

# IoT Cybersecurity & Certification Trainings

| *Your best companion to strengthen your cybersecurity resilience and capacity* |

*The IoT is a new concept that has emerged over the last few years. It has done so naturally, due to the evolution of computing and comes with its own challenges. The threats and risks related to the IoT devices, systems and services are manifold, and evolve rapidly. Given the large impact it has on citizens's safety, security and privacy, the challenges around all things IoT are plentiful. It becomes crucial to understand what needs to be secured and to develop specific security measures to protect the Internet of Things from cyber threats.*



Manufacturing



Industrial



Transportation



Housing



Education



Communication



Entertainment



Healthcare



Finance



Oil & Gas



Retail



Law enforcement

## WHY SHOULD YOU SERIOUSLY CONSIDER CYBERSECURITY TRAININGS?

According to several studies, human error is the main cause of 95% of cyber security breaches. In other words, if human error was somehow eliminated entirely, 19 out of 20 cyber breaches may not have taken place at all!

**OUR EXPERTS CAN HELP YOU DEVELOP RESILIENCY AND CAPACITY FOR ALL IOT ACTORS INVOLVED IN YOUR BUSINESS, THROUGH A LARGE CHOICE OF TRAININGS. THIS WILL ALLOW YOU TO:**



Reduce skill-based and decision-based IoT cybersecurity human errors



Implement IoT products and solutions in compliance with known standards and regulations



Perform IoT security evaluation according to certification frameworks



Raise IoT cybersecurity awareness at the appropriate level for your organisation to mitigate all risks associated with your business needs

## OUR TOP TRAININGS TOPICS

- European Cybersecurity Act (EUCSA)
- Common Criteria based European candidate cybersecurity certification scheme (EUCC)
- European Cybersecurity Certification Scheme for Cloud Services (EUCCS)
- Common Criteria (CC)
- First level Security Certification (CSPN)
- German IT Security Act 2.0 (IT SIG 2.0)
- Cyber Security for Consumer Internet of Things (ETSI EN 303 645)
- Global IoT Security standard (IoXT)
- Security Evaluation Standard for IoT Platforms (SESIP)
- IEC 62443 series of standards
- Security Requirements for Cryptographic Modules (FIPS 140-3)
- Foundational Cybersecurity Activities for IoT Device Manufacturers (NISTIR 8259)
- IoT Security Evaluation: the why, the what and the how
- Am I aware of my IoT cybersecurity business needs?
- Automotive: UNECE WP.29 safety and environmental performance of wheeled vehicles, their subsystems and parts
- Automotive: ISO/SAE 21434 Road vehicles — Cybersecurity engineering

SUGGESTED TOPICS  
ARE NOT COVERING  
YOUR NEED? WE  
ALSO PROVIDE  
TAILORED TRAININGS!



## DURATION

Between 2 to 5 days depending on the topic. Please contact us to know more about your training.

## WHO SHOULD ATTEND OUR TRAININGS?

- Our trainings are made for all IoT stakeholders. Whether you're in business operations or at C-Suite level; our variety of trainings is customized to meet individual and business needs.
- Anyone who is keen to understand how to implement security when around IoT products and solutions as well as anyone who is curious to understand the risks associated to IoT.
- *Some of our trainings are also tailored to certification actors, particularly to NCCAs, NABs and CABs according to their roles and responsibilities in security certification processes.*
- Our team of professional trainers will adapt your training content to your needs and skill set. It is open to all levels of experience.

## WHY CHOOSE RED ALERT LABS?

Relying on its experts' unique experience, Red Alert Labs has earned the trust of governmental and private companies and is recognized by the security international expert's community as a **solid technical business partner.**

We have significant expertise in cybersecurity applied to Secure Elements, Embedded Systems, Connectivity, IoT Cloud Services, IoT security architecture and Certification Standards & Regulations such as EU Cybersecurity Act, Common Criteria, CSPN, EUCC, EU Cloud Service, Eurosmart, FIPS140-3, IoTSE, OWASP, and FIDO.



✉ [contact@redalertlabs.com](mailto:contact@redalertlabs.com)  
🌐 [www.redalertlabs.com](http://www.redalertlabs.com)  
in [Red Alert Labs](#)  
🐦 [@RedAlertLabs](#)  
📍 [Aflortville \(Paris Area\) 94140, France](#)

RED ALERT LABS  
IoT Security

BRINGING TRUST  
TO THE INTERNET OF THINGS

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