CYBERSECURITY STARTS WITH THE RIGHT APPROACH

People, process and technology align.

By the end of 2017, about 8.4 billion connected devices will be in use across the globe[1]. With all that connectivity, our customers know that cyber-secure devices aren't a "nice to have" — they're an absolute must!

Cybersecurity is a key aspect in the lifecycle of our products and services. The team we've assembled at the Cybersecurity Center of Excellence aligns our talented people with

8.4 billion connected devices by the end of 2017

best-practice processes and modern technologies, creating a program that trains others and helps our customers avoid the dangers of cyberattack.

Training is key to our DNA

Customers rely on Eaton to understand, dissect and alleviate cybersecurity risk. It starts with dedicated people. Our team members meet and exceed competencies recognized by international standards organizations because of in-depth technical training programs. Customers can be confident management, engineering and testing personnel have the knowledge and capabilities to address advanced cyber threats.

Our processes unify testing

Our cybersecurity integration processes guide the way our labs, procurement, design, implementation and testing teams operate effectively. We manage cybersecurity risks in products through a Secure Development LifeCycle (SDLC) with protocols in place; by way of threat modeling, requirements analysis, implementation, verification and ongoing maintenance, you can count on Eaton to manage risks throughout the entire product lifecycle.

We are at the height of high tech

With a combination of industry-standard technologies and custom tools to test devices, we go beyond what's expected. Through customized vulnerability analysis, malware detection, static and binary code analysis, protocol fuzzing, automatic software testing, and automated static and dynamic testing, we offer a complete framework that enables you to measure, classify and reduce risk.

A continuous journey to safeguard solutions.

With trained people, thorough processes and sophisticated technologies in place, our SDLC program safeguards products across the entire product development lifecycle.

The SDLC framework spans the life of a device, from its inception to deployment and maintenance phases.

With continuously evolving system complexities, threat scenarios and technology, security is a continuous journey. Our approach provides control and management throughout all phases of integration.

1 Get to know the device
Eaton collects important background information from product teams to initially classify the product, whether the device tested is a sensor, actuator, field device or system.

2 Learn how it's built
There are all sorts of products in the market, with countless components, interfaces and protocols. We review the architecture of the products, identifying physical interfaces, protocols, data flows, deployment contexts and access scenarios. All this helps Eaton set the stage for discovering where risk may hide.

3 See where risk may lie
We methodically examine every facet of the product and then create threat models to identify conceivable cybersecurity issues that may be a concern in the customer environment. With our findings in hand, we finalize cybersecurity requirements.

Get to know the device → Learn how it's built

Cybersecurity assessment process

Confirm security

See where risk may lie

Work to Remove risk

4 Work to remove risk
We take a series of precise steps to make sure the requirements identified — like security design, code reviews and product cybersecurity assessments — are correctly applied. We align our findings with the requirements framework to confirm we meet the product's cybersecurity goals. We then document secure hardening and deployment guidelines according to industry best practices.

5 Confirm security
We ensure our requirements and findings from product assessments enable developers to fix any bugs discovered and develop a process to address any future vulnerability discovered in the field.
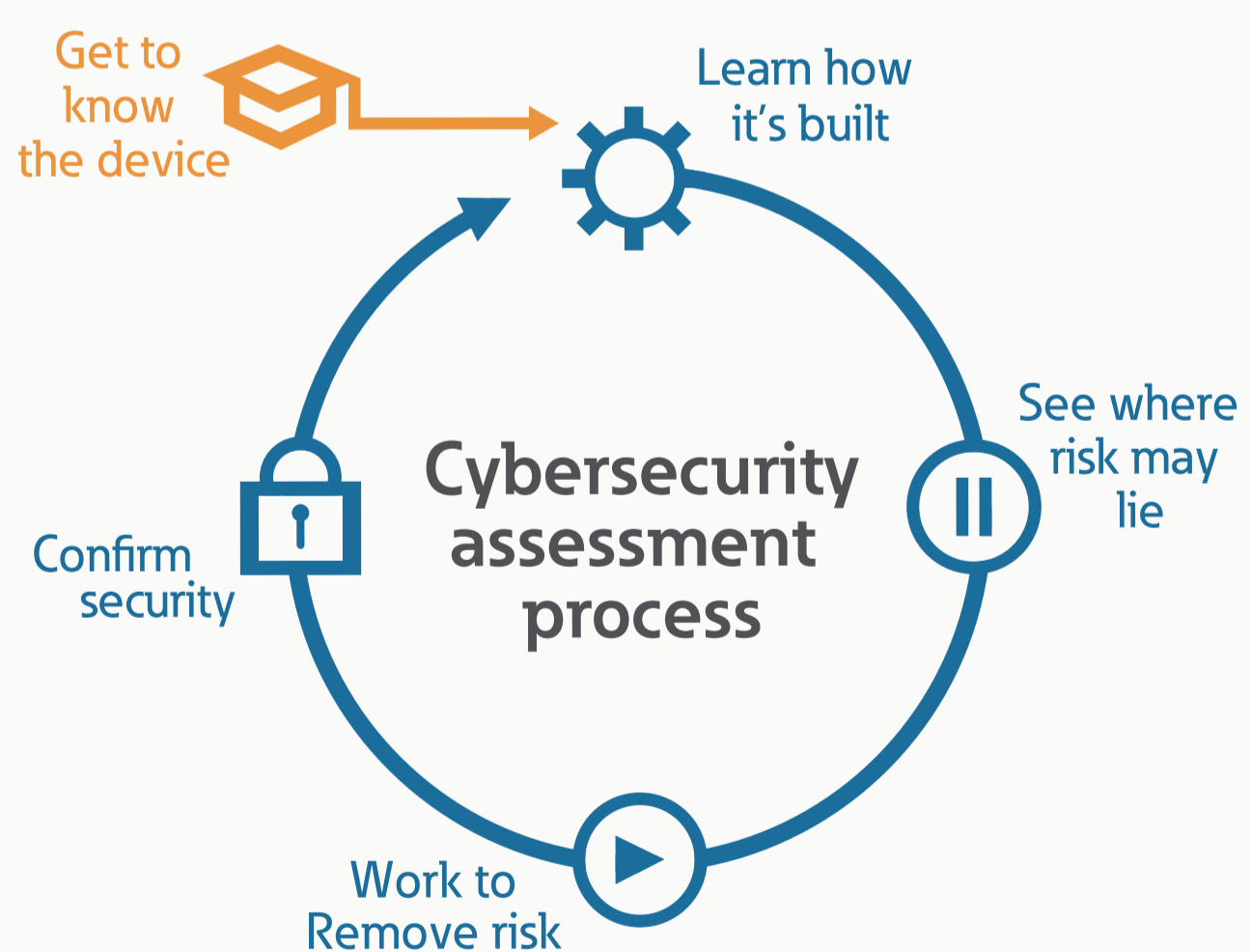
Eaton can help secure your connected environment.

You can rely on Eaton for the latest connected-network thinking, best practices and advanced technologies needed to address cybersecurity risk.

Discover how we can help you build secure cyber solutions in your network environment.

Eaton.com/cybersecurity

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Powering Business Worldwide