



Consejo de Armonización de Normas Electrotécnicas de las Naciones en las Américas
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 on 21 April 2021

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. With the pandemic having tightened its grip on the region, it was agreed to forgo holding an Annual General Meeting. Instead, CANENA held an online Council meeting with a timely overview of Mexico's Quality Infrastructure Law provided by the Director General of the General Bureau of Technical Regulations and Standards (DGN), General Director Mr. Alfonso Guati Rojo Sánchez and DGN Director of International Standards, Juan Carlos Rivera. The new law replaced Mexico's Federal Metrology and Standardization Law, which governs how the country develops and adopts technical standards and assesses conformity of regulated products with those standards.

CANENA believes the development and harmonization of differing electrotechnical safety standards must occur in private sector-led systems with government and regulators as active and equal partners. CANENA is an umbrella organization, providing a forum in which the work of electrotechnical standards harmonization can be done through a collaborative, transparent, inclusive and consensus process that permits all stakeholders to participate, whether its industry, national, regional or international standard development organization and conformity assessment bodies. Today with almost 100 harmonized standards, it can be said that CANENA is fulfilling its function.

Organizational Update:

CANENA Executive Committee held its end of year meeting on December 1st, 2019. The organization remains financially sound. Year to date expenses are kept remarkably low, around \$30k, attributed to the commitment of its volunteers and in-kind contributions. While not being able to hold a face-to-face Annual General Meeting in 2019 due to the pandemic, CANENA was able to manage raising sufficient income to offset expenses and increased its reserves. It was agreed to not change the membership fees for 2021. While CANENA's membership is by individual, it does offer company and association membership which is intended to enable individual companies and associations with multiple CANENA members to pay annual dues conveniently with only one annual payment.

CANENA Officers for Term March 1, 2021 – February 28, 2023

Mexico's rotation of holding the office of CANENA President concluded following the 2021 CANENA Council meeting. The president position has historically rotated

between United States, Mexico and Canada, with Canada being next in line. Canada's nomination for President is Guy Benjamin (ABB); Vice President is Don Harris (Northern Cable); and Member-at-Large is Sandu Cusmariu (Viscor Leviton). Mexico's nomination for Vice President is Jesús Martín Ricárdez Barberá (CONDUMEX Group); and Member-at-Large is Juan Manuel Maximo (Conductores Monterrey). The United States Officers remains unchanged with the Vice President being Greg Steinman (ABB) ; and its Member-at-Large being Svetlana Ulemek (Alert Innovation).

Web Site Improvements

The submenus associated with the "Standards Development" pages of the CANENA website have been refreshed, providing for greater transparency. The "[Standards List](#)" now includes a link to its associated Technical Harmonization Committee and its Project Tracker providing the status of work. The "[Harmonization Request](#)" submenu was added to track the status of project initiation requests and includes a link to the project harmonization request form. The Secretariat is making use of KAVI Workspace, a software suite specifically designed for standards development, to manage electronic balloting of harmonization requests. The application integrates document management and email communication, keeps meticulous records kept for document revisions and tracks voting, comments and comment resolutions.

CANENA's Operation Committee, chaired by Mark Humphries (CSA), has updated the CANENA Project Tracker and Project Harmonization Request Form, both of which are available on the CANENA website.

Regional Matters

USMCA: Mexico's Metrology Law was replaced by the Quality Infrastructure Law, taking effect July 2020. Initial takeaway is that Mexico has taken definitive steps towards greater compliance with the WTO TBT. Key modifications are:

- DGN – The National Standardization Commission (CNN), which is the coordination body of standardization policy at the national level, is comprised of regulatory agencies seeking to develop NOMs. Under the prior Metrology Law, the President of the CNN rotated between agencies. It is now under the permanent charge of the DGN. The committee meets every 3-months to approves standards as NOMs and the work plans submitted by the National Consulting Standardization Committees (CCNNs). Participating regulatory agencies are required to form a CCNN. The National Standardization Plan is communicated to the public through a new online "Integrated Technology Platform for Quality Infrastructure" (ITP). Deadline for consideration of standardization efforts by the CNN is Nov 30th of each year and June 30th for the supplement.

- The DGN will continue to serve as the CNN Technical Secretariat, i.e., the technical and administrative body of the CNN.
- Any legal entity looking to develop voluntary Mexican Standards (currently NMXs) can be recognized by the DGN as a National Standardization Organization (ONN) in the economic sector in which they are registered by the DGN.
- ONN's scope are no longer limited to a single industry sector, each sector may have multiple ONNs and their work must be coordinated with the DGN.

UL Mexico Status

- UL Mexico is now recognized by the DGN as Mexico's 10th National Standardization Organization (ONN) to develop standards for **fire life safety**. It's a first for the DGN to (1) expand the industry sectors it covers and (2) appoint an outside organization as an ONN.

CANENA 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 2021 General Assembly.

ANNEX 2, PUBLISHED STANDARDS

List of US, Canada and Mexico National Electrotechnical Standards harmonized through CANENA.

UL Standard	CSA Standard	ANCE Standard	UL Standard Title	Harmonization
5A	62.1	N/A	Surface Nonmetallic Raceways	Binational
6	45.1	534	Electrical Rigid Metal Conduit — Steel	Trinational
6A	C22.2 No. 45-2-08	576	Electrical Rigid Metal Conduit — Aluminum, Red Brass	Trinational
20	111	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 Fixture Wire	Trinational
83	75	10	Thermoplastic-Insulated Wires and Cables	Trinational
98	4	162	Enclosed and Dead-Front Switches	Trinational
218	263	626	Fire Pump Controllers	Trinational
224	198.1	N/A	Extruded Insulating Tubing	Binational
248-1	248.1	009/248/1	Low-Voltage Fuses – Part 1: General Requirements I	Trinational
248-10	248.1	009/248/10	Low-Voltage Fuses – Part 10: Class L Fuses	Trinational
248-11	248.11	009/248/11	Low-Voltage Fuses – Part 11:	Trinational

			Plug Fuses	
248-12	248.12	009/248/12	Low-Voltage Fuses – Part 12: Class R Fuses	Trinational
248-13	248.13	009/248/13	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	248.2	009/248/2	Low-Voltage Fuses – Part 2: Class C Fuses	Trinational
248-3	248.3	009/248/3	Low-Voltage Fuses – Part 2: Class C Fuses	Trinational
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	Trinational
248-7	248.7	009/248/7	Low-Voltage Fuses – Part 7: Class H Renewable Fuse	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	Trinational
467	41	590	Grounding and Bonding Equipment	Trinational

486	41	590	Grounding and Bonding Equipment	Binational
486A-486B	65	543	Wire Connectors	Trinational
486C	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	C22.2 No. 5	NMX-J-266	Molded-Case Circuit Breakers, Molded-Case Switches	Trinational
489B	C22.2 No. 305	N/A	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
797	22.2 No. 83.1	NMX-J-536	Electrical 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	Ground-Fault Circuit-Interruption	Trinational
1004-1	C22.2 No. 100	NMX-J-773	Rotating Electrical Machines	Trinational
1008	178.1	NMX-J-672	Transfer Switch Equipment	Trinational
1248	100	NMX-J-733	Rotating Electrical Machines	Trinational
1426	341	N/A	Electrical Cables for Boats	Binational
1441	198.3	N/A	Coated Electrical Sleeving	Binational
1449	269.1-5	NMX-J68-1.1; NMX-J68-1.2	Standard for Surge Protective Devices	Trinational
1472	184.1	N/A	Solid-State Dimming Controls	Binational
1558	31-38	N/A	Metal-Enclosed Low-Voltage Power Circuit Breaker Switchgear	Trinational
1565	18.5	N/A	Positioning Devices	Binational
1569	2556	726	Metal-Clad Cables	Trinational
1598	250.0	307/1	Luminaires	Trinational
1653	C22.2 No. 227.1	NMX-J-851-ANCE	Electrical Nonmetallic Tubing	Trinational
1660	227.2	NMX-J-764-ANCE	Liquid-Tight Flexible Nonmetallic Conduit	Binational
1682	182.1	719	Standard for Plugs, Receptacles, and Cable Connectors, of the Pin and Sleeve Type	Trinational
1691	1691	N/A	Single Conductor Pin and Sleeve Devices Intended for Theater, Stage, and Studio Applications	Binational
1696	227.3	NMX-J-855-ANCE	Nonmetallic Mechanical Protection Tubing	Trinational
1786	256	N/A	Direct Plug-In Nightlights	Binational

1976	TBD	N/A	Crimp Tools	Binational
1993	1993	578	Self-Ballasted Lamps Adapters	Trinational
1995	236	N/A	Heating And Cooling Equipment	Binational
2158	112-15	N/A	Electric Clothes Dryer	Binational
2251	282	NMX-J-678	Standard Testing for Charging Inlets and Plugs	Trinational
2231-1	281.1	NMX-J-668/1	Personal Protection Systems for Electrical Vehicles (EV) Supply Circuits – Part 1: General Requirements for Protection Devices for use in Charging	Trinational
2231-2	281.2	NMX-J-668/2	Personal Protection Systems for Electrical Vehicles (EV) Supply Circuits – Part 2: Particular Requirements for Protection Devices for use in Charging	Binational
2239	18.4	N/A	Hardware for the Support of Conduit, Tubing, and Cable	Binational
2420	2420	N/A	Below ground Reinforced Thermosetting Resin Conduit (RTRC) and Fittings	Binational
2459	2459	N/A	Insulated Multi-pole Splicing Wire Connectors	Binational
2515	2515	N/A	Above ground 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 Typ	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
4703	271	733	Photovoltaic Wire and Cable	Trinational
60320-1	60320-1	60320-1	Appliance Couplers for Household and Similar General Purposes – Part 1: General Requirements	Trinational-IEC
60335-1	60335-1	521	Household and Similar Electrical Appliances, Part 1: General Requirements	Trinational-IEC
60335-2-34	60335-2-34	60335-2-34	Household and Similar Electrical Appliances, Part 2-34: Particular Requirements for Motor-Compressors	Trinational-IEC
60335-2-40	60335-2-40	60335-2-40	Household and Similar Electrical Appliances, Part 2-40: Particular Requirements for Electrical Heat Pumps	Trinational-IEC
60335-2-89	60335-2-89	60335-2-89	Household and Similar Electrical Appliances, Part 2-89: Particular Requirements for Commercial Refrigerating Appliances with an Incorporated or Remote Refrigerant Unit or Compressor	Trinational-IEC
60947-1	60947-1-07	TBD	Low-Voltage Switchgear and Controlgear – Part 1: General Rules	Trinational-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	Trinational-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	Binational-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	Binational-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	Binational-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	Binational-IEC
62275	18.5	623	Cable management systems – Cable ties for electrical installations	Trinational-IEC