

ESCRYPT security test consulting

Mastering security testing



Developing the best security testing strategy for your company

With increasing connectivity and automation, IT security functions have long become a critical business success factor. Security testing is one of the key components of a solid, holistic cybersecurity approach. It uncovers exploitable flaws and vulnerabilities in the hardware or software implementation of a target and reduces safety, financial, operational, and legal risks.

Ensuring regulatory compliance through security testing

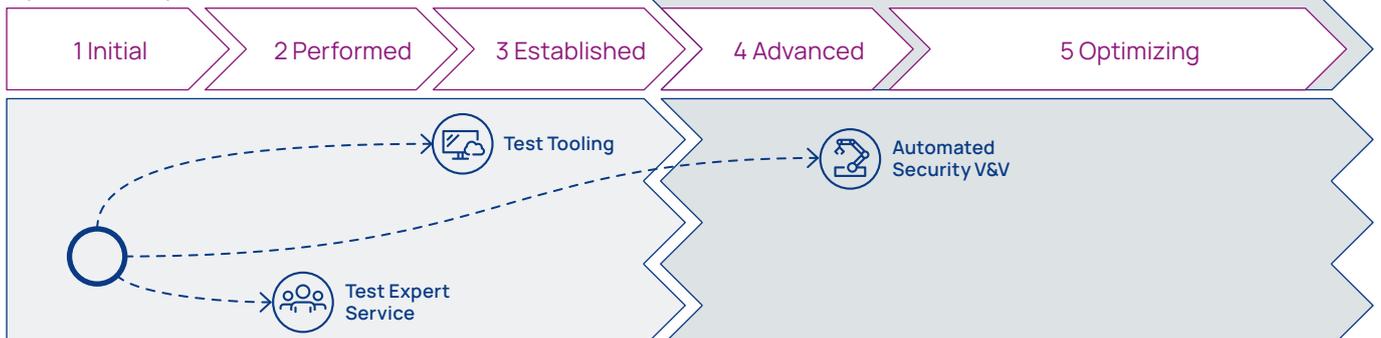
Navigating international and local regulations such as UN R-155, ISO/SAE 21434, or regional guidelines alongside the diverse testing options, can be challenging. Our security experts specialize in developing individualized security

testing strategies to address these complexities effectively.

Customized support based on your needs

ETAS is your trusted partner for all your security testing inquiries and crafting the optimal strategy for your company and your product. We assist you in establishing and evaluating your cybersecurity validation and verification activities, ensuring compliance with global regulations such as CS homologation (VTA). Tailoring our support to match the cyber maturity level of your company, we guide you precisely where assistance is needed most, facilitating the development of a customized testing strategy aligned with your requirements.

Cyber maturity levels



We tailor our support to your company's cyber maturity level, guiding you to develop an efficient testing strategy that perfectly is in line with your organizational needs and cybersecurity goals.

ESCRYPT security test consulting at a glance

We provide flexible security testing consulting services, including a range of tailored options and trainings, allowing you to select according to your specific requirements:

Service overview

- Individual consulting (e.g. methods, tools, expertise)
- Development of an individual cybersecurity testing strategy, esp. with regards to international and local regulations, fitting to the needs of your organization
- Gap analysis to ensure compliance with global regulatory frameworks
- Competency and skill management of your employees and suppliers
- Test laboratory and equipment setup
- Trainings and workshops
- Ongoing support incl. test shadowing, tailored to your needs

Basic training: Security testing

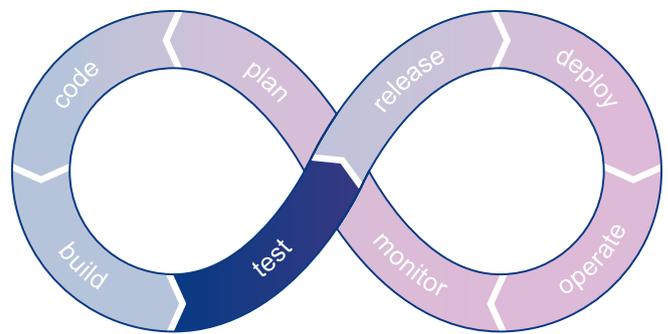
- Classroom training to provide an introduction into the security testing lifecycle of ISO/SAE 21434, typical testing methods, principles and more
- Participants: Product managers, project managers, test managers, and security managers who need to establish a solid understanding about security testing methods and how to apply them throughout the development lifecycle

Advanced coaching: Capture-the-flag-workshop

- Provides you with a close to reality environment to exercise your automotive security skills. In different challenges based on real life applications and scenarios, you will simulate offensive security engagements.
- Participants: Security managers, product managers or project managers, system engineers, software engineers, hardware engineers and developer who have technical understanding on engineering level and want to get a hands-on introduction to automotive cybersecurity testing

Advanced coaching: Gap analysis workshop

- Tailor-made workshop, adapted to your current strategy and testing maturity level
- We support in the set-up of new processes based on common testing strategies, current regulations, and industry standards
- We support in providing reviews, guidance, and fine-tuning of well-established processes
- Participants: Stakeholders and decision makers of cybersecurity and testing strategy



Security testing is crucial throughout the entire DevOps cycle to identify and mitigate vulnerabilities, ensuring the robustness and resilience of the software ecosystem.



Your benefits with ESCRYPT security test consulting

- Learn to understand and master the complexity of security testing
- Increase the cyber-resilience and security-level of your products by finding loopholes, before someone else does
- Identify the points of strength and the points of improvement in your organization and security testing strategy
- Understand international regulations and guidelines and their consequences
- Benefit from support in setting up your own internal cybersecurity validation & verification activities and obtaining vehicle type approval for various target markets
- Receive ongoing support depending on your company's requirements

Are you interested in ETAS products and solutions?
Please write to us at: info@etas.com

Further product information:
go.etas.info/security-test-consulting