QRTECH
an EMBRON Company

CRA compliance checklist

by QRTECH

Ensuring the security and resilience of products with digital elements is more critical than ever. The Cyber Resilience Act (CRA) sets a rigorous standard for manufacturers, importers, and distributors in the EU, mandating essential cybersecurity measures throughout a product's lifecycle. But compliance is more than a regulatory obligation – it's a commitment to building trust and protecting your users.

Now, are your products ready for CRA compliance?

Does it safeguard data integrity and confidentiality at every stage?

Are your communications encrypted in line with industry standards?

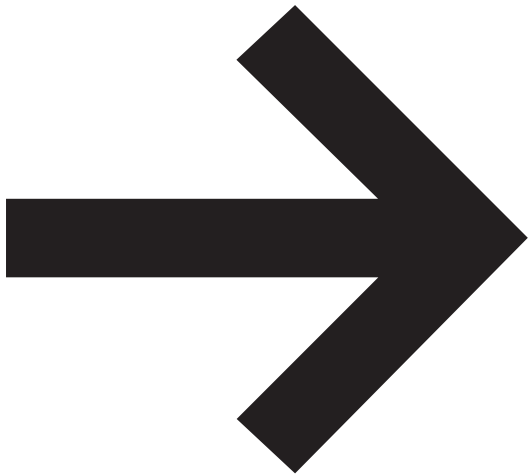
Do you have robust processes for vulnerability management, including updates and patching?

At QRTECH, we bring deep expertise in cybersecurity and regulatory compliance, now bolstered by our ISO 27001 certification, to support you in navigating the complexities of CRA compliance.

From comprehensive risk assessments to lifecycle management, our tailored services ensure your products meet and exceed the requirements.

This checklist is your starting point

With this basic CRA checklist you can evaluate your readiness and identify gaps. Then you can leverage our capabilities to achieve full CRA compliance. Let's secure your success together.



The checklist (1/2)

1.

Comprehensive risk assessment, secure product design and development

- ☐ Conduct a detailed security risk assessment of the product, its architecture and components to identify threats and vulnerabilities.
- ☐ Implement security development processes incorporating risk management and threat modelling in the design phase. Utilize industry standards such as ISA 62443 4-1.
- ☐ Follow best practices in cybersecurity by design, ensuring compliance with standards such as ISA 62443 4-1 and ETSI EN 303 645 for consumer IoT devices.

2.

Robust incident and vulnerability management

- ☐ Establish an incident reporting mechanism to meet the reporting requirements for exploits/incidents and exploitable vulnerabilities of the CRA within the mandated deadlines.
- ☐ Implement continuous proactive patching, and updates, leveraging QRTECH's application management (AM) services.
- ☐ Use our expertise in creating and managing mandatory Software Bill of Materials (SBOM).

3.

Documentation and certification support

- ☐ Create detailed technical documentation, including risk assessments, architecture diagrams, user manuals and SBOM.
- ☐ Prepare for CE marking and assisting in creation of Declaration of Conformity by ensuring products meet conformity requirements through self-assessment or third-party review.
- ☐ Maintain a compliance roadmap, updated as regulations or standards evolve.

The checklist (2/2)

4.

Technical implementation and updates

- ☐ Apply QRTECH's HW and SW remediation services to meet CRA requirements, including secure firmware updates and secure feature implementation.
- ☐ Use the ETSI EN 303 645 standard to address secure component requirements.

5.

Lifecycle support and SLA services

- ☐ Leverage QRTECH's structured AM/SLA offerings for continuous compliance, including:
  - Regular security audits and annual CRA compliance checks.
  - Ongoing vulnerability patching.

6.

Training and knowledge sharing

- ☐ Participate in QRTECH's CRA workshops to prepare your team for managing CRA documentation, threat modelling, and gap analysis.
- ☐ Leverage QRTECH's expertise in standards like ISO 27400, ISA 62443, and EN ETSI 303 645 to enhance your in-house cybersecurity practices. As well as QRTECH secure development process and facilities which is ISO 27001/2 certified.

How QRTECH can guide and elevate your CRA journey

With deep expertise in standards like ETSI EN 303 645, IEC 62443 and ISO 27001, we can ensure that your product development aligns with the latest cybersecurity benchmarks.

1. Seamless implementation

Our team excels in the hardware and software implementation of security solutions, ensuring your products meet the CRA's rigorous requirements for security by design and by default.

2 .Testing and gap analysis

We conduct pre-compliance testing and gap analysis to identify and close vulnerabilities before official assessments.

3. Application Management and ongoing support

QRTECH doesn't just help you achieve compliance; we provide lifecycle management services to keep your products secure and compliant post-market.

4. Workshops and training

Tailored sessions to equip your team with the skills to manage CRA documentation, implement best practices, and maintain compliance.

Ready to navigate the CRA with confidence?

Contact us and let us guide you and transform CRA compliance challenges into competitive advantages.

Let's talk CRA.

QRTECH is one of the few independent design and development houses in the Nordics within electronics and software. We function as an agile and powerful complement and support to established R&D departments, and as an enabler for fast-growing companies and scale-ups.

We see ourselves as a Technology Pathfinder. We guide, help and develop leading edge competitive solutions for our customers – from the initial idea to full-scale production.

QRTECH is a wholly owned subsidiary within the Embron Group – a global corporation offering high-tech services, products, and manufacturing.

info@qrtech.se
+46 (0) 31 773 76 00

Flöjelbergsgatan 1C
SE-431 37 Mölndal

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