



**USNC TECHNICAL MANAGEMENT COMMITTEE
DRAFT MINUTES**

**Hosted by UL
12 Laboratory Drive
RTP, NC 27709**

**Wednesday, 24 January 2018
9:00 am – 4:00 pm (EST)
(Meeting #53)**

Members Participating

Sonya Bird, USNC VP – Technical, Chair	UL
Robert Kretschmann, Vice Chair	Rockwell Automation
Ethan Biery	Lutron Electronics
Wynn Bowman	Star Associates International
Hae Choe	AAMI
Jonathan Colby	ARESCA
Matthew Williams	AHAM
Timothy Jeffries	Huawei R&D USA
William Lawrence	FM Approvals
Joseph Musso	UL
Ryan Franks	CSA Group
Ken Gettman	NEMA
Toby Gillespie	GE
Tom Buchal	Intertek
Charley Robinson	International Society of Automation
Florence Otieno	TIA
Veronica Lancaster	CTA
John Thompson, USNC President	UL
Tim Duffy, USNC VP – Conformity Assessment	Rockwell Automation
Steve Rood, USNC VP – Finance	Legrand NorthAmerica
Phil Piqueira, USNC Past-President	UL
Tony Zertuche, USNC General Secretary	USNC/ANSI

Guests Participating

Paul Green	Intel
Brent Cain	Itron Inc.
Jim Matthews	Corning Incorporated
Donald Heirman	US EMC Standards Corp
Randy Dollar	Siemens
Elaina Finger	Corning Incorporated
Jennifer Padberg	AAMI
Kevin Lippert	Eaton Corp.
Evans Massey	Baldor Inc.
Amy Marasco	Microsoft
Elizabeth George	Phillips

Brian Meinke*	ASTM
Paul Moliski	Intertek
Tom Blewitt†	UL
Richard McDermott	ECCC
Edward Mikoski, Jr.	Electronic Components Industry Association
Alec McMillan*†	Rockwell
Manyphay Viengkham*†	GE
Joe Tretler	ANSI
Kendall Szulewski-Francis	USNC/ANSI

Members Not Participating

Calvin Luong	CSA Group
Steve Swanson	Corning Incorporated

* = Via Teleconference

† = Part

Section 1 – Organizational Matters

1.1 Welcome, Opening Remarks, Introductions

Sonya Bird, TMC chair, called the meeting to order at 9:00 AM (EST). She thanked all those in attendance and expressed appreciation to UL for hosting these USNC meetings. Ms. Bird also introduced the new TMC members, Mr. Timothy Jeffries (Huawei R&D USA), Mr. Toby Gillespie (GE), and Bill Fiske (Intertek).

1.2 Approval of the Agenda

Ms. Bird suggested three additions to the agenda – SG 11 report and an IEC Masterplan update to section 6 and an update on the IEC Academy to section 8. It was moved, seconded and

**VOTE #1 To Approve the Agenda with Changes (USNC/TMC 959A)
(This motion was approved unanimously)**

1.2.1 Approval of Consent Agenda

**a) Approval of Minutes, Wednesday, 13 September
TMC Meeting in Corning, NY**

Ms. Bird drew attention to the minutes from the September 2017 TMC meeting. No comments were offered. It was moved, seconded and

**VOTE #2 To Approve the Minutes from the TMC Meeting in Corning on 13
September 2017 (USNC/TMC 958)
(This motion was approved unanimously)**

b) Report on Appointments/Reappointments

No comments were offered on this item.

c) US Hosted Meetings

No comments were offered on this item.

1.2.2 Approval of Balance Agenda

No comments were on the Balance of the Agenda and it was considered approved.

Section 2 – Status of Outstanding Action Items

Ms. Kendall Szulewski-Francis reviewed the outstanding action items from the previous meetings:

ACTION ITEM #2017-6-2 – It was suggested that the USNC, and IEC, promote the use of liaisons and other tools (collaboration pages) as solutions to certain types of issues such as scope overlap, expert/participant conflicts, lack of information sharing, etc. Mr. Ken Gettman, Mr. Alec McMillan, and Mr. Joe Musso volunteered to write articles for a future edition of the USNC Current on these tools and solutions.

Status: Pending

Secretary's Note: This item will be completed by the end of the first quarter of 2018.

Section 3 – IEC/TC 100 and Its Use of Technical Areas

Ms. Veronica Lancaster gave a presentation on IEC Technical Areas (TAs), and how TC 100 uses TAs within the USTAG (**ATTACHMENT A**). Ms. Lancaster highlighted the following items:

- The USTAG to TC 100 is currently undergoing a restructuring of its Technical Areas. This restructuring will be completed by spring, 2018. A question was posed regarding the complexity of this restructuring process and Ms. Lancaster stated that this transition process has been easier than originally anticipated. To ensure a smooth transition, CTA included the USTAG leadership, TAG experts and participants in the planning process. In addition, the USTAG already established the leadership for the new TAs.
- In regards to the work done by TC 100, it is exclusively done in Project Teams (PT). These Project Teams, which are related to each other by addressing a common topic/issue (e.g. technology or application), are then clustered in a single Technical Area.
- A TA is active as long as the projects that are being addressed are ongoing, and a TA is disbanded when all the projects under its purview have been completed.
- TC 100 also has a General Maintenance Team (GMT), two advisory groups, as well as a few specific projects listed directly under TC 100 and not reorganized into a TA or PT. The two advisory groups are Advisory Group on Strategy (AGS) and Advisory Group on Management (AGM).
- The differences between a SC and TA:
 - Unlike participation in an SC where an NC or individual is not required to participate in the TC, an NC or individual must participate in TC 100 in order to appoint experts to a specific Technical Area's PT.
 - National bodies do not have the right to vote in TAs. There are no votes at the TA level. TAs prepare documents for approval at the TC 100 Plenary. National bodies vote at the TC level, unlike an SC where an NC can vote at the subcommittee level.
 - While TAs do have a separate leadership structure for administrative and management purposes, TAs do not act independently of the TC. TAs cannot form any working groups like SCs can, and all actions are reported to, and decisions made by, the TC.
 - Technical Areas cannot develop an International Standard (IS) separate from the TA's parent TC. All information is incorporated into the main TC 100 strategic business plan, program of work, etc., as TAs cannot produce any of this information independently from the parent TC.

Comments articulated during this discussion are as follows:

- It was requested that the PowerPoint slides be distributed as soon as possible (**ACTION ITEM #1**).
- It was noted that this item is not yet on the SMB agenda for discussion, and further conversation regarding Technical Areas and their possible implementation will take place at the upcoming Directives Maintenance Team (DMT) meeting in Vienna, Austria in February.
- Making the use of Technical Areas more widely available was suggested by the DMT to provide TCs with a more efficient and flexible way to confront the rapidly changing technical landscape. While no one can say for certain, it is thought that the integration of Technical Areas would be a slow and steady process.
- A question was posed as to whether Ms. Lancaster and CTA had seen an improvement in the work produced by TC 100 since establishing the use of TAs. Ms. Lancaster responded that it is a bit too soon to determine the overall success of TAs, but the use of flexible PTs have helped move the work forward more efficiently.
- Ms. Bird stated the recent decision to establish a Technical Areas Task Force and encouraged interested TMC members to join.
- A question was asked about the last time a Technical Area was disbanded. Ms. Lancaster replied that to her knowledge, no TA had been disbanded to date. A concern was expressed regarding the longevity of TAs and why, if the TA structure was to facilitate more fluid creation and disbandment of subgroups, no TAs had been disbanded to date.
- Another concern was shared about the USNC being prepared to handle the possible implementation widespread TAs in terms of the USNC's TAG and financial structures.
- It was acknowledged that the USNC needs to establish "guardrails" regarding TAs to ensure the USNC's continued financial viability and health. However, it is also important that the USNC be flexible and progressive to best serve the USNC members and US interests. In addition, it was stated that implementing any new financial policy should be done in an organized and effective way so the participation and/or work of the USTAG to TC 100 is not negatively affected.
- It was suggested that the DMT discuss drafting a communications document to provide more information regarding the wide-ranging implementation of Technical Areas.

Section 4 – IEC Meeting Fees

Ms. Bird led a discussion regarding issues that large committees face in securing meeting space. IEC/TC 61 raised this issue in its report to the SMB, which would be discussed at the SMB meeting in Vienna, Austria in February 2018. IEC/TC 61 requested that the IEC look into ways to allow TC/SC/WG meetings to be hosted at international locations made available by the IEC or authorize organizing National Committees to charge a delegate meeting fee to cover related meeting costs.

Comments articulated during this discussion are as follows:

- This topic had been discussed by the SMB previously, but clearly continues to be an issue for large committees. In 2012 when the SMB first broached this topic, the only agreeable solution was to create the [IEC Meetings Guide](#) currently in use, which outlines basic rules that must be followed when planning an IEC committee meeting, rules such as not charging meeting fees or requiring delegates to stay at certain hotels. The TMC requested that a link to the IEC Meeting Guide be distributed (**ACTION ITEM #2**).
- A TMC member stated that the IEC also created the Meeting Bank. However, this database was not widely used or publicized, and therefore was not successful.
- It was suggested that to assist with meeting costs, the IEC create a "meeting scholarship fund" to assist experts that may be facing financial difficulties. This way groups could charge a reasonable meeting fee to help cover the administrative costs, and options would be available for those who may need assistance.

- A TMC member highlighted that another topic that must be discussed in conjunction with meeting space/fees is the size of these committees. Are some of these Committees getting too big?
- It was also noted that the issues associated with meeting space availability and hosts extends to the conformity assessment groups as well.
- Another option mentioned was the use of open workspaces (like WeWork), local/community centers, or Universities.

The USNC staff was asked to create an internal meeting guide/bluebook as a general reference document for all USNC committees/groups (**ACTION ITEM #3**).

Section 5 – IEC Committee Reports

5.1 SMB SyC Smart Energy

A written report was distributed with the agenda, USNC/TMC 959A.

5.2 SMB SEG 8 Communication Technologies and Architecture

The written report was distributed with the agenda, USNC/TMC 959A. It was noted that the next SEG 8 meeting will be held 26 February – 1 March 2018 in Milpitas, California.

5.3 SMB SEG 9 Smart Home/Office Building Systems

A written report was distributed with the agenda, USNC/TMC 959A.

5.4 Advisory Committee on Energy Efficiency (ACEE) and US Coordinating Committee on Energy Efficiency (USCCEE)

A written report was distributed with the agenda, USNC/TMC 959A.

It was noted that the US needed to approve an official US Representative to ACEE. Mr. Sam Roods of the USNC staff was suggested for this position. It was moved, seconded and

**VOTE #3 To Approve the Appointment of Mr. Sam Roods (USNC/ANSI) as the official US representative to ACEE.
(This motion was approved)**

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

A written report was distributed with the agenda, USNC/TMC 959A.

5.6 Advisory Committee on Security (ACSEC)

Ms. Bird noted that this is the second TMC meeting in a row where no report has been received by the US representative, Mr. Brian Fitzgerald from the FDA. It was suggested that a final warning be issued to Mr. Fitzgerald and that if his lack of participation continued, he would be removed as US representative to ACSEC (**ACTION ITEM #4**).

Section 6 – Reports Provided on IEC Committees

6.1 SMB SyC Active Assisted Living

A written report was distributed with the agenda, USNC/TMC 959A. The US Representatives requested that the USNC assist with promoting IEC SyC AAL and the

USTAG. The USNC staff will distribute a call for participation in Standards Action (**ACTION ITEM #5**).

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

A written report was distributed with the agenda, USNC/TMC 959A. An ACEA member stated that given the debate currently surrounding climate change, it might be a challenge to restore trust in specific environmental standards. Many regulations regarding hazardous chemicals, such as what is considered hazardous, etc., are popping up across the industry and it is difficult to generalize these issues for the IEC. ACEA is working on harmonizing the definition of halogen to provide a base for standards work relating to the matter.

6.3 SMB SyC Low Voltage Direct Current Applications

Ken Gettman, on behalf of Brian Patterson, provided a brief update on IEC SyC LVDC and the USTAG (**ATTACHMENT B**). Mr. Gettman highlighted the structure of the IEC's SyC including the creation of two Chair's Advisory Groups (CAGs) – CAG 1, Market Review and Use-Case Development and CAG 2 Coordination and Implementation. In addition, IEEE has also been working on LVDC and the Chair of the IEC SyC, Mr. Vimal Mahendru of India, has been looking into ways IEEE and the SyC could work together to avoid duplicating efforts. Mr. Gettman encouraged anyone interested in joining the USTAG for this SyC to please reach out and contact him directly.

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

Brent Cain provided a brief report on ACTAD and the US Coordinating Committee. Mr. Cain highlighted the key topics discussed at the last ACTAD meeting in August 2017, including Global Energy Interconnect (GEI) and proposals for an optimum structure on HV activity. With regard to GEI, the SMB approved a recommendation from ACTAD in 2016 to consider work on GEI and formed a task team in ACTAD to review and provide recommendations on a MSB white paper on the subject (**ATTACHMENT C**). For more information, please see **ATTACHMENT D**.

A question was posed regarding how the USNC can encourage utilities to participate in the National Committee. It was suggested that the USNC reach out to organizations that do participate through other channels and Mr. Cain volunteered to provide a list of possible utility contacts to the USNC office.

6.5 SMB System Resource Group (SRG)

Manyphay Viengkham called in to report on the SRG and provided **ATTACHMENT E**. Ms. Viengkham will be giving a presentation on SRG at the SMB meeting in February 2018. She will discuss the accomplishments of the SRG thus far and future focuses, including finalizing the Systems Approach as a written guide and developing the system tools to support the Systems Approach practice.

6.6 Advisory Committee on Electromagnetic Compatibility (ACEC) / US Coordinating Committee on EMC

A written report was distributed with the agenda, USNC/TMC 959A. Don Heirman highlighted key items discussed at ACEC's last meeting including their input on the

revision of Guide 108, and the continuation of the review of newly published documents that have EMC elements identified. For more information, please see **ATTACHMENT F**.

6.7 SMB SyC Smart Cities

Florence Otieno provided a verbal report on SyC Smart Cities and the USTAG. Ms. Otieno emphasized the following items:

- The SyC has established three WGs: *Terminology*, *Market Relationships*, and *Reference Architecture*.
- The second SyC plenary meeting was held in February 2017 in Tokyo, Japan and the third plenary will be held in Dortmund, Germany in January 2018.
- WG 3's proposal to create a Joint Working Group (JWG) between IEC, ISO, ITU was accepted and this work should start shortly.
- The SyC's Strategic Business Plan and standardization roadmap should be finalized at the third plenary meeting in January 2018.

For more information, please see **ATTACHMENT G**.

6.8 SMB SEG 7 / SyC Smart Manufacturing

Alec McMillan called in to provide a report on SEG 7 / SyC Smart Manufacturing. Mr. McMillan stated that chair elections would take place at the February 2018 SMB meeting – there are two candidates for this position, Alec and an individual from Germany. Once a chair is elected and participants finalized, an agenda and work plan will be prepared to set up the first SyC meeting. He noted that the USNC would have to establish a USTAG quickly to ensure ample participation and to find consensus on any SyC matters that may arise.

For more information, please see **ATTACHMENT H**.

6.9 SMB SG 11 – Hot Topics Radar (Added)

Mr. McMillan provided a brief overview on SG 11. It was suggested that a VTAG be created for SG 11 given the amount of topics it covers as well as the high-level of participation from National Committees (**ACTION ITEM #6**). Please see **ATTACHMENT I**.

6.10 SMB SG 12 Digital Transformation

Tony Zertuche provided his report on SG 12, Digital Transformation. It was suggested that a VTAG be created for SG 12 given the crucial role digital transformation will play in the future of standards development (**ACTION ITEM #6**). In addition, TMC members requested that the minutes of the next SG 12 meeting be distributed to the Committee following the SG meeting (**ACTION ITEM #7**).

For more information, please see **ATTACHMENT J**.

6.11 IEC Masterplan (Added)

Ms. Bird requested that comments on the current draft of the IEC's Masterplan implementation plan be submitted by 9 February 2018 as the SMB's adhoc group is meeting the week of 12 February in Vienna, Austria.

6.12 Report of SMB Groups

Updates on all other SMB groups in operation:

- **ahG 75 – Working with Consortia**
Ms. Bird reported that this group had submitted a recommendation to the SMB to authorize a pilot project within TC 113 aimed at accelerating project start-ups and NC engagement where consortia are also involved. She noted that this group would be meeting in February to discuss this matter further.
- **ahG 76 – Masterplan Implementation**
Ms. Bird reiterated the need for TMC members to submit comments on the implementation plan prior to this ahG's meeting the week of 12 February in Vienna, Austria.
- **ahG 78 – Revision of IEC Guide 108**
Don Heirman provided a written report, which was distributed with the agenda, USNC/TMC 959A. It was recommended that the subject of "guides and how to use them" be added as a possible topic to the USNC TAG Leadership Workshop, which will next be held in 2019.

6.13 IEC Directives Maintenance Team

Jim Matthews, DMT chair, and Mr. Zertuche, US DMT representative, provided an update on the DMT and JDMT. The following items were highlighted:

- The publication of the updated Directives will be distributed in May 2018.
- The DMT clarified the responsibilities of DMT members.
- Members worked to integrate JTC 1 language into the ISO/IEC Directives, such as renaming "D Liaisons" to "C Liaisons."
- Currently in the process of reorganizing the IEC SMB/DMT website to make the decisions lists of the DMT easier to locate.
- Discussion on the possibility of rebranding the "Secretariat" name/position.
- Work underway on integrating the suggestions of ahG 70, *Aspects of Systems Committees*, and (possible) implementation of Technical Areas into the Directives.

Section 7 – Standardization Management Board (SMB) Issues

7.1 Review of Decisions from SMB Meeting in October 2017

Ms. Bird reviewed the decisions taken at the CAG and SMB meetings held in Vladivostok, Russia in October 2017. The SMB decision list was distributed with agenda, USNC/TMC 959A. Ms. Bird emphasized the following items:

- The SMB took note of the setting up of the ISO/TMB task force dealing with cooperation between IEC, ISO and ITU and encouraged the SMB participants to take into account the requirements of the IEC Masterplan Implementation during the discussions.
- The formation of Strategic Group 12 (out of ahG 77) on Digital Transformation.
- Joe Musso (UL) was congratulated for winning the IEC's Thomas Edison Award.
- Ms. Bird thanked Mr. Zertuche for his years of service as the US SMB Alternate member.

7.2 Review of Agenda for SMB Meeting in February 2018

Ms. Bird reviewed the agenda for the CAG and SMB meetings in Vienna, Austria in February 2018, which was distributed with the TMC agenda, USNC/TMC 959A. The following items were discussed:

- The structure/organization of the SMB agenda – it was noted that many outside organizations and committees are requested to report at the SMB meeting. However, these presenters may not be given ample time to report due the SMB meeting running off schedule, especially during the IEC General Meeting. In addition, the SMB needs to ensure that relevant information is being presented and that the presentations are not repetitive.
- The SMB's relationship with the MSB – the SMB wants to ensure that the Board is using the White Papers effectively and wants to be more actively involved in the publication of these papers. It was noted that the TMC should recommend to the USNC Council that the IEC MSB be added as a standing item on their agenda (**ACTION ITEM # 8**).

Section 8 – Management and Communication Items

8.1 Reports from TAs, Secretaries, Guests in Attendance

Tom Blewitt, Technical Advisor for USTAG to TC 61 and ACOS member, provided a brief overview of the work on the revisions to IEC 60335-1 addressing vulnerable persons. Mr. Blewitt reported on the following items:

- The USTAG to IEC/TC 61 has grown tremendously over the years, with six IEC standards have been adopted in the US .
- With the significance of these standards growing, vulnerable persons have become an important topic in the standards development process – how do products and standards, especially those dealing with appliances, affect people. Over time, end-user concerns have been expressed, and whether or not people are aware of how to use appliances appropriately.
- Mr. Blewitt stated that Guide 116 is currently undergoing review, and Guide 120 is soon to be published by ACSEC. ACOS has worked on Guide 120 with ACSEC.
- Key items being discussed regarding vulnerable people are:
 - Instructions – providing product instructions in alternative ways such as reading the instructions aloud, having the instructions available online, etc.
 - Market letter sizing – ensure that end-users of all ages can read the text.
 - Devices to stop appliances – "automatic" stop devices, while also clearly defining what "off" means. For example, a stove may be turned completely off, however the surface area may continue to be hot for some time after it is shut off.
 - Choking hazards – how products, even those not used or designed for children, can be dangerous for them.
 - Surface area temperatures – this is a new element of the discussion. Defining temperatures, how "hot" is "hot?" The current debate within the Committee deals with risks and defining those risks to consumers.

8.2 Call for USTAG and IEC TC/SC Leadership Positions and IEC P-Memberships

Kendall Szulewski-Francis gave an update on the various vacant USNC and IEC

positions, as well as opportunities for new IEC TC/SC P-membership. A question was raised, can this information be posted on the USNC SharePoint site? It was confirmed that the information was shared on the site already and available for members to review.

8.3 TAG Administrator Task Force Update

Mr. Zertuche provided a report on the current state of orphaned USTAGs and the future of this Task Force. He highlighted that all but four of the twenty-one USTAGs had found new TAG Administrators. The US would be moving to non-membership in three of those four IEC committees – IEC/TC 9, *Electrical equipment and systems for railways*, IEC/TC 27, *Industrial electroheating and electromagnetic processing*, IEC/TC 115, *High voltage direct current (HVDC) transmission of DC voltages above 100 kv*.

Given this, the TMC agreed to recommend to Council that the TAG Administrator Task Force be disbanded as the group has completed the assigned tasks (**ACTION ITEM #9**).

Secretary's Note: Since the TMC meeting on 24 January 2018, another organization has volunteered to take on the TAG Administration for USTAG to IEC/TC 27. This is currently being processed by the USNC office and the US will not move to becoming a Non-member.

Mr. Zertuche stated that multiple times throughout the search for new TAG Administrators, the possibility of USNC in-house administration was suggested. One of the remaining USTAGs in need of an administrator is the TAG to IEC/TC 106. It was noted that this is an active TAG with many participants and the US would like to maintain its P-membership in the Committee. Mr. Zertuche contacted Mr. Ken Gettman, one of the USNC's most experienced TAG officers and the 106 Technical Advisor, regarding possible USNC in-house administration for the TAG as a last resort (no other organization has offered to take on this role). The USNC staff is currently working on a draft proposal regarding in-house TAG administration for Council's review.

Comments articulated during this discussion are as follows:

- A concern was expressed about how allowing USNC in-house TAG administration may set a precedent for other TAG Administrators that may be looking to relinquish their TAGs. These organizations may feel inclined to drop their TAGs now since the USNC office is a possible option for administration. It was made clear by the USNC staff that in-house administration would be a last resort and should be considered as such. This should not be viewed as an "openly available option" to any and all USTAGs. It was noted that ANSI ISO currently administers TAGs for ISO TC/SCs, but only when one of the following criteria can be met:
 - A request must be submitted to the ANSI office to take on the role of TAG Administrator,
 - No other organization has offered, or is willing or able, to take on the TAG Administrator role or,
 - Additional circumstances that otherwise dictate ANSI as the only option to be the TAG Administrator.
- A question was posed regarding the funding for in-house administration. Mr. Zertuche stated that the USNC office was still determining the final cost of this endeavor and noted that this would be a "fee for service" program. Currently

under discussion are two types of payment options for the in-house administration fee: 1. The USNC office directly charges the USTAG participants, or 2. an agreement is reached with a member organization within the TAG to remit payment to the USNC on behalf of the TAG.

- The TMC agreed that the USNC should implement an efficient cost recovery program for this initiative.
- It was also noted that ANSI will build in the fees normally associated with administration of a USNC TAG in its proposed funding model, and that such fees would be allocated to the USNC program.
- A TMC member stated that it is important for the US to continue to participate in the important work as a P-member on IEC committees. Therefore, if having the USNC office administer a TAG will allow the US to do this, it should be considered a valid TAG Administrator option when applicable.
- The possible effect of in-house TAG administration on National Adoptions (NA) needs to be taken into consideration and reviewed by the USNC staff to determine a process on how NAs would be handled in USNC administered TAGs (**ACTION ITEM #10**).

8.4 USNC Subcommittee on USTAG Operating Procedures

Bill Lawrence provided an update on the work of the Subcommittee on USTAG Operating Procedures. He noted that the Subcommittee completed its final review and update of the USTAG Model Operating Procedures and that these procedures are currently being reviewed by ANSI.

8.5 IEC Academy

At the request of Ms. Bird, Elaina Finger gave a brief overview of the [IEC Academy](#). The IEC Academy is a great resource for USNC constituents and contains a plethora of information and webinars. Ms. Finger strongly encouraged the TMC members to visit the site and share the link with fellow TAG members. It was requested that the IEC Academy link be shared with the TMC members (**ACTION ITEM #11**).

Section 9 – Interface with Regional Organizations

Mr. Zertuche provided an update on the USNC's regional outreach initiatives:

- **COPANT** – This meeting is set to be hosted in Montego Bay, Jamaica, 17 – 19 April 2018.
- **PASC** – Mr. Zertuche noted that PASC is scheduled to be held in Okayama City, Japan, 15 – 19 May 2018. He also stated that the next **APCF** meeting would be held in conjunction with PASC. Currently only one APCF meeting is held a year (at the IEC General Meeting each year). The APCF agreed to take advantage of available opportunities to meet more frequently (both face-to-face and via web conferencing) and since a majority of APCF members will be present at PASC, the Forum agreed to have a face-to-face meeting there.
- **FINCA** – This meeting is set to be hosted in Mexico City, Mexico, in the fall of 2018. No additional information is currently available for these meetings.
- **CANENA** – It was mentioned that CANENA's meetings would be hosted in Chicago, IL from 19 – 22 February 2018. The USNC will send a delegation to meet with the CANENA Executive Committee.

Section 10 – Meeting Schedule 2018 and Beyond

The schedule of upcoming IEC and USNC meetings was reviewed. TMC members were encouraged to visit the [USNC calendar website](#).

Section 11 – Summary of Action Items and Decisions

For a summary of action items and decisions, please see **USNC TMC 974A - Resolutions - Jan 2018**.

Section 12 – Adjournment

Ms. Bird thanked the TMC members in attendance and those who called in to provide reports. She thanked the hosts, UL, for their hospitality. Ms. Bird adjourned the TMC meeting at 4:21 PM (EST).