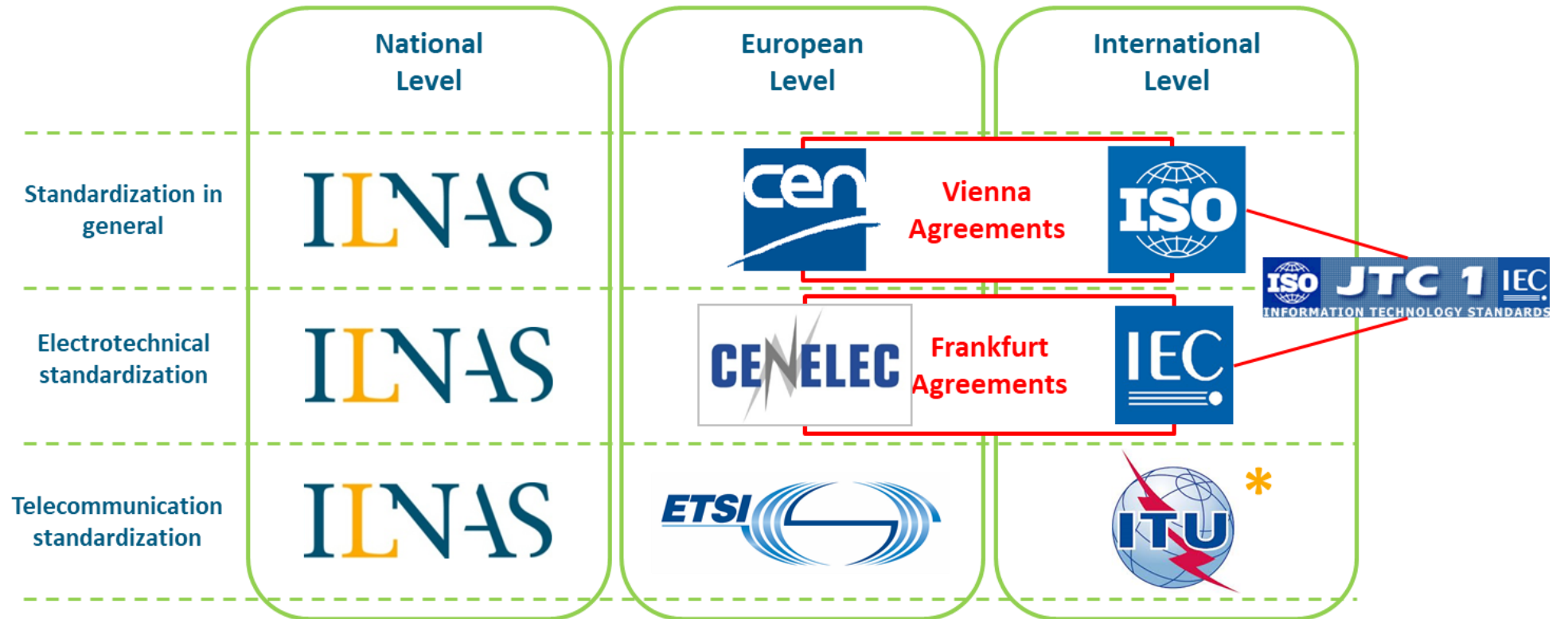# National Standardization Commission "Cybersecurity"

Friday 22 October 2021

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Responsible ICT & Technical Standardization ILNAS/OLN
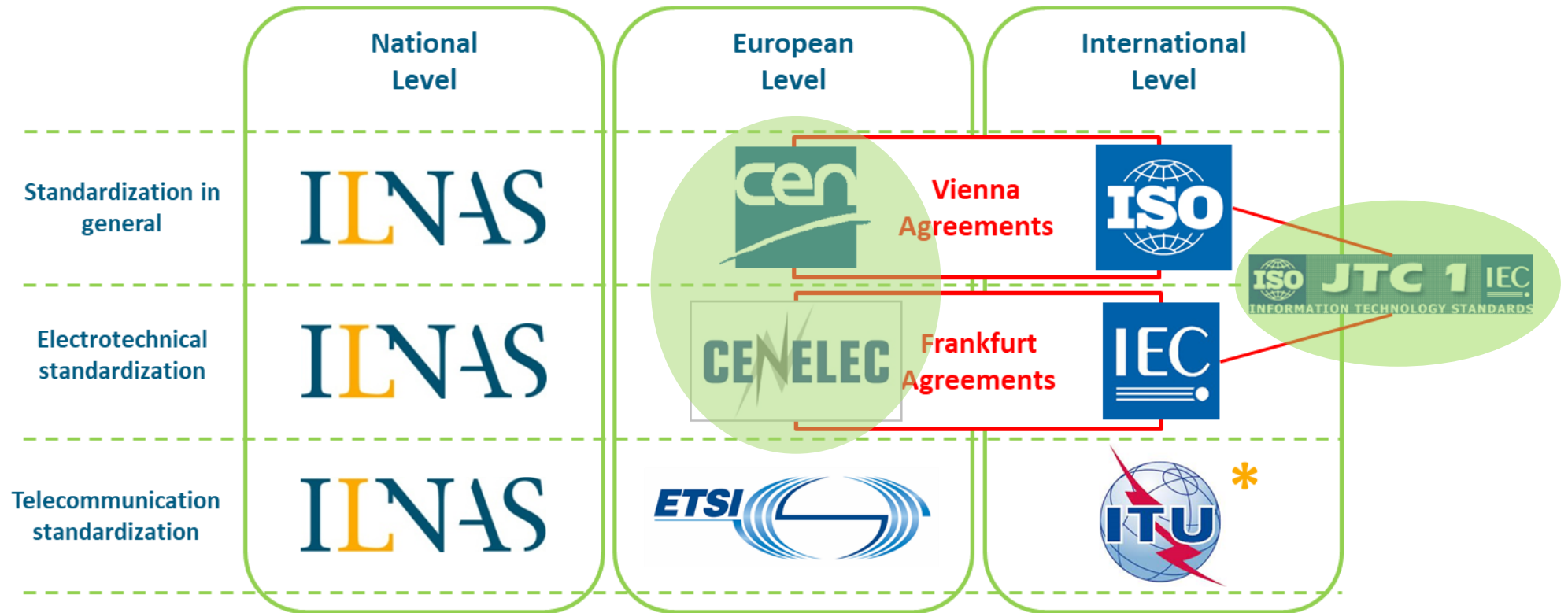
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Cybersecurity technical standardization – Current situation

🔷 **More and more technical committees dealing with similar or complementary projects**

INTERNATIONAL
36 national delegates

CEN-CENELEC
JTC 13

7 national delegates

ISO &
ISO/IEC JTC 1
ISO/IEC JTC 1 /SC 27
ISO/IEC JTC 1 /WG 13
ISO/PC 317

EUROPEAN

ETSI
TC CYBER

16 national members (of ETSI)
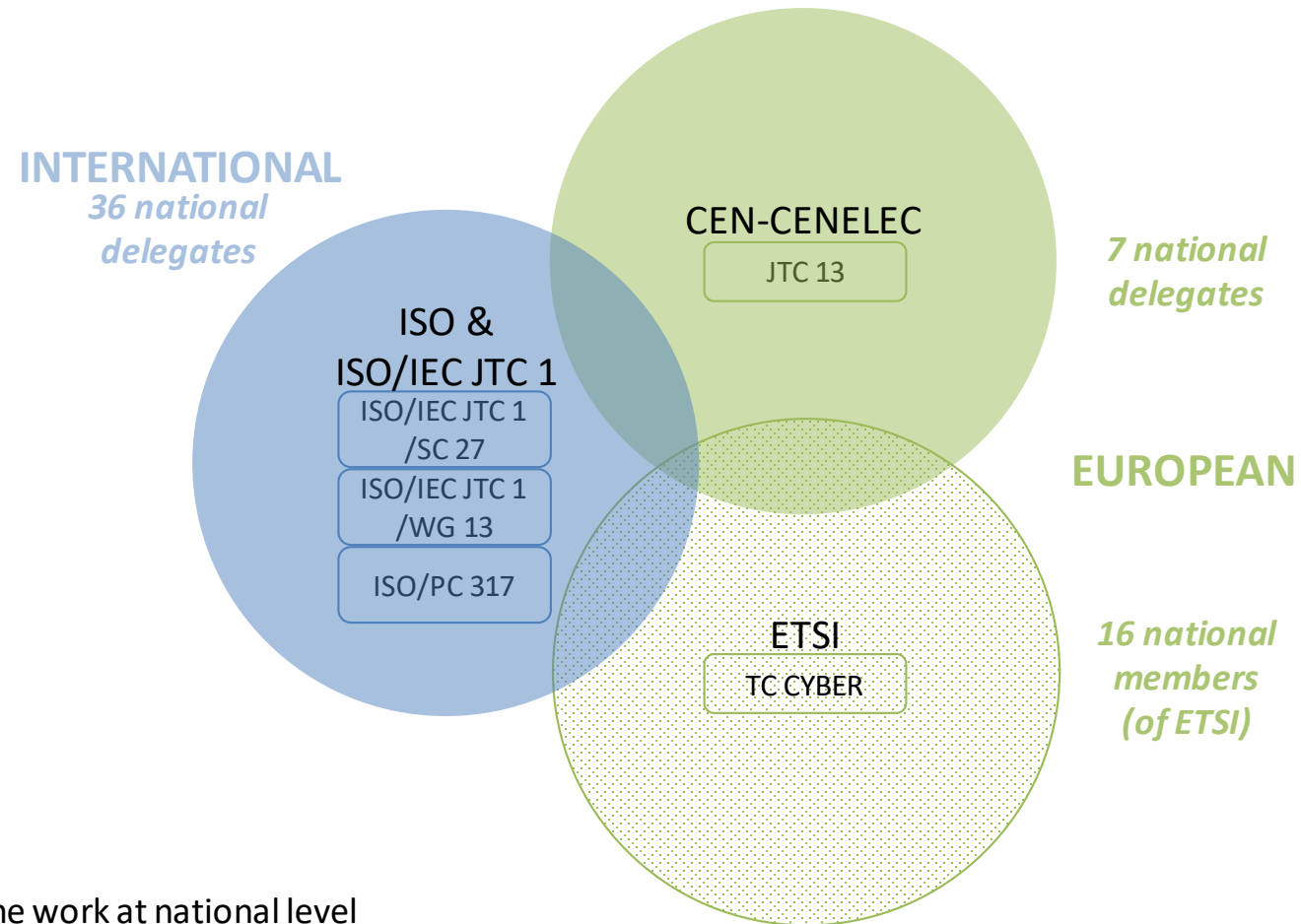
○ Fragmentation of the work at national level
○ Lack of national participation in European standards projects
○ Added complexity for national experts to participate in multiple technical committees

National Standardization Commission "Cybersecurity"

- **International**
  - ISO/IEC JTC 1/SC 27 - Information security, cybersecurity and privacy protection
    - ISO/IEC 15408 series - Evaluation criteria for IT security (Common Criteria)
    - ISO/IEC 270xx series - Information security management systems
    - …
  - ISO/IEC JTC 1/WG 13 – Trustworthiness
    - ISO/IEC TS 5723 - Trustworthiness Vocabulary
    - ISO/IEC TS 24462 - Ontology for ICT Trustworthiness Assessment
  - ISO/PC 317 - Consumer protection: privacy by design for consumer goods and services
    - ISO 31700 - Consumer protection - Privacy by design for consumer goods and service

- **Europe**
  - CEN/CLC JTC 13 - Cybersecurity and Data Protection
    - Adoption of INT standards (from JTC 1/SC 27)
    - Specific projects, mainly in support of EU legislation (e.g.: GDPR, CSA, RED, …)
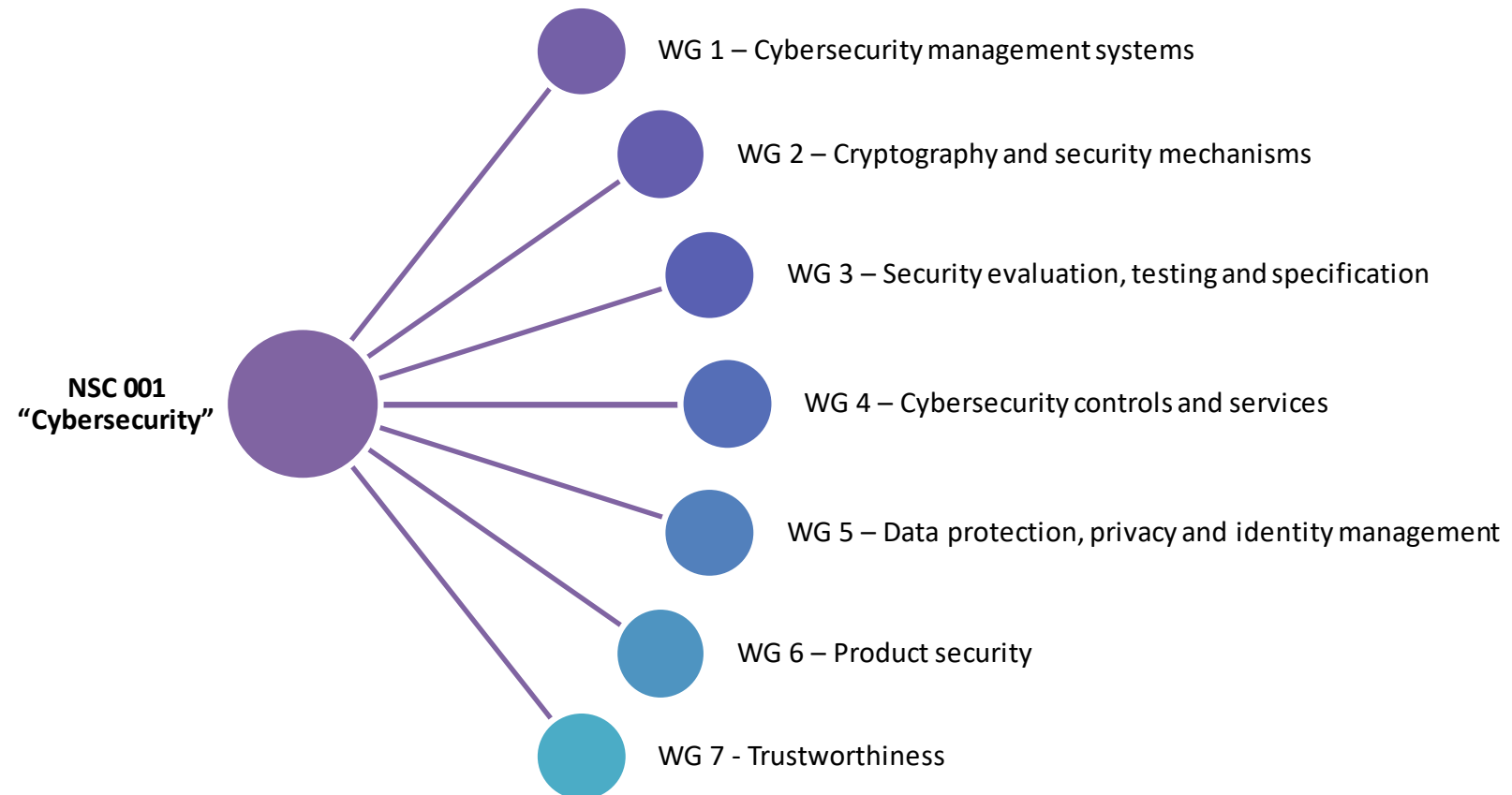
National Standardization Commission "Cybersecurity"

Creation of a National Standardization Commission (NSC) "Cybersecurity"

◆ **Creation of a one-stop shop for Cybersecurity Standardization**

- National experts can register within a single NSC in order to follow and participate in all the most relevant standardization committees and projects in cybersecurity
  - Administrative simplification (one form allows access to all the relevant entities)
  - Pooling of efforts (all national delegates are made aware of the global context)
  - Strengthening of the participation in EU standards projects

National Commission structure	EU entity mirrored	INT entity mirrored
NSC 001	CEN/CLC/JTC 13 "Cybersecurity and Data Protection"	- ISO/IEC JTC 1/SC 27 "Information security, cybersecurity and privacy protection" - ISO/PC 317 "Consumer protection: privacy by design for consumer goods and services"
NSC 001/WG 1	CEN/CLC/JTC 13/WG 2 "Management systems and controls sets"	ISO/IEC JTC 1/SC 27/WG 1 "Information security management systems"
NSC 001/WG 2	/	ISO/IEC JTC 1/SC 27/WG 2 "Cryptography and security mechanisms"
NSC 001/WG 3	CEN/CLC/JTC 13/WG 3 "Security evaluation and assessment"	ISO/IEC JTC 1/SC 27/WG 3 "Security evaluation, testing and specification"
NSC 001/WG 4	CEN/CLC/JTC 13/WG 4 "Cybersecurity services"	ISO/IEC JTC 1/SC 27/WG 4 "Security controls and services"
NSC 001/WG 5	CEN/CLC/JTC 13/WG 5 "Data Protection, Privacy and Identity Management"	ISO/IEC JTC 1/SC 27/WG 5 "Identity management and privacy technologies"
NSC 001/WG 6	CEN/CLC/JTC 13/WG 6 "Product security"	/
NSC 001/WG 7	/	ISO/IEC JTC 1/WG 13 "Trustworthiness"

Structure of the National Standardization Commission (NSC) "Cybersecurity"

National Standardization Commission (NSC) "Cybersecurity"

NSC 001
"Cybersecurity"

WG 1 – Cybersecurity management systems

WG 2 – Cryptography and security mechanisms

WG 3 – Security evaluation, testing and specification

WG 4 – Cybersecurity controls and services

WG 5 – Data protection, privacy and identity management

WG 6 – Product security

WG 7 - Trustworthiness

Objectives of the National Standardization Commission (NSC) "Cybersecurity"

- **ILNAS' objectives**

  o   Better governance of the standardization work related to cybersecurity

  o   Improvement of national delegates experience

  o   Simplified access to cybersecurity standards projects

  o   Strengthening of the national community involved in cybersecurity standardization

- **With the creation of this new structure, ILNAS intends to better address needs of the national market for its participation in cybersecurity technical standardization and aims at giving Luxembourg the opportunity to defend its interests in international and European cybersecurity standards projects**

National Standardization Commission "Cybersecurity"

Participation in standardization activities

- ILNAS ensures the management of the participation of national experts who represent Luxembourg in European and international technical committees
  - Open to everybody
  - Free of charge

National register of delegates

- 288 experts registered (September 2021)
- 1056 registrations in technical committees
- Link: https://gd.lu/cCN7qg

→ More information available on: https://portail-qualite.public.lu/fr/normes-normalisation/participer-normalisation.html

Participation in the National Standardization Commission (NSC) "Cybersecurity"

Online trainings to facilitate the appropriation of technical standardization

- Training modules have been developed to allow national stakeholders to understand technical standardization and to familiarize themselves with the role of national delegate

- All the training modules are available on our YouTube channel:
  https://www.youtube.com/channel/UCiGeFq_P0HPdBcqohXjEpkA/playlists

ACCRÉDITATION

CONFIANCE NUMÉRIQUE

SURVEILLANCE DU MARCHÉ

MÉTROLOGIE

NORMALISATION

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