



Navigating Emerging Cybersecurity Legislation

Cybersecurity requirement for product and system
certification

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As global connectivity increases every minute, so do cybersecurity concerns. This emphasizes the importance of evolving directives and legislation to secure our digital world



Overview of EU Cybersecurity Legislation

Cybersecurity Act (CSA)

- **Focus:** EU-wide cybersecurity certification framework
- **Importance:** Standardises ICT security certification across the EU
- **Timeline:** Start 27 February 2025 ^[7]
- **Difference from the CRA:** CSA schemes are voluntary; CRA is mandatory.

Cyber Resilience Act (CRA)

- **Focus:** Mandatory cybersecurity requirements for EU products with digital elements
- **Importance:** Enhances security, reduces vulnerabilities, and improves resilience
- **Timeline:** Signed 10 October 2024 ^[8]
- **Scope:** Applies to all new and some critical existing products

NIS2 Directive

- **Focus:** Expands NIS Directive to enhance cybersecurity in critical sectors
- **Importance:** Strengthens security and incident reporting in sectors like energy, transport, and health
- **Timeline:** Enforced Q3 2025 ^[5]
- **Difference from the CRA:** CRA focuses on product security; NIS2 on organizational and sectoral cybersecurity

Main Groups to manage incidents:

- Computer Security Incident Response Teams (CSIRTs)
- European Union Agency for Network and Information Security (ENISA)
- And others....



Cyber Resilience Act (CRA)

Compliance Requirements:

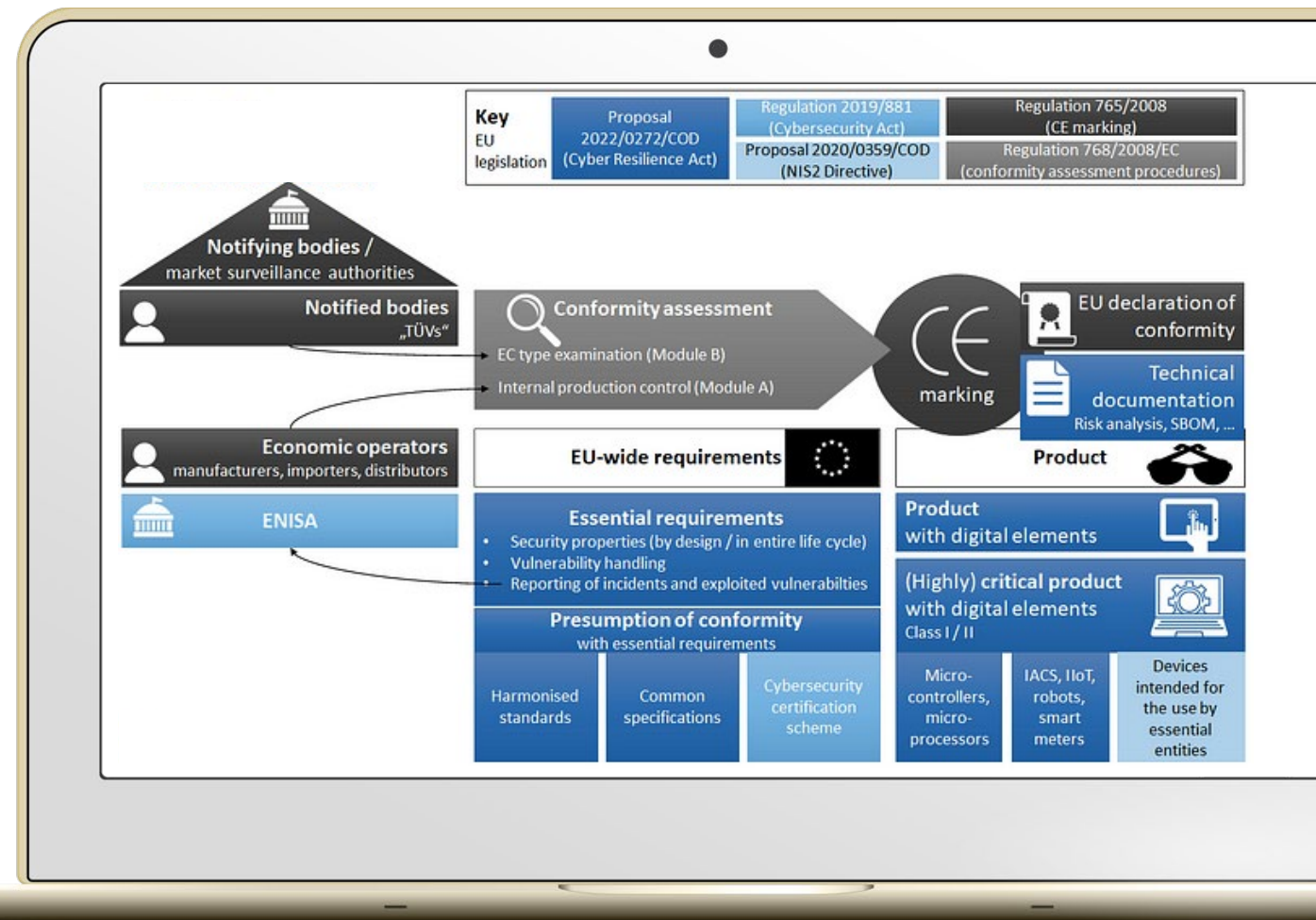
- Mandatory application of the directive requires products to be secure by design, secure by default, and incorporate means for regular updates.
- Self-declaration of compliance for most products, but with stringent documentation and evidence requirements.

Technical Challenges:

- Adapting existing products to meet new security requirements can be costly and complex.
- Implementing effective mechanisms for vulnerability reporting and handling.

Transitional Implications:

- Transitioning from current practices to full compliance with CRA involves updating or redesigning products, which could be resource-intensive.
- Understanding and implementing European Harmonized Standards across products and systems.



CRA: Class I and II Overview and Types of Product Affected

Type of product	Class	Criticality	Risk Level	Relevant standards/certification paths to comply with CRA
Meters (Gas, water meters, etc.)	Class I/ Class II*	Critical Infrastructure Device	Higher Risk	IEC 62443, (EU)CC (ISO/IEC 15408), SESIP + Additional NMI Evaluations
Temperature and Pressure Transmitters/Sensors	Class I/ Class II*	Critical Infrastructure Device	Moderate to Higher Risk	IEC 62443, (EU)CC (ISO/IEC 15408), SESIP + Additional NMI Evaluations
Flow Computers / PLCs / SCADA	Class I/ Class II*	Critical Infrastructure Device	Higher Risk	IEC 62443, (EU)CC (ISO/IEC 15408), SESIP + Additional NMI Evaluations

*depending on the application & use of essential entities

How Can NMI Help?

Compliance Checklist

Ensure your products meet all regulatory requirements with our detailed compliance checklist

In-Depth Training on Upcoming Legislation

Equip your team with the needed knowledge through our comprehensive training on how the legislation will affect your products

Documentation Review

Thorough product documentation review to ensure it aligns with the latest regulatory standards

NMi Blue Seal Certification

Get confidence in your product's compliance ahead of the official date

Why Choose NMI?



Tailored Support

Services customized to your products and business needs

Reducing the time to market

Expert Guidance

Deep industry expertise and understanding of complex regulatory landscapes

Risk reduction on compliancy

Proactive Compliance

Stay ahead with proactive compliance strategies that minimize risk and enhance product security

Device knowledge

Comprehensive device and portfolio knowledge and to make NMI a total solution provider



Measuring
tomorrow



Trusted Technical Experts

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Advice

Insight for 1st-time success once development reach testing and approval

Test

Examine measurement devices & components for critical compliance and qualification requirements

Inspect

Ensure mass production quality and identify critical issues before product market entry

Certify

Dispense trusted NMI seal of approval for market access to Europe, the UK and beyond

Calibrate

Evaluate and adjust the precision and accuracy of vital equipment