Agenda

- How Conformity Assessment Bodies Assist Government with Regulatory Enforcement
- Designing a Third-Party Conformity Assessment Program
- Canadian Electrical Safety System
How Conformity Assessment Bodies Assist Government with Regulatory Enforcement

- Design and operate ongoing conformity assessment programs

- In Canada, a number of Regulations require third-party conformity assessment from Standards Council of Canada accredited Conformity Assessment Bodies

- Typically these Regulations do not specify the type of conformity assessment scheme
How Conformity Assessment Bodies Assist Government with Regulatory Enforcement

Product Labeling - to readily indicate products that comply with Standards and Regulations

- Canadian Certification Mark indicates product complies with Canadian requirements

- USA Certification Mark indicates product complies with USA requirements

- Combination Mark indicates product complies with both Canadian and USA requirements
How Conformity Assessment Bodies Assist Government with Regulatory Enforcement

- Provide online directories of Certified products, which inform the public and Regulators of models that comply with Standards and Regulations
- Directories include description of products, model numbers, applicable standards and special instructions to Authorities Having Jurisdiction (AHJ)
How Conformity Assessment Bodies Assist Government with Regulatory Enforcement

- Conduct market surveillance testing
How Conformity Assessment Bodies Assist Government with Regulatory Enforcement

- Draft and publish Other Recognized Documents (ORDs) to address new products or new features to existing products not outlined in current Standards

- In 2009, CSA had published an ORD that addressed an issue with the test procedures for bottom mount refrigerator/freezers with a through-the-door icemaker in the fresh food compartment

- Both the Canadian Standard and US Code of Federal Regulations did not have adequate test procedures at the time

- Our ORD was incorporated into CSA Standard and US Code of Federal Regulations
How Conformity Assessment Bodies Assist Government with Regulatory Enforcement

- Conduct custom testing to address safety concerns with new products or new features in existing products
Designing a Third-Party Conformity Assessment Program

Timely and cost effective to satisfy industry needs

Enough rigor to instill confidence with Regulators and the public
Designing a Third-Party Conformity Assessment Program

- One size does not fit all when designing a Conformity Assessment Program

- Program requirements depend on:
  - acceptable levels of risk,
  - complexity of products,
  - complexity of Standards,
  - specific Regulatory requirements
Designing a Third-Party Conformity Assessment Program

Conformity Assessment Program examples:

- **Model Certification** – Testing and construction review conducted internally by CSA engineers

- **Witness Testing** – All testing witnessed at manufacturers qualified test facility by CSA engineers

- **Supervised Manufacturers Testing for Certification (SMTC)** – Testing and construction review conducted at manufacturers qualified test facility by manufacture with final review of test results and construction review conducted by CSA engineers
Designing a Third-Party Conformity Assessment Program

- **Acceptance of Third-Party Test Reports** - from other accredited test labs and/or certification bodies

- **Factory Inspections** – unannounced factory visits conducted by CSA Inspectors

- **Field Evaluations** – small batches of products are inspected in the field and labeled by CSA Engineers

- **Ongoing Conformity Testing** – CSA Factory Inspectors tag and have certain components shipped to CSA for ongoing testing
Key Components

Canadian Electrical Safety System

Electrical Standards

SAFETY

Certification

Regulation
Canada Electrical Safety System

Jurisdiction

• Each Provincial and Territorial government is responsible for electrical safety and enforcement within its own borders.

• Only 13 jurisdictions in Canada
Canadian Electrical Safety System

CE Code Adopted as Regulation by all Provinces and Territories

Regulation
Canadian Electrical Safety System

Electrical Standards

CE Code, Part I Mandates “Approved” equipment

CE Code, Part I Installation Code

Electrical product safety standards
Thank You