IEC.

**United States
National Committee
of the IEC**

**USNC TECHNICAL MANAGEMENT COMMITTEE
DRAFT MINUTES**

**Hosted by Eaton Corp.
1000 Cherrington Pkwy
Moon, PA 15108**

**Wednesday, 7 June 2017
9:00 am – 4:00 pm (EDT)
(Meeting #51)**

Members Participating

Sonya Bird, USNC VP – Technical, Chair	UL
Robert Kretschmann, Vice Chair	Rockwell Automation
John Thompson, USNC President	UL
Phil Piqueira, USNC Past-President	UL
Tim Duffy, USNC VP – Conformity Assessment	Rockwell Automation
Kevin Lippert, USNC VP – Membership	Eaton Corp.
Tony Zertuche, USNC General Secretary	ANSI
Ethan Biery	Lutron Electronics
Tom Buchal	Intertek
Hae Choe	AAMI
Patrick Salas	GE
Ken Gettman	NEMA
Donald Heirman	Don Heirman Consultants
William Lawrence	FM Approvals
Calvin Luong	CSA Group
Charley Robinson	International Society of Automation
Joseph Musso	UL
Florence Otieno	TIA
Steve Swanson	Corning
Veronica Lancaster	CTA

Guests Participating

Angus Low	Rockwell
Mark McGranaghan*†	
Paul Kelly*	UL
Jim Matthews*	Corning Incorporated
Steve Sharples	CSA Group
Randy Dollar	Siemens
James Lagree	Eaton
Mark Coppler	DNV
Elaina Finger	Corning
Elisabeth George	Philips
Paul Green	Intel Corp
Megan Hayes	NEMA
Paul Moliski	Intertek

Richard McDermott	ECCC
Edward Mikoski, Jr.	Electronic Components Industry Association
Alec McMillan	Rockwell
Manyphay Viengkham*†	GE
Steve Griffith*†	NEMA
Brian Fitzgerald	FDA
Brian Patterson*†	EMerge Alliance
Ken Rempe	Siemens Industry, Inc.
Gary Schrempp	Dell
Jianchao Zeng	FDA
Joe Tretler	ANSI
Kendall Szulewski-Francis	ANSI
Sam Roods†	ANSI
Jinny Park†	ANSI

Members Not Participating

Matthew Williams	AHAM
Ryan Franks	CSA Group
Wynn Bowman	Star Associates International

* = Via Teleconference
† = Part

Section 1 – Organizational Matters

    1.1   Welcome, Opening Remarks, Introductions

    Ms. Sonya Bird called the TMC meeting to order at 9:01 AM (EDT). She welcomed all in attendance and thanked Mr. Kevin Lippert and Eaton for hosting the week's events. Mr. Tony Zertuche took a moment to introduce and welcome the USNC's two new Program Administrators, Mr. Sam Roods and Ms. Jiin Park. The TMC welcomed the new members of the USNC team with delight. So that it is clear which ANSI staff member is responsible for each USNC task, ANSI will share a list of staff assignments on SharePoint (**ACTION ITEM #1**).

    1.2   Approval of the Agenda

    Ms. Bird drew attention to the day's agenda. She called for any additions or suggested changes. None were offered, it was motioned, seconded and

        VOTE #1 To Approve the Agenda (USNC/TMC 929A)
        (This motion was approved unanimously.)

    1.2.1   Approval of Consent Agenda

    a) Ms. Bird called attention to the Draft Minutes (USNC/TMC 928) of the TMC meeting on 25 January 2017 at UL in Fremont, CA. It was motioned, seconded and

        VOTE #2 To Approve the Minutes from the TMC Meeting at UL in
        January 2017 (USNC/TMC 928)
        (This motion was approved unanimously.)

    b) **Report on Appointments/Reappointments and**
        Invitations to Host

No comments were offered regarding these matters.

1.2.2 Approval of Balance Agenda
Ms. Bird noted the balance of the agenda. No comments were offered regarding this matter and the Balance Agenda was considered approved.

Section 2 – Status of Outstanding Action Items
Mr. Zertuche reviewed the outstanding action items from the previous meetings:

Action Item #1 – 8/2016 – A call for a US representative to ACEE should be sent to all USNC participants in the conformity assessment system. Also, a call for a US representative on ACEA should be made to TC 111. Mr. Zertuche and s. Bird will discuss the option with the SMB of hosting these meetings electronically to encourage participation, as traveling to a one day meeting can be challenging.
Status: Completed

Action Item #3 – 8/2016 – MOP Committee's review of TC 62 Operating Procedures (OP).
A preliminary draft of the MOPs from AAMI are due in April 2017.
Status: Completed

Ms. Bird noted that AAMI submitted a draft of US TAG TC 62's, and SC 62A's Operating Procedures for review by the USNC Office and Ms. Bird. She noted that this was a "good faith" check-in to ensure that AAMI was making progress on the revision of their TAG Operating Procedures. AAMI solidified their commitment to submitting an official draft to the TMC in August 2017, prior to the September Management Meetings. The Rules and Procedures Committee Chair noted that the August draft of the Operating Procedures should be distributed to the R&P Committee for review as well.

Action Item #5 – 1/2017 – Elimination of Group Manager Position
Create a contact list of all TMC members, including areas of expertise, for distribution to all US TAGS as a resource.
Status: Completed

Action Item #11 – 1/2017 – Appointment Lists
It was requested that the list of those (TAs, DTAs, TAG Secretaries) up for reappointment in 2017 be placed on ANSI's SharePoint so TMC members have regular access to the document.
Status: Completed – [Click here](#) to access SharePoint.

Section 3 – Component Committees vs. End Product Committees
Mr. Ken Gettman led a discussion on component committees vs. end-product committees, and the ongoing issue with scope intrusion of TCs/SCs at the IEC level. Mr. Gettman shared his concern that there needs to be greater communication between component committees and end-product committees to eliminate the frequency of scope issues. This problem may also pertain to a communication issue with the TCs/SCs themselves – if a parent TC is not communicating or monitoring the work of its subcommittee(s) effectively, that subcommittee may overstep its bounds. It was noted by a TMC member that TC 61 and TC 72 confronted a similar issue – TC 61 was attempting to draft requirements into a product standard that overlapped with TC 72. In order to find an amicable solution, TC 61 and TC 72 utilized the liaison opportunities available, and mutually agreed that this issue should be resolved by the Technical Committees themselves and not the SMB. A suggestion was made that the USNC, and IEC, promote the use of liaisons as a solution to these type of communication issues, and encourage Committees to engage in the liaison process. Mr. Gettman and Mr. Joe Musso volunteered to write an article for a future edition of the USNC Current on scope overlap issues and the use of liaisons (**ACTION ITEM #2**).

A TMC member observed that the culture of technical work in the IEC may be contributing to this issue as well. Many TCs/SCs have worked in solitude for years, with limited communications with other Committees. This type of change requires a cultural shift within the IEC, and in order to be the catalyst for change, the USNC should first start by encouraging our US TAG Officers and members to communicate with those outside their Committees on a regular bases. It was noted by a member that the issue of scope changes can also be effected by the demands of the industry utilizing a standard. For example, in the case of TC 61, the appliance industry is liable for safety issues regarding their products. This industry in turn, puts pressure on standard developers to include safety requirements within the standards itself. In order to better track new work items and changes in scope, it was requested that the ISO/IEC/ITU New Work Item document (distributed monthly) be circulated by the USNC staff for members to monitor the new work items being proposed by all three international bodies (**ACTION ITEM #3**). Ms. Megan Hayes, Vice-Chair of the Communications and Continuing Education Committee, mentioned adding this subject matter to the next C&CEC meeting agenda to discuss possible educational opportunities the USNC could provide members regarding inter-TAG communications, liaison positions, scope change processes, etc. (**ACTION ITEM #4**).

Section 4 – TAG Participation Fees
Ms. Bird led a discussion on TAG participation fees and the current text in the Model Operating Procedures regarding the matter. Ms. Bird noted that the USNC had received complaints regarding what some might see as exorbitant fees being requested for TAG participation. The current text reads:

Model Operating Procedures – Section 7
"There shall be no undue financial barriers to participation. The USNC Council assesses a USNC TAG Participation Fee which is collected annually by the USNC Office. Some categories of membership are exempt from this fee, e.g. Resource Experts, USNC Honorary Life Members, Consumer Advocates, etc. In addition, TAG Administrators may charge a fee to recover administrative expenses, but in all cases procedures for requesting a waiver of the fees shall be available. Participation shall not be conditional upon membership in any organization, or unreasonably restricted on the basis of technical qualifications or other such requirements."

Ms. Bird opened the topic for discussion and posed the following questions to the TMC:

Does the current statement in the Model Operating Procedures provide enough guidance to TAG Administrators on what an organization can and cannot charge? If not, should the TMC strengthen the language?

> **Comments articulated during this discussion are as follows:**
> - Regarding the categories of membership that are exempt from this fee, the text should be altered to read "i.e." instead of "e.g.," or remove this notation all together as it opens the door to confusion as what, if any, exceptions may be allowed.
> - A TMC member suggested that any changes made to this language should be reviewed by ANSI Legal to ensure all policies and regulations are being followed appropriately.
> - Mr. Gettman noted that he had spoken with NEMA's legal counsel regarding the maximum amount an organization can charge for participation on a TAG. Mr. Gettman and Ms. Hayes agreed to share the information provided by their counsel with USNC/ANSI when it becomes available (**ACTION ITEM #5**).

Should the TMC impose a maximum fee a TAG Administrator could charge for participation?

> **Comments articulated during this discussion are as follows:**

- A TMC member suggested that in order to fully address the issue of excessive TAG fees, a maximum should be imposed.
- The USNC is currently aware of only a few scenarios where high fees have limited participation in a TAG.
- There was a suggestion that all information regarding required fees should be distributed to interested parties before they begin the process of joining a TAG. The TMC agreed that TAG Administrators should share this information with possible new participants prior to officially joining the TAG.
- It was noted that the current Model Operating Procedures state that TAG Administrators are permitted to charge fees only to recover costs spent by the administering organization to manage the TAG. However, it was mentioned that it could be perceived that TAGs are being used as a profit-making entity for some administrators.

Ms. Bird posed the following question: Does the TMC want to identify a maximum fee that TAG Administrators can charge for participation on a TAG? It was motioned, seconded and

**VOTE #3 – To impose a maximum fee that TAG Administrators
are permitted to charge for TAG participation.
(This motion was not approved).**

Should the USNC TMC consider publishing a list of organizations that do require a participation fee? And if a fee is required, should the fee amount be published as well?

Comments articulated during this discussion are as follows:
- The USNC should avoid publishing specific information regarding TAG Administrators as it may place an undue burden on the USNC staff and the USNC as whole.
- It was suggested that distributing a list of TAGs, not TAG Administrators, that may require an additional fee, might be a solution.
- It was noted that while the USNC does state in communications that "additional fees may apply" to participate on certain TAGs, this general information is not widely known and should be circulated to a greater audience using different methods.
- Follow-up question: should the information regarding fees, and whether or not a TAG Administrator will charge a fee, be circulated with the TMC ballots that approve TAG Administrators? It was stated that while this would help increase awareness of dues, many TAG Administrators do not know if they are going to charge a participation fee until further along in the process.
- Follow-up question: Does the USNC/ANSI have the right to request information from TAG Administrators regarding the costs associated with running a TAG? If so, the USNC may be able to use this information to determine if a fee aligns properly with the cost of administering the TAG. However, a member stated that currently the USNC does not monitor TAG Administrators' financial information and it may be overly burdensome to do so.
- Follow-up question: Should TAG Administrators should share their fee structure with the USNC? It was stated that this information varies and is very TAG specific. An organization may charge for one TAG but not another. Therefore, sharing this information may only cause confusion.
- The members of TMC agreed that the USNC should not publish information regarding specific fees TAG Administrators may charge.

Ms. Bird thanked the TMC for a lively discussion, and suggested the creation of a task force to review the language in Section 7 of the MOP further and make recommendations on how to address this issue. She called for volunteers for this task force – Ken Gettman (NEMA), Hae Choe (AAMI), and Joe Musso (UL) volunteered. It was recommended that Mr. Steve Rood, as USNC Vice-President – Finance, chair this

group. Additional members from the USNC Council will be added, and Sonya Bird and John Thompson will participate. The scope of the task force is as follows:

Section 7 of the USNC Model Operating Procedures contains qualitative language regarding the establishment of fees for Tag participation set by the TAG Administrator. TMC members discussed the value of developing quantitative guidance for the establishment of TAG participation fees. This TF will develop a proposal for consideration by the TMC and Council.

It was suggested that this new task force meet relatively soon after the close of the Management Meetings to begin work on this issue (**ACTION ITEM #6**). The USNC Staff would assist with the logistics of this meeting. Ms. Bird confirmed that she would recommend to Council the creation of this task force.

Section 5 – Standardization Management Board (SMB) Issues and IEC Committee Reports

5.1   SMB SyC Smart Energy
Mr. Steve Griffith called in to provide a report on SyC Smart Energy. He noted that the SyC has not met since the last USNC TMC meeting and therefore he has limited information to report. He noted that the US still needs experts for Working Groups 2 and 3. Ms. Bird requested that a call be made in Standards Action for additional members for SMB SyC Smart Energy WG2 and WG3 (**ACTION ITEM #7**). For more information, please see **ATTACHMENT A**.

5.2   SMB SyC Active Assisted Living
The US representatives on SyC AAL submitted a written report. This report noted that the TAG is in need of additional membership to ensure that we have US input on each of the Working Groups. Ms. Bird requested that a call for additional members be made in Standards Action (**ACTION ITEM #8**).

5.3   SMB SyC Smart Cities
Ms. Florence Otieno provided an oral report on IEC SyC and US TAG SyC Smart Cities. She noted that the first plenary meeting was held in February 2017 in Tokyo, and that currently over 90% of the engagement in the IEC SyC is from Asian countries. Ms. Otieno stated that IEC SyC is divided into three Working Groups – Terminology, Market Relationship, and Reference Architecture. In terms of the US TAG, she mentioned that TIA was approved as the TAG Administrator in February 2017 and has appointed Mr. Gary Stuebing as interim Chair. TIA hosted a pre-TAG meeting that was attended by 12 prospective participants. To date, the TAG has eight committed members. Ms. Otieno requested that a call for membership go out in the next Standard Action (**ACTION ITEM #9**). For more information, please see **ATTACHMENT B**.

5.4   SMB System Resource Group (SRG)
Ms. Manyphay Viengkham called in and provided a report on the System Resource Group. Ms. Viengkham noted that the SRG conducted a highly successful Business Approach Workshop during the second plenary meeting of Smart Cities. Ms. Viengkham noted that the SRG requested extra support from the SMB to provide additional systems expertise to help with training and consulting services. Also, she noted that the SRG had submitted a request to the SMB for a designated IT resource to focus primarily on the tools needed for systems work, including mapping, central depository database, and more. For more information, please see **ATTACHMENT C**.

5.5   SMB SEG 4 Low Voltage Direct Current Applications
Mr. Brain Patterson called in to provide a report on SEG 4. He noted that at the February

2017 SMB meeting the creation of a Systems Committee for LVDC was approved with NEMA being subsequently approved as the new TAG Administrator for the US TAG. For more information please see **ATTACHMENT D**.

5.6 **SMB SEG 6 Non-traditional Distribution Networks / Microgrids**
Mr. Griffith called in to report on SEG 6. He stated that the final meeting of this SEG was held at NEMA's offices in Arlington, VA in December 2016. The final report was distributed by the IEC as an information document earlier this year, and the report noted that there will be a new IEC Committee SC 8B – Electrical Energized Systems (Microgrids). For more information please see **ATTACHMENT E**.

5.7 **SMB SEG 7 Smart Manufacturing**
Mr. Alec McMillan offered a report on SEG 7 noting that after many months of discussion, the SEG has consensus to transition, with the approval of the SMB, to a Systems Committee. For more information, please see **ATTACHMENT F**.

5.8 **SMB SEG 9 Smart Home/Office Building Systems**
Mr. Mark Duffy has noted that the next meeting of this SEG will take place 6 – 7 July 2017 in Frankfurt, Germany. Mr. Duffy will attend on behalf of the US and will provide an update at the September 2017 USNC TMC meeting.

5.9 **Advisory Committee on Electromagnetic Compatibility (ACEC) / US Coordinating Committee on EMC**
Mr. Don Heirman provided reports on ACEC and USCCEMC. Mr. Heirman stated that there has been an increased effort by Canada and others to limit the amount of harmonic currents generated by certain products. However, this could have an extreme impact on EC globally. Mr. Gettman noted that NEMA has been monitoring this work for some time and will provide any updates that may become available.

5.10 **Advisory Committee on Environmental Aspects (ACEA) and USNC Coordinating Committee on Natural Environmental Aspects (USCCENV)**
Ms. Szulewski-Francis noted that a replacement for Mr. Manole as the US representative was still needed. It was suggested that a USNC staff member may be able to fill this role. Mr. Zertuche then nominated Ms. Jiin Park as the new US representative for ACEA and Chair of USCCENV. No objections were made and the appointment was considered approved.

5.11 **Advisory Committee on Energy Efficiency (ACEE) and US Coordinating Committee on Energy Efficiency (USCCEE)**
Ms. Szulewski-Francis stated that a replacement is still needed for Mr. Manole on this Advisory Committee for the US.

5.12 **Advisory Committee on Safety (ACOS) and US Safety Coordinating Committee (USSCC)**
Mr. Mark Earley noted that the next ACOS meeting will take place in June 2017 and he will provide a report at the September 2017 USNC TMC meeting.

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

Mr. Mark McGranaghan called in to provide a report on ACTAD and USCCTAD. Mr. McGranaghan noted that a White Paper on Global Energy Interconnection had been published. ACTAD had been assigned by the SMB to review the White Paper and provide recommendations on what work is needed and weather the current scope of ACTAD should be revised. For more information please see **ATTACHMENT G**.

Mr. Zertuche inquired as to whether Mr. McGranaghan could offer any insight on how the USNC could better engage American utilities. Mr. McGranaghan noted that utility companies are quite often stretched thin and the best way to engage them would be to participate in activities utility companies already part-take in such as the upcoming Grid of the Future Conference.

5.14   Advisory Committee on Security (ACSEC)
Mr. Brian Fitzgerald provided a report on ACSEC. He noted that the next meeting of ACSEC will be in September 2017. Currently the Committee is focusing on 'Publications' rather than just standards, identifying the security objectives within the context of the document, and informative reference to security standards, rather than explicitly defining measures. The Draft Guide 120 should be distributed for TMC to provide comments to Mr. Fitzgerald (**ACTION ITEM #10**). For more information please see **ATTACHMENT H** and **corresponding documents, H2, H3, and H4.**

5.15   SMB Strategic Group #9 – Communication Technologies
The US Representatives for SG 9 submitted a report. Future representation will be by Cliff Whitehead, Jim Matthews, and Ken Modeste.

5.16   IEC/TC 124 Wearable Smart Devices
Ms. Veronica Lancaster provided a report on the current status of IEC/TC 124 and the US TAG. She noted that the first meeting of IEC/TC 124 will be held in Seoul, South Korea in September 2017. Ms. Lancaster stated that the structure and projects are still being identified. For more information please see **ATTACHMENT I**.

5.17   IEC Directives Maintenance Team (DMT) / IEC/ISO Joint Directives Maintenance Team (JDMT)
Mr. Jim Matthews, chair of the IEC/DMT, called in to provide a report. Mr. Matthews stated that the next meeting of the DMT and JDMT would be the week of 12 June, 2017. The primary goals for the JDMT meeting were:

> **1.** Align the text throughout the Directives
> **2.** Follow-up on Workshops and Project Management
> **3.** Rebranding/Naming the role of Secretary

Mr. Matthews noted the goals of the DMT meeting were:

> **1.** Review and sort through all Administrative Circulars to organize and determine which ACs were still active versus those that had already been addressed by changes made in the Directives.
> **2.** PAS, TS and TR Process
> **3.** Reference Languages
> **4.** Any additional matters that transpire at the SMB meeting prior to the JDMT/DMT

Ms. Bird noted that going forward, the DMT/JDMT should be a standing item on the TMC agenda to allow a more thorough review of Directives issues (**ACTION ITEM #11**).

5.18   **Report of SMB Groups**

- **ahG 67 – TC/SC Minutes Trial**
  Mr. Jim Matthews updated the TMC on the work of ahG 67. He noted that this group had made significant progress in a short period of time and encouraged our SMB members to thoroughly read the report provided.
- **ahG 70 – Review of Systems activities**
  Mr. Alec McMillan provided an update on ahG 70. For more information, please see SMB/6160/R (attached).
- **ahG 72 – Horizontal Standards**
  For more information, please see **SMB/6161/R** (attached).
- **ahG 74 – Dual Referencing and Profiles**
  Ms. Bird noted that the first meeting of this ahG will be the week of 12 June 2017 in Geneva. She referred to the list of questions that was distributed to ahG members (and subsequently the TMC) for review prior to the groups' meeting. She encouraged TMC members to provide feedback if interested.
- **ahG 75 – Working with Consortia**
  Ms. Bird stated that the first meeting of this group will also be the week of 12 June 2017 in Geneva. The primary focus of this meeting will be to define the scope of this ahG.

5.19   **Consideration of USNC Positions for the CAG and SMB Meetings in June in Geneva, Switzerland**
Ms. Bird and Mr. Zertuche reviewed the agendas for the upcoming SMB related meetings in Geneva, Switzerland. They drew attention to the following subjects:

– Future of PC 118, Smart Grid User Interface
– Scopes of TCs 23 and 34 – Scope issue resolved
– SEG 6 Report
– IEC Masterplan: Next Steps and Implementation Plan

Secretary's Note: For more information, please see SMB/6186/DL (attached).

Section 6 – Management and Communication Items

6.1   **Reports from TAs, Secretaries, Guests in Attendance**
Mr. James Lagree, IEC/SC 23E member, provided a report on the current work of the SC. For more information please see **ATTACHMENT J**.

Mark Coppler, Chair of TC 31, provided a report on the interaction between TC 31 and IECEx. For more information please see **ATTACHMENTS K and corresponding document K2**.

6.2   **TMC Member Reference Document for TAGs**
Ms. Bird stated that the TMC Member Expertise document for TAGs was nearly complete and requested that those who had yet to submit the appropriate information to the USNC office do so quickly (**ACTION ITEM #12**). Please see **ATTACHMENT L**.

6.3   Call for TAs, IEC Secretaries, TAG Secretaries and USNC Non-Memberships
It was noted that the TAG Model Operating Procedures need to be updated to reflect the elimination of the Group Manager position (**ACTION ITEM #13**). For a full list of positions and appointments, please see **ATTACHMENT M**.

6.4   For Information – IEEE Task Force Update
Mr. Zertuche updated the TMC on the status of the IEEE TAGs still in search of TAG Administrators. He stated that CSA Group had already taken on this important role for both TC 38 and TC 57. The USNC office, and the TAG members, are working diligently to find replacement TAG Administrators and are hopeful new organizations will be identified.

Section 7 – International Engagement and Outreach
7.1   COPANT TC 151 & TC 152
Mr. Gettman and Mr. Zertuche provided a brief update on COPANT TC 151 and 152. Mr. Gettman noted that he was experiencing difficulty gathering information as many of the documents distributed are in Spanish or Portuguese but not English. Mr. Zertuche stated that he would reach out to the COPANT TC 151 and 152 leaders to request that more information be distributed in English. For more information please see **ATTACHMENT N**.

7.2   Interface with Regional Organizations
Mr. Zertuche provided an update on the USNC's regional outreach initiatives:
- **FINCA** – Quito, Ecuador, September 2017 – Mr. Zertuche confirmed that the USNC office will distribute the Draft Agenda and Workshop themes for the upcoming FINCA meeting. He noted that all suggested/comments were due to FINCA's officers by 30 June 2017.
- **COPANT / PASC** – Vancouver, Canada, May 2017 – Mr. Zertuche noted that this was a very successful joint meeting. The workshop and networking events provided unique opportunities for discussion. Mr. Tretler led a workshop on communication and the utilization of technology to better connect and educate the standards community on the work of PASC and COPANT.
- **APSG** – Mr. Zertuche stated that the APSG was currently undergoing a restructuring, and noted the Mr. Zertuche may volunteer to be the Chair of this new group.

Section 8 – Meeting Schedule – 2017 and Beyond
Ms. Bird led a brief discussion on upcoming meetings. Mr. Zertuche made a call for 2018 USNC Management Meeting hosts. Currently we are waiting to hear back from those who had tentatively offered their facilities for the January and May meetings. However, the USNC has not received any offers to host the September 2018 meeting.

Section10 – Summary of Vote and Action Items
Please see **USNC/TMC 941 – RESOLUTIONS DOCUMENT**, JUNE 2017.

Section 11 – Adjournment
Ms. Bird again thanked Eaton and Kevin Lippert for hosting both the Management Meetings and the two trainings. Ms. Bird adjourned the USNC TMC meeting at 3:59 PM (EDT).