



Oil and Gas Standards Overview

TU-G4

March 25, 2025

Jeff Prusko, Sr. Project Manager

27th California Unified Program
Annual Training Conference
March 24-27, 2025



Summary of topics for today's discussion

1. UL Enterprise Structure Overview
2. Standard Development Process, Technical Committee (TC) Structure and Roles
3. How to get Involved in Standards Development
4. Published documents and TC list



Intro to Standards Development

Prepared for 2025 Emergency Power/Fire Pump
Design Reliability Symposium

Jeff Prusko, Sr. Project Manager
UL Standards & Engagement



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Three Distinct Organizations with One Common Mission: To Create a Safer World

UL Research Institutes (NFP)

Focus on rigorous independent research into ongoing and emerging human safety risks. As threats evolve and their consequences become more severe, UL Research Institutes pursues scientific discovery to advance public safety – marshalling resources to scan for, assess and address emerging human safety risks in areas such as autonomous systems and artificial intelligence.

UL Standards & Engagement (NFP)

A critical facilitator of standards-related public-private partnerships around the world. UL Standards & Engagement translates data and research into actionable safety standards and drive safety advocacy campaigns focussed on improving public safety.

UL Solutions

Partnering with customers and stakeholders around the world to help solve safety, security and sustainability challenges. A global safety science leader, UL Solutions delivers testing, inspection and certification services, together with software products and advisory offerings, that support our customers' product innovation and business growth.

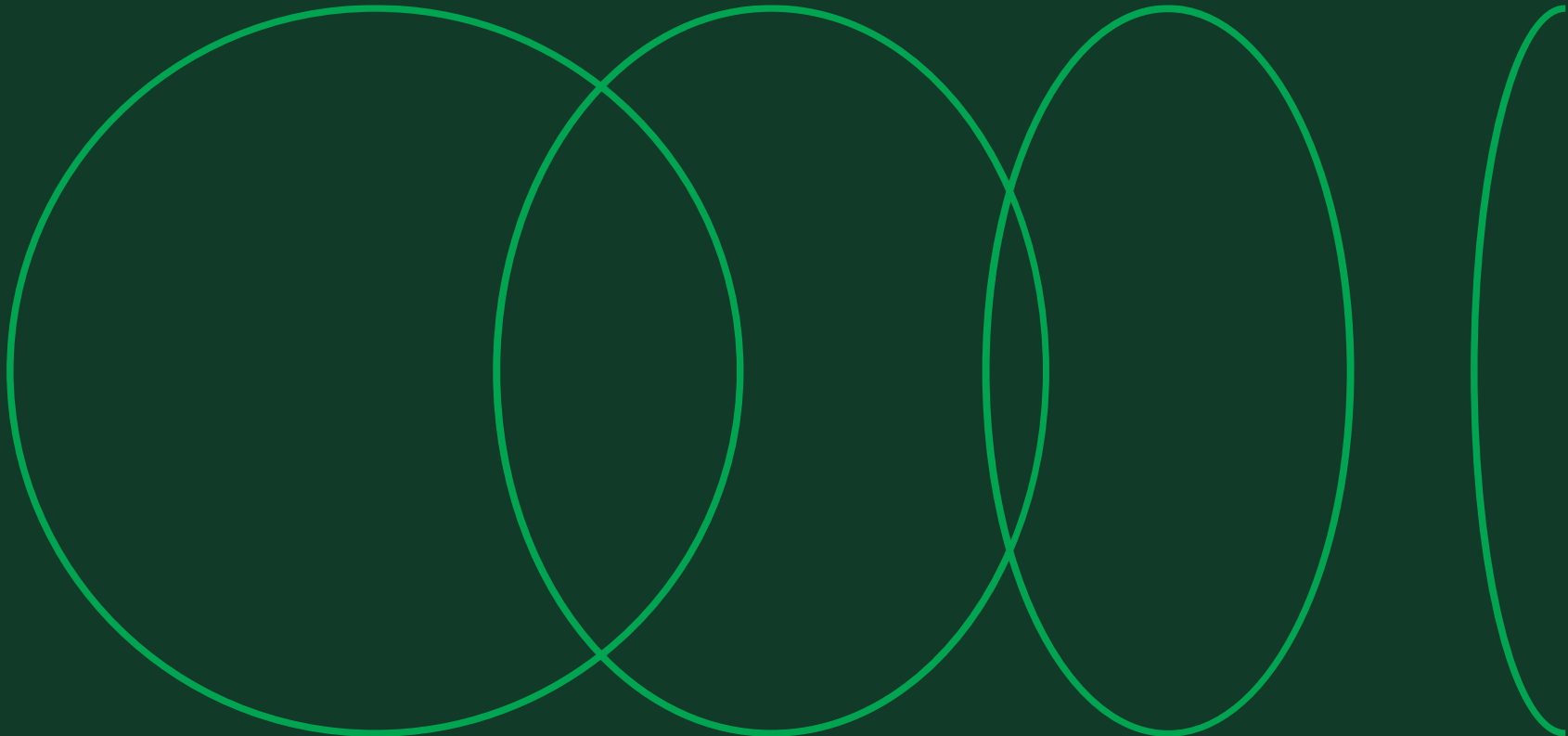


The UL Standards & Engagement / ULC Standards Oil and Gas Team

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Standards Development Process



What is a standard?

- A standard is a document established by consensus that provides rules, guidelines or characteristics for products, services and systems.
- Standards establish accepted practices, technical requirements, and terminologies for diverse fields.
- They can be **mandatory** or **voluntary** and are distinct from Acts, regulations and codes, although standards can be referenced in those legal instruments.
- A standard is **mandatory** when it is enforced by laws or regulations, often for health or safety reasons.

There are many types of standards:

- Performance standards
- Prescriptive standards
- Design standards
- Management system standards
- Service standards



The **American National Standards Institute (ANSI)** accredits standards development organizations (SDOs) and coordinates the United States' input into international standardization work with the International Organization of Standardization (ISO) and the International Electrotechnical Commission (IEC).



The **Standards Council of Canada (SCC)** accredits SDOs and coordinates Canada's input in international standardization work with ISO and IEC.

Due Process of Consensus-Based Standards

The following constitute the minimum acceptable due process requirements for the development of consensus-based standards:

- Openness
- Lack of dominance
- Balance of interests
- Coordination and harmonization
- Notification of standards development
- Consideration of views and objections
- Consensus vote
- Appeals
- Written procedures



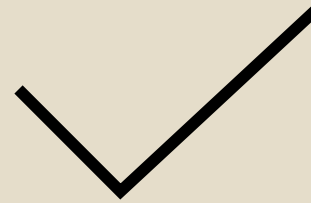
Phases of the Standards Development Process



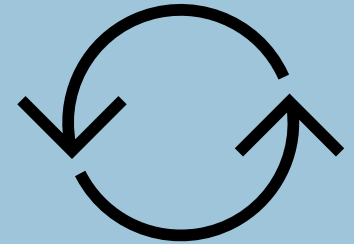
**Proposal
Submission**



**Preliminary
Review**

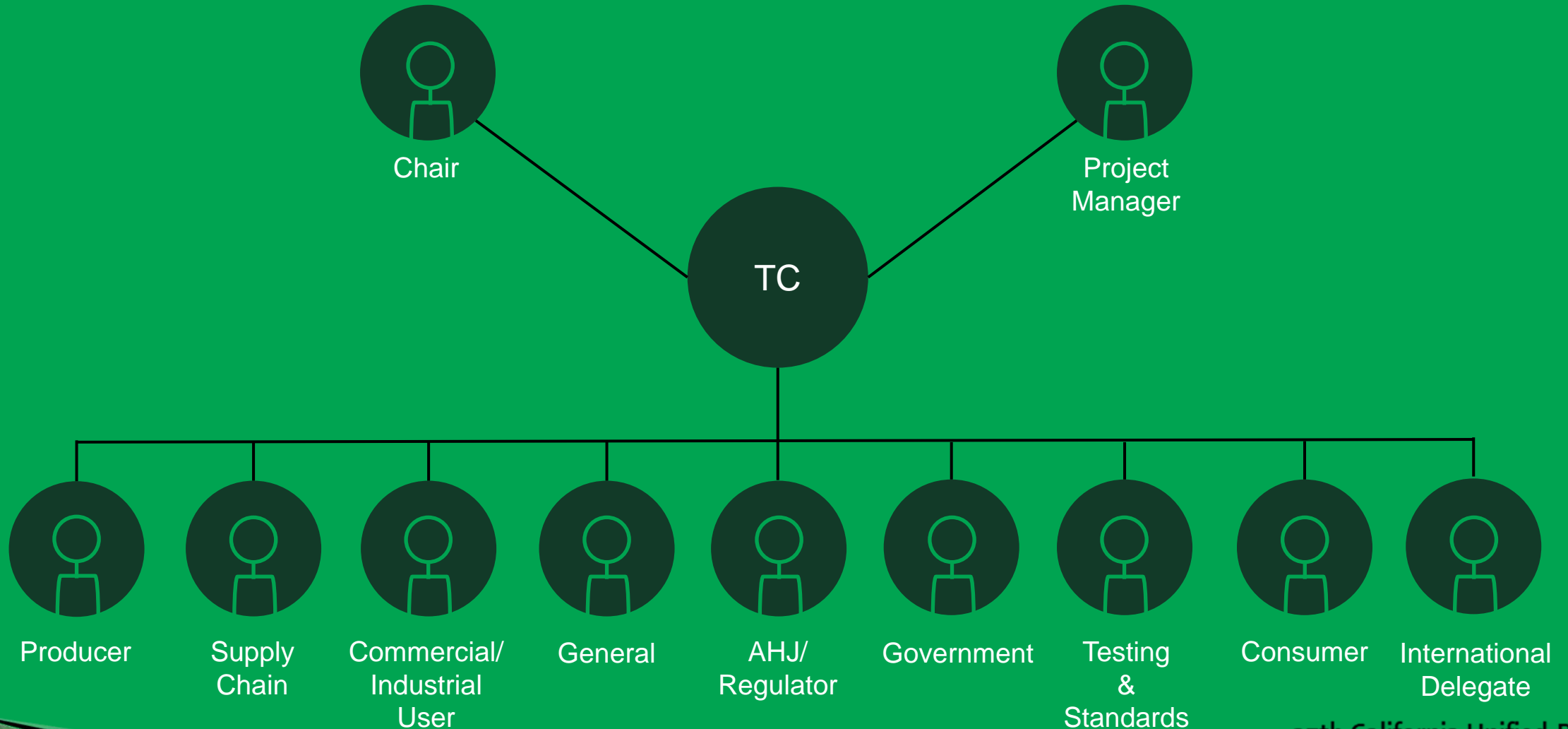


Proposal Ballot



Recirculation

Technical Committee Structure (TC)



Technical Committee (TC) Roles

Chair

Provides leadership to the Technical Committee (TC).

Ensures the process is conducted in an efficient and timely manner and all members have the opportunity to participate.

Works with committee members to identify needs, methods and priorities for maintenance of the standards overseen by that committee.

Works with the project manager to review all new revision proposals for completeness, relevance, and any policy conflicts.

Project Manager

Supports TC Chair by performing specific tasks related to Chair responsibilities. Maintains voting record and relevant documentation throughout the process.

Ensures the committee functions in compliance with ANSI/SCC regulations.

Prepare and issue proposal documents for voting and commenting in accordance with UL Standards & Engagement guidelines.

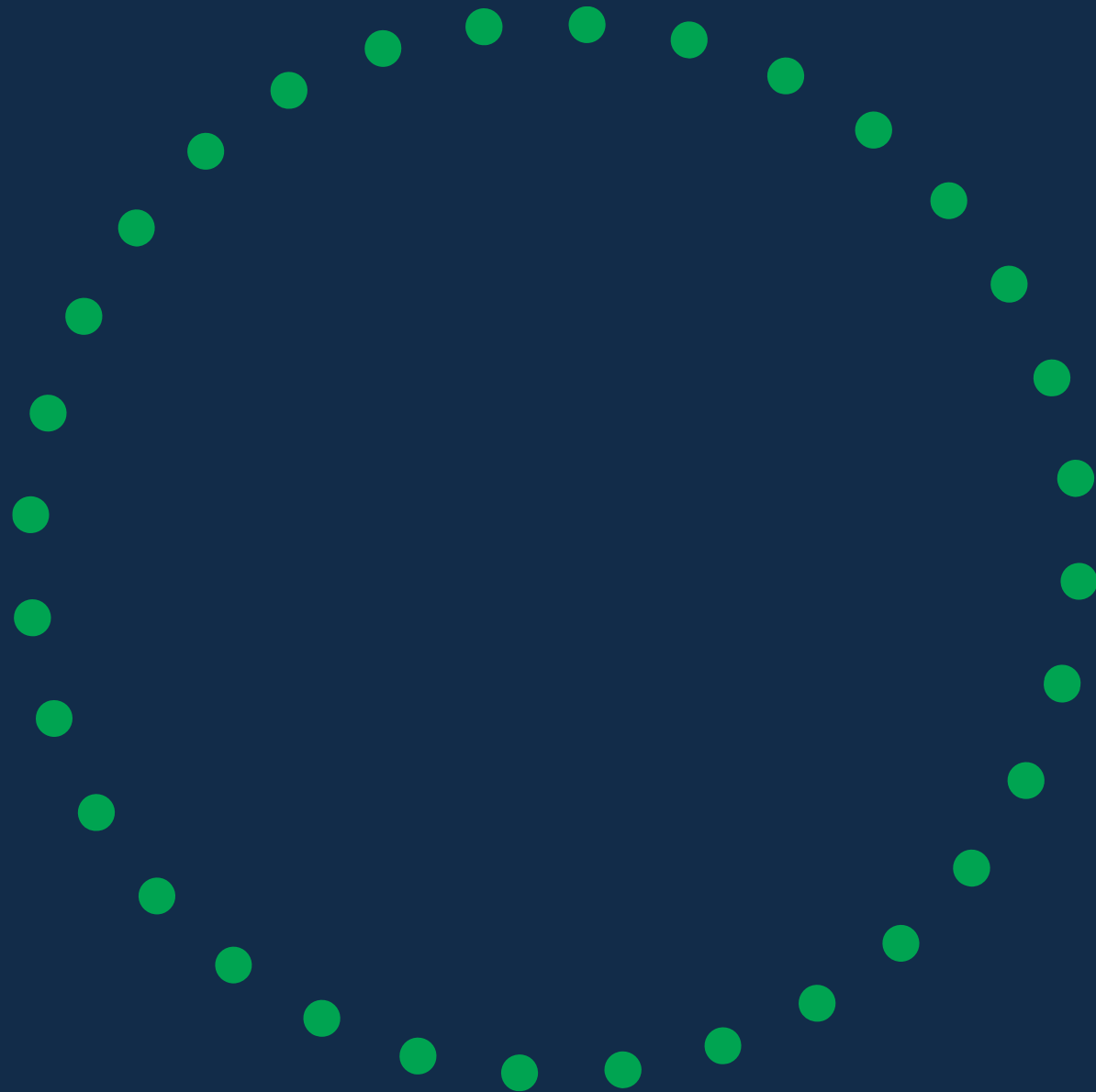
Coordinate committee applications and maintain the committee membership rosters.

TC Members

Vote, provide comments, provide inputs to comment resolutions, help develop proposals to the standard.

Comply with [UL TC Member Code of Ethics](#)

Getting Involved in the Standards Development Process



How to Access Standards Content

- Standards can be viewed online for free via the Digital View feature on our [UL Standards & Publications Site](#). Simply create a free account to get started. ISO and IEC adoptions are not available for digital view due to their copyright.
- Members of our Technical Committees get access to the standards associated with their committees via the Committee Library in our Collaborative Standards Development System (CSDS).
- Fuel tool:

<https://www.ul.com/resources/apps/ul-solutions-fuel-compatibility-tool>

- Educational YouTube tutorials on accessing UL Standards documents that may be helpful for participants:
 - ✓ [Accessing UL Standards Documents: Free Digital View](#)
 - ✓ [Accessing UL Standards Documents: CSDS Committee Library](#)

Get Involved in the Standards Development Process

Submit proposals via CSDS for revising standards:

- <https://csds.ul.com/>

Attend Committee Meetings either as a Member, Follower or Guest:

- <https://csds.ul.com/TechnicalCommittee/Meetings>

“Call for Members” indicates which Committees are seeking members:

- <https://csds.ul.com/TechnicalCommittee/Charts>

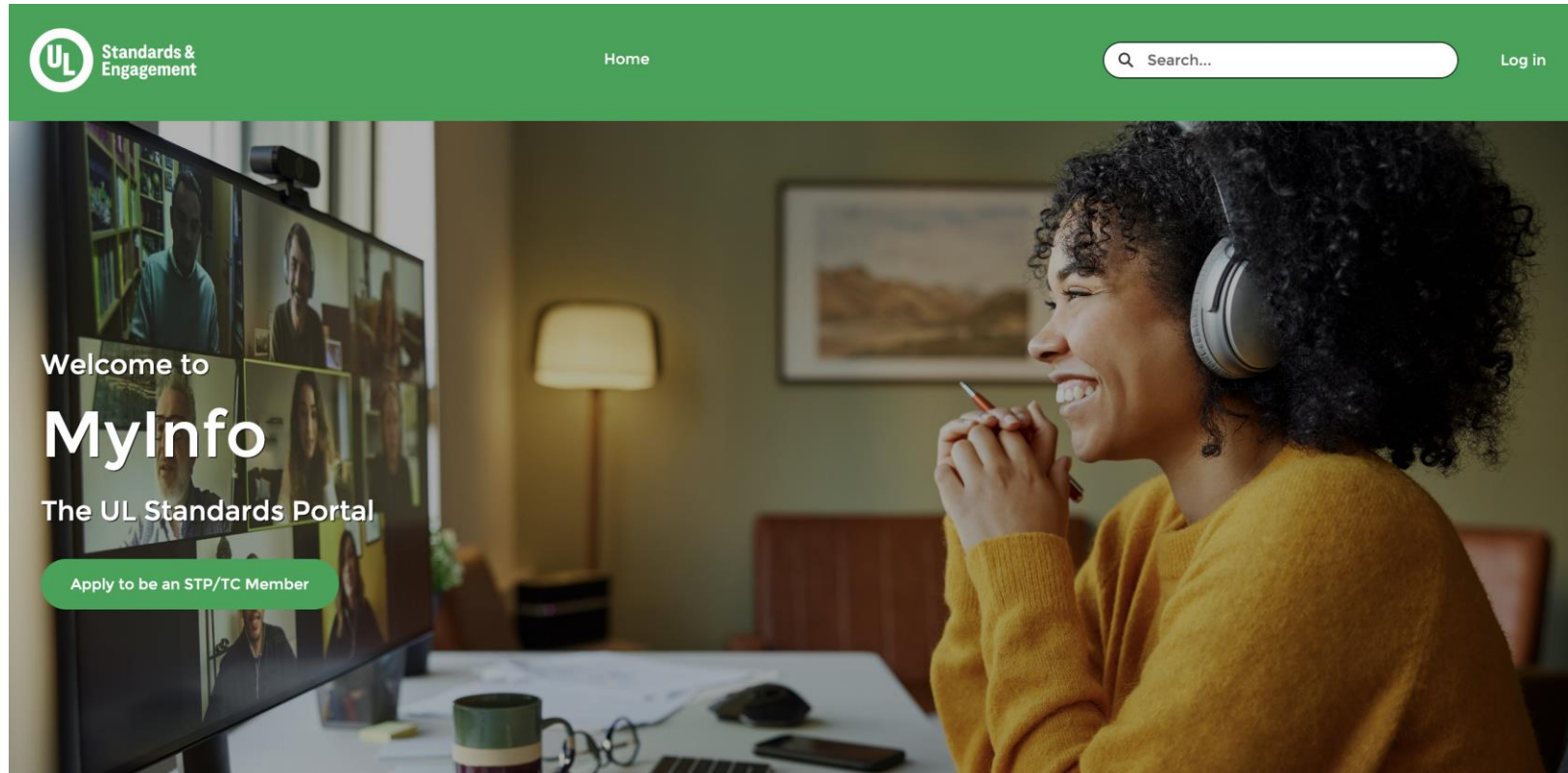
Additional information/guides on Technical Committee Participation:

- <https://ulstandards.ul.com/develop-standards/>
- <https://ulse.org/learn>
- <https://www.youtube.com/@ULStandards-Channel>

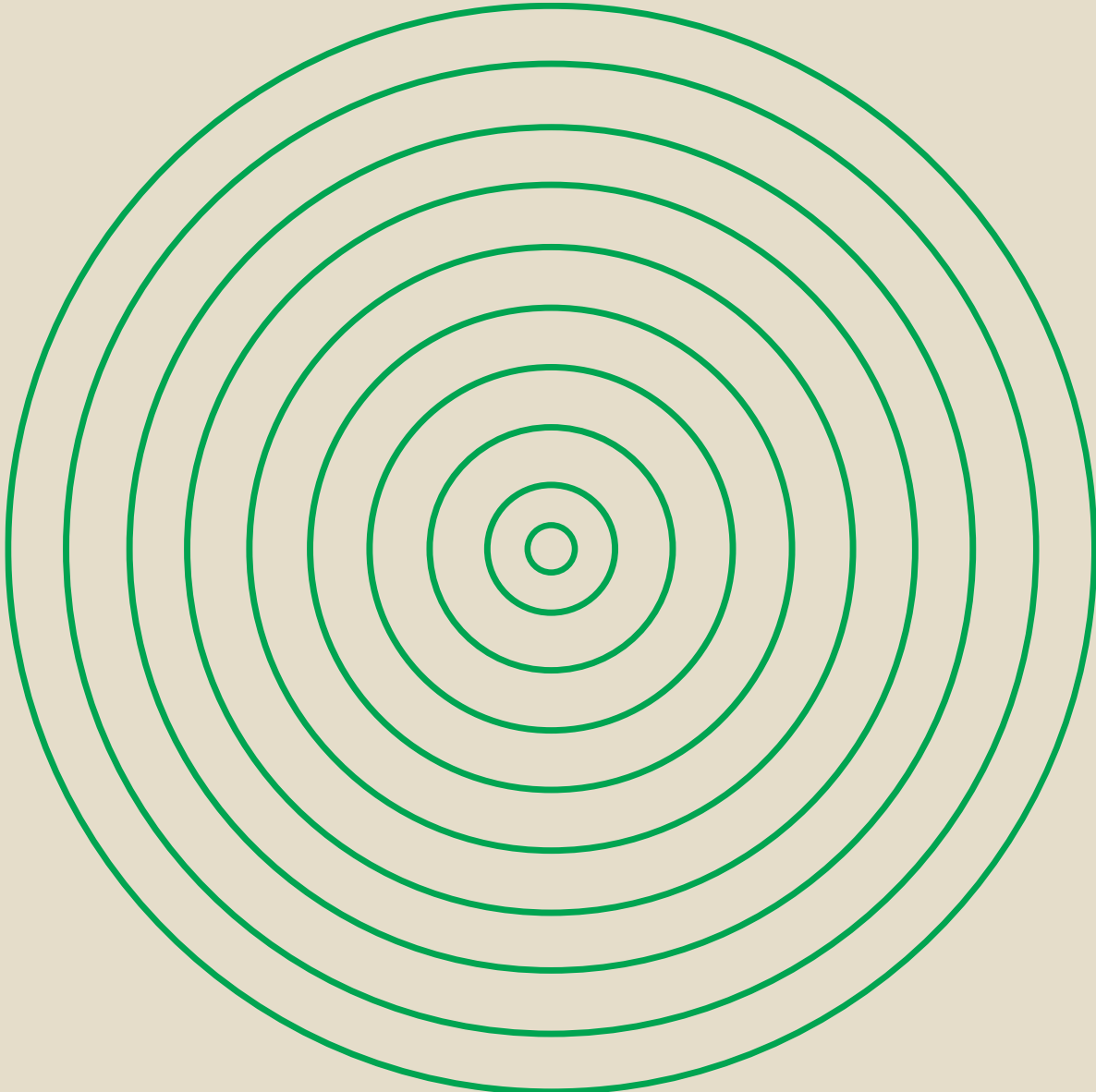


Get Involved in the Standards Development Process (continued)

1. Follow Standards of Interest:
 - <https://ulstandards.ul.com/wp-content/uploads/2023/03/following-standards-csds2.pdf>
2. Join a Technical Committee (online application):
 - <https://underwriterslaboratories.force.com/MyInfo/s/login/SelfRegister>



Publications



Published Documents, Joint US-Canada Standards

- The following Joint Standards were published on May 31, 2024:
 1. **ANSI/CAN/UL/ULC 25A**, Standard for Meters for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 -E85)
 2. **ANSI/CAN/UL/ULC 25B**, Standard for Meters for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil
 3. **ANSI/CAN/UL/ULC 79**, Standard for Power-Operated Pumps for Petroleum Dispensing Products
 4. **ANSI/CAN/UL/ULC 79A**, Standard for Power-Operated Pumps for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)
 5. **ANSI/CAN/UL/ULC 79B**, Standard for Power-Operated Pumps for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil
 6. **ANSI/CAN/UL 87A**, Standard for Power-Operated Dispensing Devices for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)
 7. **ANSI/CAN/UL 87B**, Standard for Power-Operated Dispensing Devices for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil

Published Documents, Joint US-Canada Standards

- The following Joint US-Canada Standards were published on May 31, 2024:
 8. **ANSI/CAN/UL 330A**, Standard for Hose and Hose Assemblies for Use With Dispensing Devices Dispensing Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 -E85)
 9. **ANSI/CAN/UL 330B**, Standard for Hose and Hose Assemblies for Use With Dispensing Devices Dispensing Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil
 10. **ANSI/CAN/UL 331A**, Standard for Strainers for Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 -E85)
 11. **ANSI/CAN/UL 331B**, Standard for Strainers for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil
 12. **ANSI/CAN/UL/ULC 567A**, Standard for Emergency Breakaway Fittings, Swivel Connectors and Pipe-Connection Fittings for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)
 13. **ANSI/CAN/UL/ULC 567B**, Standard for Emergency Breakaway Fittings, Swivel Connectors and Pipe-Connection Fittings for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil
 14. **ANSI/CAN/UL/ULC 842A**, Standard for Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)
 15. **ANSI/CAN/UL/ULC 842B**, Standard for Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil

Published Documents, Joint US-Canada Standards

- The following Joint US-Canada Standards were published on May 31, 2024:
 16. **ANSI/CAN/UL/ULC 2586A**, Standard for Hose Nozzle Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 -E85)
 17. **ANSI/CAN/UL/ULC 2586B**, Standard for Hose Nozzle Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil

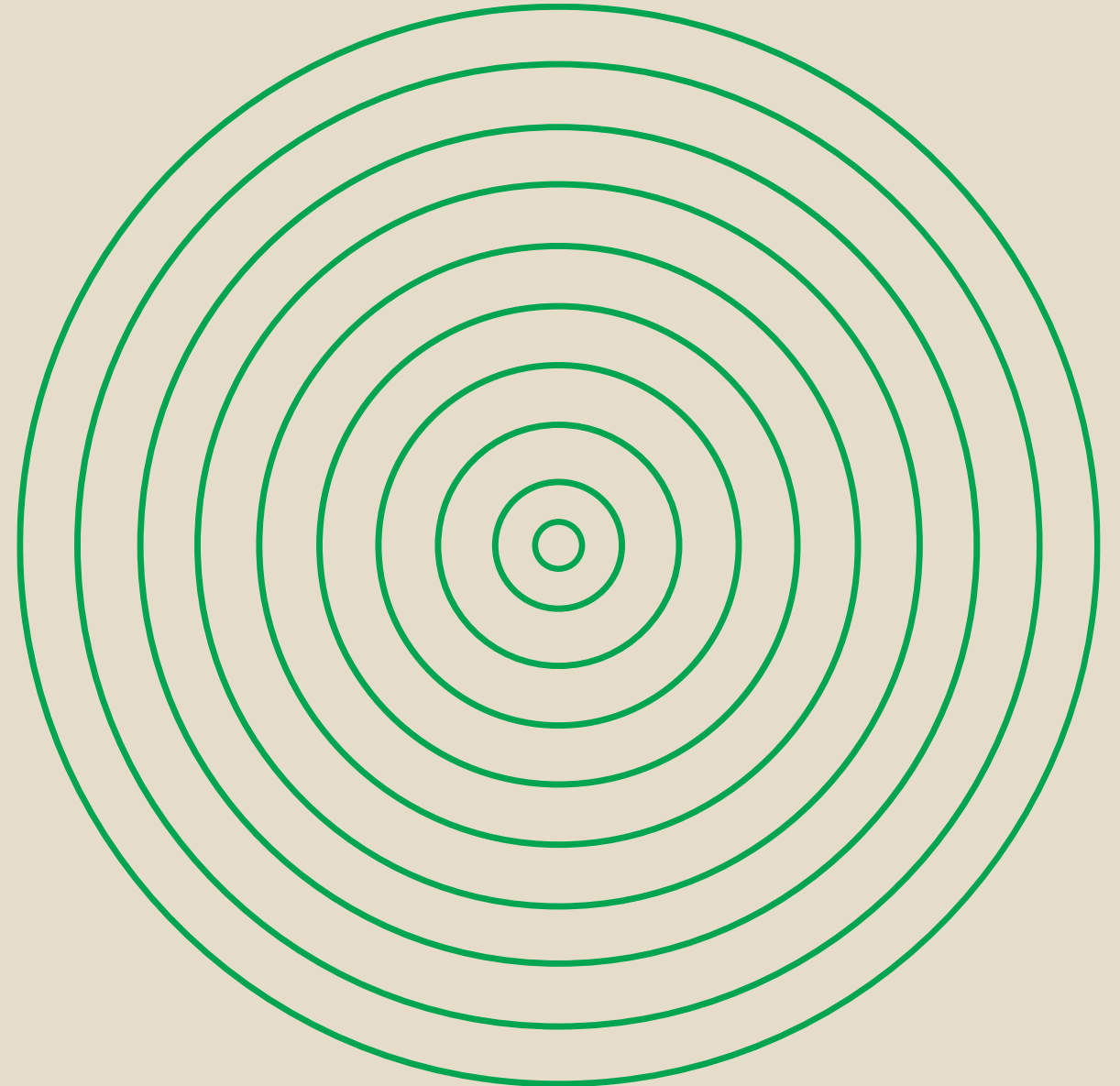
Published Documents, US/Canada Standard Revisions

- Standards revisions published:
 1. **ANSI/CAN/UL 144**, Standard for LP-Gas Regulators and Regulator Systems, revisions published March 20, 2024 (also August 5, 2024);
 2. **ANSI/CAN/UL 330**, Standard for Standard for Hose and Hose Assemblies for Dispensing Flammable and Combustible Liquids, revisions published March 6, 2024;
 3. **ANSI/CAN/UL/ULC 567**, Standard for Emergency Breakaway Fittings, Swivel Connectors and Pipe-Connection Fittings for Petroleum Products and LP-Gas, revisions published August 12, 2024;
 4. **ANSI/CAN/UL/ULC 25**, Standard for Meters for Flammable and Combustible Liquids and LP-Gas, revisions published December 12, 2023;
 5. **CAN/ULULC S602**, Standard for Aboveground Steel Tanks for Fuel Oil and Lubricating Oil, reaffirmation on November 17, 2023;
 6. **CAN/ULC S652**, Standard for Tank Assemblies For Collection, Storage and Removal Of Used Oil, revisions published May 10, 2024;
 7. **CAN/ULC S653**, Standard for Aboveground Horizontal Steel Contained Tank Assemblies for Flammable and Combustible Liquids, revisions published June 18, 2024;
 8. **CAN/ULC S655**, Standard for Aboveground Protected Tank Assemblies for Flammable and Combustible Liquids, reaffirmation on April 2, 2024;
 9. **CAN/ULC S677**, Standard for Fire Tested Aboveground Tank Assemblies for Flammable and Combustible Liquids, reaffirmation on May 2, 2024;

Published Documents, US/Canada Standard Revisions

- Standards revisions published:
 10. **ANSI/UL 726**, Standard for Oil-Fired Boiler Assemblies, revisions published September 24, 2024
 11. **ANSI/UL 80**, Standard for Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids, revisions published October 14, 2024;
 12. **ANSI/UL 2061**, Standard for Adapters and Cylinder Connection Devices for Portable LP-Gas Cylinder Assemblies, revisions published December 5, 2024;
 13. **ANSI/CAN/UL/ULC 252**, Standard for Compressed Gas Regulators, revisions published February 28, 2025;
 14. **ANSI/CAN/UL/ULC 252A**, Standard for Compressed Gas Regulator Accessories, revisions published February 28, 2025;
 15. **ANSI/CAN/UL 536**, Standard for Flexible Metallic Hose, revisions published March 3, 2025;
 16. **ANSI/CAN/UL/ULC 30**, Standard for Metallic and Nonmetallic Safety Cans for Flammable and Combustible Liquids, revisions published March 5, 2025;

Current & Proposed Activities



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Current Activities, Joint US-Canada Standards

- Standards development activities currently underway:
 1. **UL/ULC 2583**, Standard for Fuel Tank Accessories for Flammable and Combustible Liquids – Multiple proposals, covered now by TC 2447. Preliminary review opened on 12/6/24 and closed on 1/20/25. TC meeting held on 3/11/25 to discuss comments and revise proposals for ballot, second TC meeting to occur in early April;
 2. **UL/ULC 252**, Standard for Compressed Gas Regulators – Revisions published on 2/28/25;
 3. **UL/ULC 252A**, Standard for Compressed Gas Regulators Accessories – Revisions published on 2/28/25;
 4. **UL 536**, Standard for Flexible Metallic Hose – Revisions published on 3/3/25;
 5. **UL 87/CSA B346**, Standard for Power-Operated Dispensing Devices for Petroleum Products – Proposed binational new 13th edition. This is a pilot program where a joint UL/CSA committee has been formed (TC 87-346J) proceeding to ballot April 2025. The proposed standard will be balloted by this joint committee rather than separately by ULSE TC and CSA Group committees;
 6. **UL/ULC 1238**, Control Equipment for Use with Flammable Liquid, LP-Gas and Alternate Fuel Dispensing Device – Proposed new Joint Canada-US new 8th edition, a proposed draft was submitted and this project is currently in the set up stage;
 7. **UL/ULC 30**, Standard for Metallic and Nonmetallic Safety Cans for Flammable and Combustible Liquids – Revisions to correct French translation of markings published 3/7/25, new proposals being submitted and processed – to allow a new type of design, still in beginning stages, proposal not drafted or ready for review;
 8. **UL/ULC 1316**, Standard for Fibre Reinforced Underground Tanks for Flammable and Combustible Liquids – Multiple proposals submitted, including QR code marking option, threaded coupling requirements, and hydrostatic pressure test correction.

Current Activities, Joint US-Canada Standards

- Standards development activities currently underway:
 9. **UL/ULC 125**, Standard for Flow Control Valves for Anhydrous Ammonia and LP-Gas – Call for proposals issued on 3/21/25;
 10. **UL/ULC 180**, Standard for Combustible Liquid Tank Accessories – Proposals regarding 1. UV Resistance for indoor-use-only rated products and 2. Removal of non-Class II and non-Class III Combustible Liquids to be balloted Q2 or Q3 2025;
 11. **UL/ULC 669**, Proposed Standard for Internal Retrofit Systems for Underground Tanks for Flammable and Combustible Liquids – Joint standard being drafted to supersede UL 1856 and ULC-S669, still in draft stage;
 12. **UL/ULC 842**, Standard for Valves for Flammable and Combustible Liquids – Call for proposals sent on 2/26/25. Proposals received for Clarifications of requirements relating to liquid-confining parts and materials used with liquid-confining parts;
 13. **UL/ULC 1337**, Standard for LP-Gas, Natural Gas, and Manufactured Gas Devices for Engine Fuel Systems – Proposal being developed for requirements for fuel injectors, task group formed to work on details;
 14. **UL/ULC 1369**, Standard for Aboveground Piping for Flammable and Combustible Liquids – Call for proposals issued minor revisions to be balloted in Q2 2025 ;
 15. **UL/ULC 2152**, Standard for Special Purpose Nonmetallic Containers and Tanks for Specific Combustible or Noncombustible Liquids – Call for proposals issued, multiple proposals received, ballot expected Q2 2025;

Current Activities, US and Canada Solo Standards

- Standards development activities currently underway:
 1. **ULC S601**, Standard for Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids – Ballot opened on 11/26/24, recirculation opened on 2/4/25. Consensus achieved, publication of new edition tentatively March/April 2025 with following changes:
 - Bulkhead Construction for Compartment Tanks
 - Miscellaneous Corrections
 - Integrally Contained Tank Markings
 - Specific Gravity > 1.0 and Static Head Tanks
 - Figure 9 Revision
 - Figure 14 Dimension Tolerances
 - Double Wall Tank Terminology Change
 - Generator-Base Tank Terminology Change
 - Marking Section Revisions
 - Revise Section 4.6 Venting
 - Fixing Rectangular Tank Venting and Misc. Problems
 - Fixing Workbench Tank Venting and Misc. Problems
 - Fixing Generator Base Tank Venting and Misc. Problems
 - Fixing Utility Tank Venting and Misc. Problems
 - Fixing Integrally Contained Tank Venting and Misc. Problems
 - Fixing Interstitial Venting and Misc. Problems
 - Delete Table 8 for Interstitial E-Venting
 - Delete Untested Vent Designs

Current Activities, US and Canada Solo Standards

- Standards development activities currently underway:
 1. **UL 80**, Standard for Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids – standard reaffirmed on 10/14/24; Work to begin on UL 80 and ULC S603.1 harmonization, joint TC to be formed, work to start Q1 or Q2 of 2025.
 2. **UL 58 and ULC S603**, Standard for Steel Underground Tanks for Flammable and Combustible Liquids, - Proposed New Binational 11th Edition of the Standard for Steel Underground Tanks for Flammable and Combustible Liquids, UL/ULC 58. Preliminary review work area was opened on 8/21/24 members of TC 58, 1316, and S600A were included in review. Mit Modi and Johnny Hall are the PMs on S600A and 1316 respectively, and Laura is chair on both. Comments were due 2024-10-21. Project currently in comment resolution. ULC S603 will be superseded by UL/ULC 58 if ballot is successful.
 3. **UL 142**, Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids – Ballot of 16 topics opened on 10/18/24, closed on 12/2/24, all 16 topics achieved consensus, comments reviewed and responses developed by TC and recirculation of 4 topics opened on 2/21/25, closing on 3/24/25. Task Groups were formed as a result of the proposal review and have met multiple times,. Johnny Hall is PM of this TC, and Laura Werner is the Chair. The following task groups were formed:
 - Inclusion of alternate designs for multi-compartment tanks
 - Clarification of storage tanks operating at pressures over 1 psi
 - Glossary update for the term “Calculations”
 - Investigating the terminology around “day tank” and make recommendations (142A).
 4. **UL 644**, Standard for Container Assemblies for LP-Gas – Proposal balloted on 9/6/24, recirculation opened on 2/21/25, closing on 3/31/25. Consensus achieved on following topics: 1. Updating Standard to align with ULSE Style Manual, 2. Adding requirements for actuated liquid withdrawal excess-flow valves, 3. Revising Section 11, Filler Valves and Vapor-Return Valves, by adding other valve types as options for container assemblies.

Current Activities

- Standards development activities currently underway:
 5. **UL 142A**, Standard for Special Purpose Aboveground Tank for Specific Flammable or Combustible Liquids – Ballot opened on 9/13/24, votes and comments due 10/14/24, recirculation opened 2/21/25, closing on 3/24/25. Currently has consensus on both topics, Allowance for Reduced Vent Sizing for Tanks Smaller than 60 Gal., and Editorial/Clarification. Task groups formed in conjunction with work done on UL 142)
 6. **UL 109**, Standard for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use – Preliminary review of proposals opened 2/28/25, closing 3/31/25. Proposals include, 1. Addition of requirement for fitting testing with all tube types 2. Revise standard, where applicable, with respect to coverage of refrigerant fittings 3. Updates to Standard to align with ULSE Style Manual
 7. **UL 2208**, Standard for Solvent Distillation Units – Editorial new edition for proposal to be balloted on 3/21/25.

Proposed Activities, Joint US-Canada Standards

- The following standards have projects proposed for the future:
 1. **UL 1746 and ULC S603.1**, Standard for External Corrosion Protection Systems For Steel Underground Storage Tanks (1746) and Standard for External Corrosion Protection Systems for Steel Underground Tanks for Flammable and Combustible Liquids (S603.1) - Harmonization idea for 2025;
 2. **UL 142 and ULC S601**, Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids (142) and Standard for Standard for Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids (S601) – Harmonization idea for Q4 2025 or Q1 2026;
 3. **UL 2085 and ULC S655**, Standard for Protected Aboveground Tanks for Flammable and Combustible Liquids (2085) and Standard for Aboveground Protected Tank Assemblies for Flammable and Combustible Liquids (S655) – Harmonization idea for Q1 or Q2 2025;
 4. **UL 2080 and ULC S677**, Standard for Fire Resistant Tanks for Flammable and Combustible Liquids (2080) and Standard for Fire Tested Aboveground Tank Assemblies for Flammable and Combustible Liquids (S677) – Withdrawals, due to low activity on these standards (folks typically use ULC S655 or UL 2085), withdrawal of these two standards is being considered, TC S600A will be polled to see if there is support for withdrawing or possibly harmonizing the two standards, Q2 or Q3 2025;
 5. **UL 80 and ULC S602**, Standard for Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids (80) and Standard for Aboveground Steel Tanks for the Storage of Combustible Liquids Intended To Be Used as Heating and/or Generator Fuels (S602) – Harmonization, work to start Q1 or Q2 of 2025;
 6. **UL 1854 and ULC S668**, Outline of Investigation for Flexible Secondary Containments for Flammable and Combustible Liquids (1854) and Standard for Liners Used for Secondary Containment of Aboveground Flammable and Combustible Liquid Tanks (S668), Harmonization, Q2 or Q3 2025;

Proposed Activities, Joint US-Canada Standards

- The following standards have projects proposed for the future:
 7. **ULC/ORD-C142.20**, Secondary Containment for Aboveground Flammable and Combustible Liquid Storage Tanks - Harmonization idea for 2025;
 8. **UL 21 and CSA 8.1**, Standard for LP-Gas Hose (21) and Elastomeric composite hose and hose couplings for conducting propane and natural gas (8.1) – Harmonization idea'
 9. **UL 569 and CSA 8.3**, Standard for Pigtails and Flexible Hose Connectors for LP-Gas (569) and Thermoplastic hose and hose couplings for conducting propane and natural gas (8.3) – Harmonization idea.

Proposed Activities, US and Canada Solo Standards

- The following standards have projects proposed for the future:
 7. **UL 132**, Standard for Safety Relief Valves for Anhydrous Ammonia and LP-Gas – Call for proposals to be issued in Q2 or Q3 2025;
 8. **UL 971**, Standard Nonmetallic Underground Piping For Flammable Liquids – Proposals have been received, still need to be processed with complimentary proposals to be submitted for ULC S679, no date for start;’
 9. **UL 2208**, Standard for Pigtails and Flexible Hose Connectors for LP-Gas (569) and Thermoplastic hose and hose couplings for conducting propane and natural gas (8.3) – Harmonization idea;
 10. **ULC S676**, Standard for Refurbishing of Storage Tanks for Flammable and Combustible Liquids – Proposals regarding marking have been received, and are still being processed;
 11. **ULC S668**, Standard for Liners Used for Secondary Containment of Aboveground Flammable and Combustible Liquid Tanks – Proposal being developed to add a self healing textile option;
 12. **ULC S679**, Standard for Metallic and Nonmetallic Underground Piping for Flammable and Combustible Liquids – PRs being coordinated with UL 971 to maintain unity, still being developed.



Any Questions?

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Thank you

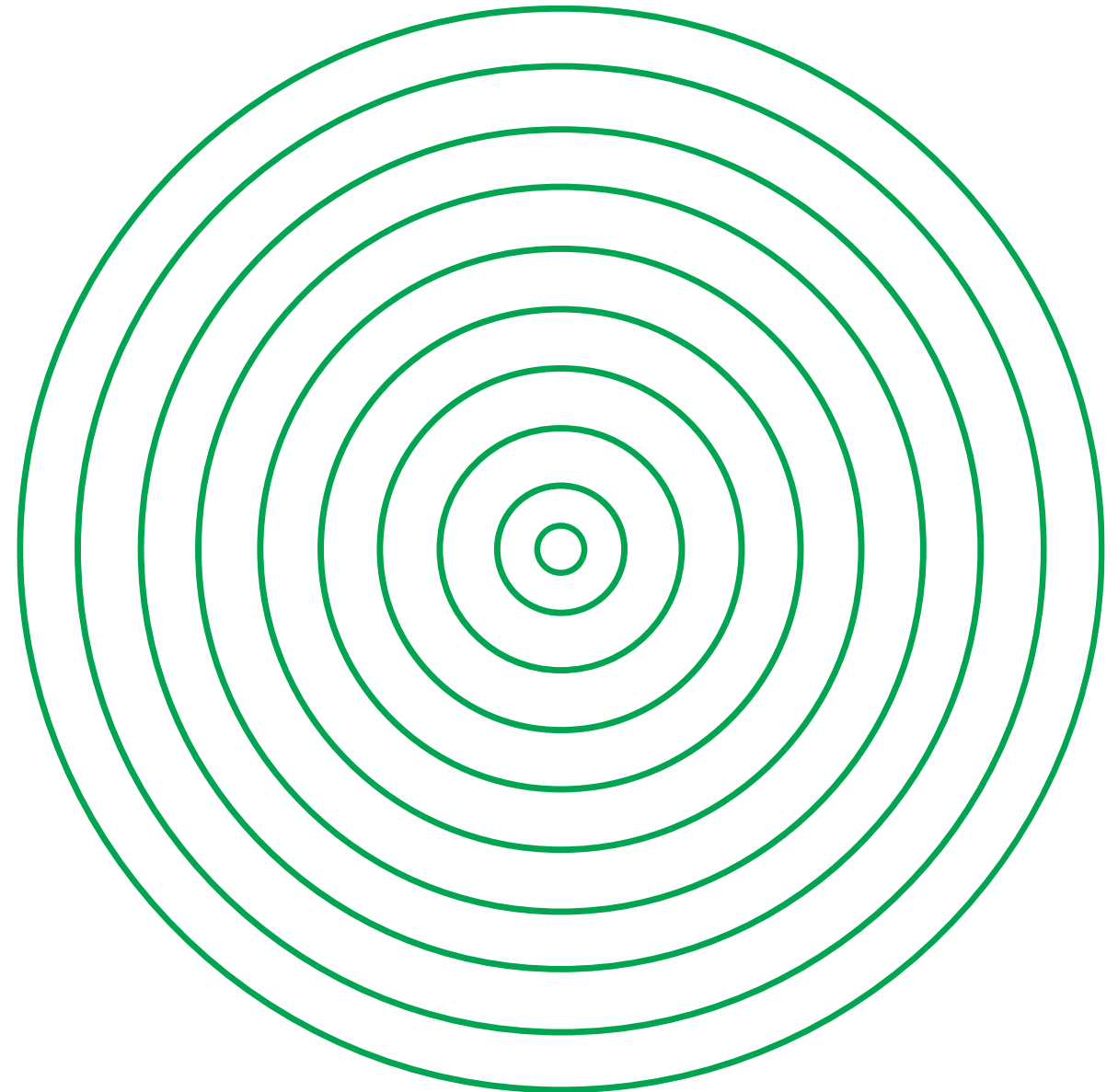
ULSE.org



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Annex

Standards Catalog and TC Committee list



Standards Catalog: Joint US-Canada Standards

Designation	Title
ANSI/CAN/UL/ULC 25	Standard for Meters for Flammable and Combustible Liquids and LP-Gas
ANSI/CAN/UL/ULC 25A	Standard for Meters for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 -E85)
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ANSI/CAN/UL/ULC 125	Standard for Flow Control Valves for Anhydrous Ammonia and LP-Gas
ANSI/CAN/UL 132	Standard for Safety Relief Valves for Anhydrous Ammonia and LP-Gas



Standards Catalog: Joint US-Canada Standards

Designation	Title
ANSI/CAN/UL 144	Standard for LP-Gas Regulators and Regulator Systems
ANSI/CAN/UL/ULC 180	Standard for Combustible Liquid Tank Accessories
ANSI/CAN/UL/ULC 252	Standard for Compressed Gas Regulators
ANSI/CAN/UL/ULC 252A	Standard for Compressed Gas Regulator Accessories
ANSI/CAN/UL 330	Standard for Hose and Hose Assemblies for Dispensing Flammable and Combustible Liquids
ANSI/CAN/UL 330A	Standard for Hose and Hose Assemblies for Use With Dispensing Devices Dispensing Gasoline and Gasoline/Ethanol Blends With Nominal Ethanol Concentrations Up To 85 Percent (E0 - E85)
ANSI/CAN/UL 330B	Standard for Hose and Hose Assemblies for Use With Dispensing Devices Dispensing Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends With Nominal Biodiesel Concentrations Up To 20 Percent (B20), Kerosene, and Fuel Oil
ANSI/CAN/UL/ULC 331	Standard for Strainers for Flammable and Combustible Liquids, Anhydrous Ammonia and Non-potable Water
ANSI/CAN/UL/ULC 331A	Standard for Strainers for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)
ANSI/CAN/UL/ULC 331B	Standard for Strainers for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations Up to 20 Percent (B20), Kerosene, and Fuel Oil

Standards Catalog: Joint US-Canada Standards (continued)

Designation	Title
ANSI/CAN/UL/ULC 404	Standard for Pressure-Indicating Gauges for Compressed Gas Service
ANSI/CAN/UL/ULC 407	Standard for Manifolds for Compressed Gases
ANSI/CAN/UL 536	Standard for Flexible Metallic Hose
ANSI/CAN/UL/ULC 567	Standard for Emergency Breakaway Fittings, Swivel Connectors and Pipe-Connection Fittings for Petroleum Products and LP-Gas
ANSI/CAN/UL/ULC 567A	Standard for Emergency Breakaway Fittings, Swivel Connectors and Pipe-Connection Fittings for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)
ANSI/CAN/UL/ULC 567B	Standard for Emergency Breakaway Fittings, Swivel Connectors and Pipe-Connection Fittings for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene, and Fuel Oil
ANSI/CAN/UL/ULC 842	Standard for Valves for Flammable and Combustible Liquids
ANSI/CAN/UL/ULC 842A	Standard for Valves for Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)
ANSI/CAN/UL/ULC 842B	Standard for Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends with Nominal Biodiesel Concentrations up to 20 Percent (B20), Kerosene and Fuel Oil
ANSI/CAN/UL/ULC 1275	Standard for Flammable Liquid Storage Cabinets

Standards Catalog: Joint US-Canada Standards (continued)

Designation	Title
ANSI/CAN/UL/ULC 1316	Standard for Fibre Reinforced Underground Tanks for Flammable and Combustible Liquids
ANSI/CAN/UL/ULC 1337	Standard for LP-Gas, Natural Gas, and Manufactured Gas Devices for Engine Fuel Systems
ANSI/CAN/UL/ULC 1349	Standard for LP-Gas Vapourizers
ANSI/CAN/UL/ULC 1369	Standard for Aboveground Piping for Flammable and Combustible Liquids
ANSI/CAN/UL/ULC 2152	Standard for Special Purpose Nonmetallic Containers and Tanks for Specific Combustible or Noncombustible Liquids
ANSI/CAN/UL/ULC 2258	Standard for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids
ANSI/CAN/UL/ULC 2447	Standard for Containment Sumps, Fittings and Accessories for Flammable and Combustible Liquids
ANSI/CAN/UL/ULC 2583	Standard for Fuel Tank Accessories for Flammable and Combustible Liquids
ANSI/CAN/UL/ULC 2586	Standard for Hose Nozzle Valves for Flammable and Combustible Liquids
AMNSI/CAN/UL/ULC 2586A	Standard for Hose Nozzle Valves For Gasoline and Gasoline/Ethanol Blends with Nominal Ethanol Concentrations up to 85 Percent (E0 - E85)
ANSI/CAN/UL/ULC 2586B	Standard for Hose Nozzle Valves for Diesel Fuel, Biodiesel Fuel, Diesel/Biodiesel Blends With Nominal Biodiesel Concentrations Up To 20 Percent (B20), Kerosene, and Fuel Oil



Standards Catalog: American Standards

Designation	Title
UL 21	Standard for LP-Gas Hose
UL 51	Standard for Power-Operated Pumps and Bypass Valves for Anhydrous Ammonia, LP-Gas, and Propylene
UL 58	Standard for Steel Underground Tanks for Flammable and Combustible Liquids
UL 80	Standard for Steel Tanks for Oil-Burner Fuels and Other Combustible Liquids
UL 109	Standard for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use
UL 142	Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids
UL 142A	Standard for Special Purpose Aboveground Tanks for Specific Flammable or Combustible Liquids

Standards Catalog: American Standards (continued)

Designation	Title
UL 443	Standard for Steel Auxiliary Tanks for Oil-Burner Fuel
UL 525	Standard for Flame Arresters
UL 565	Standard for Liquid-Level Gauges for Anhydrous Ammonia and LP-Gas
UL 569	Standard for Pigtails and Flexible Hose Connectors for LP-Gas

Standards Catalog: American Standards (continued)

Designation	Title
UL 644	Standard for Container Assemblies for LP-Gas
UL 971	Standard for Nonmetallic Underground Piping For Flammable Liquids
UL 1313	Standard for Nonmetallic Safety Cans for Petroleum Products
UL 1314	Standard for Special-Purpose Metal Containers
UL 1337	Standard for LP-Gas, Natural Gas, and Manufactured Gas Devices for Engine Fuel Systems
UL 1746	Standard for External Corrosion Protection Systems For Steel Underground Storage Tanks
UL 1769	Standard for Cylinder Valves



Standards Catalog: American Standards (continued)

Designation	Title
UL 2039	Flexible Connector Piping for Fuels
UL 2061	Standard for Adapters and Cylinder Connection Devices for Portable LP-Gas Cylinder Assemblies
UL 2080	Standard for Fire Resistant Tanks for Flammable and Combustible Liquids
UL 2085	Standard for Protected Aboveground Tanks for Flammable and Combustible Liquids
UL 2227	Standard for Overfilling Prevention Devices
UL 2245	Standard for Below-Grade Vaults for Flammable Liquid Storage Tanks

Standards Catalog: Canadian Standards

Designation	Title
CAN/ULC-S601	Standard for Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids
CAN/ULC-S602	Standard for Aboveground Steel Tanks for Fuel Oil and Lubricating Oil
CAN/ULC-S603	Standard for Steel Underground Tanks for Flammable and Combustible Liquids
CAN/ULC-S603.1	Standard for External Corrosion Protection Systems for Steel Underground Tanks for Flammable and Combustible Liquids
CAN/ULC-S633	Standard for Flexible Connector Piping for Fuels
CAN/ULC-S642	Standard for Compounds and Tapes for Threaded Pipe Joints
CAN/ULC-S652	Standard for Tank Assemblies for the Collection, Storage and Removal of Used Oil
CAN/ULC-S653	Standard for Aboveground Horizontal Steel Contained Tank Assemblies for Flammable and Combustible Liquids
CAN/ULC-S655	Standard for Aboveground Protected Tank Assemblies for Flammable and Combustible Liquids

Standards Catalog: Canadian Standards (continued)

Designation	Title
CAN/ULC-S656	Standard for Oil-Water Separators
CAN/ULC-S664	Standard for Containment Sumps, Sump Fittings, and Accessories for Flammable and Combustible Liquids
CAN/ULC-S668	Standard for Liners Used for Secondary Containment of Aboveground Flammable and Combustible Liquid Tanks
CAN/ULC-S669	Standard for Internal Retrofit Systems for Underground Tanks for Flammable and Combustible Liquids
CAN/ULC-S675.1	Standard for Volumetric Leak Detection Devices for Underground and Aboveground Storage Tanks for Flammable and Combustible Liquids
CAN/ULC-S675.2	Standard for Nonvolumetric Precision Leak Detection Devices for Underground and Aboveground Storage Tanks and Piping for Flammable and Combustible Liquids
CAN/ULC-S676	Standard for Refurbishing of Storage Tanks for Flammable and Combustible Liquids
CAN/ULC-S677	Standard for Fire Tested Aboveground Tank Assemblies for Flammable and Combustible Liquids

Standards Catalog: Canadian Standards (continued)

Designation	Title
CAN/ULC-S679	Standard for Metallic and Nonmetallic Underground Piping for Flammable and Combustible Liquids
ULC/ORD-C343	Guide for the Investigation of Pumps for Oil-Burning Appliances
ULC/ORD-C142.20	Secondary Containment for Aboveground Flammable and Combustible Liquid Storage Tanks



TC Call for Members

Joint (US-CAN) Technical Committees

- **TC 25**, Meters For Flammable And Combustible Liquids And LP-Gas (AHJ, Consumer, General, Government, Producer, Supply Chain, Testing & Standards and Canadian members needed)
- **TC 30**, Portable Flammable Liquid Containers (TC is balanced but all categories open, including Canadian members)
- **TC 79**, Power-Operated Pumps For Petroleum Dispensing Products (AHJ, Consumer, General, Government, Supply Chain, Testing & Standards and Canadian members needed)
- **TC 80**, Oil Tanks And Accessories (All categories needed except Producer, to become a joint TC, merging with S600A)
- **TC 87**, Power Operated Dispensing Devices For Petroleum - **DEACTIVATED**



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TC Call for Members

Joint (US-CAN) Technical Committees

- **TC 87-346J**, Power-Operated Dispensing Devices for Petroleum Products (*now covers UL 87*)
- **TC 87A-87B**, Power Operated Dispensing Devices for Biofuels and LP-Gas (*AHJ, Consumer, General, Government, Producer, Supply Chain, Testing & Standards and Canadian members needed*)
- **TC 125**, Valves And Safety Relief Valves For Anhydrous Ammonia And Lp-Gas (*Canadian members needed*)
- **TC 144**, LP-Gas Regulators (*Canadian members needed*)
- **TC 252**, Compressed Gas Regulators And Accessories (*All categories needed except Producer and General Interest*)



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TC Call for Members

Joint (US-CAN) Technical Committees

- **TC 330**, Hose And Hose Assemblies For Dispensing Flammable Liquids (All categories needed except Producer)
- **TC 567**, Pipe Connectors For Petroleum Products And Lp-Gas (Canadian members needed)
- **TC 842**, Valves For Flammable Fluids (Canadian members needed)
- **TC 1316**, Flammable And Combustible Liquid Underground Tanks (All categories needed except Producer)
- **TC 1369**, Aboveground Piping For Flammable And Combustible Liquids (All categories needed except Producer)
- **TC 2258**, Combustible Liquid Tanks And Accessories (All categories needed except Producer)
- **TC 2447**, Containment Sumps For Flammable And Combustible Liquids (Canadian members needed)



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TC Call for Members

American Technical Committees

- **TC 21**, LP-Gas Hose, Pigtails, And Flexible Connectors (All categories needed except Producer and General Interest)
- **TC 32**, Solid Waste Containers (All categories needed)
- **TC 109**, Tube Fittings For Flammable And Combustible Fluids, Refrigeration Service, And Marine Use (All categories needed except Producer)
- **TC 142**, Aboveground Storage Tanks And Below Grade Vaults (All categories needed except Producer)
- **TC 525**, Flame Arresters (All categories needed except General Interest)
- **TC 1238**, Control Equipment For Use With Flammable Liquid Dispensing Devices (AHJ, Consumer, General, Government, Supply Chain and Canadian members needed)
- **TC 1769**, Cylinder Valves (All categories needed except Producer and General Interest)
- **TC 2208**, Solvent Distillation Units (Commercial/Industrial User, Consumer, General, Government, Supply Chain, Testing & Standards needed)



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TC Call for Members

Canadian Technical Committees

- **TC S600A**, Stationary Steel Storage Containers for Flammable and Combustible Liquids (All categories needed except Producer)
- **TC S600B**, Stationary Non-Metallic Storage Containers for Flammable and Combustible Liquids (All categories needed except Producer)
- **TC S600H**, Fueling Accessories For Flammable And Combustible Liquids (All categories needed except Producer)
- **TC S600L**, Oil-Water Separators (All categories needed except Producer)

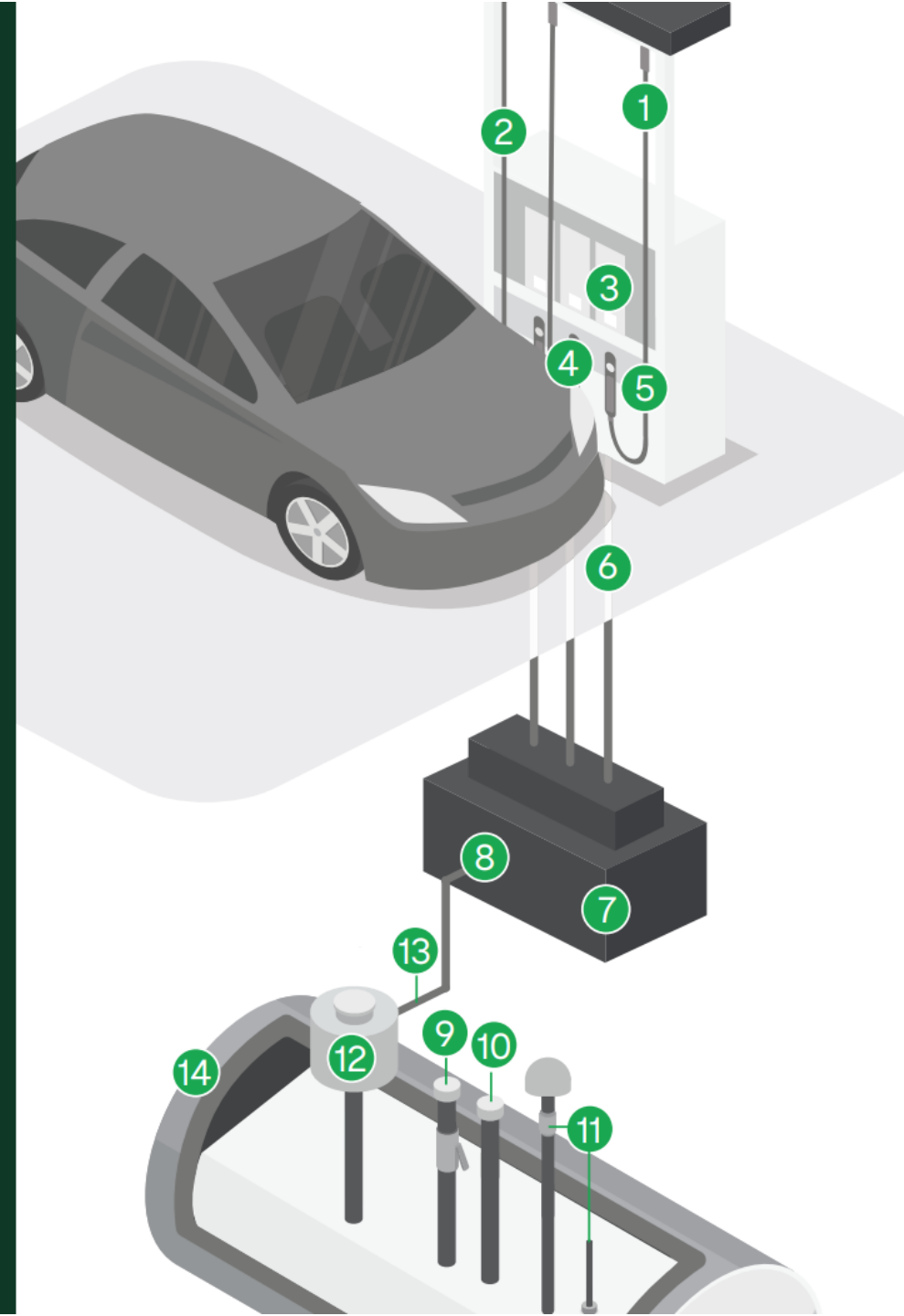


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Fueling systems dispensers and underground tanks

- 1 **UL/ULC 567**
Emergency breakaway fittings, swivel connectors and pipe-connection fittings
- 2 **UL 330**
Hose and hose assemblies
- 3 **UL 1238**
Control equipment
- 4 **UL/ULC 2586**
Hose nozzle valves
- 5 **UL 87**
Power-operated dispensing devices
- 6 **UL/ULC 79**
Power-operated pumps
- 7 **UL/ULC 842**
Valves for flammable & combustible liquids
- 7 **UL/ULC 2447**
Dispenser sumps and transition sumps
- 8 **UL/ULC 2039**
Flexible connector piping
- 9 **UL/ULC 2583**
P/V vents and pipe
- 10 **UL/ULC 2583**
Overfill protectors
- 11 **UL/ULC 2583**
Fill/vapor adapters and caps
- 12 **UL/ULC 2583**
Liquid level gauges and leak detectors
- 13 **UL/ULC 2447**
Fill and vapor sumps
- 14 **UL/ULC 2447**
Tank sumps
- 13 **UL 971/ULC S679**
Nonmetallic underground piping/metallic and nonmetallic underground piping
- 14 **UL 971A/ULC S679**
Metallic underground fuel pipe
- 13 **UL/ULC 2447**
Chase pipe
- 14 **UL 58/ULC S603**
Steel underground tanks
- 13 **UL 1746/ULC S603.1**
Corrosion-resistant tanks
- 14 **UL/ULC 1316**
Fibre reinforced underground tanks
- 14 **UL 1856/ULC S669**
Internal retrofit systems



Aboveground tanks and fueling systems

- | | | |
|--|--|---|
| <p>1 UL/ULC 2152
Nonmetallic containers and tanks</p> <p>2 UL/ULC 2583
Overfill protectors</p> <p>3 UL/ULC 2583
P/V vents</p> <p>4 UL/ULC 2583
Emergency vents</p> <p>5 UL/ULC 2583
Liquid level gauges</p> <p>6 UL/ULC 2583
Fill adapters</p> <p>7 UL/ULC 2583
Spill containers</p> | <p>8 UL 2085
Protected aboveground tanks</p> <p>ULC S655
Protected tank assemblies</p> <p>UL 142
Steel aboveground tanks</p> <p>UL 142A
Special purpose aboveground tanks</p> <p>ULC S601
Steel aboveground tanks</p> <p>ULC S652
Used oil tank assemblies</p> <p>ULC S653
Aboveground steel contained tank assemblies</p> | <p>9 UL 142, 142A/ULC S601, S652, S653
Steel aboveground tanks, e.g. supports, access devices, and containment dikes</p> <p>10 UL/ULC 1369
Aboveground piping</p> <p>11 UL/ULC 2039
Flex connector pipe</p> <p>12 See fueling systems dispensers and underground tanks</p> <p>13 See generators and turbines, e.g., UL 2200</p> <p>14 See burners/boilers and heating appliances, e.g., UL 296</p> |
|--|--|---|

