CSA Group and Certification Marks

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CSA Group

• Independent, not-for-profit, membership association in business since 1919, dedicated to advancing safety, sustainability and social good.

• One of the largest Standards Development Organizations in North America.

• Over 15,000 companies use our services to demonstrate compliance.

• Over 1 billion products bear the CSA mark worldwide.

3,000 Standards and Codes

7,800 expert Committee Members

1,600 highly dedicated staff

40% of standards are referenced in government regulation
CSA Group in the U.S.

- U.S. Headquarters: Cleveland, OH
- U.S. Laboratories: Irvine, CA; Atlanta, GA; Dallas, TX;

History
- **1918**: American Gas Association (AGA) was formed.
- **1925-1930**: Laboratories and research facilities established in Ohio & California
- **1993**: AGA sold laboratories & research facilities and International Approval Services (IAS) was formed with Canadian Gas Association (CGA) to manage standards development and certification & testing of gas appliances.
- **1997**: Canadian Standards Association (CSA) acquired IAS and the certification & testing business became CSA International.
- **2000**: U.S. laboratories expanded to include testing of electric and plumbing products.
- **2004**: Consumer Product Evaluation (CPE), previously OnSpeX, was formed.
- **2011**: “One CSA” – expanded certification and testing services under name of CSA Group.
CSA Group tests and certifies products including electrical, plumbing, gas, lighting, and personal safety equipment, as well as a variety of other products.
CSA Group Tests & Certifies a Wide Range of Products

- **Electric & Gas Appliances**: refrigerators, stoves, clothes dryers, air conditioners, ventilation systems, furnaces, water heaters, ovens
- **Outdoor Gas**: gas grills, fireplaces, outdoor heaters, gas lamps
- **Lighting**: indoor & outdoor fixtures, LED drivers & fixtures, signs
- **Plumbing**: sinks, faucets, toilets, tubs, shower controls, pool & spa, ABS/PVC pipe, plumbing connectors, valves
- **Electrical Supplies**: wire, cable, electrical connectors, fuse boxes
- **IT & Consumer Equipment**: computers, power supplies, digital media, telecommunications, audio video, multimedia
- **Power & Industrial Equipment**: control panels, switchgear, motor controls, power conversion, power tools
- **Medical & Laboratory Equipment**: CT scanning, defibrillators, incubators, electrocardiographs, monitoring, centrifuges, measurement equipment
- **Safety Equipment**: safety glasses, safety shoes, hockey helmets, ski helmets, bike helmets
• CSA Group tests and certifies products used in **explosive atmospheres** and **hazardous locations**, such as oil & gas, mining, etc.

• Wide range of products and equipment – process control, signal & communication, industrial, installation hardware and much more.

• Explosive atmospheres laboratory in Cleveland recent expansion completed.
Standards Development

- CSA Group has a division that is a Standards Development Organization (SDO).
- Facilitates the development of consensus standards that outline how a product needs to be manufactured to meet:
  - minimum safety requirements for the user.
  - minimum performance requirements.
  - interchangeability so that it can fit into another product or be replaced if necessary.
- Consensus means that all stakeholder groups are represented during development of the standard including manufacturers, regulators, consumers, trade associations, utilities, etc.
- Standards do not determine which product works the best or lasts the longest.
- CSA Group has 3,000+ standards in 54 different product areas.
Consumer Product Evaluation

- **Consumer Product Evaluation (CPE)** is a division of CSA Group that evaluates product performance.
- **Retailers and Manufacturers** select products, and our laboratory conducts benchmark and comparative testing.
- **CPE** develops and utilizes test protocols to differentiate product performance and facilitate buying decisions.
- **CPE** specializes in hardlines products, such as shovels & garden tools, screwdrivers & hand tools, lawn mowers & outdoor power equipment.
CSA – Irvine

• Fuel Burning Products
  – Commercial & Residential Cooking Appliances
  – Heating and Hearth Products
  – Water Heaters and Boilers
  – Accessories & Controls

• Electrical Products
  – Electro-Medical Equipment
  – Information Technology Equipment
  – Laboratory, Measurement & Process Control Equipment
  – Power Supplies, Transformers, UPS, Electric Vehicle Chargers
  – Lighting Products
  – Electric Appliances, Pool & Spa Equipment
  – Energy Star

• Field Evaluation Services
  – Electrical & Fuel Burning products, Hazardous Locations, Gas Effects, and Sanitation (NSF) for food preparation equipment
CSA Marks, Programs and Recognition
CSA Group’s certification marks are recognized throughout the world on many common household items, as well as commercial equipment.
Certification Marks – Gas Appliances

- The **CSA Star (U.S.)** and the **CSA Flame (Canada)** indicate the product is certified to applicable standards for appliances using natural gas or other petroleum fuels.
- If a gas product has electrical features, the mark also indicates compliance to the applicable electrical standard(s).
• The **CSA Group Sustainability Mark** indicates the product has met the environmental performance requirements for product specific sustainability standards.

• This mark is separate from certification and does not imply compliance with safety standards.

• 5 key sustainability areas – energy, materials, end-of-life, performance and manufacturing.

• Standards developed by **CSA Group, Association of Home Appliance Manufacturers (AHAM), and UL Environment**.

• Currently refrigerators, freezers and floor care – more to come.
CSA Group – North American Recognitions

- Occupational Safety and Health Administration (OSHA) - Nationally Recognized Testing Laboratory (NRTL)
- American National Standards Institute (ANSI)
- Regulatory Organizations - recognized and/or accredited by various organizations such as FCC, IAS, IECEE, ICBO, IAPMO, NIST/NVLAP, and AMECA
- Standards Council of Canada (SCC)
- Environmental Protection Agency (EPA) - 3rd Party Qualification & Verification
In addition to OSHA, other bodies recognize and accredit laboratories as qualified to test electrical, gas, and other classes of products for the U.S. market.

These include:

- American National Standards Institute (ANSI)
- International Accreditation Service (IAS)
- International Code Council (ICC)
- National Voluntary Laboratory Accreditation Program (NVLAP)
- American Society of Safety Engineers (ASSE)
Certification and Field Certification

• **Certified** means that a product has been tested and certified to a standard, is listed in the NRTL’s registry of certified products and bears the NRTL’s mark. It also means that manufacturers can produce *multiple numbers* of the certified product for use in any location.

![Certification Marks]

• **Field or Batch Certified** is a ‘one-time’ certification of a product for a specific number of units and is not meant to be an alternative to regular certification. This service can be used where a certified product has been shipped without the CSA mark or has been field modified and needs to be labeled.
Field Evaluation Program

- CSA Group offers a labeling program for products that are unique or produced in limited quantities.
- Products evaluated are eligible to display an applicable **CSA Field Evaluation Label**.
- The label indicates that the product was tested and has met all requirements, including the **National Fire Protection Association (NFPA)** and the **National Electric Code (NEC)**, for installation and use.
- Field Evaluation is a safety evaluation, **NOT** a certification program.
Field Evaluation Program

• Products are evaluated to **nationally recognized standards** with site specific variances accepted by AHJs.

• This program helps AHJs in identifying products that meet accepted safety criteria.

• This is what the AHJ is looking for to comply with code that states “Listed or Labeled”.

• CSA Group provides field evaluations to **both U.S. and Canadian** standards.
CSA provides third-party verification services for Environmental Protection Agency (EPA) programs:

- **ENERGY STAR®** - verifies compliance with EPA energy efficiency specifications for appliances, water heaters, commercial food service equipment, lighting, HVAC, consumer electronics, IT equipment, etc.

- **WaterSense®** - verifies compliance with EPA specifications for water-efficient products including kitchen and lavatory faucets, shower heads and water closets.
Global Mark Integrity and Brand Protection

CSA Group’s Global Mark Integrity Team:

- Investigates incidents involving CSA certified products.
- Issues product recalls and safety notices in cooperation with manufacturers.

![Product Alerts & Recalls]

Product Alert Recall

Our Global Mark Integrity Team (GMIT) investigates incidents involving CSA Group certified products, issues Safety Alerts and Product Recalls in cooperation with manufacturers, law enforcement and regulatory authorities and supports the standards development process.

Quick Links:
- Certification Marks
- Logo
- Certified Product
- CSA Communities
- Request a Quote
Global Mark Integrity and Brand Protection

- Works with AHJs, law enforcement and U.S. Customs to combat unauthorized use of the CSA certification marks.

Counterfeit certification marks deceive buyers into purchasing untested products that could cause serious injury, illness or death.
Nationally Recognized Testing Laboratories (NRTLs)
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- **Nationally Recognized Test Laboratories (NRTLs)** are independent, third-party organizations accredited and recognized by various government or national organizations to provide testing to national standards.

- Examples of organizations that accredit and recognize NRTLs are **OSHA**, **ANSI** and **SCC**.

- The NRTL Program operated by **OSHA** seeks to ensure products are safe for use in the U.S. workplace.

- OSHA’s recognition of a NRTL is an acknowledgement of the organization’s ability to perform product safety and testing within scope.

Nationally Recognized Testing Laboratories

- NRTLs are contracted by manufacturers to test products and certify that they meet the applicable standards.
- Once a product is certified, the manufacturer is licensed to use the appropriate certification mark on the product.
- The product is then publicly listed by the laboratory.
- Examples:
CSA Certified Product Listings

Certified Product Listing
Every product that bears a CSA mark is listed in the CSA Group Certified Product Listing (CPL). You can determine if a product has been certified by CSA Group by searching below.

You can search the CPL by:
- Product type (using the keyword function)
- Industry
- Manufacturer name or location
- Certification record information (file number, class number or class description)

The CPL is updated daily as products are certified by CSA Group.

Search for Certified Product Listings

Keyword: Enter Keyword...

Search Industry: Select an Industry...
Nationally Recognized Testing Laboratories

- Any NRTL can be accredited to test products against the same sets of standards, regardless of who published them.
- The certification mark of the NRTL that tested it will appear on the product, not the mark of the organization that wrote the standard.
- If a standard is referenced in code, it does not mean that the organization who wrote the standard has to test and certify the product.
- No code should ever state that a product has to be “listed by CSA” or “listed by UL”. It should state “listed by an accredited third-party testing & certification agency” and not name a specific organization.
Nationally Recognized Testing Laboratories

• All NRTLs conduct an initial evaluation of the factory where the product is manufactured to determine quality procedures and good manufacturing practices are followed.

• These inspections ensure that in the event of a quality or safety problem, the manufacturer has processes in place to issue a product recall.

• NRTLs conduct periodic follow-up inspections to ensure certified products remain in compliance with applicable standards.
Nationally Recognized Testing Laboratories

• Because multiple NRTLs are accredited or recognized to test and certify various types of products, manufacturers have the freedom and flexibility to select an accredited or recognized NRTL for a certification project.

• Since different NRTLs test and evaluate similar products against the same standards, retail buyers can select products based on brand, price, and quality rather than who did the testing evaluation.
Key Messages
In Conclusion

CSA Group:

- tests and certifies products for use in the U.S. as well as Canada and other parts of the world.
- is an OSHA recognized NRTL and has laboratories, inspectors and field evaluators across the U.S.
- has been in existence for 90+ years.
- started as an SDO in Canada and is now a global SDO, certification and testing agency.
- tests and certifies products to standards other than its own, i.e. ANSI, ASTM, IAPMO, IEC, NSF, UL, etc.
- tests and certifies products in many different product areas.
In Conclusion

• focuses on the **integrity** of its marks and the **prevention of counterfeiting**.

• has long-standing relationships with **International Code Council (ICC), International Association of Electrical Inspectors (IAEI), International Electrotechnical Commission (IEC)**, and many other industry and trade associations.

• has **Mark Awareness** staff based at its U.S. headquarters in **Cleveland, OH** and are available to help with mark related issues.

• **Mark Awareness** has a dedicated e-mail address and 1-888 number:

  regulator.relations@csagroup.org

  1-888-242-9235