CENELEC's response, there is still a pervasive feeling that the Dresden Agreement favors the European members, not in and of itself, but because European Committees have the votes to implement their wishes. Therefore, it was agreed that for now the USNC would keep an eye on any emerging problems and bring them to the attention of CENELEC as they occur. In addition, the official USNC response will be reviewed and revised by the TMC and President Phil Piqueira before sending it to Elena Santiago and CENELEC (**ACTION ITEM #1**).

A discussion emerged about the usual response from CENELEC regarding the fact that a high percentage of CENELEC standards are identical to IEC Standards unlike American National Standards (ANS). It is generally acknowledged that the US lags far behind the EU in harmonization of national and regional standards with IEC Standards; however, there are a number of International Standards that, while not ANS, are used or referenced in many instances. Sandy Butterfield, Chair for IEC/TC 88, spoke on the need for the US to accelerate harmonization with/adoption of IEC Standards. It is recognized that officially adopting

IEC Standards as American National Standards can be an arduous process with many feeling it unnecessary to adopt which can be viewed as applying yet another layer to standardization. Mr. Zegers reminded the TMC that USNC Policy strongly encourages adoption of IEC Standards when it is in the best interest of the members. Jack Sheldon also informed the TMC that the categories for adoptions of IEC Standards can be Identical, Modified or Not Adopted. However, many felt that the USNC should not begin a laborious effort to adopt IEC Standards simply to improve a statistic for CENELEC and the IEC. In response to this discussion, Mr. McMillan suggested that the USNC create a database of IEC Standards that are adopted as ANS as well as referenced, used or otherwise unofficially “adopted” (**ACTION ITEM #2**). Otherwise the US will continue to be criticized for not adopting/using IEC Standards by some members of the international standards community. There were various suggestions as to who should undertake the development of the database but, ultimately, the TMC created a Task Force that will be chaired by Jodi Haasz with Sonya Bird as the vice-chair. The other members of the Task Force are:

1. Sandy Butterfield
2. Joe Musso
3. Don Heirman
4. John Green
5. Alec McMillan

Section 4 – Report on USNC Strategic Objectives – Core Element 4: Building recognition of the value proposition of standardization work by current and prospective stakeholders

Tony Zertuche went over the current status of each Action Plan in Core Element 4 of the Strategic Objectives. It was announced that all but a very few of these Action Plans have been assigned champions and subsequently reviewed. The goal here was to prepare a report to the USNC Council at their meeting the following day on the development of Core Element 4 in terms of prioritization and, if necessary, revision. The two areas that garnered the most attention during this discussion were outreach to the Asian National Committees and to US government entities. Mr. McMillan asked that anyone able to take on these Action Items please contact he or Bob Williams so that these items can be properly assigned. Mr. McMillan remarked that, unfortunately, the TMC does not have the kind of relationships with US government agencies that it should. He expressed a desire to have more governmental representatives on the TMC and lamented the dearth of viable contacts to begin the dialogue. To this there was recommendation that the USNC reach out to those government representatives that are on the various USNC TAGs for an entrée to those federal agencies who would benefit from TMC participation. Another suggestion was for a USNC Representative to meet with the few government representatives that the USNC does have a strong relationship with. Ultimately, it was decided that Charlie Zegers would reach out to Scott Cooper, ANSI Vice President for Government Relations, and George Arnold, National Coordinator, Smart Grid Interoperability & Cyber Physical Systems Program Office at NIST to begin the process of increasing government participation on the TMC (**ACTION ITEM #3**). After the discussion, Mr. McMillan announced that he would prepare the report Core Element 4 Report to the USNC Council Meeting the following day.

SECRETARY’S NOTE – Please refer to updated Core Element 4 worksheet (ATTACHMENT B).

Section 5 – Presentation by Jack Sheldon, Standardization Strategy Manager, IEC Central Office

A report was given by Jack Sheldon updating the TMC on new and current activities underway in the SMB as well as the IEC Central Office (**ATTACHMENT C**). He highlighted a number of SMB issues including the following:

- SMB Decisions of Interest
- Systems Approach
- New Technical Areas

- SMB Implementation of the IEC Masterplan

The majority of this presentation dealt with Systems Standardization from definitions to concepts to organization. Mr. Sheldon also explained the rationale for the SMB Decision on TC/SC Chair terms of office as well as the one year pilot underway to gauge the efficiency of remote participation (tele- and videoconferencing) in TC/SC Plenary Meetings.

Section 6 – Standardization Management Board (SMB) – 18 February 2014 SMB Meeting, Geneva

6.1 SMB Systems Evaluation Groups including SEG #1 – Smart Cities

IEC Vice President, Jim Matthews, briefed the TMC on the latest initiatives occurring in the IEC related to Systems Standardization. He specifically dealt with the development of Strategic Evaluation Group 1 on Smart Cities after their inaugural meeting held in Berlin in December of 2013. The primary task of SEG 1 is to summarize and evaluate the status of standardization in the field of smart cities (inside and outside IEC and ISO), and develop plans for new standardization work to be taken in the IEC which may or may not include the establishment of a IEC Systems Committee (SyC). He outlined the organization of the SEG which consists of a Convenors Advisory Group (CAG) as well as 3 Task Groups (TG) with Working Groups under the TGs if needed. Working Groups will only be established based on specific city challenges. The US had three representatives attend this first SEG 1 meeting: Tony Zertuche, Michael Stelts of Panasonic and Ryan Franks of NEMA. The following meeting of SEG 1 was also held in Berlin in February of 2014 and the third meeting will be hosted by the US in the fall of 2014.

6.2 SMB Strategic Group #3/SEG 2 – Smart Grid

Gary Rackliffe gave his first report on SEG 2 Smart Grid since the departure of the primary Representative, Ken Caird. He started off by thanking Mr. Caird for his diligent and extremely productive service as the USNC Representative to SG 3, now SEG 2. He presented his report on SEG 2 which would put forth a proposal for the SEG to transition to a Systems Committee (SyC). He also announced that the highly regarded Smart Grid Standards Mapping Tool developed in SG 3 would be maintained in the Systems Resource Group when it launches. To this there were two major concerns that emerged from the proposal. It was questioned why SEG 2 needed the SMB to “strongly encourage” IEC TCs/SCs to join the new SyC. It is felt that these liaisons should already be established before the transition to a Systems Committee is implemented. A SyC should have the proper interest and engagement by all stakeholders, both participants and observers. A second issue came about from the name change of the group from Smart Grid to Smart Energy. The title of Smart Energy seems very broad and does not properly illustrate the work that will be handled in the Committee. Also, many of the aspects covered by the term “energy” are being addressed by other IEC entities, i.e. ACEE. To this, Mr. Rackliffe responded that the scope of the SyC would need to move beyond activities that lay within the “grid” to encompass many other aspects including electricity, gas and heat. Specifically, he noted that heat and power applications, how you manage energy, and how that impacts the Grid, especially for the consumer will all need to be addressed by the new Committee. Overall, there was a feeling that the transition to a SyC is moving too fast and without sufficient adherence to the process set up for SEGs. Essentially, the TMC had no problem with the scope per se as much as they do with the title of “Smart Energy”.

6.3 Advisory Committee on Energy Efficiency (ACEE) and USNC Coordinating Committee on Energy Efficiency (USCCEE)

Dan Manole reported on the recent activity in ACEE including highlights from the meeting in Singapore in October 2013 (ATTACHMENT D). He outlined the structure and organization of the Committee which has three task teams on the definition of energy efficiency aspects (functions), description of energy efficiency organization, and derivation of generic approaches per function. There is also Study Group 1 which deals with the overview of existing energy efficiency publications.

Some of the highlighted issues for the TMC included:

- ACEE has not yet outlined a plan to align its activities with the peer SMB groups and committees: the Smart Cities & Smart Grid and the Advisory Committee on Environmental Aspects (ACEA);
- US experts in IEC WGs may not be yet knowledgeable of the ACEE and its ToR and work plan;
- There seems to be confusion, at times, whether a certain topic related to energy efficiency is a matter of Systems, Smart Grid, Energy Efficiency, or Environment. Mr. Manole suggested that the ACEE Task Teams may address this issue by identifying the many ways the energy efficiency is addressed and how the standards are interconnected.

In conclusion, Mr. Manole recommended the USNC Coordinating Committees on Smart Cities & Smart Grid, ACEA, and ACEE perhaps hold a workshop to develop the US position on what is needed for those four entities to collaborate when addressing energy and energy efficiency topics and provide consistent recommendations for the SMB and Guides to technical committees. It was noted that currently there are 8 members of the US Coordinating Committee on Energy Efficiency.

6.4 SMB Strategic Group #4 – LVDC

Mr. Gettman updated the TMC on the current activities in SG 4 that echoed the report given to the SMB at its meeting in New Delhi. Although there is still interest in LVDC, it continues to be “niched” interest from specific activities, i.e. data centers and telecom offices. Unfortunately, the move to wide-scale adoption has not occurred since the related manufacturers are not inclined to make the necessary investments. In his recommendation, Mr. Gettman asked that the USNC encourage members to commit resources to ensure that product, system and installation standards adequately address application of LVDC in all possible configurations and uses. Mr. McMillan asked what the endgame is looking like for SG 4. Mr. Gettman responded that TC 64 has taken a kind of coordination role for many SG 4 activities on the product level. He is hopeful that the work of SG 4 will ultimately be transferred over to TC 64. There was, however, a feeling by some that there is a larger potential for LVDC in the future that goes beyond the niche areas that SG 4 has concentrated on. There was a question asked about whether a roadmap could be developed to help address these challenges. Realistically, it appears that there will need to be more market demand before the technology moves forward because of the large investments needed by the power plants. There is a meeting scheduled for SG 4 in April with a report due to the SMB, most likely in June.

6.5 SMB Strategic Group #5 – Ambient Assisted Living (AAL)

Kim Delort spoke to the written report she submitted to the TMC that dealt with decisions made at the last SG 5 meeting held in Japan. She reminded the TMC that the Group is actually divided into 3 teams: Data Security, Status and Modeling; and briefly went over each team’s tasks. She announced that SG 5, at their October 2013 meeting, agreed to submit to the SMB a proposal to have SG 5 transformed to a System Evaluation Group (SEG). There was general agreement with this initiative; however, a question arose regarding the proposal from the German NC for a new Advisory Committee on Data Security and Privacy. The question had to do with whether there is a need for such an AC to be created. To this, Ms. Delort responded that safety and reliability in terms of data have already been addressed but that the vital area of security and privacy of data has not, at least not in the realm of the IEC. The concern of SG 5 is that there are no existing guidelines in the IEC on how to handle secure data and that guidance is needed for the future. Mr. McMillan suggested that he would propose an ad hoc group within the SMB before moving too fast to an Advisory Committee on Data Security. Ms. Delort supported this proposal. Whatever group is created, there was strong agreement that JTC 1 needed to be included in the discussions. Finally, Ms. Delort agreed to become the USNC Representative to the new SEG on AAL if the Group is formed. A question was asked whether or not the V-TAG for SG 5 would be transitioned to a V-TAG for the SEG and, if necessary, subsequently to a SyC. To this Mr. Matthews reminded the TMC that an SEG functions as an open participation process which would not necessarily warrant a V-TAG, it might be better served with a Coordinating Committee. It was agreed that further investigation into this subject is needed. The next meeting of SG 5 was set for March 2014 in Belgium.

6.6 SMB Strategic Group #6 – Electrotechnology for Emobility

Kevin Lippert gave a brief report on the Strategic Group which continues to build traction. The Group is still working on the draft EV Roadmap as well as the mapping tool that it hopes will be as successful as that of SG3's on which it is based. Mr. Lippert informed the TMC that SG 6 continues to prepare their exit strategy in 2014 for the SMB to review. He acknowledged that more work needs to be done in terms of outreach for membership from both inside and outside the IEC. Unfortunately, there continues to be very little input domestically, even within the V-TAG for SG 6.

6.7 Advisory Committee on Electricity Transmission and Distribution (ACTAD) and US Coordinating Committee on Electricity Transmission and Distribution (USCCTAD)

Joe Koepfinger called in and reported on the work being undertaken in ACTAD including preparations for the US to host the Advisory Committee at ANSI's offices in New York (**ATTACHMENT E**). Mr. Koepfinger highlighted an activity in ACTAD dealing with the creation of a Future Vision Roadmap that deals with upcoming trends in electricity transmission and distribution in the different regions of the world. It is felt by some in the community that, due to changing regulations and technology, long range plans are not being made by the electric utility industry. In this effort, Joe Koepfinger is to address the North American activities and he informed the TMC that contacts have been made with NERC, various utility executives and the Department of Energy. However, he added that this endeavor is too big for him to cover on his own and asked for some support from other USNC members. To this, Sandy Butterfield announced that a group in his industry is doing exactly this kind of analysis. Jonathan Colby also spoke about similar activities in his sector dealing with the questions of future planning. Therefore, it was recommended that Sandy Butterfield and Jonathan Colby would reach out to Joe Koepfinger and help coordinate input for the ACTAD Future Vision Roadmap.

Throughout his report Mr. Koepfinger voiced his concern that too often lately; certain groups in the IEC are initiating new technical activities without properly considering all other options to undertake the work. He asked the question whether standards are driving technology or is technology driving standards; adding that standardizing too quickly frustrates innovation.

6.8 Advisory Committee on Electromagnetic Compatibility (ACEC) and US Coordinating Committee on EMC (USCCEMC)

Don Heirman gave a comprehensive report to the TMC on ACEC and the USCCEMC (**ATTACHMENT F**). The last meeting of ACEC was held in December 2013 in Abu Dhabi where Don Heirman presided as chairman and also represented CISPR. He informed the TMC that he would also be giving the ACEC report to the SMB in Geneva. Some other topics that were highlighted were:

- Coordination between TC13 and TC22
- Wire power transfer
- EMC standards to the Smart Grid mapping tool
- Guide 107
- Continued identification of TCs that have EMC issues

A question was asked as to the strength and depth of EMC expertise in the US. Mr. Heirman responded that succession planning in his various committees was underway with calls going out to TC and SC Secretaries to come up with specific names of individuals that may be working in related areas. He admitted that this was an issue for EMC with one of the committees losing as much as 40% of their membership in the coming years. He attributed the difficulty in recruitment to many factors including shrinking budgets, job transitioning and the length of time needed to develop standards.

6.9 Advisory Committee on Safety (ACOS) and US Safety Coordinating Committee (USSCC)

Mark Earley briefed the TMC on ACOS and the USSCC (**ATTACHMENT G**). Of the issues he noted, Mr. Earley specifically highlighted IEC Guide 117, whereby ACOS responded to the comments by Consumers International regarding temperatures of touchable surfaces and the notion that the Guide is tricky to use. He explained that Guide 117 is not meant for the general public but instead for the TCs to use in the development of standards. Mr. Earley also mentioned the TC 22 report and its Group Safety Publication which developed safety requirements for power electronic converter systems and equipment that was to be used by the alternative energy community; however, it has become clear that neither TC 82 nor 88 were using it. The ACOS Secretary will reach out to these committees and ask them to make use of the guides or report back to ACOS to explain what ways the guide is not useful to them. He noted that Guide 51 has passed in both ISO and IEC and its publication is set for early in 2014. Finally, there are now PowerPoint presentations on the IEC Safety Guides on the ACOS dashboard on the IEC website.

6.10 Advisory Committee on Environmental Aspects (ACEA) and USNC Coordinating Committee on Natural Environmental Aspects (USCCENV)

Mark Frimann did not call in or submit a report. ACEA will be reporting to the SMB at their meeting in June in Frankfurt.

6.11 Advisory Committee on Telecommunication (ACTEL) and US Coordinating Committee on Telecommunications (USCCTEL)

Mr. McMillan reminded the TMC that a USNC Representative to ACTEL has still not been found and that this was extremely troubling as the US is very active in the telecommunications field and should be active in the IEC's Advisory Committee.

6.12 Consideration of USNC Positions for the 18 February 2014 SMB Meeting in Geneva

Mr. McMillan asked if there were any action items from the Draft Agenda for the 18 February 2014 SMB meeting in Geneva that were not being addressed elsewhere in the TMC Meeting. The proposal from the Chinese NC for a new Systems Evaluation Group dealing with Micro Grid was the only issue that garnered significant discussion. There was general consensus that the USNC position on this proposal should reflect the feeling that there is no real need for an SEG on Microgrids as the activities in the Smart Grid groups cover this kind of work.

All other SMB Agenda items were addressed at other points during in the TMC Meeting.

6.13 Directives Maintenance Team

Mr. Zertuche reported on the latest issues addressed by the last IEC DMT and JDMT Meetings held at the ANSI Offices in New York in December. A task force has been created to work on the revision of the ISO/IEC Directives Part 2 which will be headed by IEC SMB and DMT Member, Martin Danvers of the UK. Another initiative on the IEC DMT's agenda is the possible consolidation of Part 1 of the ISO/IEC Directives with the IEC Supplement. The result of this would be one set of Directives for the procedures of the technical work in the IEC as opposed to having two separate guides (Part 1 and the IEC Supplement). The specific procedures in the IEC Supplement would be integrated into Part 1 of the Directives under the related sections for faster and easier reference. Finally, a new annex to the IEC Supplement is under development that will focus on outlining the rules and procedures for Systems Standardization in the IEC. The first draft of this document has been written by Tony Zertuche based on text from the documents created by SMB ahG 35 on Systems Standardization. The next meeting of the IEC DMT will be held in Frankfurt on 14-15 April 2014.

Section 7 – Management and Communication Items

7.1 Reports TAs, Secretaries in Attendance

7.1.1 IEC/TC 65 Industrial Process Measurement, Control, and Automation

Tom Phinney, TA for TC 65 and SC 65C TAGs, gave a presentation (**ATTACHMENT H**) on the work being carried out in TC 65. In his report, he outlined the structure and developing organization of TC 65 including their ongoing projects and deliverables. Mr. Phinney also updated the TMC on the leadership changes occurring in the IEC TC and SCs as well as the USNC TAGs.

7.1.2 IEC/TC 47 Semiconductor Devices

Nicholas Lycoudes and Stephen Tisdale both gave separate presentations on TC 47 and SC 47D (**ATTACHMENT I**). Mr. Lycoudes gave a brief overview of the TC which included scope, structure, current working documents and the challenges facing the Committee. A key to TC 47's success, according to Mr. Lycoudes, is that when faced with difficult documents, the group has found that cooperation between opposing, objective parties works best. The process takes longer this way but they face fewer negative votes throughout development. Some issues facing TC 47 include two technical committees claiming ownership of the same document which usually arises between a process (horizontal) committee and a product (vertical committee). Another challenge comes with IEC vs. ISO documents.

Mr. Tisdale then took over reporting on SC 47D. At the Working Group level, he voiced his frustration at the constant use of abstentions submitted on many of the documents in development. He gave an example of a ballot passing with 3 approvals and 8 abstentions noting that this is no way to create a standard. It is their goal to increase participation in the hopes that members will pay more attention at the earlier stages. There is also a lack of participation at the plenary meetings which inhibits the work being undertaken. Regarding these difficulties, Mr. Tisdale was informed that his Committee has the tools available to it to address them. In their Committee reports to the SMB, SC 47D can highlight the problems and list the members that are not participating which will serve as notice to those National Committees to rectify the situation or run the risk of being dropped from the SC.

Along the lines of increased participation in TC 47, a discussion branched out on the strong need for some kind of comprehensive plan to address succession planning in the USNC. A recommendation was made for a group to be formed to help with membership recruitment and succession planning. The group could look to the TAG Rosters to identify gaps and then engage in a kind of marketing campaign to increase both membership and participation. This campaign could be carried out via the various communications outlets available to the USNC and ANSI. Mr. McMillan suggested that he, Don Heirman and Kevin Lippert meet to explore different options to address this challenge (**ACTION ITEM #4**).

7.2 Task Force on TAG Model Operating Procedures (MOP)

At the last TMC Meeting it was decided that the Task Force on the Revision of the TAG Model Operating Procedures should be transformed into a standing subcommittee of the TMC. The Task Force was directed to develop a scope and terms of reference for a TAG MOP subcommittee. The group now called the TMC Subcommittee of TAG Operating Procedures would have the primary purpose of maintaining and updating, as necessary, the USNC TAG Model Operating Procedures and for administering the related Validation Process for any unique operating procedures submitted by TAGs. Mr. McMillan announced that the proposed Terms of Reference for the new Subcommittee would be circulated to the TMC for comment and approval. In response to this E-Ballot, TMC Members are also asked to submit any topics or issues that they wish the Subcommittee to address in its scope (**ACTION ITEM # 5**). Mr. McMillan also requested that a call go out to the USNC for new members as well as a new Chair for the group (**ACTION ITEM #6**) - (**ATTACHMENTS J & K**).

Ms. Bird then asked that the latest revisions to the TAG Model Operating Procedures be approved by the TMC for inclusion in latest edition that was already approved.

7.3 Call for TAs, IEC Secretaries, TAG Secretaries and USNC Non-Memberships

Mr. Zertuche informed the TMC of the various USNC/IEC positions that need to be filled for upcoming terms as well as opportunities for new TC/SC membership.

7.4 USNC Involvement in IEC/TC 1, IEC/TC 3 & SCs and IEC/TC 25

Mr. Heirman gave an update on participation and financing of the TAGs for IEC TC 1, TC 3 and TC 25. He reminded the TMC that the USNC is a P-Member to both TCs 1 and 25 but a Non-Member of TC 3 and that those participants in the TAGs for TC 1 and 25 are waived from paying the TAG membership fees. This waiver was installed in the hopes that interest would be sparked enough to enable the fees to be reinstated at a later date. A meeting was held with the TC 25 TAG leadership where it was established that interest in the work remains high, however, the introduction of fees would surely diminish participation. Regarding TC 1, the TAG Administrator has announced its decision to relinquish the position which will render the TAG unviable if no other organization is found to take over. Also, the lone USNC Representative, Dr. Ralph Showers, has passed away and there has been no one to take his place as the US Member. An announcement would be made in ANSI's Standards Action to make a call for a new TAG Administrator. If no entity requests this assignment, the TMC will consider registering the USNC as a Non-Member of IEC/TC 1.

7.5 Group Manager Assignments

The small task force assigned to review and revise the Group Manager Roles and Responsibilities document met in early December to begin developing the new guidelines. The revised draft of this document will be sent out to the TMC Subcommittee for TAG Operating Procedures where it will be maintained from now on.

Mr. Zertuche announced that Bob Kretschmann of Rockwell Automation would be replacing the retiring Ron Reimer on the TMC and assuming his Group Manager assignments. He also mentioned that Dennis Oddsen had become a USNC Council Member and so gave up his position on the TMC so a replacement would have to be found or else his GM assignments distributed amongst the other GMs.

7.6 USNC Workshops and Webinars

Elaina Finger updated the Committee on the 2014 training activities being planned by the USNC's Communication and Continuing Education Committee. She reminded the TMC that there would be no TAG Leadership Workshop in 2014 as this is given every other year. There will be two Instructor-Led webinars in the year and will now be entitled, "Effective IEC Participation". In addition, there will be a co-sponsored workshop with the IEC Central Office staff on standards development and the IEC's IT Tools. There are other training events under development which will be made known to the USNC once the plans are finalized.

Section 8 – Forum of the IEC National Committees of the Americas Meeting (FINCA)

Mr. Zertuche briefed the TMC on the last meeting of the Forum hosted by the US in Miami in September of 2013. This was a very productive meeting as all outstanding concerns with the white paper on the future and direction of FINCA, as well as the MoU with COPANT, had been addressed and both documents approved. There were also two panel discussions held in conjunction with the meeting dealing with young professionals programs and conformity assessment in the Americas. FINCA and COPANT are now trying to coordinate a signing event for the MoU in the near future. The next FINCA meeting will be held in Santiago, Chile in the fall of 2014 with a workshop that will deal with increasing industry involvement. Finally, in a related note, Mr. Zertuche informed the TMC that the USNC had approved Chile as the next protégée National Committee in the USNC's Mentoring Program.

Section 9 - Technical and/or Policy Issues for Consideration

9.1 IEC Leadership Elections

The following Elections/Appointments took place at the October IEC General Meeting in New Delhi:

- Re-Election of James E Matthews, III – IEC VP and Chair, SMB, Three-Year Term

(2014 – 2016)

- Appointment/reappointment of six “Automatically Appointed Members” of the SMB for three-year terms of office (2014-2016)
 - Herve Rochereau – France
 - Thomas Sentko – Germany
 - Cristina Timo – Italy
 - Shuji Hirakawa – Japan
 - Anne Humberstone – UK
 - Alec McMillan - US
- Election/re-election of three members of the SMB for three-year terms (2014-2016)
 - Jose Sebastiao Viel – Brazil
 - Jos Remy – Netherlands
 - Alexander V Zazhigalkin – Russian Federation

9.2 COPANT TC 151 & TC 152

Mr. Eckhart reported on both COPANT TCs and the renewed push for US participation (**ATTACHMENT L**). Most activity in these Committees occurs in TC 152 with 151 meeting for only about 2 hours and the 152 agenda taking 2 ½ days. Unfortunately, the US had no industry participation at these meetings held in Havana, Cuba in November 2013. However, it is encouraging that AHRI has been quite active in TC 151 of late. A general item of note is that Latin American governments continue to adopt mandatory efficiency standards. Mr. Eckhart remarked that, to his knowledge, there are no manufacturers in the US whose products are being impacted by any of these COPANT efficiency standards. Nevertheless, it is recommended that the trade associations whose members manufacture these products keep a close watch on these activities since they could be greatly affected by any upcoming mandatory efficiency regulations. The next meeting of these COPANT TCs will be held in Asuncion, Paraguay, date TBD.

Section 10 - IEC General Meeting 2013 – New Delhi, India

Phil Piqueira gave a short wrap-up of the USNC’s activities at the General Meeting held in India in October including an update on the bilateral meetings held with the National Committees of Germany, Japan, Korea, Canada, as well as discussions with the IEC Officers and CEN/CENELEC. Mr. Piqueira also touched on the USNC’s involvement in the 2013 IEC Young Professionals Workshop where the US streak of having one of our Young Professionals elected as YP Leader remains unbroken as Ethan Biery of Lutron Electronics has made it three in row.

Section 11 – Other Business – TMC Vice-Chair

Mr. McMillan informed the TMC that the Committee had been remiss in not calling for elections in 2012 for the position of Vice-Chair of the TMC. He then asked that any members who would like to be considered for the position, including incumbent Ken Gettman of NEMA, should submit their names to Tony Zertuche by the end of February (**ACTION ITEM #7**).

Section 12 – Future Meeting Dates

The following meeting dates for 2014 and beyond were announced.

Sunday – Thursday, 20 – 24 April 2014

COPANT General Assembly

Havana, Cuba

- Tuesday, 22 April – Workshop: Education about Standardization (AM) Workshop: Young Professional Programs (PM)

- Thursday, 24 April – Workshop: Conformity Assessment (SCC)

Friday – Sunday, 25 – 27 April 2014
US Science/Engineering Festival – Exhibit
Washington, DC

Tuesday – Thursday, 29 – 30 April, 1 May 2014
CAPCC/TMC/Council
Rockwell Automation, Mayfield Heights, OH

Friday, 2 May 2014
Standards Simulation Event
“Setting Standards: A Simulation Exercise in Strategy and Cooperation in Standardization Processes.”
Rockwell Automation, Mayfield Heights, OH

Monday – Friday, 5 – 9 May 2014
PASC Malaysia

Tuesday, 17 June 2014
SMB Meeting, Frankfurt

Tuesday – Thursday, 30 September - 2 October 2014
CAPCC/TMC/Council
TIA, Arlington, VA

78th IEC General Meeting Tokyo, Japan
10 – 14 November 2014
- **SMB Monday, 10 November**
- **CAB Monday, 10 November**
- CB Wednesday, 12 November
- Council Friday, 14 November

Tuesday – Wednesday, 18 – 19 Nov 2014
IEC Advisory Committee on Electromagnetic Compatibility (ACEC)
IEEE Piscataway, NJ

2015
79th IEC General Meeting
Belarus

***2022**
86th IEC General Meeting
USA

Section 13 – Summary of Action Items

Action Item #1

2014-01-22

USNC Office

The official USNC reply to CENELEC’s response letter will be developed by the Task Force and reviewed and revised by the TMC in conjunction with President Phil Piqueira before sending it to Elena Santiago and CENELEC.

Action Item #2

2014-01-22

J Haasz, S Bird

Mr. McMillan suggested that the USNC create a database of IEC Standards that are adopted as ANS as well as referenced, used or otherwise unofficially “adopted” The TMC created a Task Force that will be chaired by Jodi Haasz with Sonya Bird as the vice-chair. The other members of the Task Force are:

1. Sandy Butterfield
2. Joe Musso
3. Don Heirman
4. John Green
5. Alec McMillan

Action Item #3

2014-01-22

C Zegers

It was decided that Charlie Zegers would reach out to Scott Cooper, ANSI Vice President for Government Relations, and George Arnold, National Coordinator, Smart Grid Interoperability & Cyber Physical Systems Program Office at NIST to begin the process of increasing government participation on the TMC.

Action Item #4

2014-01-22

A McMillan, D Heirman, & K Lippert

A recommendation was made for a group to be formed to help with membership recruitment and succession planning. The group could look to the TAG Rosters to identify gaps and then engage in a kind of marketing campaign to increase both membership and participation. This campaign could be carried out via the various communications outlets available to the USNC and ANSI. Mr. McMillan suggested that he, Don Heirman and Kevin Lippert meet to explore different options to address this challenge.

Action Item #5

2014-01-22

USNC Office

Mr. McMillan announced that the proposed Terms of Reference for the new Subcommittee of TAG Operating Procedures be circulated to the TMC for comment and approval. In response to this E-Ballot, TMC Members are also asked to submit any topics or issues that they wish the Subcommittee to address in its scope.

Action Item #6

2014-01-22

USNC Office

Mr. McMillan requested that a call go out to the USNC for new members to the Subcommittee of TAG Operating Procedures as well as a new Chair for the group.

Action Item #7

2014-01-22

TMC Members

Any members who would like to be considered for the position of Vice-Chair of the TMC should submit their names to Tony Zertuche by the end of February.

Section 14 – Adjournment

Alec McMillan thanked the TMC for its participation and the meeting was adjourned at 5:25 PM EST.

Respectfully submitted:
Tony Zertuche
Deputy General Secretary USNC
4 April 2014