

2010 Costa Rica Conference— Unfinished Business and New Opportunities

CANENA's stature on the regional standardization stage was strongly reinforced by its leadership in convening the March, 2010 conference "Energy Efficiency and Electrical Safety – Priorities for the Americas", in San José, Costa Rica. The true success of the conference will be measured by what we do next.



The agenda and ensuing discussions that took place during the three day conference clearly established the overlapping of these two priorities and their interdependence. While the focus in nearly

every market is clearly on more efficient utilization of the existing capacity of generated power and advancing the technologies that will provide sustainable and renewable power sources into the future, there is an immediate need to address real threats to public safety resulting from the free flow of counterfeit electrical products into our region. Implementing effective standards is an important first step in addressing both priorities, and a harmonized approach

throughout the region, and globally is preferred.

The urgency of these two priorities is evident by the intense dialogue in virtually every national, regional and international forum, in both public and private sectors. The need is obvious but what is the right, or best approach is not, given the often divergent philosophies. Why is a harmonized approach preferred? Quite simply, a harmonized approach that unifies markets will create economic benefits for each participant, that will ultimately pay for a sustainable result. Harmonized standards, supporting harmonized approaches to necessary market controls, including necessary regulation, invites investment in markets and development of new technologies.

This fundamental market infrastructure is also the best defense against disruptive market forces such as substandard and counterfeit products.

Once installed, sub-standard and unsafe products create a risk of fire and electrical shock hazards that will be present for years to come.

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From the President

Dear CANENA members and friends,

CANENA has just completed its sixteenth year. This is a good time to take a look back to see what we have accomplished and then, look ahead to see what challenges we will be facing in the near future.

Let's take a look at some of our notable accomplishments: 76 harmonized standards have been published, 20 in the past four years; nearly 40% of our active harmonization projects are now based on IEC standards; we now have nearly 300 registered members, and company and association memberships that form our new Sustaining Company and Association Advisory Committee (SCAAC); and our influence and cooperation has reached outside of North America as CANENA has

directly engaged the fast growing economies of Central America, the Caribbean and the Andean nations of South America. A capstone achievement was realized in



2010 when COPANT standard 1710-2010 was published. This COPANT standard is the result of the cooperation between a combination of CANENA THCs and AMN in the Mercosur countries of South America, to achieve a harmonized standard throughout the Western Hemisphere based on IEC 60335-1, Household and similar electrical appliances - Safety - Part I: General requirements.

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New CANENA Advisory Committee Forms

The inaugural meeting of the CANENA Sustaining Company and Association Advisory Committee (SCAAC) was held in Rosslyn, VA on September 25, 2010. The committee was instituted by the CANENA Executive Committee as part of an expanded membership and funding model for the Council.

The SCAAC is not intended as board of directors. The purpose of this advisory committee is to provide individual and consensus input from CANENA's most committed member groups to the CANENA Executive Committee to assist in establishing annual business plans, metrics, strategies and budgets.

According to CANENA President Rafael Yañez, "Membership on the CANENA SCAAC provides an additional value for a company or association member by offering a forum that can directly influence the CANENA process." Mr. Yañez added that "Creation of this advisory board is expected to help to

elevate awareness of the purpose and achievements of CANENA."

Among the topics of discussion at the first meeting were CANENA's funding model and exploring CANENA's role in system standards such as Smart Grid and Energy Efficiency. A consensus was reached on the need for CANENA to better communicate its role and process to non-members, and to document cases demonstrating real value that the process delivers to its members. Expanding the number of association and sustaining company members is a priority for gaining broader perspectives from this new advisory committee.

Membership on the Sustaining Company & Association Advisory Committee is intended to include those CANENA member companies and associations that provide sustaining support (monetary or in-kind) for the purpose and modest administration of CANENA. Annual dues for "sustaining

company" membership includes an amount beyond the sum of the individual dues for a company's CANENA participants. That additional amount, along with the annual dues from association members, provides funding to carry out CANENA's Cooperation and Communication Strategy and intends to help control the Council's dependence on "in-kind" contributions which are so vital to CANENA's operations. By far, the largest in-kind contribution to CANENA is the funding by NEMA of the CANENA Secretary General. However, there are many other important in-kind contributions that cannot be taken for granted.

To learn more about the different classes of CANENA membership and membership benefits, please visit www.CANENA.org/membership or contact CANENA Secretary General Joel Solis 703-841-3267, joel.solis@nema.org.

"Membership on the CANENA SCAAC provides an additional value for a company or association member by offering a forum that can directly influence the CANENA process."

*CANENA President
Rafael Yañez*

In Memoriam— Joseph Neu

The CANENA family, and our industry lost a great volunteer and friend in 2010. Joseph Neu, CANENA Vice President from Canada, and Vice President, Engineering, Codes & Standards with Electro-Federation Canada (EFC), died suddenly on September 21.

Joseph admirably lead the Canadian members of CANENA serving on the Executive Committee for more than 10

years and directly supported the wire and cable industry sector even before that. He helped assure a strong Canadian industry voice in the development of CANENA processes in close cooperation with the Canadian Standards and CSA International. His contributions to CANENA's development were many. Under his direction, EFC served as CANENA's membership Registrar as well as supporting the Council

Treasurer with the accounting function.

We all will miss Joseph's infectious smile, positive approach and his commitment to electrical safety. Our hearts go out to his family, his Canadian industry associates and to Electro-Federation Canada.



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Dates to Remember

- ◆ CANENA Annual General Meeting "Focusing on the Future" — March 2-3, 2011, San Antonio, Texas, USA
- ◆ COPANT General Assembly Meeting — May 12-13, 2011, Santiago, Chile
- ◆ NFPA World Safety Conference and Exposition — June 13-15, 2011, Boston, Massachusetts, U.S.A.
- ◆ CSA Annual Conference and Committee Week — June 12-14, 2011, Victoria, British Columbia, Canada
- ◆ 60th Annual SES - Conference — August 14-18, 2011, Las Vegas, Nevada USA
- ◆ 75th IEC General Meeting — October 17-28, 2011, Melbourne, Australia

CANENA Technical Programs

The pace of new harmonized standards slowed in 2010 with publication of only one new standard:

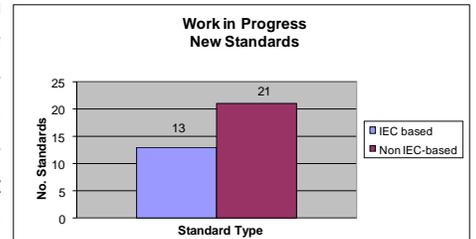
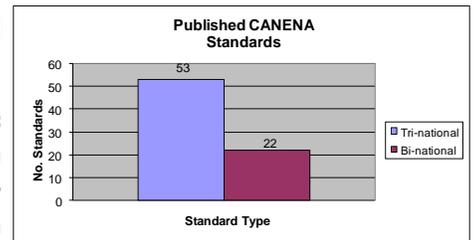
Trinational: *UL 62275/CSA C22.2 No. 62275-2010/NMX-J-623-ANCE, Cables for electrical installations.* This is adoption of IEC 62275 with regional deviations.

The activity level of most THCs and THSCs however remains high with scheduled maintenance cycles and amendment activities. Work in progress on new harmonized standards remained steady with the continuation of the trend toward more programs based on IEC standards. The hallmark

event of 2010 was the publication of COPANT standard 1710-2010. This standard is the result of the cooperation between a combination of CANENA THCs and AMN in the Mercosur countries of South America, to achieve a harmonized standard throughout the Western Hemisphere based on IEC 60335-1, Household and similar electrical appliances - Safety - Part 1: General requirements. CANENA is rightfully proud of its part in this achievement, which represents the full realization of the vision of CANENA's founders. It also emphasizes the value of regional cooperation in standards as a stepping stone toward

globally relevant international standards.

Focusing on the future, THCs and THSCs are encouraged to revisit the business case for their programs as a means to ensure active membership. In addition each should renew their knowledge of the fundamentals contained in the CANENA harmonization procedures and the many tools that are available to assist in the efficiency of each program and ensure the satisfaction of each stakeholder in the CANENA process.



Meet the CANENA Executive Committee



Rafael Yañez
Mexico
President



Joel Solis
United States
Secretary General



Stephen Brown
Canada
Treasurer



Carlos Rodriguez
Costa Rica
Vice-President
Ambassador-at-Large



William Bryans
Canada
Vice-President



Julian Yarza
Mexico
Vice-President



William Hansen
United States
Vice-President



Timothy McNeive
United States
Immediate Past-President



Rafael Nava
Mexico
Ambassador-at-Large



Michael Smith
Canada
Member-at-Large



Noe Garcia
Mexico
Member-at-Large



Christel Hunter
United States
Member-at-Large



Luis Ivan Hernandez
Mexico
SDD Representative-ANCE



Michael Wilson
Canada
SDD Representative-CSA



Sonya Bird
United States
SDD Representative-UL
Audit Committee Chair

Elevating the Standards Profession

An increasing awareness is needed of the role that standards and the processes by which they are written and maintained play as an important foundation in both our national economies and our personal lives. It may be too much to ask that C-Suite executives will become conversant on this subject, but there is a critical need to begin to elevate the stature of the standards professional, an endangered species.

The management team that occupies the executive suite of a corporate office building spends little time, if any, pondering the effectiveness of the foundation on which the building sits. They, and every occupant of the structure, come to work each day with unthinking confidence that the foundation was planned and laid by "professionals" and will endure. Likely, more consideration is given to the many systems that serve the structure and the occupants, especially those that directly affect the company's productivity. The costs associated with maintaining these systems, including the professionals who do the work, are regularly budgeted and easily the returns on this annual investment is measurable. As for the structure's foundation, most often it is static, only able to be maintained at great expense.

The aforementioned "professionals" are trained to apply locally enforced codes and standards that underlie the confidence and expectations of the owner or occupant of the building. Continuing education is often required

for licensing of these professionals to keep current on changing codes, standards and technologies. Unlike a structure's static foundation, this network of system and component standards and enforceable codes,



forming a critical foundation for both performance and safety, are dynamic and require regular maintenance by trained professionals. The good news is that processes exist that allow for their affordable maintenance. The bad news is that there is dwindling investment in trained standards professionals who oversee or participate in the processes. Many agree this lack of investment is reaching a critical point.

Balanced representation and consensus among representatives are fundamental to effective standards systems. Nearly every key stakeholder group, which among others includes producers, users, inspector/regulators and general interests, are increasingly under-represented in the ongoing processes. Besides the potential for reductions in safety and performance of products and systems, failing standards processes pose restraints to the introduction of new technologies and the risk of the introduction of otherwise unnecessary regulations.

Grassroots efforts are underway to begin to create the needed awareness

of the important role that standards professionals play and to stimulate development of institutional curriculum on the subject. The International Electrotechnical Commission (IEC) recently instituted its "Young Professionals Program" in an effort to create a model for member countries to follow. But, more immediate reaction is needed to reverse this very dangerous trend. ANSI, the American National Standards Institute, has developed and implemented its "Standards Boost Business"

campaign to help raise awareness of the value of standards. Many organizations have partnered with ANSI in this effort.

One of the more profound opportunities that exists for standards professionals to elevate the perception of their profession is through membership in SES – The Society for Standards Professionals (formerly known as Standards Engineering Society) and their standards professional certification program. "AStd" standards professional certification is an entry level that demonstrates a fundamental knowledge of standards and their application, and the "CStd" certification demonstrates a thorough, more sophisticated knowledge of the principles, techniques and effects of standardization and recognizes the applicant's experience, expertise and contributions in the area of standards. An applicant need not be an SES member, and may be certified in either one of these two categories.

Successful applicants are entitled to use the "AStd" or "CStd" designation as appropriate in personnel records,

resumes, letterheads, business cards, etc. to signify peer recognition of professional competence in the field of standards and standardization.

Fully dedicated to the education, training, professional development, and certification of the standards professional, the SES mission is to "provide opportunities for professional development through quality programs and services for standards users and professionals, and to promote the awareness, use, and value of standards and standardization to the private and public sectors."

SES Membership is open to anyone interested in the principles, techniques, and effects of standards and standardization. If you use standards, work with standards, serve on standards development committees, or are an information specialist serving the standards field, you will benefit from SES membership. Membership is drawn from industry, commerce, academia, service organizations, government, and standards development organizations.

Go to www.ses-standards.org for more information on the SES standards professional certification program and SES membership.



Elements of Success—CANENA THC 99 Electrical Connectors

CANENA THC 99, Electrical Connectors, has had an excellent record of harmonizing North American standards. During this period, six harmonized standards were published and, two of these were amended following the initial publication of the standard. Two more standards were submitted to the SDOs for processing.

The intention of this article is identify elements that exist within THC 99 that allowed it to achieve these accomplishments and, perhaps, to add some insight into improving the performance of other CANENA harmonization projects.

While reviewing the activities of CANENA THC 99, the following elements stick out as keys to its success.

Committee Leadership: The chairman of THC 99 had a clear vision of what he wanted the THC to accomplish, and he shared this vision with the THC members using the CANENA THC Harmonization Plan. The plan was a matrix of all the harmonization projects that the THC had undertaken or planned in the future. It was reviewed and updated at every THC 99 meeting. By creating and sharing this vision, every member of the THC had a clear picture what the THC was about, what it had accomplished in the past and what it aspired to accomplish in the future.

Technical Leadership: While the technical leadership provided by the SDO representatives benefitted THC 99 in several ways, the greatest benefit was from the development of the seed document, which served as the starting point for each harmonization project. This document, which combined like requirements and other topics from each of the standards being harmonized, was generally prepared by the UL Principal Engineer prior to the first

THC meeting on the subject. The seed document served as the starting point for the project and allowed the THC to “hit the ground running.”

Technical leadership also benefitted THC 99 in another significant way. Throughout the harmonization process as the THC selected which requirements from ANCE, CSA or UL would be included in the harmonized document, these potential changes were shared with the corresponding technical committee of each SDO: ANCE SC200, CSA Integrated Committee on Electrical Connectors and the several UL STPs. This allowed feedback from these groups to be brought to THC 99 at its next meeting rather than waiting until the THC had completed its work and turned the document over to the Publication Coordinator.

Secretarial Support: Secretarial support aided THC 99 in a number of ways, but of these two were key to the THC’s progress. The first was support provided at the meeting by having the necessary documents readily available for viewing by the members, by being an active participant in the THC’s deliberations, and in documenting the THC’s decisions in meeting minutes and progressive drafts of the standard. This allowed the THC to move quickly through the seed document or subsequent drafts and to know precisely what had been decided at a meeting and where the progress had stopped. The second was in documenting action items, including responsibilities and due dates in an Action Item Report. This made clear who was responsible for what actions between meetings and it allowed for easy follow up by the secretary and, if necessary, the

chairman. No longer was the excuse that “I forgot” heard at THC 99 meetings relative to assigned action items.

The use of the NEMA Forum (Workspace) also made it easy to find documents whenever needed.

Meeting Schedule: The chairman with the support of the THC 99 members, established a schedule that called for three sets of meetings per year, one each in Canada, Mexico and the U.S. Each meeting was scheduled for 2-1/2 to 3 days, and was scheduled well in advance to minimize conflicts with other meetings. This cumulative period of 7-1/2 to 9 days each year focused on the harmonization of standards at face-to-face meetings allowed significant progress to be made. Further, these meetings served as milestones for the members, who knew that their work between meetings needed to be completed in time for these meetings. Many less complicated and onerous topics were handled by teleconferences so that progress was made between meetings. This further kept the standards in the members’ minds.

Meeting Locations: Meeting locations were selected to draw as many of the THC members to the meeting as possible and included low cost historical towns such as Guanajuato, reasonably priced Mexican resorts as well as attractive and economical locations in the U.S. and Canada. Often, locations in the U.S. were chosen so as to afford the greatest chance of participation by the Mexican contingent. Timing was also important with summer meetings held in Canada, winter meetings in Mexico and in between in the U.S.A. This has

been a win-win situation for the THC and its members. With great participation at most of its meetings, progress was made quickly. And the members had the opportunity to come in a few days early or stay a few days after the meeting to enjoy the location.

“The intention of this article is identify elements that exist within THC 99 that allowed it to achieve these accomplishments and, perhaps, to add some insight into improving the performance of other CANENA harmonization projects.”

Camaraderie: Finally, the meeting environment, working together for two or three days in a row, eating meals together, getting to meet members’ wives, etc. lead to the development of a strong sense of camaraderie among many of the members. In some cases, this has led to the start of life long friendships. This sense of camaraderie and friendship helped to drive the members to work harder and, when necessary, longer to accomplish the goals of the team.

The leadership team of CANENA THC 99— Electrical Connectors is:

Ron Lai— Chairman, Burndy LLC.

Vince Baclawski—Secretary, NEMA

Jake Killinger,
Underwriters Laboratories
Principal Engineer (PDE)



2010 Costa Rica Conference- *Continued from Page 1*

At the completion of the Costa Rica conference, the attendees drafted important closing statements that represent key follow up actions. CANENA has an active role in facilitating the future harmonization of electrical safety and energy efficiency throughout the region of the Americas.

The following summarizes the closing statements related to electrical safety and energy efficiency, and serve as our call to action:

It is agreed that there is a direct relationship between the priorities for electrical safety and energy efficiency in the region of the Americas.

Electrical product safety standards are one of the essential tools for public safety and market development. Along with an enforceable installation Code and a system for independent inspection of installations, technical product standards define public safety, accommodate for safe introduction of new technology and

stimulate investment in the markets.

It is essential to follow through on priorities to establish relevant electro-technical safety standards in all countries in the region, harmonized to the greatest extent possible. This priority is driven at this time by the very real and increasing threats from counterfeit products and the strong desire, particularly in emerging markets, to realize the benefits from new technologies, free trade and resulting public safety.

It is agreed that public policy differences are the greatest inhibitor to progress and perhaps the only way to begin to align policy is through a harmonized effort by the private sector including industry, non-governmental organizations (NGO) and academia. As a starting point, it is important to identify and perhaps rank the most progressive and successful approaches and recommend a model harmonized approach.

From the President- *Continued from Page 1*

Without a doubt, we foresee challenges in our future. These challenges result from emerging trends in our electro-technical marketplace and also represent great opportunities. Among these are: to become more global, moving beyond NAFTA, adapting our process to the benefit of our broader and growing regional marketplace; to converge our processes faster than the pace of technology convergence, that is, reduce time to market for harmonized standards; and, to welcome new horizons of standardization, be smart by facilitating regional and internationally harmonized Smart Grid standards and efficient by seeking common ground in approaches to Energy Efficiency. And, we can't ignore the plague of counterfeiting that is effectively undermining the common goal of electrical safety.

In some of my past messages I addressed how CANENA was founded: "The idea of a group of visionary and inspired people". The reason I believe CANENA has accomplished

So much is the continuous hard work of our members. And the reason why CANENA will continue its mission is the conviction of all members and stakeholders to face the above mentioned challenges resulting in what I personally call, **A renewed Electro-technical business, surely more profitable and at the same time less aggressive with our planet earth.**

In closing, it has been a privilege to have been the President of CANENA. I want to thank everyone for their support through these past four years. And as has been our tradition, I will be handing over the reins to our next president who is to be nominated by CANENA's Canadian members. I look forward to working with our new president and the executive committee to keep the Council's momentum moving forward.

Rafael Yañez Hoyos

Thanks to the 2010
CANENA Sustaining and Supporting Company &
Association Members

AHRI Air-Conditioning, Heating,
and Refrigeration Institute



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Y DE ARQUITECTOS DE COSTA RICA



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