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Horizon Standardisation Booster

# Certification Schemes Training *«A practical perspective»*

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# Certification Schemes Training

What is the main difference between a self-assessment and a third independent party assessment?

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# Certification Schemes Training

## **RELATIONSHIP BETWEEN STANDARDS AND CERTIFICATION**

- What is the purpose of the research?
  - Why should you need standards?
  - Why Certification?
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# Certification Schemes Training

## **RELATIONSHIP BETWEEN STANDARDS AND CERTIFICATION**

- Why are standards set for?
  - Why is certification needed?
  - What is the importance of Standards and Certification relationship?
-



# Certification Schemes Training

## **FROM RESEARCH TO MARKET**

- The gap.
  - Use of existing Standards
  - Raising new standards
-

# Certification Schemes Training

## **FROM RESEARCH TO MARKET**

- A bit of context
  - The EU Security Policy Industry example
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# Certification Schemes Training

## **FROM RESEARCH TO MARKET**

### The EU Security Policy Industry example

- The Context
  - The action plan
  - The results
-

# Certification Schemes Training

## FROM RESEARCH TO MARKET

### The Context

- Market Fragmentation
  - The gap between research and market
-



# Certification Schemes Training

## FROM RESEARCH TO MARKET

### The Action Plan

- Market Fragmentation
  - The gap between research and market
-

# Certification Schemes Training

## FROM RESEARCH TO MARKET

### The Results

*(in the cybersecurity field)*

- NIS Directive: Networks Infrastructures Security
  - Cybersecurity Act: EUCC, EUCS, EU5G, etc....
  - Cyber Resilience Act: Security by design/default
  - Cyber Solidarity Act: The Shield
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# Certification Schemes Training

## THE CERTIFICATION LANDSCAPE

*(More Context)*

Audit modalities

- First Party Audit
  - Second Party Audit
  - Third Independent Party Audit
-

# Certification Schemes Training

## THE CERTIFICATION LANDSCAPE

*(Who is Who?)*

- Scheme owners private or public
  - Accreditation Bodies (Abs) officially recognized by their national Governments to accredit Conformity Assessment Bodies (CABs).
  - Certification Bodies, CABs accredited by ABs and scheme owners
  - Laboratories or Auditors (based on Confidentiality, independence and impartiality, few support activity allowed) (ex.: ISO 17025)
  - Implementation entities (Consulting firms)
-

# Certification Schemes Training

## THE CERTIFICATION LANDSCAPE

*(Who is Who?)*

- Accreditation Bodies
  - Certification Bodies, Notification Bodies (ISO 17065 based on Impartiality, consulting is not allowed)
  - Laboratories, conformity assessment bodies (CABs), Auditors (based on Confidentiality, independence and impartiality, few support activity allowed) (ISO 17025)
  - Implementation entities (Consulting firms)
-



# Certification Schemes Training

## THE SCHEME

- Scope of application
  - Terminology
  - Requirements for SO and CAS
  - Evaluations
  - International aspects and recognition
  - Communication
  - Guidance
  - Formats
-

# Certification Schemes Training

STAKEHOLDERS (*some features...*)

- The Scheme Owner
  - The users
  - The Industry
  - The authorities, if needed
  - The ABs, CBs
  - Labs or auditors
-

# Certification Schemes Training



## Example : IT Security Evaluation

- Scope: **Common Criteria, Lince, BSZ, CSPN.**
- National Agency is the Scheme Owner
- National Certification Body is part of the SO
- Accreditation Body and CB accredit testing labs
- Labs perform conformity assessment of products
- CB issues the Certificate

## Example : Information Systems Security Audit

- Scope: **National Security Scheme (ENS)**
- National Agency is the Scheme Owner
- Private Certification Bodies are accredited by Accreditation Body and NA/SO
- CBs perform audits and issue certificates

THANKS!

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