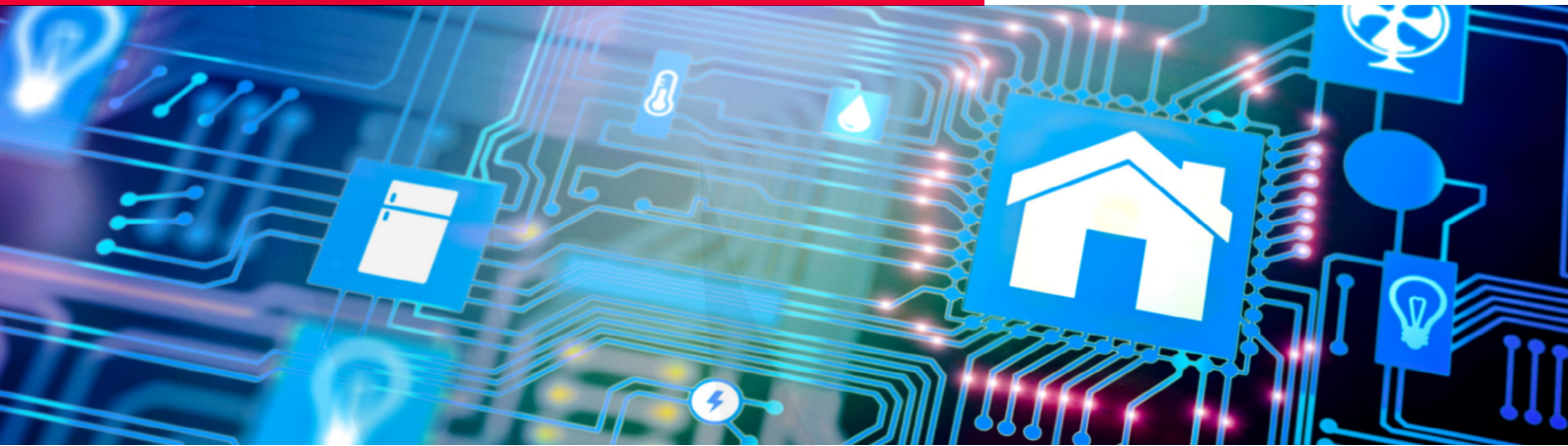


# IOT SECURITY TESTING AND CERTIFICATION



*The IoT domain is increasing at an accelerating speed across existing verticals, while at the same time expanding and interconnecting with new domains. In this dynamic environment, security threats need to be addressed structurally and simultaneously from an early design stage. Secura offers testing and certification services from various internationally recognized standards, allowing manufacturers and developers to stay in control of their security.*

## INSIGHT INTO YOUR DIGITAL SECURITY








Secura has worked in information security and privacy for over two decades. This is why we uniquely understand the challenges that you face like no one else and would be delighted to help you address your information security matters efficiently and thoroughly. We work in the areas of people, processes and technology. For our customers we offer a range of security testing services varying in depth and scope.

**As the Internet of Things (IoT) becomes a more and more popular concept, the market gets gradually populated with so called "smart" devices.** These devices offer possibilities of connectivity (directly to the Internet or to other "smart" devices), thus enhancing their performance capabilities as well as the user experience. Because of this interconnectivity aspect, IoT products can also be seen as gateways between the public space (the Internet) and the personal networks of the end users. Considering this, it is easy to see why attacking a weak IoT product would be an attractive and easy way of getting access into a network, thus being able to access all the assets inside the network.

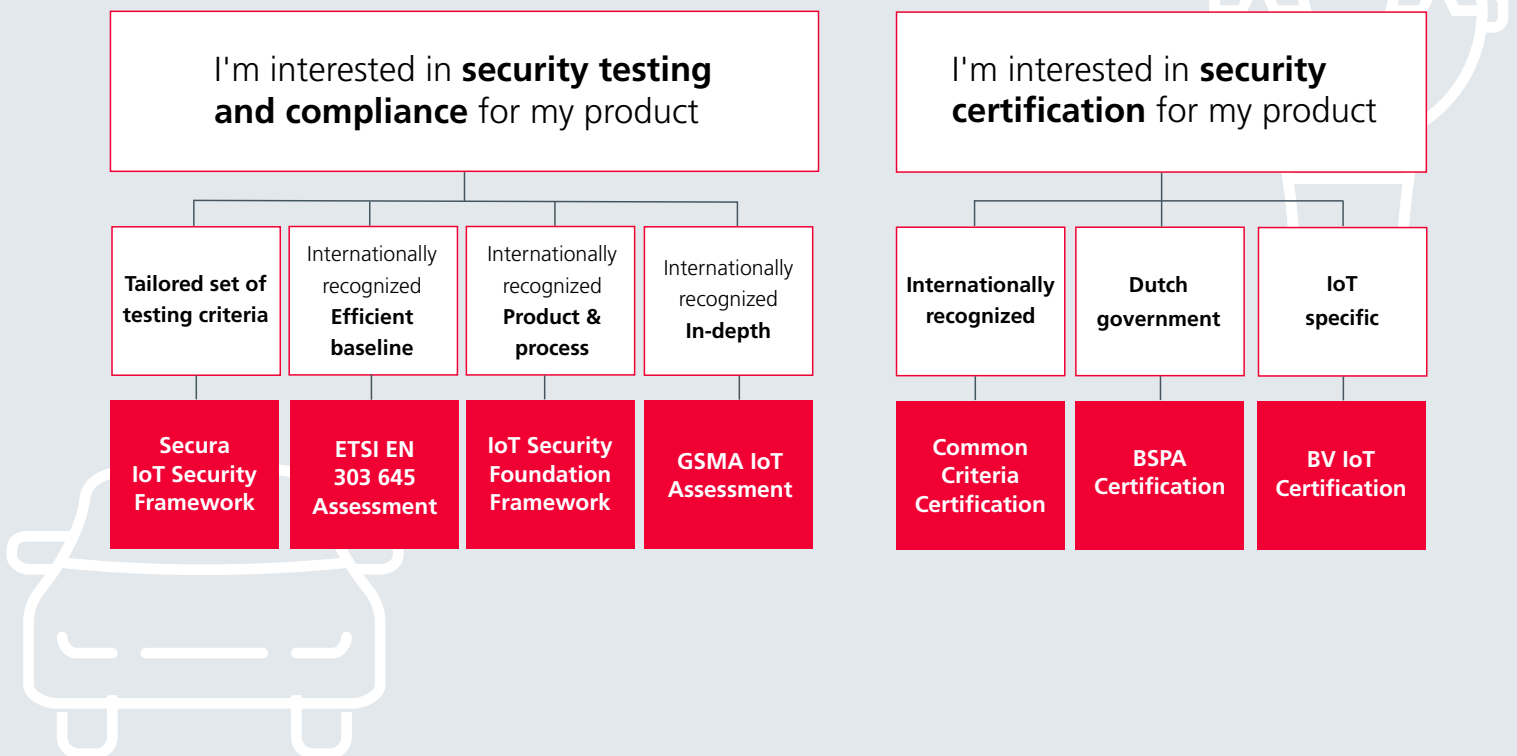
Secura is actively involved in the domain of IoT security and up-to-date with all the developments concerning standards, regulations and certifications. Our specialists strongly believe that IoT security can be better addressed by relying on internationally recognized requirements and metrics. Secura has therefore compiled a list of recommended IoT security testing and certification services.



## Testing & Certification Services for IoT

Testing		Certification	
<p><b>Secura IoT Security Framework</b></p> 	<p>Tailorable assessment focused on state of the art standards (IoT Security Foundation, IEC 62443, OWASP, GSMA).</p>	<p><b>Common Criteria Certification</b></p> 	<p>Internationally recognized security certification scheme, <b>covering all types of IT products.</b></p>
<p><b>ETSI EN 303 645</b></p> 	<p>Assessment based on highly recognized European Norm – base for future EU IoT certification.</p>	<p><b>BSPA Certification</b></p> 	<p>Dutch certification scheme granting access to Dutch Government and market.</p>
<p><b>IoT Security Foundation</b></p> 	<p>Assessment based on internationally recognized framework focusing on security, privacy and secure processes for IoT products.</p>	<p><b>BV IoT Certification</b></p> 	<p>IoT evaluation services in line with the BV IoT Labelling scheme. The scheme is based on the ETSI EN 303 645 standard, and will result in an official label for your product.</p>
<p><b>GSMA</b></p> 	<p>Assessment based on internationally recognized framework focusing in-depth on hardware and software security.</p>		

## Which Service Do You Need?



# Testing Services

## SECURA IOT SECURITY FRAMEWORK

- ▶ Proprietary IoT security assessment framework, **developed by combining relevant requirements from several state of the art publications, such as IEC 62443, IoT Security Foundation, GSMA IoT Assessment and OWASP IoT requirements.**
- ▶ Allowing customers to **tailor the evaluation criteria**, focusing specifically on certain security topics, requirements or points of interest.

## ETSI EN 303 645 COMPLIANCE

- ▶ Security Technical Specification, providing a **baseline of security requirements, addressing both technical and process related aspects** related to a considered product.
- ▶ **EU level recognized framework**, future base for EU IoT harmonized certification.
- ▶ Efficient way of addressing the security of the products, while at the same time offering **international recognition.**

## IOT SECURITY FOUNDATION COMPLIANCE

- ▶ Relevant for manufacturers interested in obtaining a **combined assessment, covering both technical aspects on the target product, as well as process related requirements**, such as privacy, supply chain or configuration management.
- ▶ The IoT SF framework gained impressive interest in the European cybersecurity landscape, being recognized by many security related organizations.
- ▶ Following the framework allows the manufacturer to make use of the IoT SF Best Practices badge, thus highlighting the security of the product and increasing market value.
- ▶ Secura is one of the IoT SF member security laboratories, constantly involved in the analysis and update of the IoT SF Compliance Framework.

## GSMA IOT COMPLIANCE

- ▶ Relevant for manufacturers looking for a **more in-depth technical assessment on the target product.** The security requirements in this framework cover various design stages of the product, starting with the root of trust, all the way to the IoT application level.
- ▶ The GSMA checklist is highly recognized internationally in the domain of security.
- ▶ Secura is one of the GSMA recognized security laboratories which can deliver this type of compliance service.



## Certification Services

### COMMON CRITERIA CERTIFICATION

- ▶ International certification scheme, offering significant visibility and market recognition.
- ▶ Recognition of certificates under EU, USA, Australia, UK, Asia, etc.
- ▶ Various levels of certification possible.

### BSPA CERTIFICATION

- ▶ Dutch certification scheme, mandatory for providing products to Dutch governmental organizations and ministries
- ▶ Fixed (25 days) evaluation time-frame, providing for efficient and time-predictable evaluations.
- ▶ “Light” version of Common Criteria, often offering an efficient stepping stone for follow-up Common Criteria evaluations.

### BV IoT CERTIFICATION

- ▶ Certification program providing an efficient assessment of consumer IoT products.
- ▶ Testing based on multiple categories, including software, interfaces, communication security, key management, etc.
- ▶ Resulting in official security label for your product.

Would you like to know more about testing and/or certifying your IoT product?

Contact us today to discuss our services in more detail and find out which service fits your product best.



### Interested?

Contact us today:

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