

CYBERSECURITY TESTING & CERTIFICATION



```

//it became hidden
t.appeared = false;
return;
}

//is the element inside the visible window?
var a = w.scrollLeft();
var b = w.scrollTop();
var o = t.offset();
var x = o.left;
var y = o.top;

var ax = settings.accX;
var ay = settings.accY;
var th = t.height();
var wh = w.height();
var tw = t.width();
var ww = w.width();

if (y + th + ay >= b
    y <= b + wh + ay
    x + tw + ax >= a
    x <= a + ww)

```

CONTEXT

MORE USERS

- More than 4 billion people are connected to the Internet

MORE CONNECTIONS

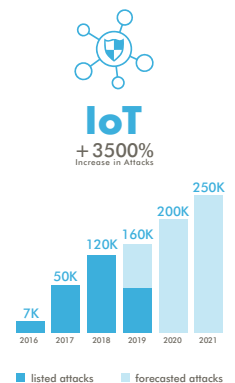
- By 2020, around 50 billion connected products and technologies will be launched into markets

MORE WEAKNESSES

- Rise of security gaps

MORE EXPOSED TO CYBERATTACKS

- Hacking
- Electronic theft
- Privacy & data vulnerabilities

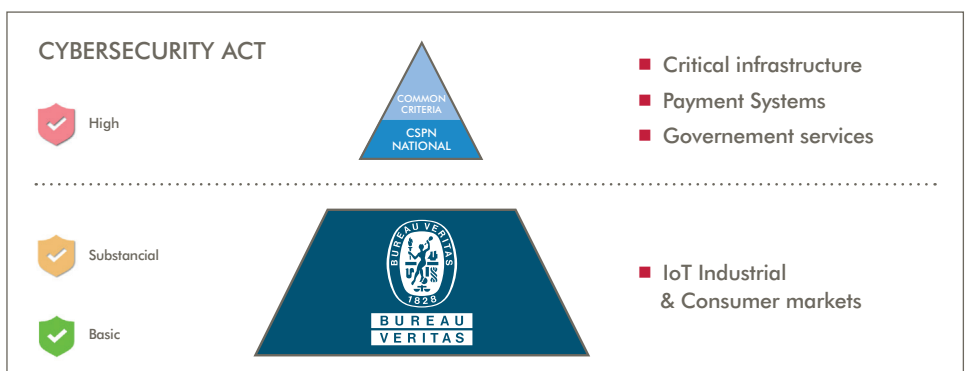


IOT CYBERSECURITY, A CRITICAL MARKET REQUIREMENT WITH FRAGMENTED STANDARDS & REGULATION

The Cybersecurity Act was adopted by the Members of the European Parliament (MEPs). This new EU Regulation gives ENISA, the European Union Agency for Cybersecurity, a permanent mandate and strengthens its role. The Act also establishes an EU framework for cybersecurity certification, boosting the cybersecurity of digital products and services in Europe.



**BUREAU
VERITAS**



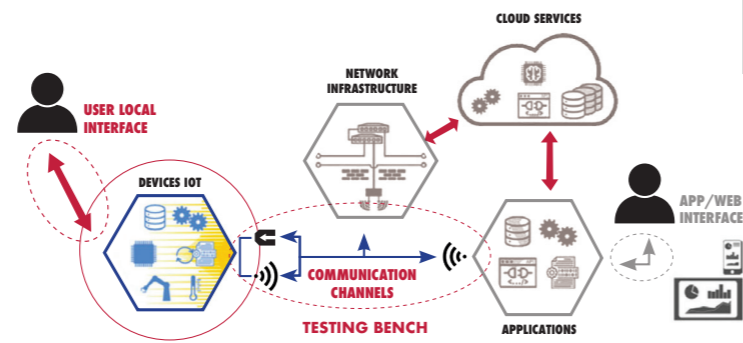
IoT NEED SECURITY ASSESSMENT



**LCIE BUREAU VERITAS
PACKAGES ALLOW YOU TO HAVE
A SAFE AND COMPLIANT PRODUCT**

STANDARDS & GUIDELINES

- IEC 62443
- OWASP - TOP 10 for IoT
- ETSI - TS 103 645
- EUROSART IoT ScS
- CTIA
- CVE database of known vulnerabilities/cve.mitr.org



ASSESSMENT & CERTIFICATION SERVICES

LCIE Bureau Veritas provides services to help you through the various steps of providing secure products, from identifying security requirements to validating and issuing the most relevant certificate.

1 TRAINING

- Initial phase of cybersecurity deployment
- Cybersecurity concepts
- Definition of a cybersecurity strategy

2 EXPERTISE & TECHNICAL ASSISTANCE

- Risk Analysis & Security
- Definition of the security profile

3 ASSESSMENT & TESTING

- Identification of security function & Risk assessment
- Testing against known vulnerabilities (CVE scheme) through PSCAN tool
- Others vulnerability Scanners, PCB attack, Binary Reverse Engineering
- Penetration testing (pentests) & Fuzzing



4 CERTIFICATION



IoT CYBERSECURITY CERTIFICATION

Bureau Veritas assessment is applicable to all IoT devices for the CSA Basic Level. Covers the requirements of key standards and guidelines applicable to the Basic Level.

- OWASP –TOP 10 for IoT
- ETSI – TS 103 645
- CTIA – IoT Cybersecurity Certification

Possibility of issuing a certificate of conformity according to the Bureau Veritas referential and the references mentioned above.

EUROSMART IoT CERTIFICATION SCHEME

Eurosmart has been developing its own certification scheme for IoT devices with a focus on the Substantial security assurance level, based on this regulation.

Its framework as defined by the European Cybersecurity Act, enables their users to ascertain the level of security assurance (basic, substantial and high), and ensures that these security features are independently verified.

Bureau Veritas as Eurosmart's pilot projects, can deliver Eurosmart certificates.

www.eurosmart.com



IEC 62443

The IEC 62443 is the KEY standard for cybersecurity which was originally developed for Industrial Automation & Control Systems. Today, it has been adopted by many sectors such as: Railway, Smart building, Smart city, Energy, Utilities, etc.

LCIE Bureau Veritas is recognized as NCB (National Certification Body) to issue certificates under IECCE for industrial automations and control products and systems.

www.iecee.org



WHY CHOOSE LCIE BUREAU VERITAS?

- A unique cybersecurity testing service
- An innovative service for a quick evaluation
- A dedicated assistance
- Third Party Laboratory providing impartiality, consistency and confidentiality
- A strong partnership with cybersecurity experts, CEA Leti - ANSSI listed



L C I E



YOUR
CONTACTS

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