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# Bringing safer products to multiple markets

UL Solutions and the IECEE CB Scheme



UL Solutions is a premier global independent safety science company that has championed progress for 130 years. First founded in the U.S. in 1894, today UL Solutions employs more than 15,000 professionals worldwide, guided by our mission of working for a safer world.

A global leader in applied safety science, UL Solutions transforms safety, security and sustainability challenges into opportunities for customers in more than 110 countries. 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 Mark serves as a recognized symbol of trust in our customers' products and reflects an unwavering commitment to advancing our safety mission. We help our customers innovate, launch new products and services, navigate global markets and complex supply chains, and grow sustainably and responsibly into the future. Our science is your advantage.



# The IECEE CB Scheme

## Facilitating international trade

The IECEE Certification Body scheme is an international system for the mutual acceptance of test reports and certificates dealing with the safety of electrical and electronic components, equipment and products.

It is a multilateral agreement among participating countries and certification organizations, which aims to facilitate trade.

The CB Scheme is the world's first truly international system for the mutual acceptance of test reports and certificates, dealing with the safety of electrical and electronic products and components. It is overseen by the International Electrotechnical Committee for Conformity Testing to Standards for Electrical Equipment (IECEE).

As an expert participant and leading member of the IECEE CB Scheme, UL Solutions operates four National Certified Bodies (NCBs) in Denmark, the U.S., Japan and Canada, as well as over 80 Certified Body Testing Laboratories (CBTLs) around the world, offering the proven benefit of access to international markets with a single provider.

### **CB Scheme benefits**

- Single point of product testing for global market access
- Acceptance of test reports for national certification in member countries
- Acceptance of test reports by numerous non-CB Scheme countries

### **IEC product categories covered by UL Solutions\***

- BATT - Battery
- CABL - Cables and cords
- CAP - Capacitors as components
- CONT - Switches for appliances and automatic controls for electrical household appliances
- CYBR - Cyber Security
- E3 - Energy Efficiency
- ELVH - Electrical Vehicle
- EMC - Electromagnetic Compatibility
- HOUS - Household and similar equipment
- INDA - Industrial Automation
- INST - Installation accessories and connection devices
- ITAV - Information Technology Audio Video
- LITE - Lighting
- MEAS - Measurement, Control and Laboratory equipment
- MED - Electrical equipment for medical use
- MISC - Miscellaneous
- OFF - IT and office equipment
- POW - Low voltage, high power switching equipment
- PROT - Installation protective equipment
- PV - Photovoltaics
- SAFE - Safety transformers and similar equipment
- TOOL - Portable tools
- TRON - Electronics, entertainment

*\*list is subject to change*

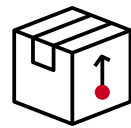
# The CB certification process

UL Solutions offers customers the option to bundle CB Scheme and Global Market Access services, making it possible to gain all relevant certifications without the need for retesting.



## Consultation

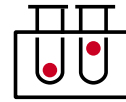
Applicant engages with UL Solutions, defines scope, reviews recommendations and authorizes UL Solutions services.



## Submission

Applicant submits a sample along with:

- Name and address of company responsible for the product and list of manufacturing locations.
- List of countries for which market access is required.
- Full product description and documentation.



## Testing

UL Solutions conducts product tests and evaluations according to:

- Applicable IEC standards.
- National differences of the target countries, as needed.

Product testing can be performed in UL Solutions laboratories or in certified testing facilities (CTFs) witnessed or supervised by UL Solutions staff through our Data Acceptance Program.



## CB certification and CB Test Report

After UL Solutions determines the product is compliant, UL Solutions issues the:

- CB Test Certificate.
- CB Test Report.



## National marks

The CB Test Certificate and CB Test Report, including the supplement on national differences, help enable the customer to apply for multiple national certifications without additional laboratory product tests.



## Market product

Customers market their products in their target countries.

# Global compliance with local service and worldwide recognition

UL Solutions has its own accredited laboratories and CBTLs in all major regions of the world, enabling us to assess products against a broad range of IEC standards while also integrating any relevant national differences. Our local experts can help you obtain the required certifications and approvals you need to sell your products in your target markets. Together with experts located in your destination market, our team provides seamless support across time zones.

## Advantages of the CB Scheme with UL Solutions

### **Get bundled services for safety, energy efficiency and EMC**

Based on the CB Scheme as well as our own internationally recognized UL Standards.

### **Stay up to date**

UL Solutions sits on 1,300 standards panels and technical committees, and we can evaluate against current CB Scheme requirements of member countries.

National differences are special requirements that the IECEE CB Scheme permits each country to adopt to address local safety concerns.

You must still apply to the NCBs in your target countries for national certifications, or you can engage with UL Solutions for support in submitting the applications.





**Help accelerate your time-to-market and reduce costs**  
UL Solutions can help you gain certifications for multiple countries without the need for retesting.

**Benefit from our recognized authority within the CB Scheme**

UL Solutions is the first issuer in terms of number of CB Test Certificates (21% out of the total) and the first issuer in the categories ITAV, MED, MEAS, TRON, CONT, E3 and PV.

**Benefit from our knowledge and research**

As a global safety science company with comprehensive technical expertise and highly experienced engineers, UL Solutions is dedicated to mitigating risks and safeguarding innovation through research and development. UL Solutions constantly researches for and develops new testing methodologies and equipment, procedures, software and standards, helping make the world safer and facilitating international trade.



### Facilitate responsible sourcing

UL Solutions can help validate your supply chain against stringent international standards, e.g. with information solutions that provide streamlined, searchable access to essential data needed to make informed, timely decisions.

### Only UL Solutions can issue the UL Mark

Appearing on billions of products globally, the UL Mark serves as a recognized symbol of trust in our customers' products and reflects an unwavering commitment to advancing our safety mission.

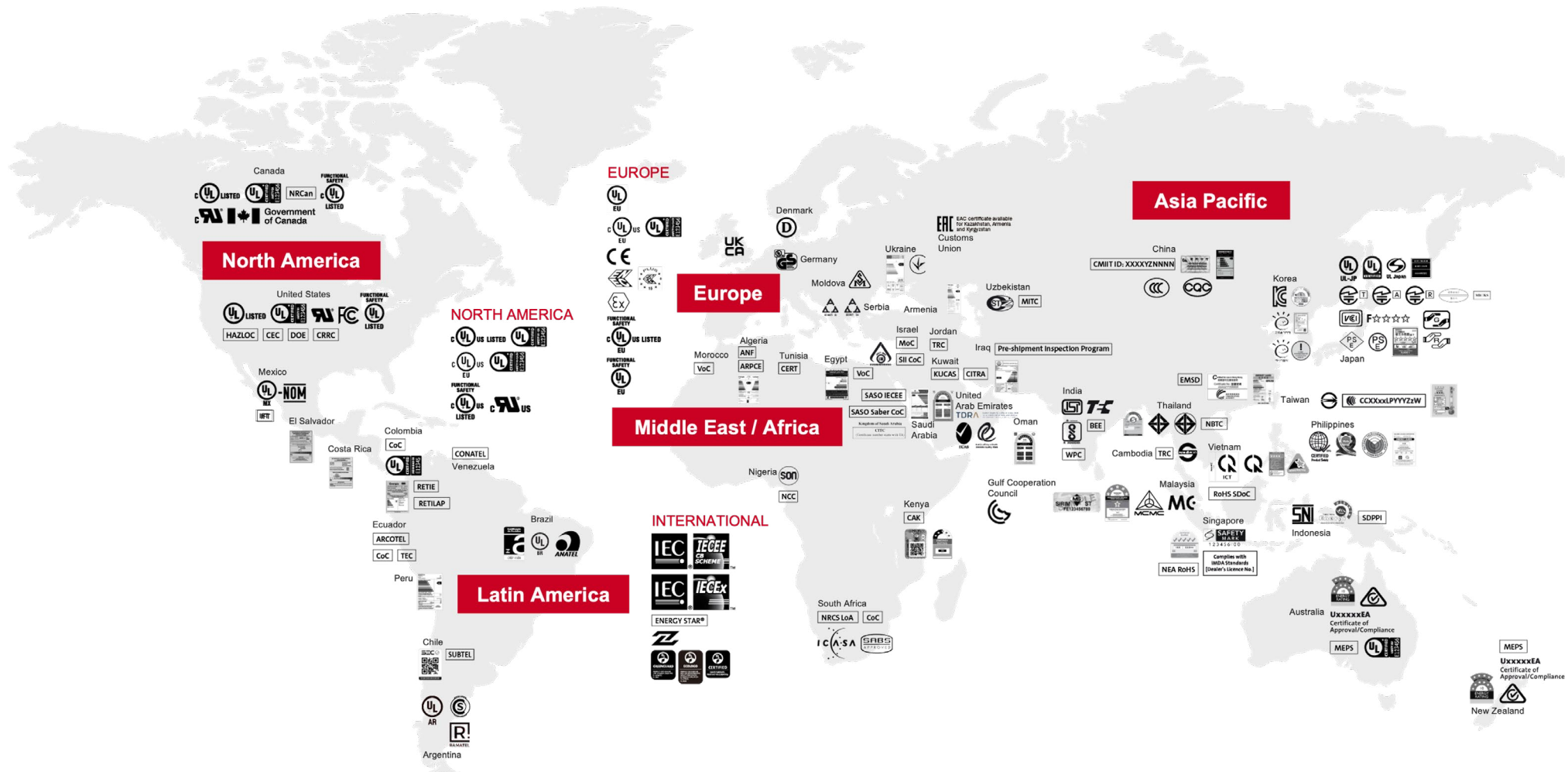
We are continuously expanding our range of services so we can support your entire product lifecycle.



# Global Market Access

## Beyond CB certification

UL Solutions can help you enter new markets with confidence by providing customized services. Our certification expertise can combine testing services for multiple countries at one time to suit your launch plan. Through our personal, localized service, our engineering experts can help you improve your speed to market. We can help streamline your acceptance into global markets and keep you up to date on the latest applicable requirements.



## Comprehensive, customizable compliance services with one dedicated provider

- Streamlined and accelerated certification process through one product submission for all target markets
- One certifying body for access to world markets, reducing administration and project management to a minimum
- Benefit from our reputation for accuracy and integrity
- Navigating regulation changes is simpler with UL Solutions by your side. Our expert team will support you through every phase of your product design review, from the initial concept to the final testing for EMC, radio frequency (RF), electrical safety, energy efficiency, cybersecurity and environmental regulations.

[CONTACT US TO LEARN MORE](#)





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