

CE Certification Explained

CE Certification

Applications

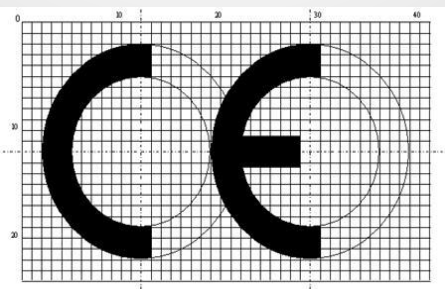
- OEMs aiming for a timely and cost-effective global market entry
- Ideal for system integrators

Benefits

- Flat cost per project – no additional charges
- Guaranteed solution

Features

- Flexibility of both laboratory and on-site testing options
- On-site testing provides real-time solutions



Q: What is the CE mark?

A: The CE mark, derived from "Conformité Européenne," signifies European Conformity. It serves as a declaration by manufacturers that their products comply with EMC Directives, encompassing safety, performance, and environmental standards.

The CE mark represents a self-declaration by the manufacturer, indicating that they bear responsibility for ensuring their products comply with all relevant European Standards

Q: Where does it apply?

A: The CE mark applies broadly to electrical products, ensuring compliance with relevant Directives.

Q: What about OEM manufacturers?

A: OEM equipment must adhere to CE Standards, primarily governed by the EMC Directive 2014/30EU, Machinery Directive 2006/42/EC, and Low Voltage Directive 2014/34/EU.

Q: What about global implications?

A: Countries like Australia, New Zealand, Japan, and Israel recognize the CE mark for both domestic and imported products.

Q: What is the status in the USA and Canada?

A: The US has FCC Part 15, which is a certification for electronic products manufactured in the USA or for products imported into the USA.

The electronics and industrial markets follow two regulations:

Part 15 is for digital devices like cell phones and printers. Part 18 is for industrial, scientific, and medical equipment.

For industrial applications, FCC is very similar to the EMC Directive. The goal of both agencies is to limit and minimize the emission of unintentional “radio-frequency” interference that may cause problems to other devices.

Q: When is Pre-Compliance Testing Beneficial?

A: Consider pre-compliance testing if:

- You're an OEM aiming for a timely and cost-effective global market entry.
- You want to ensure compliance before certifying at a large testing facility.
- You're concerned about machinery efficiency or its impact on nearby equipment.

Q: How can Enerdoor assist?

A: Enerdoor, recognized as one of the top-ranked CE labs globally, offers an array of testing methods and ensures standard compliance. Our distinctive flat-rate, on-site testing service guarantees that we remain on-site until a solution is achieved. Our engineers provide comprehensive support throughout the CE Certification process, including documentation preparation for the Technical Construction File (TCF) to validate CE Compliance.

With several fully equipped EMC mobile laboratories, an extensive range of EMI/RFI filter products, and engineers boasting decades of experience, Enerdoor collaborates closely with clients on-site to swiftly identify and address real-time solutions, minimizing radio-frequency interference that could otherwise lead to malfunctions in machinery or other devices.

