

The Cyber Resilience Act (CRA)

The new European framework for digital and connected product security

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The Cyber Resilience Act (CRA) is the new European legislation redefining market access rules for products with digital elements. Once implemented, cybersecurity will no longer be an optional bonus, but a legal prerequisite enforced by the mandatory **CE mark**.

⚠️ What is at stake: Any non-compliant product can be forcibly withdrawn from the European market, accompanied by heavy financial penalties for manufacturers.

KEY REGULATORY REQUIREMENTS

The CRA imposes strict security obligations throughout the product's entire lifecycle, from initial design to end-of-life support (minimum 5-year support period).

1. Security by Design

Integrating robust security from the initial R&D phase (Secure Boot, cryptographic key management, hardware hardening).

2. Transparency

Continuous vulnerability monitoring, mandatory incident reporting, and providing a comprehensive Software Bill of Materials (SBOM).

3. Secure Updates

Ensuring the technical capability to deploy security patches and firmware updates reliably, swiftly, and securely over-the-air.

HOW SEASIDETECH SUPPORTS YOU

Your Local Engineering Partner for Technical Compliance

SeaSideTech helps you transform this regulatory constraint into a strategic competitive advantage. We provide direct technical and engineering intervention:

- **Eligibility & Classification Audits:** Determining if your product falls under the "critical" categories defined by the EU.
- **Technical Compliance Engineering:** Embedded systems hardening, secure boot implementation, and cryptographic key management.
- **Secure OTA Systems:** Designing and deploying robust Over-The-Air update frameworks to guarantee long-term legal compliance.

Why act now?

Achieving technical compliance for industrial or embedded products often impacts both hardware architecture and software design. Anticipating the CRA constraints today prevents costly, complex redesigns of products that are already actively in production.

SeaSideTech

Your Regional Expert in Cybersecurity & Embedded Systems

Contact us to evaluate the impact of the CRA on your product catalog.

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