# UL Standards in the IoT World

Global Trade and Blockchain Forum

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# UL Standards by the Numbers

OVER
## 1,600
**CURRENT STANDARDS**
On safety, security and sustainability

## 70+
**DEDICATED**
Standards Professionals
In 8 countries

Over
## 4,000
**VOLUNTEERS**
ACTIVELY PARTICIPATING IN
STANDARDS DEVELOPMENT

APPROXIMATELY
## 50,000
REGISTERED CSDS USERS
COLLABORATIVE STANDARDS DEVELOPMENT SYSTEM

## 50+
**ECONOMIES**
REPRESENTED ON STPs
AND COMMITTEES

## 450
**ACTIVE STPs**
AND COMMITTEES
DEVELOPING AND MAINTAINING STANDARDS

*Do you know: UL Standards Platform is open for participation by anyone globally?*

UL

# UL Standards Technical Panel

- **Consensus body** that votes and approves UL standards
- Committee with a balance of interests (no categories greater than 1/3 of total)
- Open to anyone

UL Staff
(No voting right)

Chair

Project Manager

Volunteers (9 categories)

Producer

Supply Chain

Commercial / Industrial User

General

AHJ / Regulator
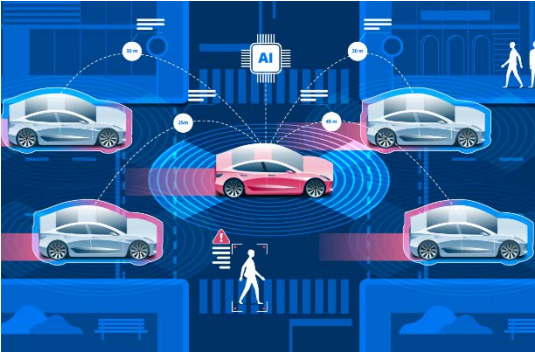
Government

Testing & Standards

Consumer

International Delegate

# Example: UL STP 4600 – Evaluation of Autonomous Products

| Interest Category | Number of STP members | % |
|---|---|---|
| Producer | 6 – Includes, Argo AI, Zenuity, Aurora Innovation, large to small producers from US, Sweden, and China | 19% |
| Testing & Standards Organization | 3 – Includes, UL LLC and other testing bodies | 9% |
| Supply Chain | 4 – From US, Germany | 13% |
| General | 8 – Academia, from United Kingdom, Stockholm, Canada, Consumer Advocates, Insurance | 25% |
| Government | 3 – From US Department of Transportation, Pennsylvania Department of Transportation, US Consumer Products Safety Commission | 9% |
| Commercial & Industrial Users | 5 – Includes, Uber, Nissan, NIO | 16% |
| International Delegate | 2– Representatives from China and Singapore National Technical Committees | 6% |
| Consumer | 1 – Center for Auto Safety | 3% |

# UL 4600

Second draft of standard for STP review

**UL 4600 Stakeholder (public review) and Webinars**

**Workshop in Asia to engage Asia regional stakeholders**

**Anticipated publication of UL 4600**

| May 2019 | July | August | October | October | December | December | Q1 2020 |

Draft UL 4600 sent to Standards Technical Panel (STP) for review

Third draft of standard for STP review

Engaged with United Kingdom Stakeholders

STP Ballot and Public Review

# Public/Private Cyber Security Standards Solutions

- Medical devices are susceptible to cyber security risk putting the patient at risk as well as medical data
- Exchange of information between public and private sector knowledge and approaches to patient safety and security uncovered insights and accelerated standards development in UL 2900 series of Cyber Standards

CELEBRATING
125
YEARS