

Compliance to IEC 62368-1

The hazard-based safety standard



Solutions

Safety. Science. Transformation.™

IE C 62368-1 Supporting safety. Empowering 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 to demonstrate product safety compliance.

UL Solutions 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 Solutions Advisor will be your single point of contact for IEC 62368-1 early engagement product evaluation and training.

Whether for a new product or an existing product, UL Solutions 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

Smartphones, 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 Solutions

IEC 62368-1 ToolKit

To assist manufacturers in making their transition to IEC 62368-1, UL Solutions 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 Solutions 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:

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

Product Evaluations

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

Investigations for New and Existing Products

- Certification to IEC 62368-1, including UL , CUL, UL-EU, CB Scheme and global requirements
- Single certification to IEC 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 IEC 62368-1

Gap Analysis

- Detailed evaluation of the differences between a IEC 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

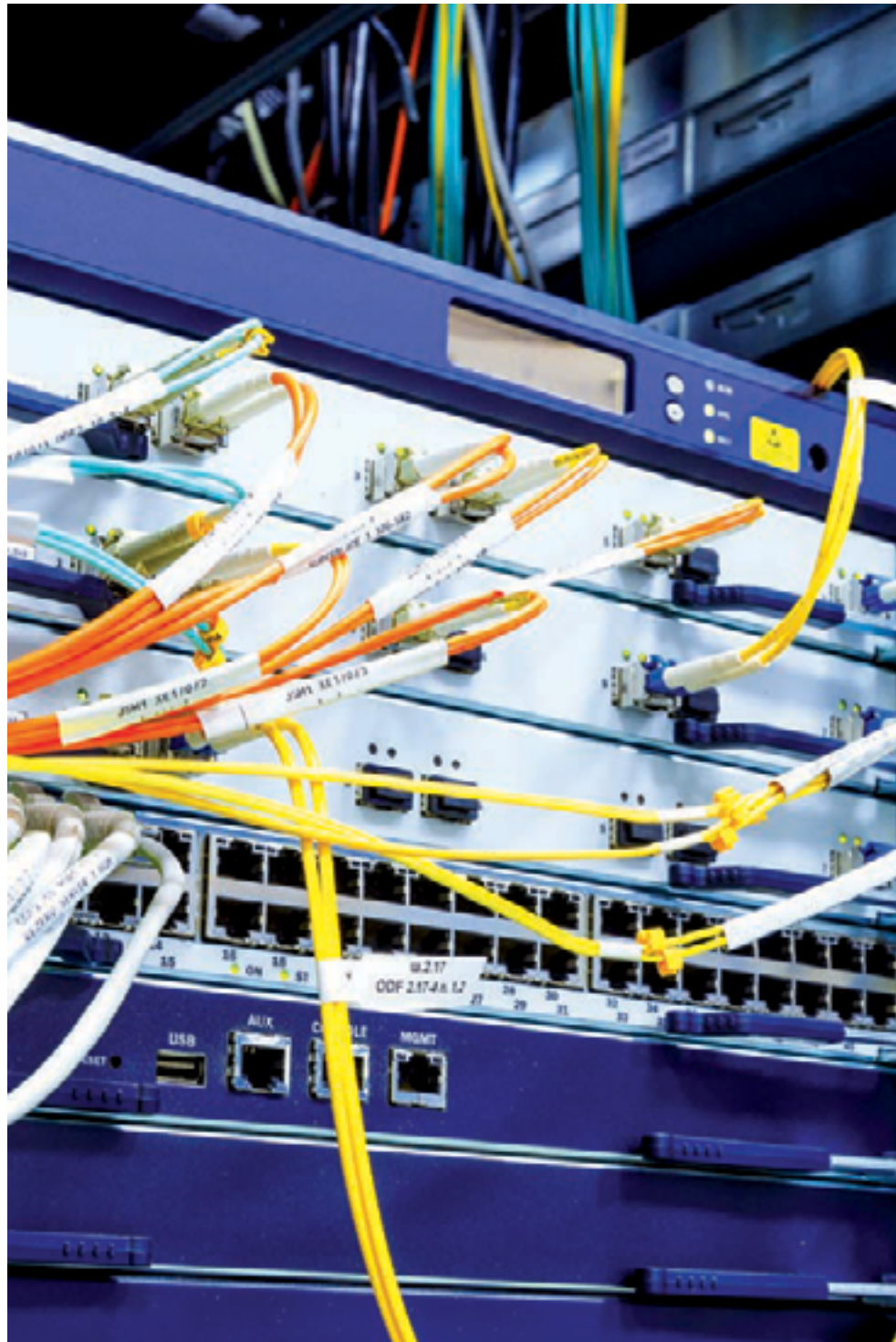
- UL Solutions Global Market Access (GMA) services – along with our participation in the IECEE CB Scheme – help accelerate and simplify safe product development and deployment through global regulatory requirements

Knowledge Services

UL Solutions' 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 Solutions' 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**



Engineering safe innovation now

Why Act Now?

Early engagement with UL Solutions 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 IEC 62368-1 services with other UL Solutions services, such as:

- Wireless testing
- Radio/Electromagnetic Compatibility (EMC) testing
- Interoperability testing
- Energy efficiency testing
- Environmental testing

Contact UL Solutions' IEC 62368-1 experts today at +510-771-1000.

(see back page for local numbers)



Why UL Solutions?

Implementation of IEC 62368-1 is fast and efficient with UL Solutions. 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 Solutions 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 Solutions has assisted corporate staff around the world in better understanding and more effectively implementing 62368-1.

ONGOING SUPPORT

UL Solutions 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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