Standards & Engagement

Rooting Safety Science in Sustainability

Data-Driven Approaches to Standards Development with Sustainability at the Forefront

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UL Standards & Engagement: Data Science & Engineering

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- Jill Maltby-Abbott is a registered architect and sustainability expert working to ensure safety science and standards are rooted in sustainable practices.
- She has extensive experience with GSA's Center for Emerging Building Technologies, consulting for large technology clients, and has served as a sustainability leader for a global architecture and engineering firm. Jill actively advances green building standards through both her professional work and volunteer commitments with the International Living Future Institute and Illinois Green Alliance.

OUR THREE BRANDS

Three organizations.
One shared mission.

Working for a safer world.

UL Research Institutes

UL Standards & Engagement

UL Solutions

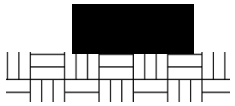
The Role of Safety Science Standards

Hazards - potential source of harm
(ISO/TS 20646:2014)

Harms - physical injury or damage to health
(ISO/TS 20646:2014)

fire → combustible materials → **toxic smoke inhalation**

electric shock → exposed electrical component → **nerve damage**



trip → uneven floor surfaces → **fall**

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A New Lens

- What if sustainability advocacy from the built environment community was also included in safety standards alongside fire and shock mitigation?
- What if voluntary safety standards could help manufacturers understand how accessible sustainability disclosure and optimization can be?

Recent Action

UL Standards & Engagement (ULSE)

- Software Enabled Products, Autonomy & Robotics (SEPAR)
- Building & Life Safety Technologies (BLST)
- Oil & Gas, Wire & Cable, Conduit/Boxes, Electrical Utility (CCC)
- Lighting, Appliances, Tools, Controls, & HVAC/R (AHL)
- Energy, Power, Industrial & Hazardous Locations (EPIHL)
- Electrification, Aviation, Generators & Performance Materials
- Sustainability
- International

Standards Programs

Standards Enablement

- Stakeholder Engagement
- Process Excellence
- Knowledge Management & Learning
- Technology & Systems
- Data Science & Engineering

Engagement

- Communications
- Strategic Initiatives
- Insights & Policy Analysis
- Partnerships

Fire & Chemical Safety
Electrical Safety
Battery Safety
Mechanical & Materials Safety
Electrification
Sustainability and Environmental Safety
Reliability
AI Safety

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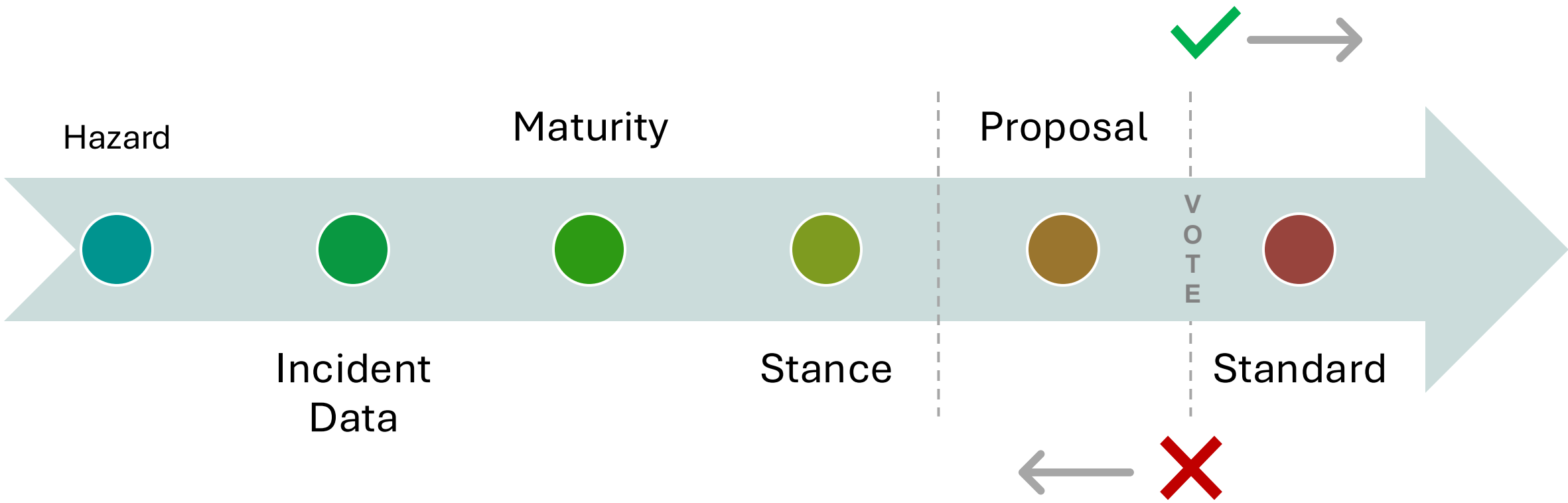
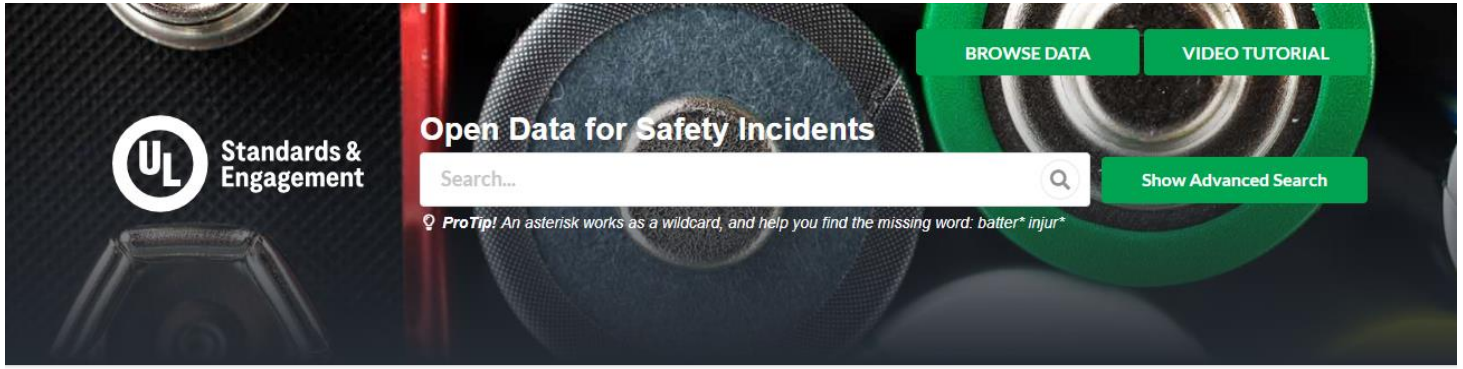
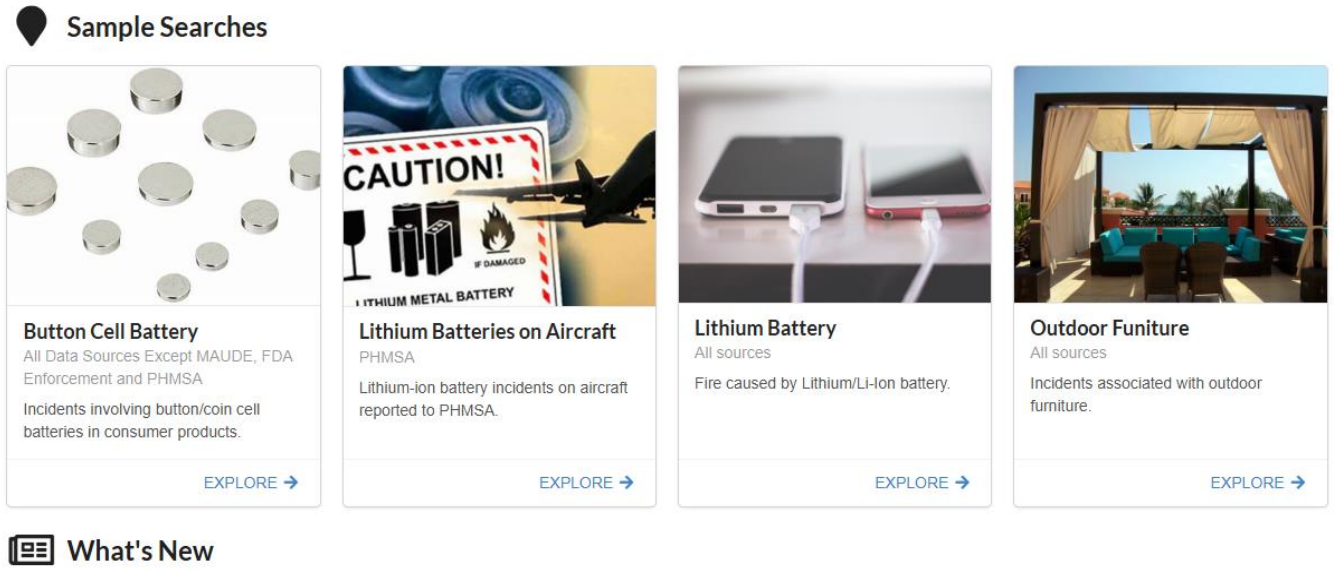
Process Product



Open Data for Safety Incidents





Help us add sustainability-focused incident data to the publicly-facing Data Lake.

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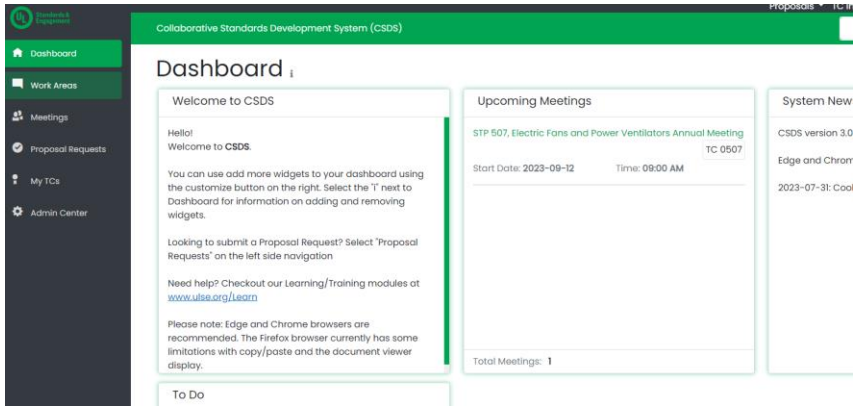
Get Involved

Followers

Submit, review and comment on proposals for new standards or revisions to existing standards.

Followers do not vote as part of the consensus process. Anyone can participate; there are no specific qualifications or prerequisites.

Register on our online Collaborative Standards Development System (CSDS).



ULSE.org/learn

LinkedIn: UL Standards & Engagement

X/Twitter: @ul_standards

Technical Committees (TC)

In addition to submitting, reviewing and commenting on proposals, members are permitted to vote during balloting.

Technical Committees meet periodically during the development and maintenance of the standard(s) for which they are responsible.

Visit our MyInfo Portal to apply

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