



Safe is securing your products and processes



Cyber security evaluation & certification

When people use technology, keeping them secure and creating trust are two key challenges, both now and in the future. That is why cyber security has become essential in every market. Ensuring an adequate level of cyber security in Internet of Things (IoT) devices, vehicles and infrastructure is vital for safeguarding consumers in a connected world.

Our services

Have you considered tackling your cyber security challenges through product cyber security evaluations and certification? Our cyber security experts can help. We provide third-party testing and certification in line with widely accepted security standards, providing independent proof that your products comply with the most stringent cyber security requirements.

Our services apply to the whole product life cycle, from design to maintenance:

- > Vulnerability assessment and penetration testing before and after product launch
- > Certification against widely accepted cyber security standards
- > Cyber security surveillance and maintenance during the entire product life cycle

DEKRA Cyber Security Package

Depending on your product and market, you may have a number of specific cyber security challenges. The DEKRA Cyber Security Package aims to secure your products, processes and systems by means of thorough product cyber security evaluations and certification.

Our cyber security experts will design a tailor-made cyber security package according to your specific needs and challenges, optimized to offer you the best possible support. With just one contact person to guide you throughout the process, we will take away any

last doubts that prevent you from working on a comprehensive implementation of cyber security best practices.

Our experts have run tailored cyber security packages for various markets, among which automotive, ICT and healthcare.

Cyber security open evaluation

DEKRA's security framework provides an in-depth analysis of the potential weaknesses, vulnerabilities and security gaps in a product and its ecosystem. This framework evaluates more than 200 scenarios covering hardware, communication protocols, mobile applications and cloud services.

In addition, at DEKRA we perform vulnerability assessments and penetration testing as part of product cyber security evaluations. The findings and recommendations are presented in a clear report, and the evaluation can be repeated after the customer has made relevant improvements.

Cyber security certification

Third-party certification according to security standards provides independent proof that your products and processes comply with stringent cyber security requirements or standards.

DEKRA's acquisition of Epoche & Espri has extended our portfolio and we now also offer certification according to Common Criteria (ISO 15408), FIPS 140-2 and ISO 19790. Common Criteria is an internationally recognized evaluation standard which defines a



common framework for evaluating security features and capabilities of information and communication technology (ICT) products.

FIPS 140-2 is a US and Canadian security standard for crypto modules to assure end users of a high degree of security and reliability. ISO/IEC 19790:2012 sets the security requirements for cryptographic modules used in a security system that protects sensitive information in computer and telecommunication systems.

At DEKRA, we are also recognized to assess and certify products against standard IEC 62443 following the latest cyber security requirements in industrial automation. Complying with the requirements from the IEC 62443 series of standards helps organizations prepare for the implementation of the new NIS Directive (Security of Network & Information Systems).

International competence center

At our international Cyber Security Competence Center, we make sure that we stay up to date by continuously conducting research and development (R&D) into new vulnerabilities and attack methods. We also work to develop new security profiles for many types of products.

In addition, we are a member of standardization committees and working groups that develop basic security standards and security requirements.

Our cyber security services are designed for:

- > vendors
- > manufacturers
- > system operators in sectors including consumer products, ICT, automotive, energy, industry, healthcare and retail.

We have one of the largest cyber security evaluation and certification labs in the world. In our lab, a dedicated and experienced team of security evaluation engineers works on safeguarding your devices, processes and systems every day.

With over ten years of experience in Common Criteria, FIPS-140 certification, penetration testing, R&D in new vulnerability attack methods and our experience in product security evaluations, we help you meet your most important cyber security challenges.

Some of our accreditations & recognitions

- Common Criteria/ISO 15408
- FIPS 140-2
- ISO 19790
- IEC 62443
- ISO 27001
- Achilles Communication Certification
- 3GPP TR 33.916, TR 33.116, TR 33.117
- eIDAS certification body

About DEKRA

DEKRA has been active in the field of safety for more than 90 years and is one of the world's leading expert organizations in testing, inspection and certification. Our qualified and independent experts work for safety on the road, at work and at home. Among other things, they test and certify consumer, industrial, automotive and ICT products, as well as medical devices and products used in explosive atmospheres, for worldwide markets. Our smart combination of safety and connectivity testing gives you the edge in a world where products need to work with everything else. That's what makes DEKRA your partner for a safe connected world.

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