



United States
National Committee
of the IEC



USNC/TMC 623

25 November 2009

MINUTES

USNC TECHNICAL MANAGEMENT COMMITTEE MEETING

**Consumer Electronics Association
1919 S. Eads Street
Arlington, VA**

**Tuesday, 1 September 2009
(Meeting # 28)**

Members Participating	USNC Position	Affiliation
R A Williams (Chairman)	USNC VP Technical	UL
K E Gettman (Vice Chairman)	Member	NEMA
J G Abbot	Member	Philips Healthcare
S Bird	Member	UL
W Bowman	Member (ECCB)	Star Associates Int'l
A P Brazauski	Member	UL
T de Courcelle	Member	IEEE
M Hayes	Member	CEA
D N Heirman	Member(US EMC Stds)	Don HEIRMAN Consultants
B Liebler	Member	AdvaMed
F Otieno	Member	TIA
R H Reimer	Member	Rockwell Automation
C Robinson	Member	ISA
S E Swanson (1 st Meeting as Mbr)	Member	Corning
J J Woodworth	Member	Arrester Works (Cooper)
T Zertuche	Deputy GS USNC	ANSI
C T Zegers	Gen. Sec USNC	ANSI

A committee of the

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Guests Participating

J Baronas (PT *)	TA – TC 100	Sony Electronics
J Doherty (PT)	-	Office of US Trade Rep
G Eckhart (PT *)	TAG Ad – COPANT 151/152	NEMA
S C Hoyler (PT)	Council Member	QUALCOMM, Inc.
J L Koepfinger (PT *)	USNC Rep. SB1	Koepfinger Consultants
T Marks	DTA – TC 108	JVC America Corp
J E Matthews	USNC President	Corning
E F Mikoski, Jr.	Council Member	ECA/EIA
A McMillan	USNC VP Finance	Rockwell Automation
J K Olthoff	Council Member	NIST
R L Pescatore	Council Member	Hewlett-Packard
S H Salot, Jr.	Council Member	ECCB
L Sanders (PT*)	TA – TC 9	APTA
G Schrepp	Council Member	Dell Inc.
J K Walters (PT)	TAG Secretary – SC 61D	AHRI
J Wells (PT)	Council Member	Pass & Seymour/Legrand

Members Not Participating

W T Fiske	Member	Intertek Testing Services
J Freudenberg (1 st Meeting as Mbr)	Member (NEMA)	Hypertherm, Inc.
J Green (1 st Meeting as Mbr)	Member (NEMA)	Cooper Industries
W F Hanrahan	Member	EIA/ECA
T M Nguyen	Member	Therm-O-Disc
J C Powell	Member	Agilent Technologies

(PT – Part Time)

(* - By Teleconference)

Section 1 Organizational Matters

1.1 Welcome, Opening Remarks and Introductions

Mr. Williams called the meeting to order at 9:00 a.m. He welcomed the TMC membership and guests to Arlington, VA and expressed sincere appreciation to CEA and Ms. Megan Hayes for providing the facilities and hospitality for this meeting. Mr Williams extended a special welcome to Mr Steve Swanson, Corning Inc., who was attending his first meeting as a Member and he reported that the other two new members were unable to participate, Messrs John Freudenberg, Hypertherm (NEMA) and John Green, Cooper Industries (NEMA). Finally, Mr Williams acknowledged the retirement of Mr Ed Yandek and expressed his thanks and appreciation for his many contributions over a number of years as a TMC Member.

This was followed by self-introductions.

1.2 Recipients – 1906 Award for 2009

Mr Williams reminded TMC that 23 US contacts have been acknowledged as recipients of the 2009 IEC 1906 Award. This recognition is meant to acknowledge Experts who have contributed in an exceptional way to the technical work of IEC. A number of these Recipients will receive their Awards at the USNC Council meeting on 2 September.

1.3 Approval of Agenda

1.3.1 Approval of the Consent Agenda

The Chairman called attention to the Consent Agenda (USNC/TMC 604 – REVISED) and asked if any items should be removed for detailed discussion. None were suggested.

VOTED #1 To approve the Consent Agenda (USNC/TMC 604 – REVISED).
(This motion was approved unanimously.)

By this action the following items were approved:

- Minutes of the 19 May 2009 meeting (USNC/TMC 603)
- The following appointments/reappointments were noted:

Joseph S Antony	TA – TC 72
Bill A Brown	TA – SC 59M
Michael D Kinard	TA – SC 86A
Albert (Chip) Pudims	TA – SC 23H
Prof Edl Schamiloglu	DTA – SC 77C
Richard Simons	DTA – TC 72
- The following Invitations to host IEC TC meetings in the U.S. were noted:
TC 26 – Electric Welding, 26 – 30 October 2009, Myrtle Beach, SC
- The following CERTIFICATES OF APPRECIATION were approved:

Edward M Yandek	DTA – CISPR/F, Member, TMC
Brian J Simoes	TA – TC 72

1.3.2 Balance of the Agenda

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

VOTED #2 To approve the Balance of the Agenda (USNC/TMC 604 – REVISED). (This motion was approved unanimously.)

**Section 2 – Status of Action Items from Last Meetings
(C T Zegers)**

2.1 Action Item 2008-01-16 #3 **C T Zegers
D N Heirman**
If TMC concurs Mr. Heirman and the General Secretary will finalize this document (re Role of Group Managers) and make it available to the USNC’s constituency as a guidance document. There were no objections to this course of action.

Status: Messrs Heirman and Zegers expect to complete this work during this meeting and will shortly circulate the draft for a final review by TMC and then publication..

2.2 Action Item **C T Zegers**
2009-05-19 #1
IEC should make available to its constituency a guidance document that lays out the subject of electronic meetings and reports on the techniques that have been tried and have been successful and those that have failed. Make available best practices and “horror stories” by way of helping others not to reinvent the wheel. Mr Zegers was asked to help generate this information for the USNC.

Status:
This project has been discussed with Mr Jack Sheldon and the IEC Central Office has been encouraged to take the lead in developing this Guidance Document.

2.3 Action Item **D Heirman
A Brazauski
M Loch
C T Zegers**
2009-05-19 #2
Further, it was agreed that an Action Item would be given to Messrs Heirman, Brazauski, Loch and Zegers to draft the USNC official position on this document.

Status:
This Action Item was completed and the USNC comments were submitted to the SMB for its June 2009 meeting in Geneva.

**Section 3 – Dialogue with Julia Doherty, Office of the US Trade Representative
(J Doherty)**

Ms Julia Doherty is Senior Director, Non-Tariff Measures, WTO/Multilateral Affairs, USTR. She provided an update report on current USTR activities that are of interest to the electrotechnical sector and particularly with respect to the World Trade Organization.

Among the topics she addressed are the following:

- Ambassador Kirk’s recent initiative on SPS and TBT issues
- Activities of interest in the WTO TBT Committee, including the 5th Triennial Review
- Activities of interest in the APEC Subcommittee on Standards and Conformance

During discussion, the subject of the implementation of the IEC's global relevance policy was raised and a brief opportunity was provided for Q and A.

Section 4 – Standardization Management Board (SMB) 18 October 2009, Tel Aviv, Israel (R A Williams/C T Zegers)

4.1 Agenda for 18 October 2009 SMB Meeting in Tel Aviv

Mr. Williams called attention to the official agenda for the 18 October 2009 meeting in Tel Aviv (SMB/4070/DA) and indicated that document USNC/TMC 607 records the USNC's positions as they evolve. Messrs Williams and Zegers will be attending this SMB meeting.

Concentrating on Questions of Principle and other documents on which the USNC has yet to vote, Mr Zegers reviewed each item. USNC positions were developed where needed based on the comments received from the membership.

The following items were highlighted:

- Late Documents – Mr Zegers noted that quite a few SMB documents are not yet available. He expressed concern that an effort is made to schedule TMC meets well enough in advance of SMB meetings to ensure the availability of documents and when documents are delayed it is more and more difficult to obtain comments from the constituency. In accordance with USNC operations, Messrs Williams and Zegers are not the only ones who comment. The broader TMC constituency is given an opportunity to comment and this process takes time.
- TC/SC Reports – The SMB now requires its membership to vote on TC/SC Reports as well as on Questions of Principle which may accompany some Reports. The USNC constituency is asked to review these documents and assure the USNC Office of their support and their recommended vote. They are advised that if their input is not received by a specific date an affirmative vote will be submitted. All too many of the USNC constituency are failing to recommend a vote and attention was directed to this concern at the last TMC meeting. Some improvement has been noted but not significant.
- TC 23 – Electrical accessories (SMB/4042/R) – The USNC has voted negatively on this Report because the portion of the report titled “Strategic Business Plan (SBP) ignores the fact that several key standards in TC 23's areas of responsibility (plugs and sockets) do not meet the needs of significant markets in spite of over 10 years of effort to seek such recognition on the part of the USNC and other National Committees. The USNC contends that TC 23 must take action to recognize the problem and develop a realistic Action Plan to address it. The USNC has requested that this Report be removed from the SMB's Consent Agenda so that it can be discussed in detail during the Balance of the Agenda.
- TC 49 – Piezoelectric and dielectric devices for frequency control and selection (SMB/4051/R) – QP re revised title and scope – It was agreed that the USNC would submit an affirmative vote.

- TC 72 – Automatic controls for household use (SMB/4030/R) – QP re new scope for TC – It was noted that the USNC had submitted an affirmative vote.
- TC 86 – Fibre optics – (SMB/4006A/QP) 2 QPs re 1) shorten PAS lifetime and 2) procedure for removing non-performing Experts – On recommendation from Mr Matthews it was agreed that the USNC would submit affirmative votes.
- TC 93 – Design automation (SMB/4035/R) – While the USNC has supported this Report an SMB member has requested that this Report be discussed during the Balance of the SMB Agenda. It is understood that some NCs are concerned with the limited number of P Members on this TC and with limited attendance at TC Plenary meetings. As a USNC Secretariat, an effort will be made to ensure that the Secretary responds to these challenges for the SMB meeting.
- Report from ACEC (SMB/4066/R) 1 Recommendation – Based on advice from Don Heirman, it was agreed that the USNC would submit an affirmative vote.
- Report from Joint Directive Maintenance Team (SMB/4065/R) – 4 Recommendations - After consideration, it was agreed that the USNC would submit affirmative votes.

4.2 – SMB Strategic Group#1 – Energy Efficiency

USNC Alternate **Jean Baronas**
 (Sony Electronics, Inc.)
 (TA – USNC TAG IEC TC 100)

Ms Baronas joined the meeting by teleconference and provided a report on the activities of SMB SG #1 particularly with respect to recommendations 21 – 26 and the joint ISO/TMB SAG-E and IEC SMB SG 1 recommendations 1 – 5. **(ATTACHMENTS A and B)**

Mr Zegers reported that the USNC was still looking for a primary representative to SG #1 to replace Mr Ben Wiant who resigned several months ago. With Ms Baronas continuing as Alternate with expertise in Power Use, we are looking for someone with expertise in Power Generation. Anyone interested was invited to contact the General Secretary.

4.3 – UHV and HVDC Standardization

Under this general topic a number of subjects were addressed:

a) IEC – CIGRE Coordination Group on UHV Standardization

It was reported that Mr. Max Chau, American Electric Power, who is the USNC Representative in the IEC – CIGRE Group, was currently attending what is expected to be the last meeting of this Group in Stockholm. A report will be provided on his return.

b) Sector Board 1- Electricity Transmission and Distribution

Mr. Koepfinger joined the meeting by teleconference and provided a brief report on SB 1 and other related topics. (ATTACHMENT C)

c) IEC Strategic Group #2 on UHV

Dr Albert Keri of American Electric Power, USNC Representative to SMB SG #2, provided a brief written report (ATTACHMENT D)

d) IEC TC 115 – High Voltage Direct Current (HVDC) Transmission for DC Voltages above 100 kV

Mr Zegers reminded the TMC that Dr. Ram Adapa, EPRI, is the TA for the USNC TAG for TC 115, however, IEEE has recently expressed its intent to relinquish the TAG Administratorship and an effort is currently underway to find a replacement. Mr Zegers was asked to work with Mr Jon Woodworth, assigned Group Manager, to pursue this goal.

4.4 Elections

- Future President of the IEC (C/1585/INF)

Mr Matthews reported that the following were candidates for IEC President-Elect
Mr Olivier Gourlay (France) (Current IEC Treasurer)
Dr Klaus Wucherer (Germany)

- Four SMB Candidates for three SMB positions –
Australia, China, Mexico, Sweden (Terms 2010 – 2012) (C/1587/INF)
- Five CAB Candidates for Four CAB positions – Brazil, Canada, China, Republic of Korea, United Kingdom (Terms 2010 – 2012) (C/1588/INF) (Secretary’s Note: Canada subsequently withdrew its candidate.)

4.5 SMB Strategic Group #3 – Smart Grid

Due to conflicting schedules, Mr Ken Caird, GE Energy T & D, USNC Primary Representative to SMB SG#3 – Smart Grid, had intended to provide a status report on current activities but was unable to do so. The presentation is provided as ATTACHMENT E.

4.6 Automotive Electronics

A brief report was provided on efforts to revise and update the 1990 MOU between ISO TC 22, Road Vehicles, and IEC. Reports have been received that ISO TC 22 is not supporting this revision and the consequences of this action are being considered including complaint to the ISO TMB.

In addition, brief reports were provided on the following related subjects:

- SC 23H project on Electric Vehicle Plugs which is of concern to the Society of Automotive Engineers (SAE) This subject was discussed by Messrs Matthews and Zegers with our German colleagues and an effort is underway to facilitate cooperation on this subject.
- TC 69 Activities – Report given by TC 69 Chairman, Cyriacus Bleijs, at the June SMB meeting in Geneva. (SMB/4025/INF)
- New TC 64 project addressing supply to Electric Vehicles
 - Initial proposal – 64/1681/DC [should have been an NP since proposal for new document]
 - Comments were due 31 July 2009, US submitted comments.
 - Proposed new document – 60364-7-722: Requirements for special installations or locations – Supply of Electric Vehicles
 - Proposal to establish new Project Team – Mr Ken Gettman will volunteer to participate, will ask for additional volunteers from TAG and from TC 69 TAG.
- Secretary’s Note: A very successful Workshop on e-Mobility was hosted by the Standards Institution of Israel (SII) in conjunction with the IEC General Meeting in Tel Aviv.

4.7 SMB Strategic Group #4 – LVDC

(Convener: Anders Elrud, Swedish National Committee)

TMC was reminded that at its meeting in June 2009, the SMB established SG #4 – LVDC Distribution Systems up to 1500 V DC in relation to energy efficiency. Subsequently, Messrs Ken Gettman, NEMA, Dennis Symanski, EPRI, and Kent Donohue, UL, were appointed USNC Representatives. Although related SMB documentation has not, as yet, been issued it is expected that the membership of the Group and its meeting plan will be available by the SMB meeting in Tel Aviv. During discussion, consideration was given to establishing an electronic TAG of material interests whose responsibility would be to provide advice and counsel to the USNC Representatives. Mr Gettman reported that NEMA would be interested in serving as TAG Administrator for such a TAG. It was agreed that the establishment of this electronic TAG should be held in abeyance until after the 1st meeting of SG #4 takes place.

4.8 Metrology – Interpreting the ISO/IEC Directives on Reference and Alternative Test Methods

This is another subject that was raised in the telephone conversation between USNC President Jim Matthews, Mr Zegers and our German SMB colleagues in an effort to draft a uniform position on this subject. Mr Matthews provided a brief report and noted that the subject involves the following:

Excerpt – ISO/IEC Directives Part 2 – Rules for the structure and drafting of International Standards – Para 6.3.5.4

“If more than one adequate test method exists for a characteristic, only one shall in principle be the subject of a document. If, for any reason, more than one test method is to be standardized, the referee (often called “reference”) method shall be identified in the document to resolve doubts or dispute.”

TC 77 and CISPR reflect different perspectives on this subject and an investigation is underway to document the different positions actually reflected in current standards. The SMB hopefully will then be able to examine the evidence and provide guidance to the TCs/SCs following the Tel Aviv meeting.

Section 5 – Management Decisions

5.1 List of TCs/SCs on which the USNC is a NON-MEMBER

Mr. Zegers called attention to the list of 18 TCs/SCs on which the USNC has no P-Membership. He encouraged TMC Members to review the list carefully and to make suggestions of contacts that might be approached about becoming actively involved in establishing a USNC TAG for these IEC Committees.

5.1.1 Re-activation of IEC/TC 5 – Steam Turbines

Mr Zegers reported that the USNC Office has been approached by several contacts that were interested in the possible reactivation of IEC/TC 5, currently in Stand-by status. Secretary's Note: The SMB has now taken official action to reactivate TC 5. Ben Wiant of Siemens has expressed interest as has several individuals at General Electric. An announcement has been published twice in ANSI Standards Action inviting those interested to contact the General Secretary. Before the USNC can take Participating Membership, a TAG Administrator must be assigned, a TA appointed and a TAG of at least 3 Voting Members established of all material interests. If anyone has an interest they were invited to contact the General Secretary.

5.1.2 Voting/Commenting on Documents Where USNC Is a Non-Member

Mr Zegers noted that according to the ISO/IEC Directives and as an IEC National Committee, the USNC has the right to submit comments and vote on documents even though it may be registered as a NON-MEMBER of that particular TC/SC. A question has been raised as to whether or not the USNC should vote/comment in such cases and, if yes, what review mechanism should be used to ensure transparency and due process. The TMC was invited to consider this subject and a lengthy discussion followed. Some suggested that if we don't have a TAG the USNC should not be voting or commenting on a document. Others felt that the USNC had to keep its options open in cases, for example, were one of our TAGs has problems with an action of a TC/SC on which we are not represented or where such a TC/SC suggests a course of action which is totally against USNC policy. In these instances we should have the option of voting negatively and commenting as such. Others expressed the belief that the TMC always has that authority even though it may not be explicit. It was moved, seconded and

VOTED #3 That the USNC TMC is the body responsible for reviewing and determining appropriate USNC comments and/or vote in instances where there is no existing USNC TAG. (This vote was approved 11 affirmative, 2 negative.)

5.2 TMC Task Force on Revision of the TAG Model Operating Procedures.

Mr Zegers provided brief status reports on the TAG Model Operating Procedures Verification Process. TAG Secretaries had been asked to respond by 29 May as to whether or not their TAGs intended to use the revised Model or submit their own Procedures which are as stringent as or more stringent as the Model. There appears to be some misunderstanding of some of the requirements and these are in the process of being resolved. TAGs have been asked to provide evidence that the TAG has endorsed the Model. They have also been asked to provide the definition of quorum that they use. These

requirements, in a number of cases, have not been met and, in two or three instances, TAGs have asked for help in determining their quorum requirements.

In addition, with the retirement of Mr Tom Hanson, a new Task Force Chair must be appointed and the Group reconstituted. Mr Zegers indicated that this group will be asked, along with the Group Managers, to review the unique Procedures submitted by some TAGs and to assess their equivalency to the Model. He invited TMC members to volunteer to serve on this Task Force. Currently, the membership consists of the following:

Sonya Bird
Al Brazauski
Megan Hayes
Ted Marks
Rich Pescatore
Ron Reimer

5.3 Administrative Secretariat – IEC/TC 72

Mr Williams reported that NEMA has expressed its intent to relinquish the Administrative Secretariat of IEC/TC 72 – Automatic Controls for Household Use and has agreed to maintain the activity until a replacement is found. Two organizations, UL and the Air Conditioning, Heating and Refrigeration Institute (AHRI), have expressed initial interest in being assigned this responsibility. Mr Walters noted that AHRI was considering its options and requested a bit more time to complete the process. In terms of approval mechanism, Mr Williams clarified that, at the appropriate time, both organizations will be asked to submit formal position papers requesting this assignment and stating their qualifications for the position. The TMC will then be asked to make its decision and this will, most likely, take place during the January 2010 TMC meeting.

5.4 Group Manager Assignments

Mr Zegers noted that with the addition of several new members Group Manager assignments had to be revisited. It seemed logical that Mr Swanson would assume the TAGs formally held by Mr Hanson and that Mr Green would take responsibility for the TAGs formally assigned to Mr Yandek. The area of challenge is the TAGs to be assigned to Mr Freudenberg. All TMC members were invited to advise the General Secretary of TAGs that they would like to relinquish and would recommend could be reassigned to Mr Freudenberg.

Section 6 Technical and/or Policy Issues for Consideration

6.1 – USNC Objective #4 – Develop a Comprehensive Standards Strategy

Mr Zegers reminded the membership that at its last meeting, the TMC considered and approved USNC Objective #4 – Develop a Comprehensive Standards Strategy and the specific tactic that states as follows:

Work with the National Standards Accreditation Bodies (SCC, DGN (NICE/ANCE), and ANSI) to develop a single process for adopting IEC Standards as national and regional Standards (**ATTACHMENT F**)

Mr Zegers reported that, in conjunction with a FINCA meeting in Buenos Aires later this month, this Objective will be raised with Canada and Mexico in a Tri-National meeting scheduled for 20 September 2009. It is anticipated that each of the Committees will consider the proposal in greater detail and that further discussions will take place in 2010.

6.2 Tri-National Initiatives Canada, Mexico, and USA.

Another topic to be discussed during the meeting with Canada and Mexico is the four Strategic Objectives the were developed some time ago and which need to be rejuvenated because of significant changes in personnel on the related Task Forces. It is hoped that this activity will be reactivated in Buenos Aires and new personnel assigned where necessary. New activities should begin before the end of 2009. The current Tri-National Objectives are as follows:

#1 – Provide Leadership in IEC Management Activities (J E Matthews)

#2 – Develop and maintain an effective communication program to further the objectives of the IEC NCs of Canada, Mexico and US (T Zertuche)

#3 – Develop comprehensive standards strategy for the electrotechnical sector (R A Williams)

#4 – Develop comprehensive conformity assessment strategy for the IEC sector (S H Salot, Jr)

6.3 Forum of the IEC National Committees of the Americas (FINCA) (Argentina, Brazil, Canada, Mexico and USA)

Mr Matthews reported that the next Forum of the IEC National Committees of the Americas (FINCA) meeting is scheduled for Buenos Aires, Argentina on 21 – 22 September 2009. Mr Matthews will chair the meeting and the Argentina NC will serve as host. Mr Matthews noted that, as was reported at the COPANT meeting in the Dominican Republic earlier this year, Chile and Peru are in the process of becoming IEC members and when that happens, they will be welcomed into FINCA.

Although the agenda is still evolving, it is anticipated that the Action Plan drafted by the Secretaries of the 5 Full NCs in their teleconference of 21 January 2009 will be a primary item for discussion. Mr Amaury Santos, Manager, IEC Latin America Regional Center, was a major contributor during that teleconference and is expected to attend the FINCA meeting.

6.4 USNC Policy on Electronic Council/TMC Meetings

Mr Gettman reminded that TMC that the USNC TMC and Council have had long standing rules against members calling in to a meeting for the entire meeting. The attitude has been that providing reports or teleconferencing in for a brief portion of a meeting is doable but NOT for the entire meeting. However, with the current economic situation and some members not being able to attend in person, some have suggested that this policy be reexamined and, in fact, consideration be given to planning one or more electronic meetings each year. Such meetings were scheduled around the time of 9/11 but that was considered an emergency situation and technology has chanced considerably since. After some discussion a specific proposal was consider that TMC schedule an electronic meeting in January 2010 in conjunction

with a similar Council teleconference. It was further agreed that these meetings should be no longer than 4 hours duration and that the start time must take into consideration mid and West Coast time zones. Mr Zegers noted that the other two 2010 meetings will be face to face and that the traditional meeting policies will be in effect. **(ATTACHMENT G)**

6.5 Dual IEC TC Ownership

Mr Zegers reported that Mr Dieter Bergman, IPC, had requested to again bring before the TMC the issue of the Dual TC Ownership for possible submission to the SMB. According to Mr Bergman, this request comes from technologists in Europe, Asia and the US who support the idea of cooperative efforts between standards bodies such as under the ANSI umbrella with the Joint Standards of JEDEC and IPC. Mr Bergman was invited to attend this TMC meeting and to make a presentation or to be represented. He was not available and chose not to be represented.

6.6 Standardization of a Dual-Use Technology from China which Participates in IEC SC 65B Activities but is Not a Signatory of the Wassenaar Arrangement

Mr Zegers called attention to correspondence from Mr Weston Tew of NIST **(ATTACHMENT H)** which suggests the need for an IEC and/or USNC Policy on a trade restriction issue having to do with a NWIP in SC 65B and its relation to the Wassenaar Arrangement. Mr Tew noted that there are a large range of goods traded in the global market which are subject to export restrictions. Many of these fall under the legal framework of the Wassenaar Arrangement as “dual-use technologies”, meaning that they have both commercial and military application. Non-Wassenaar states (e.g. China, India, Mexico) may export dual-use technology goods to any and all importing states, while manufacturers residing within Wassenaar signatory states may only export to other signatory states. There are currently several IEC, ISO and ASTM standards which deal with various aspects of dual-use technology goods. There is, however, no existing policy within either the USNC or IEC which provides guidance for technical committees on how to accommodate the complications this asymmetric trade situation presents when writing standards covering these technologies.

During discussion, it was noted that the NWIP in question makes reference to the Wassenaar Arrangement and notes that it should be taken into consideration in the processing of this document. It was further suggested that the need for either an IEC and/or USNC policy was unclear and further investigation would appear to be needed. Mr Reimer volunteered to contact Mr Tew to discuss this subject in greater detail and to develop a recommendation for the next face-to-face meeting of the TMC. **(ACTION ITEM #1)**

6.7 Partnering and Twinning – Possible Chinese NC and USNC Proposal to IEC

Mr Matthews reported that the Chinese National Committee has approached the USNC with a request that we jointly develop a proposal to Introduce the ISO “Partnering and Twinning Policy” into IEC.

Mr Matthews lead a discussion on this overture from China and the short and long term implications of this action. He noted that it was unlikely that the ISO policy would be accepted in IEC verbatim because of differences in operations but ISO’s experiences will certainly be considered. In addition, it was noted that if such a program is to be launched it is likely that the USNC and Germany may have to consider giving up some of their TC/SC Chairmanships and Secretariats.

6.8 Cell Phone Charger

Mr Matthews noted that, apparently, the Europeans are moving very quickly on the issue of cell phone chargers and shortly the Commission will grant CENELEC a mandate to develop it into a European standard. Several have expressed the hope that IEC will be able to incorporate this project under the Dresden agreement as was agreed by CENELEC leadership and IEC Management. It has been suggested that the USNC push a draft NWIP based on the Micro USB specification. (The key companies involved are Intel-Chairperson, Hewlett-Packard, Microsoft, Motorola, etc.) After some discussion, Mr Matthews and Ms Hayes agreed to accept an Action Item to communicate with the Micro USB Consortia to discuss the IEC standards process and to encourage the Consortia to consider submitting their standard for IEC adoption as an International Standard. **(ACTION ITEM #2)**

6.9 Proposed ISO New Field of Technical Activity on Mechatronics

Mr Zegers called attention to a proposed New Field of Technical Activity on Mechatronics submitted to ISO by AFNOR, the French ISO Member Body. The scope statement follows:

“Standardization in the field of mechatronics, which is an approach aiming at the synergistic integration of mechanics, electronics, control theory, and computer science within product design and manufacturing, in order, in particular, to improve and/or optimize the functionality of mechanical products.”

For background information, the word "mechatronics" was invented in 1969 by Mr. Tetsuro Mori, executive officer of the Japanese company Yaskawa Electric Corporation, a manufacturer of automation systems and components. The word "mechatronics" was built by the combination of "mecha" from "mechanism" and "tronics" from electronics. The word was first registered as a trade mark. Due to its large use worldwide, Yaskawa gave up its rights in 1982.

During discussion, Mr Matthews noted that this subject is more widely known as “**Electromechanics**,” the interface of electronics and mechanical machines. It was unanimously agreed that IEC has significant responsibility for this area whatever it’s called.

6.10 ISO/TS/P 208 Criteria on the Methods of Calculating and Evaluating the Economic Benefits of Electricity Saving Measures

Mr Zegers noted that, as has been previously reported, the subject proposal failed in its vote among the ISO Member Bodies. The official voting results and compiled comments were provided as USNC/TMC 617.

Following expressions of concern by the IEC, further discussions took place with ISO SAC with the result that SAC agreed that the scope of the proposal should be changed to address "Energy use - Calculation of total financial and CO2 savings through reduced energy use in industrial processes" which was more in line with the recommendations of the ISO/TMB SAG-Energy. In the light of the voting results, it has been proposed that SAC be invited to revise the proposal if SAC so wishes, to discuss the revised proposal with the ISO/TMB SAG-Energy at its next meeting, and to submit a new proposal for voting by the ISO member bodies. Apparently, the IEC Central Office has been advised and is in agreement with this course of action. If this proposal is resubmitted by China, the IEC will again have to consider its position on this development.

6.11 Review of IEC Maintenance Procedures Response

Mr Brazauski discussed with the TMC the positions of TC 61 and TC 108 with respect to proposed changes to the maintenance procedures, particularly the continued use of the Document for Comment (DC). He sought and was given TMC's support in registering concern about this intended action. **General Secretary's Note:** Subsequent to the meeting, clarification was obtained from IEC's Michael Casson that the DC is not being proposed for elimination.

At this point, Mr Zegers called attention to the following two recently circulated documents and invited comment and input:

- Draft Best Practices for Standards and Conformance Guide
- Call for Nomination - ANSI Expert for the Revision of ISO/IEC Guide 51 – Safety aspects - Guidelines for their inclusion in standards

Section 7 U S Hosted IEC General Meeting – 2010 Seattle, WA

Mr Matthews provided a brief report on plans for the U.S. hosted IEC General Meeting in 2010 in Seattle, WA. He updated the TMC on the current list of 55 General Sponsors and 51 Technical Sponsors and their categories and on the list of TCs/SCs to be invited to meet at what will be the largest IEC GM ever. If all those currently being considered are invited, 91 TCs/SCs will be meeting in Seattle and, while none will be dis-invited, some still have a financial gap that the related USNC TAGs are working to eliminate. Some 2400 delegates plus accompanying persons are expected and one of the primary themes of the event will be TC/SC Networking. Mr Matthews reported on the following:

- Young Professionals' Initiative
- TC/SC Officers' Workshop
- Guests and Observers
- Do's and Do Not's

(ATTACHMENT I)

Section 8 COPANT Technical Committees

Mr. Gene Eckhart, NEMA, current Chair of the ANSI Regional Standing Committee – Americas, joined the meeting by teleconference and provided a brief report on COPANT TCs 151/152. He noted that both TCs are having difficulties in find venues for future meetings and an invitation to the US may have been declined because of visa issues including the time consuming process and the new \$100 fee.

During discussion, it was noted that the future of TC 151 and TC 152 will be discussed by Canada, Mexico and the USNC during the tri-national meeting in Buenos Aires later in September.

Section 9 Reports TAs, Secretaries, IEC Advisory Committees and Sector Boards

9.1 Mr Louis F Sanders, American Public Transportation Association, TA, provided a brief report on the activities of IEC/TC 9 – Electrical Equipment and Systems for Railways. He noted that the USNC would be hosting the next meeting of TC 9 in Washington, DC in November 2009.

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

Mr. Rob Friedman provided a written report. (ATTACHMENT J)

9.3 Advisory Committee on Electromagnetic Compatibility (ACEC) US Coordinating Committee on EMC

Mr Don Heirman, U.S. Representative on ACEC, provided a brief report. (ATTACHMENT K) He highlighted the report of the most recent ACEC meeting and noted that the discussion of the subject of Alternate Test Methods was omitted. Also, the new Terms of Reference for ACEC says that the Chairs of TC 77 and CISPR are Ex-Officio, however, in the SMB ACEC Report it indicates that their terms are up on 2011. This error should be corrected.

9.4. Advisory Committee on Safety (ACOS) and US Safety Coordinating Committee (USSCC)

Mr Al Brazauski, Chair of the USSCC and one of the USNC Members on ACOS, provided a brief report on ACOS, USSCC and TC 108. (ATTACHMENT L)

9.5 Sector Board 3 – Industrial Automation Systems

No activity to report.

9.6 Sector Board 4 – Infrastructure of Telecommunications Networks

Dr Michael Komfort, one of the USNC reps to Sector Board 4 provided a written report. (ATTACHMENT M)

Ms Hoyler supplemented Dr Komfort's report with a brief report on the Global Standards Collaboration – 14 meeting held on 13 – 16 July 2009 in Geneva.

Section 10 – Future Meeting Dates

The following meeting dates were confirmed:

2009

Sunday/Friday, 18 – 23 October 2009
73rd IEC General Meeting, Tel Aviv, Israel
Sunday, 18 October 2009 – SMB
Monday, 19 October 2009 – CAB

Tuesday, 20 October 2009 – CB
Thursday, 22 October 2009 - Council

2010

Tuesday – Wednesday, 12 – 13 January 2010 TMC/Council Electronic Meetings

Wednesday, 10 February 2010 – SMB, Geneva

Tuesday – Wednesday, 11 – 12 May 2010 TMC/Council Meetings
Washington, DC Area

Monday, 7 June 2010 – CAB, Geneva
Tuesday, 8 June 2010 – SMB, Geneva
Thursday, 10 June 2010 – CB, Geneva

Wednesday – Thursday, 8 – 9 September 2010 TMC/Council Meetings
UL Office, Research Triangle Park, NC

Wednesday/Friday, 6 – 15 October 2010
74th IEC General meeting, Seattle, WA, USA
Monday, 11 October 2010 – SMB
Tuesday, 12 October 2010 – CAB
Thursday, 14 October 2010 – CB
Friday, 15 October 2010 – Council

2011

Wednesday, 9 February 2011 – SMB, Geneva

Thursday, 9 June 2011 – SMB, Stockholm, Sweden

Monday, 24 October 2011 – SMB, Melbourne, Australia (75th IEC General Meeting)

Section 11 – Summary of Action Items

Action Item

2009-09-01 #1

R H Reimer

Mr Reimer volunteered to contact Mr Tew to discuss this subject (i.e. need for IEC and/or USNC policy re the Wassenaar Arrangement) in greater detail and to develop a recommendation for the next face-to-face meeting of the TMC.

Action Item

2009-09-01 #2

J E Matthews/M Hayes

Mr Matthews and Ms Hayes agreed to accept an Action Item to communicate with the Micro USB Consortia to discuss the IEC standards process and to encourage the Consortia to consider submitting their standard for IEC adoption as an International Standard.

Section 12 – Adjournment

The meeting was adjourned at 3.20 p.m.

Respectfully submitted;
Charles T Zegers
General Secretary USNC
25 November 2009