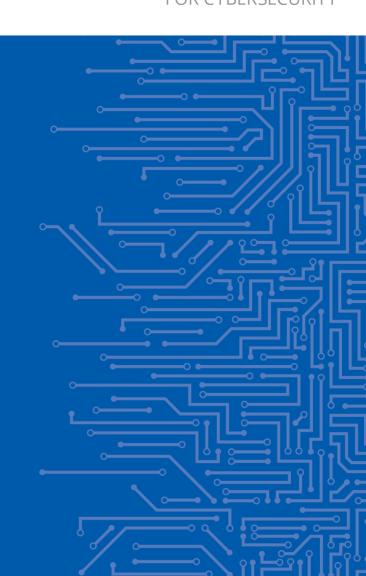# eID SCHEMES AND CYBERSECURITY CERTIFICATION

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eIDAS Summit 2020

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ENISA and eIDAS in a nutshell

Trust Services

Studies	Guidelines for Trust Service Providers	Incident Reporting	Trust Services Forum

| Qualified Website Authentication Certificates | Mapping of requirements to existing standards | Security Framework | Guidelines for TSPs based on standards | Auditing Framework | Initiation Supervision Termination | Relying Parties | Article 19 Expert Group | CIRAS – T Reporting Tool | |

Digital Identities – eID Schemes

- ## eIDAS Compliant eID Solutions (2019)

    - Overview of the legislative framework under eIDAS for electronic identification, presents the landscape of notified and pre-notified eID schemes and identifies key trends in the electronic identification field

- ## A maturity model framework for eID schemes

    - ENISA is creating an eID **capacity maturity model** (CMM) in the form of a self-assessment questionnaire to measure the level of maturity of the eID schemes notified under eIDAS in EU Member States.

    - The aim of the project is to **promote best practices** on eID, relying on information provided in the context of the eID schemes notifications

- ## Analysis of methods to carry out identity verification remotely
  To provide an **analysis of methods** to carry out identity verification remotely which varies at national level

    - **Propose best practices** for the eIDAS stakeholders taking into account the security requirements imposed by the eIDAS regulation.

    - The outcome will be a **risk analysis** and an **analysis of security measures** to check how compliance with the eIDAS regulation can be achieved

CYBERSECURITY ACT

NEW MANDATES FOR ENISA

Identity and trust services

"the development and implementation of Union policy in the field of electronic identity and trust services, in particular by providing advice and issuing technical guidelines, as well as by facilitating the exchange of best practices between competent authorities"

Cybersecurity certification

ENISA's mission statement :"To pro-actively contribute to the emerging EU framework for the ICT certification of products and services and carry out the drawing up of candidate certification schemes in line with the Cybersecurity Act, and additional services and tasks".

EID AND CYBERSECURITY CERTIFICATION

COMMON GROUND ?

- **Assurance levels**

- **Level structures** to support scalability and comparability

- **Common application areas** and market sectors?

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EID AND CYBERSECURITY CERTIFICATION

COMMON TARGET SCENARIOS

1. ITC systems and components supporting eID services

2. Application areas requiring

   - trustworthy identity information, identification and authentication
   - an elevated, defined level of ITC security and assurance

Some examples:

— Mobile network services; identification and authentication of subscribers

— eHealth services

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CONSIDERATIONS CONCERNING COMPARABILITY

COMPARABILITY OF LEVELS

1. CSA assurance levels are defined based
   - on the risk of the intended use of the target of evaluation
   - the evaluation level applied

2. eIDAS levels are reflecting
   - the level of risk related to an incident and, for authentication acc. to implementing act 2015/1502, the capacities of potential adversaries

Risk and attack potential can potentially serve as common denominators for comparability of eIDAS and CSA levels.

CONSIDERATIONS CONCERNING COMPARABILITY

IMPLEMENTATION OF COMPARABILITY

1. A sound understanding of relevant risks and attack potential could help to select appropriate, matching levels for eID schemes and cybersecurity evaluation and certification

2. ENISA has profound expertise in

   - Cyberthreat intelligence / threat landscape → Attacker information

   - Risk assessment and risk-based definition of requirements

   - Trust services and eID schemes

   - Cybersecurity certification scheme definition

ENISA is working to advance the deployment and market success of both, eIDAS and cybersecurity certification schemes.

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THANK YOU FOR YOUR ATTENTION

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