



**CONSUMER  
TECHNOLOGY**



**COMPLIANCE TO IEC 62368-1  
THE NEW HAZARD-BASED SAFETY STANDARD**



# IEC 62368-1

## SUPPORTING SAFETY. ENABLING INNOVATION.

### Highlights of IEC 62368-1

IEC 62368-1 is the new standard for audio, video, information and communication technology equipment. Based on the **Hazard-Based Safety Engineering (HBSE)** principles, the standard brings real advantages to manufacturers of modern electronic equipment and components:

- **More performance-based (vs. prescriptive) requirements**
- **Greater ability to introduce innovative designs, technologies and constructions into products**

With fewer prescriptive requirements, the new standard will keep pace with new products and emerging technology while offering greater flexibility in designing safe products. In addition, the standard makes it easy to accommodate legacy components.

### A Smooth Transition

The new standard requires a fundamentally new perspective on how product safety compliance is demonstrated.

UL has played a significant role in the development of IEC 62368-1 and we are committed to guiding you through the transition with a flexible portfolio of adoption solutions. A UL Advisor will be your single point of contact for 62368-1 early engagement product evaluation and training.

Whether for a new product or an existing product, UL can help you to develop a customized transition roadmap and timeline – therefore reducing confusion and duplicate testing and certification.



### Products Covered

The new standard covers a wide range of consumer and enterprise technology products, including:

#### INFORMATION TECHNOLOGY:

Computing and networking products and peripherals: switches, servers, routers, scanners, PCs, notebooks, laptop computers, tablets and terminals.

#### COMMUNICATION TECHNOLOGY:

Smart phones, telephones, mobile phones, network infrastructure equipment and IP peripherals.

#### CONSUMER ELECTRONICS:

Wearables, home theater systems, televisions, monitors, cameras, music players, gaming consoles, musical instruments and virtual reality (VR) products.

#### PROFESSIONAL AUDIO TECHNOLOGY:

Powered speakers, mixers, amplifiers and signal processors.

#### OFFICE APPLIANCES:

Copiers, shredders, projectors and printers.

#### COMPONENTS:

Internal and external power supplies, graphics cards, network cards, motherboards, lasers, batteries and hard drives.



# BUILDING YOUR **TRANSITION** ROADMAP WITH UL.

## 62368-1 ToolKit

To assist manufacturers in making their transition to 62368-1, UL has developed an online ToolKit dedicated to the new standard. The ToolKit features an online guide to help you, step by step, through all of the information and services you will need for a seamless transition.

UL is committed to working with you to create a service package that meets your exact needs, whether for product assessment, budgeting, scheduling or market access.

Here are some highlights of what UL's 62368-1 online ToolKit offers:

- **62368-1 transition reference guide, available as an online document, app, pdf and ebook**
- **Notifications of updates and changes in the 62368-1 guide**
- **UL 62368-1 Standard document**
- **Access to exclusive training materials**
- **An expert-led Q&A section where you can post your questions**
- **Brochures and white papers**
- **Special added-value offers**
- **and more.**

**Register for the ToolKit Now!**  
[www.62368-ul-solutions.com](http://www.62368-ul-solutions.com)

## Product Evaluations

In addition to the Toolkit, UL offers the following services:

### Investigations for New and Existing Products

- Certification to 62368-1, including UL, CUL, UL-EU, CB Scheme and global requirements
- Single certification to 62368-1 or dual certification to both 62368-1, and either 60950-1 or 60065, to meet global market access needs
- Update of existing certification to include the requirements of 62368-1

### Gap Analysis

- Detailed evaluation of the differences between a 62368-1 product investigation and one performed under either IEC 60065 or IEC 60950-1

### Impact Analysis

- Preliminary evaluation prior to certification to help identify areas of concern and feasibility that need to be addressed to achieve successful certification

### Global Market Access Services

- UL's Global Market Access (GMA) services – along with our participation in the IECEE CB Scheme – help accelerate and simplify safe product development and deployment through global regulatory requirements

## Knowledge Services

UL's Knowledge Services provides training courses that cover the hazard-based safety engineering principles and how they are applied, as well as the differences between IEC 62368-1 and legacy standards.

UL's Knowledge and Advisory Services include:

- **Public and private instructor-led workshops**
- **E-learning online course modules**
- **On-demand webinars and podcasts**
- **White papers, technical briefs and brochures**
- **Customized advisory services**
- **Tech Insights e-newsletter: subscribe at [www.ul-techinsights.com](http://www.ul-techinsights.com)**





# ENGINEERING SAFE INNOVATION. **NOW.**

## Why Act Now?

Early engagement with UL helps manufacturers to avoid unforeseen costs and delays. We assist your product in moving smoothly through the certification process so that you can launch on time and within budget.

Advantages of early engagement:

- **Reduced manufacturing costs**
- **Increased flexibility in design and construction**
- **Allows for supply chain planning**
- **Quicker introduction of new technology and products to market**
- **Uninterrupted global market access**

Manufacturers can further reduce costs by combining 62368-1 services with other UL services, such as:

- Wireless testing
- Radio/EMC testing
- Interoperability testing
- Energy efficiency testing
- Environmental testing

**Contact UL's 62368-1 experts today at +510-771-1000.**

(see back page for local numbers)

## Why UL?

Implementation of 62368-1 is fast and efficient with UL. Companies trust us: we have already issued numerous certifications to CSA/UL 62368-1, as well as IECEE CB Reports/Certificates to IEC 62368-1.

### EXPERTISE

UL played a key role in the development of the new standard, through active leadership on IEC TC108 and its associated national committees.

### EDUCATION

Since 2011, UL has assisted corporate staff around the world in better understanding and more effectively implementing 62368-1.

### ONGOING SUPPORT

UL continues its leadership and expert roles on TC108, so we always know the latest developments. We also serve the A/V and ICT industry by advocating for helpful revisions to meet evolving needs.

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