

An aerial night photograph of Singapore, showing the illuminated Marina Bay Sands hotel with its distinctive three-peaked roof, the Esplanade - Theatres on the Bay, and the city skyline across the water. A red semi-transparent box is overlaid on the left side of the image, containing white text.

Introducing our
comprehensive
suite of solutions for
ASEAN, Australia and
New Zealand



Safety. Science. Transformation.™

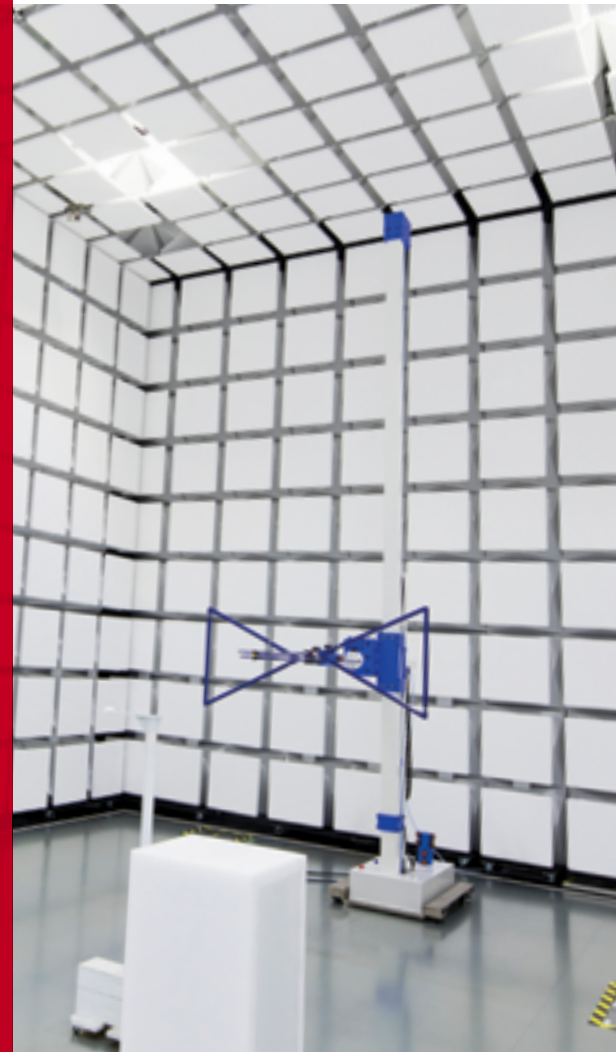
Explore our secure facility and flexible accommodations.



Each laboratory is armed with a **Card access system** with restricted access and **monitored around the clock.**



Laboratories are accessible **outside of normal working hours** under a flexible schedule arrangement



Why partner with UL Solutions

A global leader in applied safety science, UL Solutions transforms safety, security, and sustainability challenges into opportunities for customers in more than 100 countries. UL Solutions delivers testing, inspection and certification services, that support our customers' product innovation and business growth.

We help our customers innovate, launch new products and services, navigate global markets and complex supply chains, and grow sustainability and responsibly into the future.

Get in touch with us at www.UL.com/contact-us to discuss your requirements.

Your needs come first

UL Solutions helps ensure your products and processes comply with regulatory standards. To help you gain global market access, we provide needed support and information.



Technical Expertise

Services we offer:

- Safety testing*
- Cybersecurity
- EMC testing
- Reliability testing
- Wireless testing
- Training services
- Verification services
- Data Acceptance Program
- Global Market access
- Advisory services
- Field evaluations
- EPA Energy Star Program
- Marketing Claim Verification Program
- Certification Conversion Program

Products we offer:

- Information technology products
 - Multifunction products: copier, scanner, fax (all in one)
 - Computer and peripheral
- Audio, video and similar electronic devices
- Programmable controller
- Electrical equipment for measurement control and laboratory use
- Telecommunication equipment
- Electricity metering equipment (energy/ smart meter)
- Any electrical and electronic product
- Medical electrical equipment

* Tested to IEC 62368-1 for Safety of Information Technology and Audio/Video Equipment.

Safety

The electrical safety laboratory has various local and global accreditations under our belt. This includes ISO 17025 Accreditation by Singapore Accreditation Council (SAC) under SAC-SINGLAS Scheme, acceptance as a Certification Body Test Laboratory (CBTL) under the IECEE CB (Certified Body) scheme, ISO 17065 Accreditation by American National Standards Institute (ANSI), Occupational Safety and Health Administration (OSHA) and Standards Council of Canada (SCC). As a Nationally Recognized Testing Laboratories Satellite Notification and Acceptance Program (NRTL SNAP) site and accredited by SCC, our laboratories in Singapore are accredited to provide the certification Marks for North America that include the UL Mark for United States and C-UL Mark for Canada.

The expertise of UL Solutions technical team and our certifications and test reports are recognized around the world by regulatory bodies. We offer integrated test plans to assess products to the requirements for multiple countries concurrently as well as to the Standards for Safety that we write. Our Data Acceptance Program (DAP) enables you to utilize test data from your own or other test facilities for UL Solutions safety certifications.



Market	Information technology equipment	Audio/ Video	Information and Communication technology equipment	Medical Devices	Laboratory equipment
IEC	IEC 60950-1:2005/ A1:2009/A2:2013	IEC 60065:2014	IEC 62368-1:2014 IEC 62368-1:2018	IEC 60601-1:2005/ AMD1:2012 IEC 60601-1:2005/ AMD2:2020 IEC 60601-1-6:2010/ AMD1:2013 IEC 60601-1-6:2010/ AMD2:2020 IEC 60601-1-8:2006/ AMD1:2012 IEC 60601-1-8:2006/ AMD2:2020 IEC 60601-1-11:2015 IEC 60601-1-11:2015/ AMD1:2020	IEC 61010-1:2010 IEC 61010-1:2010/ AMD1:2016 IEC 61010-2-010:2014 IEC 61010-2-010:2019 IEC 61010-2-051:2015 IEC 61010-2-051:2018 IEC 61010-2-081:2015 IEC 61010-2-081:2019 IEC61010-2-101:2015 IEC61010-2-101:2018
Europe	N/A	N/A	EN 62368-1:2014/ A11:2017 EN IEC 62368-1:2020/ A11:2020	EN 60601-1:2006 A1:2013/ A12:2014 (IEC 60601-1:2005/ AMD1:2012) EN 60601-1:2006 A2:2021 (IEC 60601-1:2005/ AMD2:2020) For Consultancy: Contact Emergo For Notified Body Services : Contact UL Regulatory	EN 61010-1:2010/ A1:2019
United States	UL 60950-1 Edition 2	UL 60065 Edition 8	UL 62368-1 Edition 2 UL 62368-1 Edition 3	AAMI ES60601-1:2005/ (R)2012 A1:2012/(R)2012 A2:2021	UL 61010-1 Ed.3, May 11, 2012, Revised: July 19, 2019
Canada	CSA C22.2 No. 60950-1-07	CSA C22.2 NO.60065.16	CSA C22.2 NO. 62368-1-14	CSA-C22.2 No. 60601-1 (Amendment 2:2022 (MOD) to CAN/CSA-C22.2 No. 60601-1:14)	CAN/CSA-C22.2 No. 61010-1(2012-05), 3rd Edition, with revisions through 2018-11
ASEAN	IEC 60950-1:2005/ A1:2009/A2:2013	IEC 60065:2001 PNS IEC 60065: 2007 TIS 1195-2536: 1993	N/A	Contact Emergo	N/A



Wireless

Our global presence allows us to offer a local service with worldwide coverage. UL Solutions takes an integrated and customized service approach to meet all of your product testing and compliance needs. These streamlined service paths can help you obtain the required certifications and approvals you need to sell your products in your target markets.

UL Solutions has experience in testing all major wireless technologies, and we specialize in testing and compliance for products that contain multiple wireless technologies. We work closely with you to quickly and efficiently address any issues that may arise during the testing process.



Market	Bluetooth®	WiFi 2.4GHz	WiFi 5GHz	HF RFID/NFC	UHF RFID	GNSS
EU/EFTA	ETSI EN 300 328	ETSI EN 300 328	ETSI EN 301 893	ETSI EN 300 330	ETSI EN 302 208	ETSI EN 300 440 / ETSI 303 413
United States	FCC Part 15C	FCC Part 15C	FCC Part 15C&E	FCC Part 15C	FCC Part 15C	N/A
Taiwan	LP0002	LP0002	LP0002	LP0002	LP0002	N/A
Canada	RSS-247	RSS-247	RSS-247	RSS-210	RSS-210	N/A
Australia and New Zealand	AS/NZS 4268	AS/NZS 4268	AS/NZS 4268	AS/NZS 4268	AS/NZS 4268	N/A
Singapore	IMDA TS SRD	IMDA TS SRD	IMDA TS SRD	IMDA TS SRD	IMDA TS SRD	N/A

EMC

The EMC facility is one of the two test laboratories in Singapore with a 10-meter semi-anechoic chamber. The facility is ISO 17025 accredited by A2LA Accreditation and Singapore Accreditation Council (SAC-SINGLAS, Signatory of ILAC-MRA), and it is also a recognized BSMI EMC testing laboratory, US FCC and Canada ISED recognized test laboratory, Taiwan NCC Foreign Recognized Telecommunication Equipment Testing Lab, Japan VCCI Registered Facility, and a Vietnam VNTA recognized test laboratory.

The EMC facility possesses the capabilities to test the EMC performance of the common commercial products available in today's market, ranging from multimedia equipment to audio/video and information technology equipment. During the recent equipment upgrade, the laboratory expanded its scope of testing to cover other commercial products, such as medical devices, laboratory equipment, railway apparatuses and household metering products.

Market	Multimedia Equipment	Information technology equipment	Audio/ Video	Medical Devices	Laboratory Equipment	Railway	Metering
IEC/ CISPR	CISPR 32 CISPR 35	CISPR 32 CISPR 35	CISPR 32 CISPR 35	IEC 60601-1-2	IEC 61326 series	IEC 60571 IEC 62236 series	IEC 62052-11 IEC 62055-31 IEC 62053-21, -22, -23
Europe	EN 55032 EN 55035	EN 55032 EN 55035	EN 55032 EN 55035	EN 60601-1-2	EN 61326 series	EN 50121 series EN 50155	EN 62052-11 EN 62055-31 EN 50470-1 EN 62053-21, -22, -23
United States	FCC Part 15B	FCC Part 15B	FCC Part 15B	IEC 60601-1-2	N/A	N/A	N/A
Canada	ICES-003	ICES-003	ICES-003	IEC 60601-1-2	N/A	N/A	N/A
Australia and New Zealand	AS/NZS CISPR 32	AS/NZS CISPR 32 AS/NZS CISPR 35	AS/NZS CISPR 32 AS/NZS CISPR 35	IEC 60601-1-2	N/A	N/A	AS/NZS 62052-11 AS 62053-21, -22, -23
Japan	VCCI 32-1	VCCI V-3	N/A	JIS T 0601-1-2	N/A	N/A	N/A
Taiwan	N/A	CNS 13438 CNS 15936	CNS 13439 CNS 15936	IEC 60601-1-2	N/A	N/A	N/A

Performance

UL Solutions helps you evaluate and validate a product's performance to help ensure it works under certain conditions. The reliability laboratory in Singapore conducts climatic testing, dynamic testing and is accredited under the EPA program for Imaging Equipment Version 3.0.

Climatic testings validate the operating specifications of the product. Various chambers of different sizes can conduct temperature tests from -40 to 70 degrees Celsius with humidity control from 5 to 95 percent relative humidity. Dynamic testing validates the packaged product against the impacts — vibration and drop — seen during usage, shipment and transportation. As an International Safe Transit Association (ISTA) certified testing laboratory, we can perform rigorous testing on your product packaging to help ensure its durability as it relates to transit. EPA's renewable energy and energy efficiency programs help to ensure power consumption specification is in compliance with mandatory energy efficiency requirements.



Climatic testing

- IEC 60068-2-1
- IEC 60068-2-2
- IEC 60068-2-30
- IEC 60068-2-78



Energy efficiency

- EN 50564: 2011
- IEC 62301 Ed 2.0: 2011
- EPA program for imaging equipment, version 3.0



Dynamic testing

- IEC 60068-2-6
- IEC 60068-2-27
- IEC 60068-2-31
- ISTA Packaging Tests
- Halt/Hass Testing

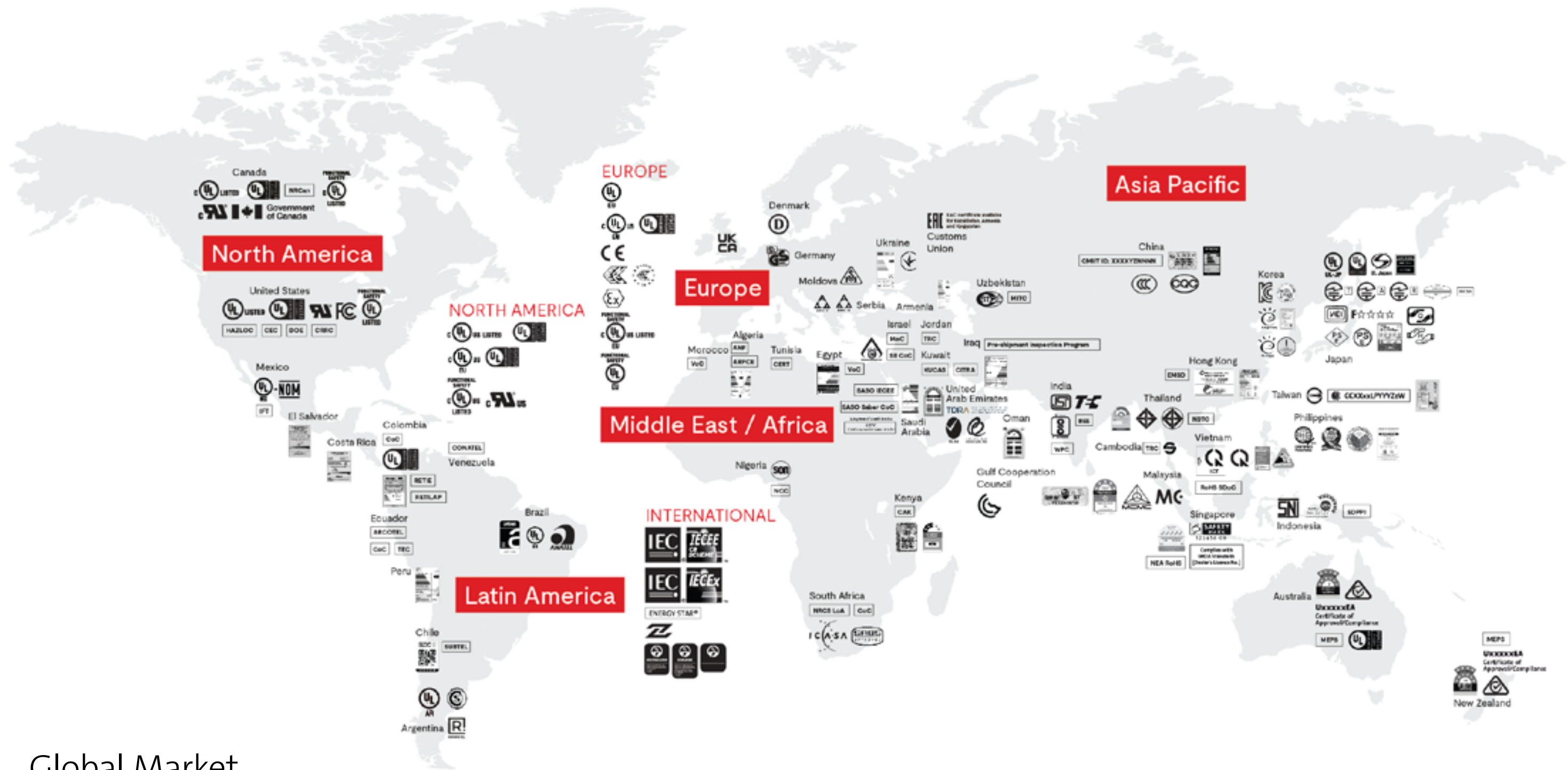


Electricity (smart) meter testing

- IEC/EN/AS/NZS 62052-11
- NMIM6-1
- IEC/EN/AS 62053-21, -22, -23
- EN 50470-1
- IEC/EN 62055-31

Additional Capabilities

- **ISO 7637-2**
- **CISPR 25**
Automotive
- **ISO 7176-21**
Electrically powered wheelchairs and scooters and battery chargers
- **EUROCAE ED-14G**
- **RTCA/DO-160G: 2010**
Airborne equipment (radiated emission, conducted emission, electrostatic discharge, magnetic effect)
- **CISPR 11/EN 55011**
FCC Part 18/ICES-001
AS/NZS CISPR 11
Industrial, scientific and medical equipment (ISM)
- **IEC 61131-2/EN 61131-2**
Programmable logic controller (PLC)
- **IEC 61000-6-1/2/3/4**
EN 61000-6-1/2/3/4
AS/NZS 61000-6-1/2/3/4
Generic standard
IEC 61000-3-2/3
IEC 61000-4-2/3/4/5/6/8/9/11/12/18/29
EN 61000-3-2/3
EN 61000-4-2/3/4/5/6/8/9/11/12/18/29
Basic standard
- **CISPR 14-1/2**
EN 55014-1/2
Household appliances
- **TR 25-1,2,3,4**
IEC 61851-21-1,2
IEC 61851-23
EV Charger
- **2G,3G,4G and 5G**
- **WiFi 6e**



Global Market Access

Most businesses find the global market's regulatory landscape complex and challenging; yet they still want to maximize access to remain competitive. As an industry leader, UL Solutions understands the importance of the global market, and we have knowledgeable Global Market Access experts in more than 40 countries to help you achieve the access you need to succeed.

Through industry relationships and partnerships in various countries, UL Solutions' laboratory in Singapore maintains a thorough understanding of various requirements and standards, including CB Scheme, IEC, Taiwan (BSMI) and others.

This information is subject to change due to evolving regulations and is for guidance and illustration purposes only. The map represents some of the marks and certificates that UL may be able to assist you in obtaining if your products meet all the applicable requirements.



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