

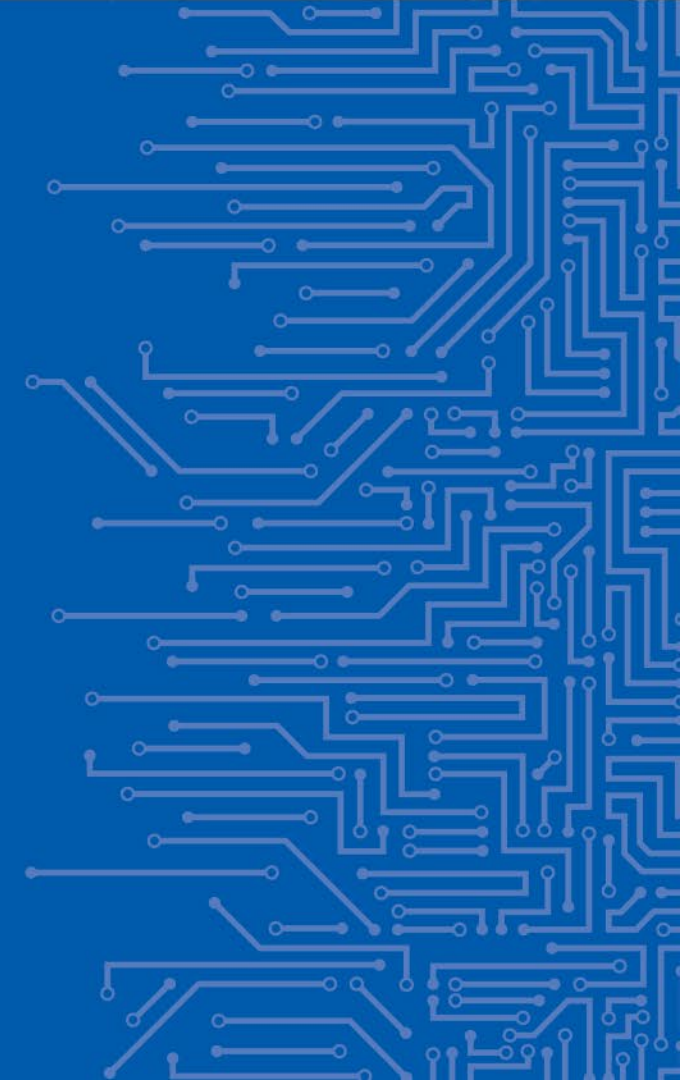


EUROPEAN UNION AGENCY
FOR CYBERSECURITY

AN UPDATE ON SCHEMES DEVELOPMENTS

Philippe Blot
Head of Cybersecurity Certification sector
Market, Certification & Standardisation Unit

27 | 09 | 2023



ENISA: WHO WE ARE

The European Union Agency For Cybersecurity is dedicated to achieving a high common level of cybersecurity across Europe.

- ENISA plays a key role in enabling the Union's ambition to **reinforce digital trust and security across Europe**, together with the Member States and EU bodies.
- By bringing communities together, the Agency continues to successfully contribute to **strengthening Europe's preparedness and response capabilities** to cyber incidents.



REGULATIONS AROUND EU CYBER CERTIFICATION



European Commission

Home > Strategy > Priorities 2019-2024 > A Europe fit for the digital age > European Chips Act

European Chips Act

The European Chips Act aims to strengthen the EU's semiconductor supply chain, support digital and green technological leadership, and ensure a secure and resilient supply of chips.

The need for EU action

Chips are strategic assets for key industrial value chains. New markets for the chip industry are emerging such as high performance computing, connectivity, space, defence and supercomputers.

1 trillion microchips were manufactured around the world in 2020

Recent global semiconductor shortages forced factory closures in several countries, including healthcare devices. This made more evident the extreme global dependency of the semiconductor value chain on a very limited number of actors in a complex geopolitical context.

The findings of the **Chips Survey**, launched by the European Commission, highlighted that industry expects demand for chips to double by 2030. This reflects the growing importance of semiconductors for European industry and society. There will be challenges in meeting this increasing demand, especially in light of the current semiconductor supply crisis.

In her 2021 **State of the Union speech**, Commission President Ursula von der Leyen set the vision for Europe's chip strategy, to jointly create a state-of-the-art European chip ecosystem. This will include production, as well as connecting the EU's world-class research, design and testing capabilities.

PAGE CONTENTS

- The need for EU action
- Strengthening Europe's technological leadership
- Investments to support the Chips Act
- Short video introducing the European Chips Act
- Next steps
- Documents



EUROPEAN COMMISSION

Brussels, 21.4.2021
COM(2021) 206
2021-0106(CO)

Proposal for a
REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
LAYING DOWN HARMONISED RULES ON ARTIFICIAL INTELLIGENCE (ARTIFICIAL INTELLIGENCE ACT) AND AMENDING CERTAIN UNION LEGISLATIVE ACTS
(SEC(2021) 167 final) - (SWD(2021) 84 final) - (SWD(2021) 85 final)

TITLE III

1. High-risk AI systems shall comply with the requirements established in this Regulation.
2. The intended purpose of the high-risk AI system and the risk management system shall be established, implemented, and maintained throughout the lifecycle of the system.
3. A risk management system shall be established, implemented, and maintained throughout the lifecycle of the system, consisting of a continuous iterative process of identification and analysis of the known and foreseeable risks, estimation and evaluation of the risks that may emerge, evaluation of other possibly arising risks, and adoption of suitable risk management measures.
4. The risk management measures referred to in paragraph 3 shall be based on the generally acknowledged state of the art, including the state of the art in the field of artificial intelligence.



Think Tank
European Parliament

Home Research Events Infographics Sources Partners Audio podcasts

Research / Advanced search / The NIS2 Directive: A high common level of cybersecurity in the EU

The NIS2 Directive: A high common level of cybersecurity in the EU

Briefing - 16-06-2022

The Network and Information Security (NIS) Directive is the cornerstone of the EU's cybersecurity framework. It sets a high common level of cybersecurity across the EU, covering a wide range of essential and important services and digital infrastructure. The NIS2 Directive aims to strengthen the EU's cybersecurity resilience by introducing a more comprehensive and consistent approach to risk management and incident response across all member states.



EUROPEAN COMMISSION

Brussels, 15.9.2022
COM(2022) 454 final
2022/0272 (COD)

Proposal for a
REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
on horizontal cybersecurity requirements for products with digital elements and amending Regulation (EU) 2019/1020
(Text with EEA relevance)
{SEC(2022) 321 final} - {SWD(2022) 282 final} - {SWD(2022) 283 final}



European Commission

Home > Press corner > Cyber: towards stronger EU capabilities

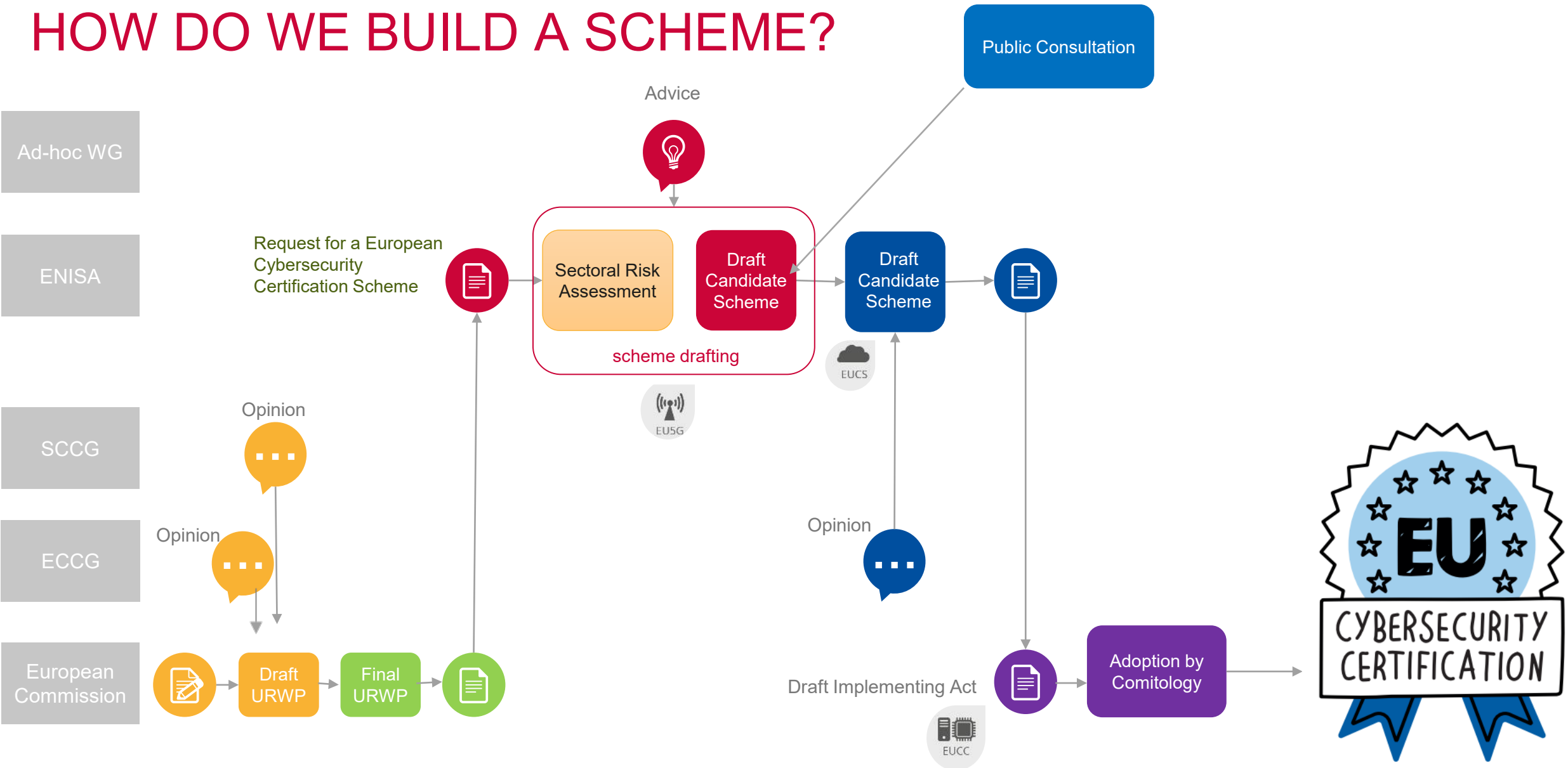
Available languages: English

Press release | 18 April 2023 | Strasbourg

Cyber: towards stronger EU capabilities for effective operational cooperation, solidarity and resilience



HOW DO WE BUILD A SCHEME?



CURRENT ACTIVITIES ON EUCC



- **Implementing Act** (ENISA support to the EC) based on the candidate scheme
- **Maintenance strategy**
- **Reuse of national supporting documents**
- **Cryptography**
- **Certification.enisa.europa.eu** ENISA website dedicated to certification and stakeholders' platform to provide guidance and gather the ecosystem



OTHER ACTIVITIES IN LIAISON WITH EUCC



EUCC

EU5G

for eUICC certification

eIDAS/wallet

may mandate EUCC certification or reuse EUCC certificates as a presumption of conformity

AI feasibility study

will analyse how to reuse EUCC certification and where different evaluation methods would be necessary

Cyber Resilience Act (CRA)

how to use EUCC certificates for presumption of conformity to CRA essential requirements as defined in Annex I

CURRENT ACTIVITIES ON EUCS



- **CEN-CENELEC is making progress on the elements passed by ENISA (security controls) for their transformation and maintenance into Technical Specifications**
- **Candidate scheme under revision for final release**
- **EUCC Implementing Act will have to be considered**
- **Guidance development has been launched**
- **Discussion at ECCG has started**

CURRENT ACTIVITIES ON EU5G



- **The AHWG supporting ENISA is composed of a rich representation of relevant stakeholders:**
 - eUICC and network products developers
 - CABs
 - MNOs
 - standardisation organisations including ESOs, and GSMA
 - national authorities, both telco and cybersecurity regulators
- **ENISA plans a first draft of the scheme to be available for public review end of 23**

EU5G SCHEME



eUICC certification to be based on the EUCC scheme with the appropriate Protection Profile(s) to allow also convergence with the eIDAS/wallet

Existing GSMA/3GPP schemes and structures on NESAS to be transformed into a relevant EU scheme, reusing the lessons learned from BSI implementation

SAS processes on SIM provisioning and eUICC secure development to be transformed to the possible extend into a relevant EU scheme, in close relation with the other schemes under development (EUCC and EUCS)



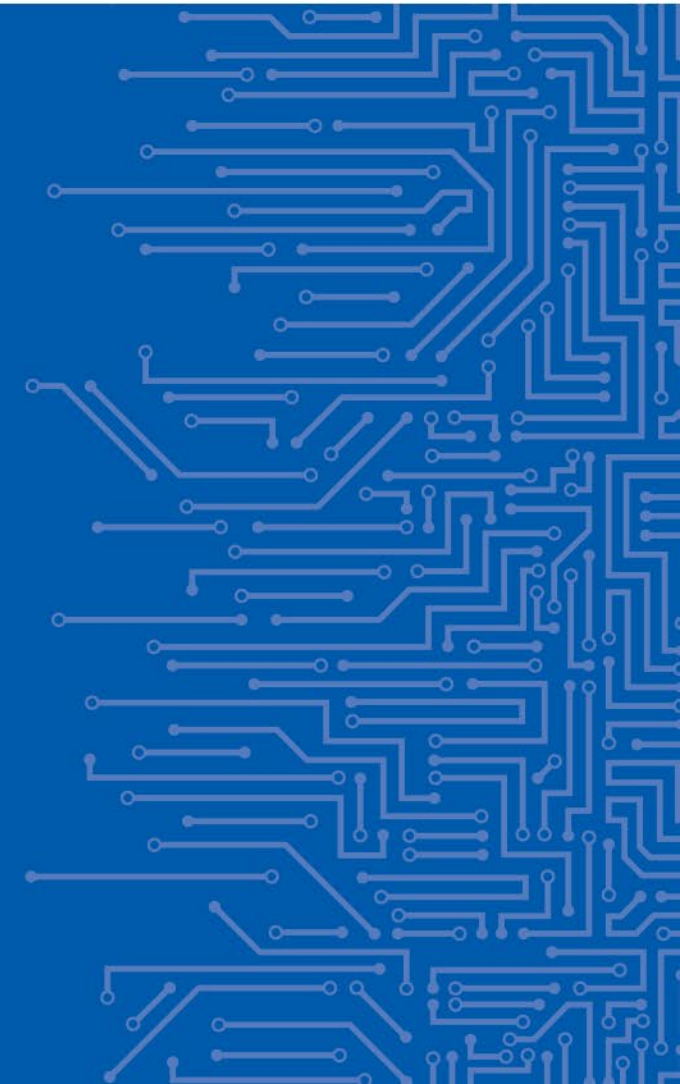
More to learn on the progress of ENISA's developments in certification at the ENISA Cybersecurity Certification Conferences!



EUROPEAN UNION AGENCY
FOR CYBERSECURITY

DEVELOPING THE CERTIFICATION FRAMEWORK TOGETHER

27 | 09 | 2023





CERTIFICATION AS A BUILDING BLOCK OF A SAFER EU

Certification defines what Trust should be:

- Creates a common set of cybersecurity requirements
- Proposes different assurance levels
- Unify conditions for verification

For all ICT solutions?

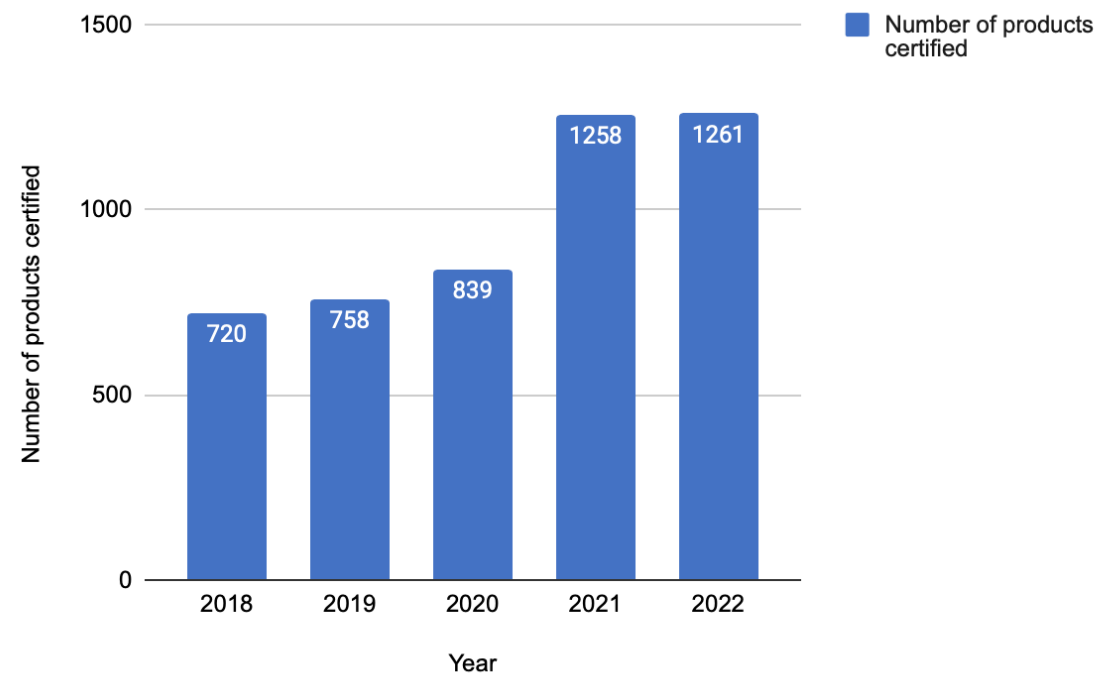
- Covers as well ICT products, ICT processes and ICT services
- Ongoing discussions on the possible inclusion of MSSPs

What for?

- Addresses regulatory sensitive targets
- Facilitates access to public procurement
- Elevates the general cybersecurity posture

CERTIFICATION AS A ENABLER OF BUSINESS 1/2

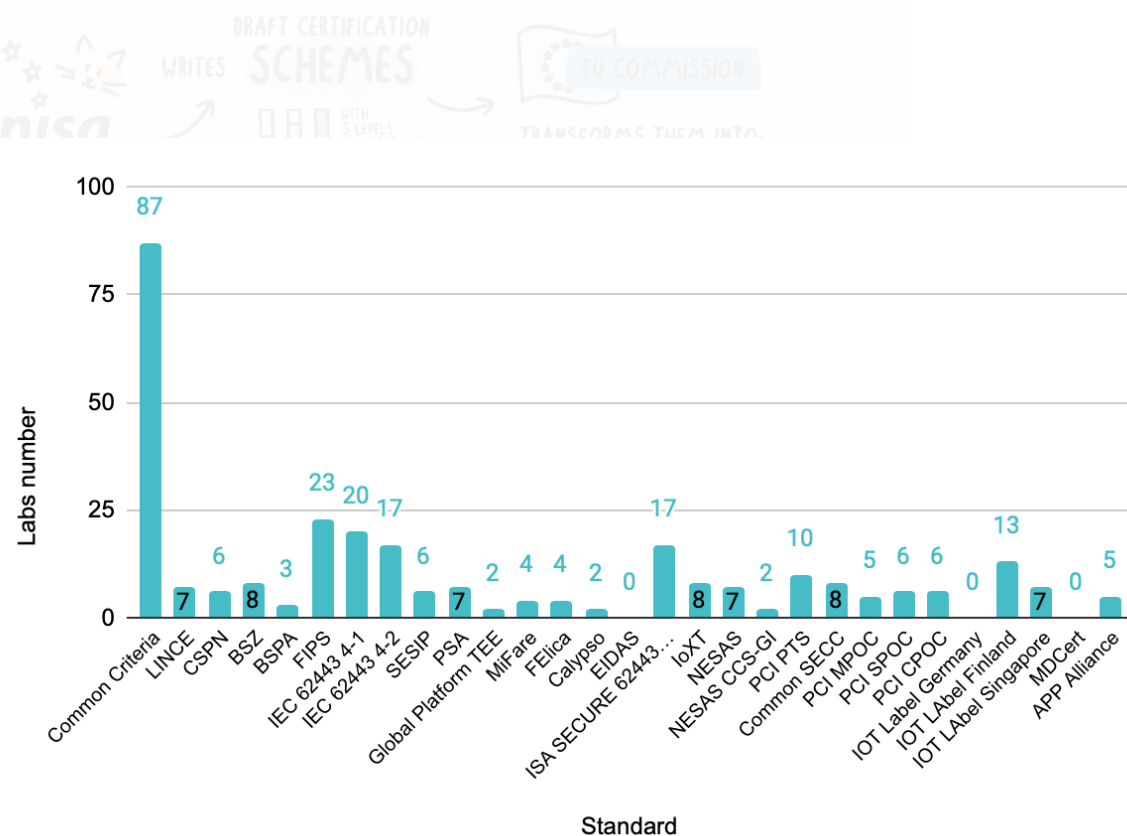
- General **Increase of certification** in the past couples of year
- Although a **stabilisation between 2021 and 2022**
- Linked to the creation of **new assessment schemes** (IoT, sectoral schemes – mobility)



Number of certified/assessed ICT products, all certification schemes included

CERTIFICATION AS A ENABLER OF BUSINESS 2/2

- Around 300 assessment bodies worldwide (labs, evaluators, auditors, licensed CABs,..)
- **87 assessment bodies on the Common Criteria – and around half of them in the EU**
- On other categories around $\frac{1}{4}$ of the assessment bodies are from the EU



Number of assessment bodies all schemes & standards included

HOW TO BE INVOLVED

AHWGs and public consultations

Website: <https://certification.enisa.europa.eu/>
CEF platform

Awareness Raising Videos :

3 episodes on Youtube: **ENISAvideos**

Tradeshows and Events:

Annual Cybersecurity Certification Conference
ITSA Nuremberg 9-12 October 2023

Presentations, Talks & Social Media:

Follow **European Union Agency for Cybersecurity (ENISA)** on LinkedIn
and **@enisa_eu** on Twitter

ENISA Certification video
playlist:



THANK YOU FOR YOUR ATTENTION

Philippe Blot, Head of Cybersecurity Certification Sector

Market, Certification & Standardisation Unit

ENISA, The European Agency for Cybersecurity



 Philippe.blot@enisa.europa.eu

