



Consejo de Armonización de Normas Electrotecnicas de las Naciones en las Americas
Council for Harmonization of Electrotechnical Standards of the Nations in the Americas

**Address given by Sr. Rafael Nava, CANENA Ambassador-at-Large
COPANT General Assembly Meeting, 5-8 May 2019 – Cartagena de Indias,
Colombia**

On behalf of the members of CANENA, thank you for your invitation to take part in the COPANT General Assembly Meeting. I welcome the opportunity for the next few minutes to update you on our most recent activities. The 2019 CANENA Annual Meeting (AGM) highlighted the emerging challenges facing CANENA, focusing on the U.S.-Mexico-Canada Agreement (USMCA) and its implication for regional cooperation and standardization.

The original 1994 trade agreement between Canada, Mexico and the United States, called the North American Free Trade Agreement (NAFTA) has been modernized and renamed as the U.S.-Mexico-Canada Agreement or USMCA. Agreement on USMCA was reached after undergoing more than a year of multilateral talks and corresponding national consultations. Our National leaders have hailed it as a win-win-win and on November 30, 2018 signed the trade deal at the G-20 Leaders' Summit in Buenos Aires. The next step is for each country's national legislatures to ratify the USMCA. Amid transitions, CANENA looks to the future.

CANENA was constituted as a facilitator of the harmonization of electrotechnical standards, focal point for contacts within each country, exchange of information and a forum where the technical harmonization committees work on technical aspects of the issues to be harmonized. Today with almost 100 harmonized themes, it can be said that it is fulfilling this function.

Key Takeaways:

Held in Mexico City in the early months of a new presidential administration, the 27th Annual General Meeting of the Council for Harmonization of Electrotechnical Standards of the Nations in the Americas (CANENA) presented the organization with a series of challenges and opportunities.

Opening the meeting on February 26, CANENA President Julian Yarza presented the assembled standards and conformity assessment experts from the U.S., Canada, and Mexico, with a dashboard view of international competition in standards development in a time of profound technological changes. He pointed to the U.S. Mexico Canada Agreement (USMCA), the trade pact negotiated to build on and replace the North

American Free Trade Agreement (NAFTA), as presenting new opportunities for North American partners to cooperate on standards for products and systems.

The USMCA theme continued through the rest of the two-day meeting, with speakers from all three countries commenting on commitments made in USMCA to enhance transparency and increase collaboration to prevent trade barriers while promoting safety, confidence, and competitiveness.

Abel Hernandez, general director of ANCE, called on CANENA to become more proactive and to get involved in mutual recognition of standards and regulations. Day-one breakout sessions developed recommendations for new CANENA activities and focus areas, including but not limited to standards harmonization process efficiencies; documenting through case studies the value of harmonization of national standards via CANENA; and greater interactions with stakeholders and regulators.

Mexico's governmental transition was a second theme and prominent contextual element for the meeting. Fewer than 100 days after new President Andrés Manuel López Obrador's inauguration on December 1, 2018, day two of the CANENA meeting featured a panel of Mexican regulatory officials explaining their objectives and challenges. Speakers included the General Directorate for Standards (DGN) in the Economy Secretariat; the Energy Secretariat; the utility regulator (CRE), the Institute for Telecommunications, and the council for energy efficiency (CONUEE). In summary, each speaker emphasized her agency's authority and plans to continue to set mandatory federal standards.

Goals and Strategic Objectives for the Coming Year

1. **Future Direction of CANENA Looking Bright:** CANENA is approaching its first quarter century with ninety-eight (98) harmonized, electrotechnical standards in its portfolio. Regional harmonization of electrotechnical safety standards, undertaken in support of the North American Free Trade Agreement has now been accomplished. Manufacturer, product standard developer, certification and testing organization and end-users alike are realizing long-term economic benefits to harmonized standards, and now wish to advance CANENA as a premier player in the highly competitive standards arena. Therefore, our challenge ahead is to sustain progress. In 2017, the CANENA Board of Directors empowered a task force to formulate a new vision and a new mission for CANENA. Moving toward international harmonization is now a CANENA goal, see [Annex 1, Update of the CANENA Strategic Plan](#).

Issues, Barriers, Concerns or Opportunities

1. **27th CANENA Annual Meeting:** In preparation for the 2019 Annual Meeting, CANENA's Planning Committee will survey members for ideas on theme and content. The committee will consist of Maria Jimenez (Chair), Michael Wilson, Donald Harris, Valara Davis, Juan Rosales, Louis Ivan Hernandez and Joel Solis.

Once again next year we welcome COPANT to participate at the 27th CANENA Annual Meeting, to be held February 27-28, 2019 in Mexico City. The reasoning for selecting Mexico City as the 2019 meeting venue is the anticipation of an updated North American Free Trade Agreement and to meet with political appointees of Mexico's Dirección General de Normas (DGN). We greatly value the close relationship our Council enjoys with COPANT, and are always open to exploring greater areas of cooperation.

CANENA is not an accredited standards development organization in any country. It is an industry-driven process dedicated to enhancing free trade through the harmonization of standards, installation codes and other technical requirements in the countries of our members. Membership in CANENA is individual, by company or industry association and not by country. CANENA Technical Harmonization Committees have defined scopes, and the documents they produce are taken into the separate national approval processes by the participating accredited SDOs. Through separate agreements and procedures established between the participating SDOs, harmonized national standards are then published. CANENA's published Cooperation and Communication Strategy ensures transparency of the process, and is our commitment towards acting in a complementary manner with each official national, regional and international standardization entity. To obtain more information about CANENA, go to www.CANENA.org

Thank you once again for inviting CANENA to participate in the COPANT 2018 General Assembly.

ANNEX 2, PUBLISHED STANDARDS

UL Standard Number	CSA Standard Number	ANCE Standard Number	Standard Title	Harmonization Type
5A	62.1	N/A	Nonmetallic Surface Raceways and Fittings	Binational
6	45	534	Electrical Rigid Metal Conduit --Steel	Trinational
6A	22.2 No. 45.2-08	576	Electrical Rigid Metal Conduit -- Aluminum, Red Brass, and Stainless Steel	Trinational
20	111-10	N/A	General-Use Snap Switches	Binational
44	38	451	Thermoset-Insulated Wires and Cables	Trinational
50	94.1	235/1	Enclosures for Electrical Equipment, Non- Environmental Considerations	Trinational
50E	94.2	235/2	Enclosures for Electrical Equipment, Environmental Considerations	Trinational
62	49	436	Flexible Cord and Cables	Trinational
83	75	NMX-J-010	Thermoplastic-Insulated Wires and Cables	Trinational
98	4	162	Enclosed and Dead-Front Switches	Trinational
218	C22.2 No. 263	NMX-J-626-ANCE-2009	Fire Pump Controllers	Trinational
224	198.1	N/A	Extruded Insulating Tubing	Binational
248-1	N/A	009/248/1	Low-Voltage Fuses - Part 1: General Requirements	Trinational
248-10	248-10	009/248/10	Low-Voltage Fuses - Part 10: Class L Fuses	Trinational
248-11	248.11	009/248/11	Low-Voltage Fuses - Part 11: Plug Fuses	Trinational
248-12	248.12	009/248/12	Low-Voltage Fuses - Part 12: Class R Fuses	Trinational
248-13	248.13	009/248/13	UL 248-13 Low-Voltage Fuses - Part 13: Semiconductor Fuses	Trinational
248-14	248.14	009/248/14	Low-Voltage Fuses - Part 14: Supplemental Fuses	Trinational
248-15	248.15	009/248/15	Low-Voltage Fuses - Part 15: Class T Fuses	Trinational
248-16	248-16	009/248/16	Low-Voltage Fuses - Part 16: Test Limiters	Trinational
248-2	248.9	009/248/9	Low-Voltage Fuses - Part 9: Class K Fuses	Trinational
248-3	248.3	009/248/3	Low-Voltage Fuses - Part 2: Class C Fuses	Trinational

UL Standard Number	CSA Standard Number	ANCE Standard Number	Standard Title	Harmonization Type
248-4	248.4	009/248/4	Low-Voltage Fuses - Part 4: Class CC Fuses	Trinational
248-5	248.5	009/248/5	Low-Voltage Fuses - Part 5: Class G Fuses	Trinational
248-6	248.6	009/248/6	Low-Voltage Fuses - Part 6: Class H Non-Renewable Fuses	Trinational
248-7	248.7	009/248/7	Low-Voltage Fuses - Part 7: Class H Renewable Fuses	Trinational
248-8	248.8	009/248/8	Low-Voltage Fuses - Part 8: Class J Fuses	Trinational
248-9	248.9	009/248/9	Low-Voltage Fuses - Part 9: Class K Fuses	Trinational
310	153	N/A	Electrical Quick-Connect Terminals	Binational
347	253	564/106	Alternating Current Contactors and Contactor-Based Controllers Rated 150-1 to 7200 V	Trinational
467	41	590	Grounding and Bonding Equipment	Trinational
486	41	590	Grounding and Bonding Equipment	Binational
486A-486B	C22.2 No. 65	543	Wire Connectors	Trinational
486C	C22.2 No. 188	548	Splicing Wire Connectors	Trinational
486D	198.2	NMX-J-519	Sealed Wire Connector Systems	Trinational
486F	291	N/A	Bare and Covered Ferrules	Binational
489	5	NMX-J-266	Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures	Trinational
489B	305	NA	Molded-Case Circuit Breakers, Molded-Case Switches and Circuit-Breaker Enclosures for use with Photovoltaic (PV) Systems	Binational
496	43	N/A	Lampholders	Binational
514A	18.1	023/1	Metallic Outlet Boxes	Trinational
514B	18.3	NMX-J-017	Conduit, Tubing and Cable Fittings	Trinational
514D	42.1	N/A	Cover Plates for Flush-Mounted Wiring Devices	Binational
568	126.2	N/A	Nonmetallic Cable Tray Systems	Binational
674	145	652	Electric Motors and Generators for Use in Hazardous (Classified) Locations	Trinational
773A	284-16	NMX-J-715	Nonindustrial Photoelectric Switches for Lighting Control	Trinational

UL Standard Number	CSA Standard Number	ANCE Standard Number	Standard Title	Harmonization Type
797	22.2 No.83.1	NMX-J-536	Electric Metallic Tubing -- Steel	Trinational
845	254	353	Motor Control Centers	Trinational
857	27	NMX-J-148	Busways	Trinational
891	244	118/2	Switchboards	Trinational
943	144.1	NMX-J-520-ANCE-2006	Ground-Fault Circuit-Interrupters	Trinational
1008	178.1	NMX-J-672	Transfer Switch Equipment	Trinational
1441	198.3	N/A	Coated Electrical Sleeving	Binational
1472	184.1	N/A	Solid-State Dimming Controls	Binational
1565	C22.2 18.5	N/A	Positioning Device	Binational
1598	250.0	307/1	Luminaires	Trinational
1653	227.1	N/A	Electrical Nonmetallic Tubing	Binational
1660	227.2.1	N/A	Liquid-Tight Flexible Nonmetallic Conduit	Binational
1682	182.1	N/A	Standard for Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type	Binational
1691	1691	N/A	Single Conductor Pin and Sleeve Devices Intended for Theater, Stage and Studio Applications	Binational
1696	227.3	N/A	Nonmetallic Mechanical Protection Tubing	Binational
1786	256	N/A	Direct Plug-In Nightlights	Binational
1993	1993	578	Self-Ballasted Lamps and Lamp Adapters	Trinational
1995	236	N/A	Heating and Cooling Equipment	Binational
2157	169-15	N/A	Electric Clothes Washing Machines and Extractors	Binational
2158	112-15	N/A	Electric Clothes Dryer	Binational
2231-1	281.1	NMX-J-668/1	Personal Protection Systems for Electric Vehicles (EV) Supply Circuits – Part 1: General Requirements	Trinational
2231-2	281.2	NMX-J-668/2	Personal Protection Systems for Electric Vehicles (EV) Supply Circuits – Part 2: Particular Requirements for Protection Devices for use in Charging	Trinational
2239	18.4	N/A	Hardware for the Support of Conduit, Tubing, and Cable	Binational
2251	282	NMX-J-678	Plugs Receptacles, and Couplers for Electric Vehicles	Trinational

UL Standard Number	CSA Standard Number	ANCE Standard Number	Standard Title	Harmonization Type
2420	2420	N/A	Belowground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings	Binational
2459	2459	N/A	Insulated Multi-pole Splicing Wire Connectors	Binational
2515	2515	N/A	Aboveground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings	Binational
2556	2556	556	Wire and Cable Test Methods	Trinational
2594	280	NMX-J-677	Electric Vehicle Supply Equipment	Trinational
4248-1	4248.1	009-4248/1	Fuseholders - Part 1: General Requirements	Trinational
4248-11	4248.11	009/4248/11	Fuseholders - Part 11: Type C (Edison Base) and Type S Plug Fuse	Trinational
4248-12	4248.12	009/4248/12	Fuseholders - Part 12: Class R	Trinational
4248-15	4248.15	009/4248/15	Fuseholders - Part 15: Class T	Trinational
4248-4	4248.4	009-4248/4	Fuseholders - Part 4: Class CC	Trinational
4248-5	4248-5	009-4248/5	Fuseholders - Part 5: Class G	Trinational
4248-6	4248.6	009/4248/6	Fuseholders - Part 6: Class H	Trinational
4248-8	4248.8	009/4248/8	Fuseholders - Part 8: Class J	Trinational
4248-9	4248.9	009/4248/9	Fuseholders - Part 9: Class K	Trinational
60320-1	60320-1	60320-1	Appliance Couplers for Household and Similar General Purposes – Part 1: General Requirements	Trinat-IEC
60335-1	60335-1	521	Household and Similar Electrical Appliances, Part 1: General Requirements	Trinat-IEC
60335-2-24	60335-2-24	521-2-24	Household and Similar Electrical Appliances, Part 2: Particular Requirements for Refrigerating Appliances, Ice-Cream Appliances, and Ice-Makers	Trinat-IEC
60335-2-34	60335-2-34	60335-2-34	Household and Similar Electrical Appliances, Part 2: Particular Requirements for Motor-Compressors	Trinat-IEC
60335-2-40	60335-2-40	60335-2-40	Household and Similar Electrical Appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers	Trinat-IEC
60335-2-89	60335-2-89	60335-2-89	Household and Similar Electrical Appliances – Safety – Part 2-89: Particular requirements for Commercial Refrigerating Appliances with an	Trinat-IEC

UL Standard Number	CSA Standard Number	ANCE Standard Number	Standard Title	Harmonization Type
			Incorporated or Remote Refrigerant Unit or Compressor	
60947-1	60947-1	TBD	Low-Voltage Switchgear and Controlgear - Part 1: General rules	Trinat-IEC
60947-4-1	60947-4-1	290	Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and motor-starters - Electromechanical contactors and motor-starters	Trinat-IEC
60947-4-2	60947-4-2	N/A	Low-Voltage Switchgear and Controlgear - Part 4-2: Contactors and motor-starters – AC Semiconductor Motor Controllers and Starters	Binat-IEC
60947-5-1	60947-5-1	N/A	Low-Voltage Switchgear and Controlgear - Part 5-1: Control Circuit Devices and Switching Elements – Electromechanical Control Circuit Devices	Binat-IEC
60947-5-2	60947-5-2	N/A	Low-Voltage Switchgear and Controlgear - Part 5-2: Control Circuit Devices and Switching Elements – Proximity Switches	Binat-IEC
60947-7-1	60947-7-1		Low-Voltage Switchgear And Controlgear - Part 7-1: Ancillary Equipment - Terminal Blocks for Copper Conductors	Binat-IEC
60947-7-2	60947-7-2	N/A	Low-Voltage Switchgear and Controlgear - Part 7-2: Ancillary Equipment - Protective Conductor Terminal Blocks for Copper Conductors	Binat-IEC
60947-7-3	60947-7-3	N/A	Low-Voltage Switchgear and Controlgear - Part 7-3: Ancillary Equipment - Safety Requirements for Fuse Terminal Blocks	Binat-IEC
62275	18.5	623	Cable management systems - Cable ties for electrical installations	Trinat-IEC