

# Ethernet Alliance PoE Certification testing



**As one of the Ethernet Alliance (EA)'s authorized test laboratories, the Taiwan laboratory of UL Solutions offers research testing and certification testing of your Power over Ethernet (PoE) devices.**

## Introducing the EA PoE Certification

The wide variety of PoE products in the market raises the issue of interoperability and market confusion. To improve the end-customer experience, manufacturers and vendors must address these concerns and provide evidence of compliance. This can prove challenging and has become more difficult as the PoE standard progressed to higher-power delivery and more complex interactions.

The EA PoE Certification identifies PoE products designed to the IEEE 802.3 PoE standards and assures end customers that PoE products from multiple manufacturers will interoperate.

The EA has approved UL Solutions, a global leader in applied safety science, to conduct EA PoE Certification testing.



# The Taiwan facility of UL Solutions provides PoE safety, performance and interoperability testing services

We help power sourcing equipment (PSE), and powered devices (PDs) manufacturers demonstrate compliance with IEEE 802.3 standards by providing certification testing approved by the EA relating to the performance and interoperability attributes of the products.

PoE allows devices to provide and utilize power over communication cables. PSE such as switches and midspans use PoE to provide power to PDs, including wireless access points, phones, cameras, speakers, LED lighting and a variety of other edge and remote devices.

The Taiwan laboratory of UL Solutions can test Type 1-4 PSE and Class 1-8 PDs. Furthermore, we can support customers in the EA certification process. Their devices can achieve certification and feature the EA Certified logo, providing end-users with a clear indicator of the devices' capabilities related to PoE.

We can provide research testing on prototypes and finished products. Combined with our deep industry expertise, we can help identify problems, expedite your time to market and increase customer acceptance of your PoE devices.

## Why UL Solutions

UL Solutions has long earned recognition and trust worldwide as a provider of compliance testing to safety and performance specifications for the global telecommunications industry. Customers rely on us for insights, knowledge and technical expertise to address safety issues and advise on new technologies. We are rapidly growing our PoE industry focus.

- UL Solutions is the only independent Nationally Recognized Testing Laboratory (NRTL) recognized to perform certification testing for the EA.
- Our test facility in Taiwan is conveniently located in Asia to serve the developing PoE device market. Our worldwide presence allows us to provide our customers with access to our collaborative global network of experts and resources.
- We have testing capabilities for other high-speed wired interfaces; we can also support safety and EMC compliance testing for PoE devices, making the process more streamlined while saving costs.

**Get started today to benefit from our EA PoE certification testing service. Learn more at [UL.com/poe](https://www.ul.com/poe).**



**Safety. Science. Transformation.™**