



Consumer Products - 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. Bureau Veritas Cybersecurity offers testing and certification services from various internationally recognized standards, allowing manufacturers and developers to stay in control of their security.








As the Internet of Things (IoT) becomes a more and more popular concept, the market gets gradually populated with so called “smart” devices.

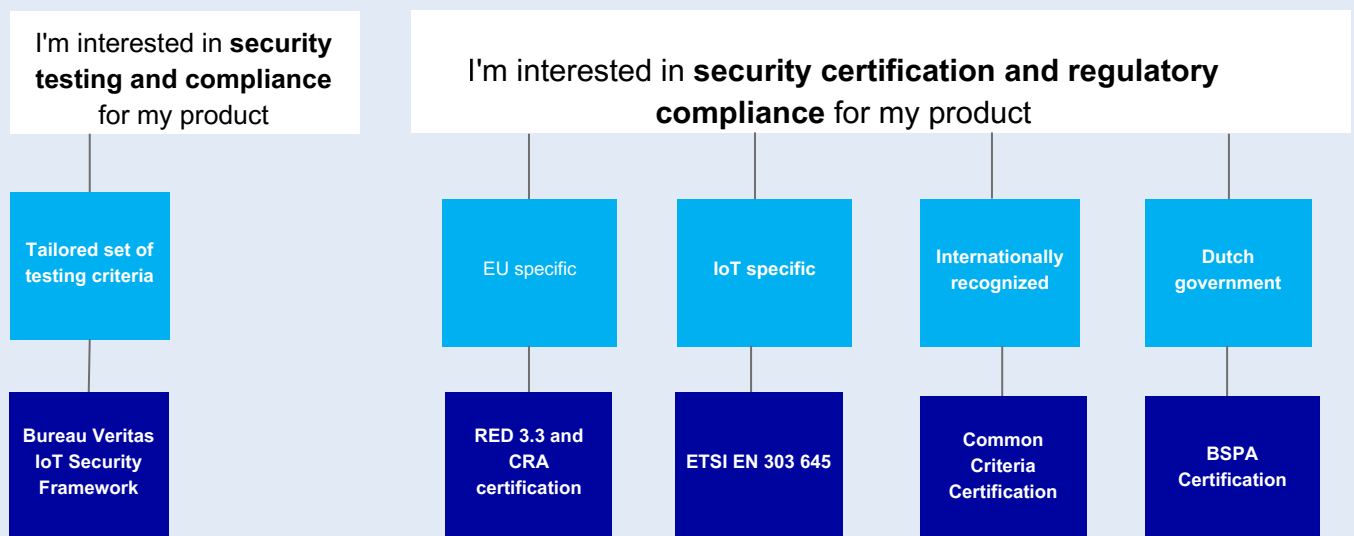
These devices offer possibilities of connectivity (directly to the Internet or to other “smart” devices), thus enhancing their performance capabilities as well as the user experience. Because of this interconnectivity aspect, IoT products can also be seen as gateways between the public space (the Internet) 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.

Bureau Veritas Cybersecurity 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. Bureau Veritas Cybersecurity has therefore compiled a list of recommended IoT security testing and certification services.

Testing & Certification Services for Consumer Products

Testing		Certification	
Bureau Veritas IoT Security Framework 	Tailorable assessment focused on state of the art standards (ETSI 303 645, IEC 62443, OWASP, GSMA).		Assessment and certification based on RED 3.3 and CRA regulations.
		ETSI EN 303 645 	Certification based on most relevant consumer IoT security standard
		Common Criteria Certification 	Internationally recognized security certification scheme, covering all types of IT products
		BSPA Certification 	Dutch certification scheme granting access to Dutch Government and market.

Which Service Do You Need?





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Testing Services

Bureau Veritas IoT Security Framework

- Proprietary IoT security assessment framework, **developed by combining relevant requirements from several state of the art publications, such as IEC 62443, ETSI EN 303 645, GSMA MDSCert and OWASP IoT requirements.**
- Allowing customers to **tailor the evaluation criteria**, focusing specifically on certain security topics, requirements or points of interest.

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.

ETSI EN 303 645 Certification

- Security Technical Specification, providing a baseline of security requirements, addressing both technical and process related aspects related to a considered product.
- EU level recognized standard.

RED 3.3 and CRA compliance and certification

- State of the art EU regulations mandating minimum security controls in IoT products
- Resulting certificate can be used as basis for CE declaration

Why choose Bureau Veritas

Bureau Veritas Cybersecurity is your expert partner in cybersecurity. We help organizations identify risks, strengthen defenses and comply with cybersecurity standards and regulations. Our services cover people, processes and technology, ranging from awareness training and social engineering to security advice, compliance and penetration testing.

We operate across IT, OT and IoT environments, supporting both digital systems and connected products. With over 300 cybersecurity professionals worldwide, we combine deep technical expertise with a global presence. Bureau Veritas Cybersecurity is part of the Bureau Veritas Group, a global leader in testing, inspection and certification.



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.



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