

European Standardization Organizations

CRA standardization request

CEN and CENELEC work

Who we are?

- ▶ CEN and CENELEC are two out of the three European Standards Organizations (ESOs) together with ETSI
- ▶ CEN, CENELEC and ETSI officially recognised as European Standards Organizations ([Regulation EU 1025/2012](#))



Standardization in various
business sectors



Standardization in the
Electrotechnology sector



Telecommunications,
broadcasting and other electronic
communications networks and
services

CEN and CENELEC members in 34 countries



<p>Austria</p> <p>AIISTRIAN STANDARDS </p>	<p>Denmark</p> <p></p>	<p>Greece</p> <p></p>	<p>Latvia</p> <p></p>	<p>Poland</p> <p></p>	<p>Slovenia</p> <p></p>
<p>Belgium</p> <p>NBN </p>	<p>Estonia</p> <p></p>	<p>Hungary</p> <p></p>	<p>Lithuania</p> <p></p>	<p>Portugal</p> <p></p>	<p>Spain</p> <p>UNE Normalización Española</p>
<p>Bulgaria</p> <p></p>	<p>Finland</p> <p>SFS SESKO</p>	<p>Iceland</p> <p></p>	<p>Luxembourg</p> <p></p>	<p>Republic of North Macedonia</p> <p></p>	<p>Sweden</p> <p>SIS </p>
<p>Croatia</p> <p></p>	<p>France</p> <p></p>	<p>Ireland</p> <p></p>	<p>Malta</p> <p>MCCAA MALTA COMPETITION AND CONSUMER AFFAIRS AUTHORITY</p>	<p>Romania</p> <p></p>	<p>Switzerland</p> <p>SNV </p>
<p>Cyprus</p> <p></p>	<p>Germany</p> <p>DIN </p>	<p>Italy</p> <p></p>	<p>Netherlands</p> <p></p>	<p>Serbia</p> <p></p>	<p>Türkiye</p> <p></p>
<p>Czech Republic</p> <p></p>	<p>Norway</p> <p>Standards Norway </p>	<p>Slovakia</p> <p></p>	<p>United Kingdom</p> <p></p>		

CEN & CENELEC BUSINESS SECTORS



ACCUMULATORS,
PRIMARY CELLS AND
PRIMARY BATTERIS



DEFENCE AND
SECURITY



DIGITAL SOCIETY



ELECTRIC EQUIPMENT
AND TRANSFORMERS



ELECTRIC EQUIPMENT
AND APPARATUS



ELECTRONIC,
ELECTROTECHNICAL
SUPPLIES



CONSTRUCTION



CHEMICALS



ELECTROTECHNOLOG
Y GENERAL



ENERGY AND
UTILITIES



HEALTHCARE



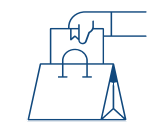
HOUSEHOLD
APPLIANCES
AND HVAC



INSULATED WIRE
AND CABLE



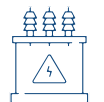
LIGHTING
EQUIPMENT AND
ELECTRIC LAMPS



CONSUMER



DEFENCE AND
SECURITY



LOW VOLTAGE
ELECTRICAL
EQUIPMENT AND
INSTALLATIONS



MECHANICAL AND
MACHINES



OCCUPATIONAL
HEALTH AND SAFETY



TRANSPORT AND
PACKAGING



FOOD AND
AGRICULTURE



HEALTHCARE



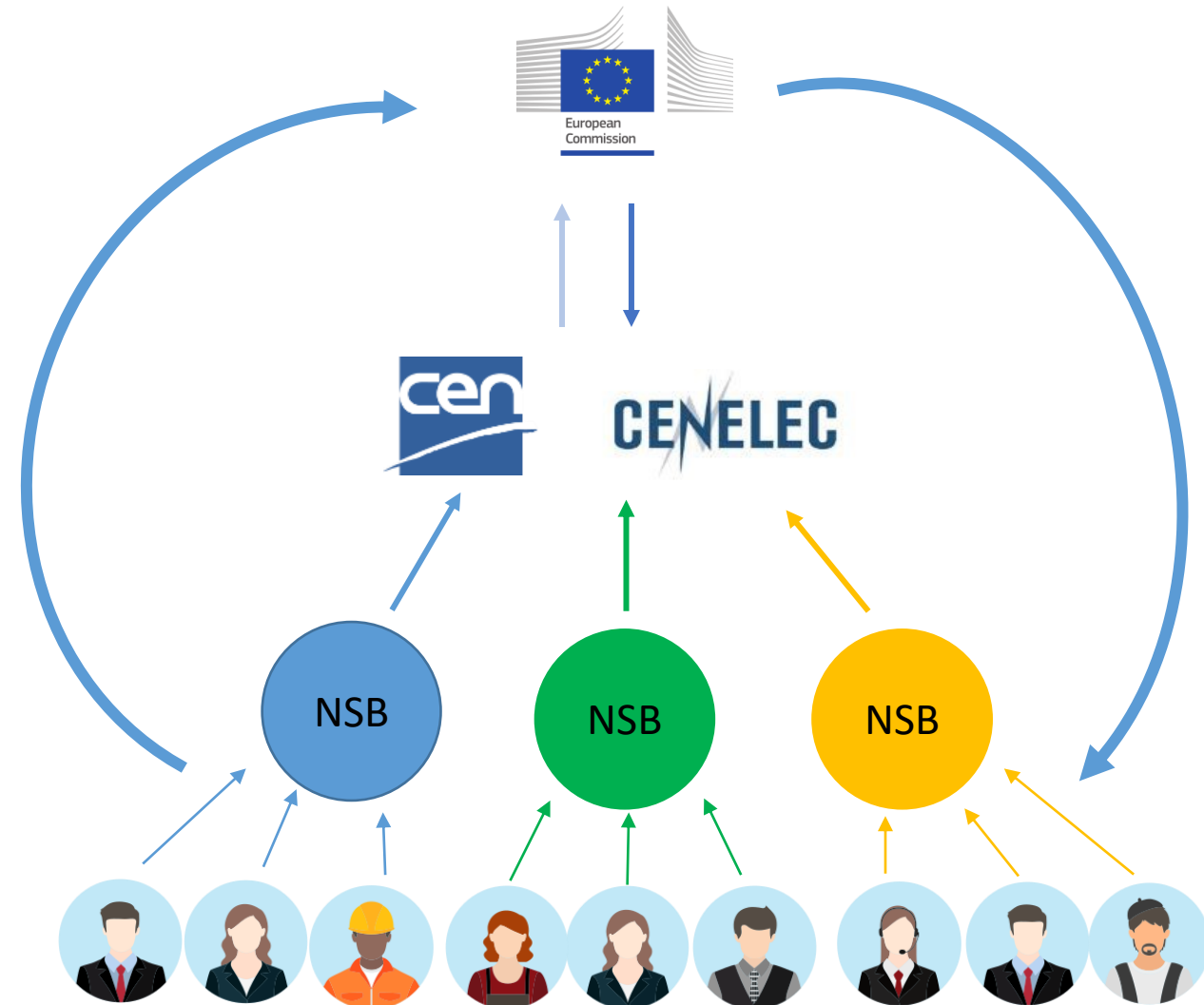
SERVICES



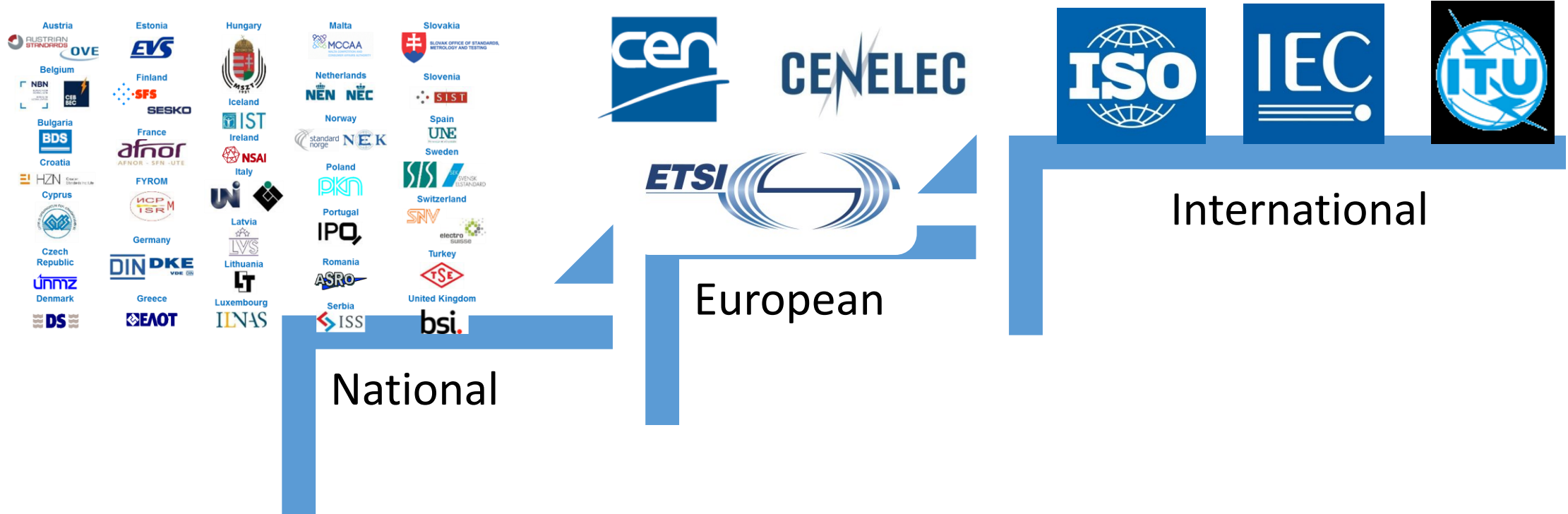
MINING
AND
METALS

An inclusive system based on dialogue

- ▶ Based on the national delegation principle
- ▶ Representing a consensus among all interested parties, including industry & SMEs and societal stakeholders
- ▶ Voluntary
- ▶ A continuous dialogue for a bottom-up + top-down approach



Standardization happens on different levels

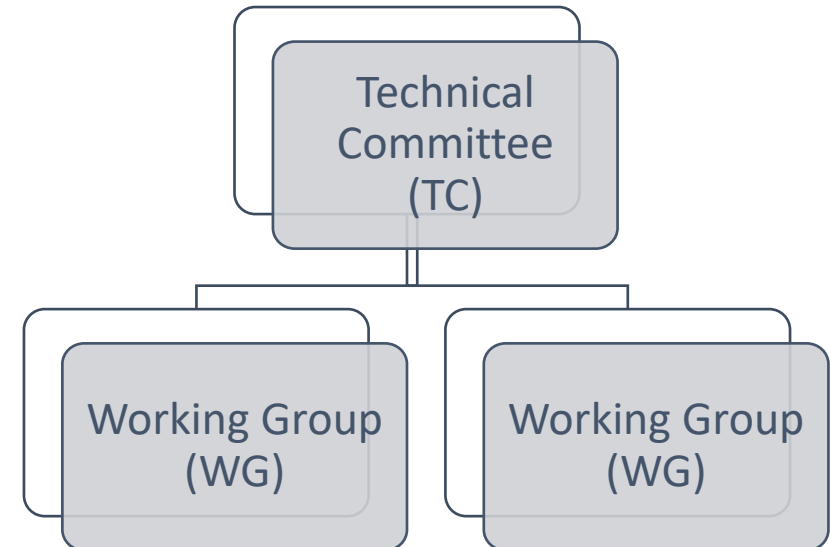


- CEN & CENELEC have a network of 43 members within 34 countries
- Officially recognised in the EU Regulation 1025/2012
- 1 standard for all CEN & CENELEC members **'Stand Still Rule'!**

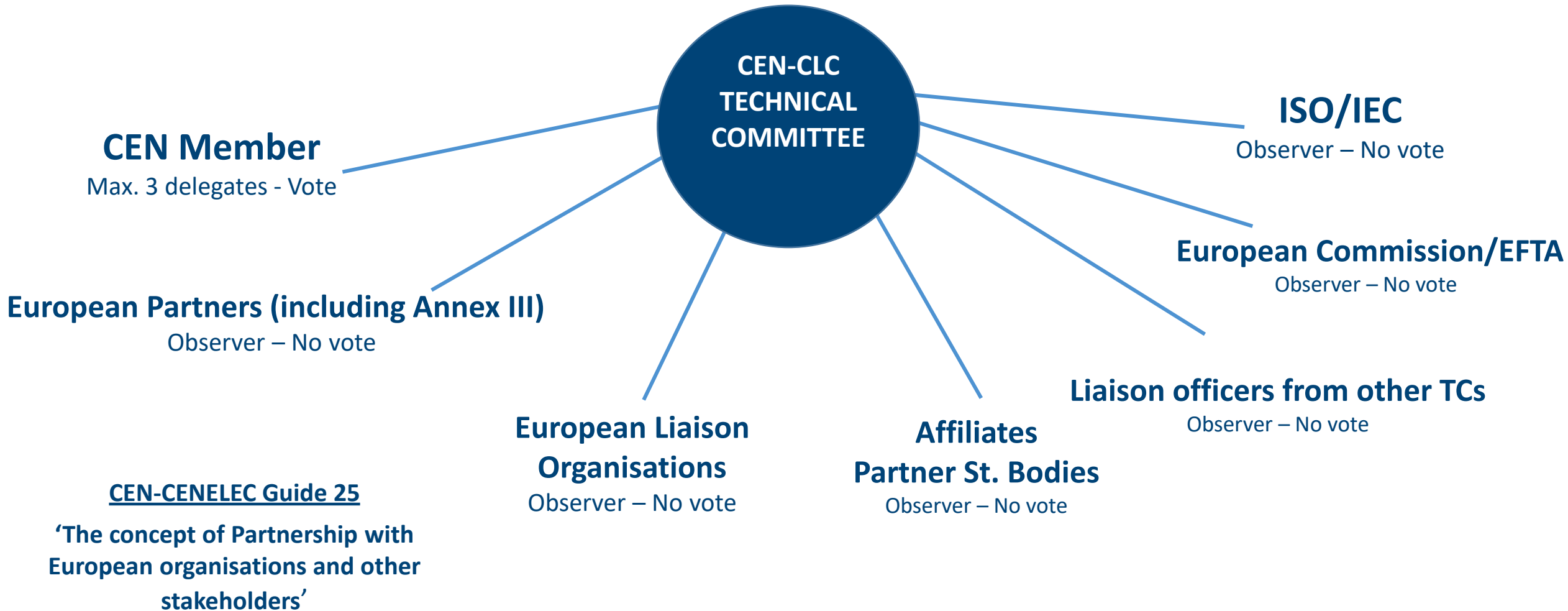
How is the work organized?



- ▶ The standards are developed in Technical Committees (TC)
- ▶ Each TC has Working Groups (WGs)
- ▶ Each WG has a dedicated scope



TC composition



Standards for the CRA

State of play work at CEN and CENELEC

- ▶ CEN CENELEC Joint Technical Committee 'Cybersecurity and Data Protection' active since 2017.
- ▶ WG 8 'Special Working Group RED Standardization Request': created in June 2022 to work on the standards related to the RED delegated act.
- ▶ WG 9 'Special Working Group on Cyber Resilience Act': created in March 2023 to work on the standardization request related to the CRA.

CRA standardization request

- ▶ First draft shared with CEN CENELEC in July 2023
- ▶ Ad-hoc standardization group created on CRA to discuss the draft with experts
- ▶ CEN-CLC/JTC 13 WG 9 has been playing an important role in coordination
- ▶ CEN CENELEC is still to be notified for official acceptance.
- ▶ Technical work has started in different Technical Committees

CRA SReq

- ▶ 41 topics, 3 'types' of deliverables:

- ▶ Category "A": horizontal framework

- ▶ Only CEN and CENELEC

- ▶ Topic #1 (JTC 13 WG9)

- ▶ deadline 2026-08-30

- ▶ Category "B": product-agnostic technical measures & vulnerability handling

- ▶ Only CEN and CENELEC

- ▶ Topic #2-15 (JTC 13 WG9)

- ▶ Deadline 2027-10-30 (except for line 15 - vulnerability handling - 2026-08-30)

- ▶ Category "C": Important and critical products

- ▶ CEN, CENELEC **and ETSI**

- ▶ Topic #16-38

- ▶ deadline 2026-10-30

- ▶ Only CEN and CENELEC

- ▶ Topic #39-41

- ▶ **Critical products with high risk**

- ▶ deadline 2026-10-30

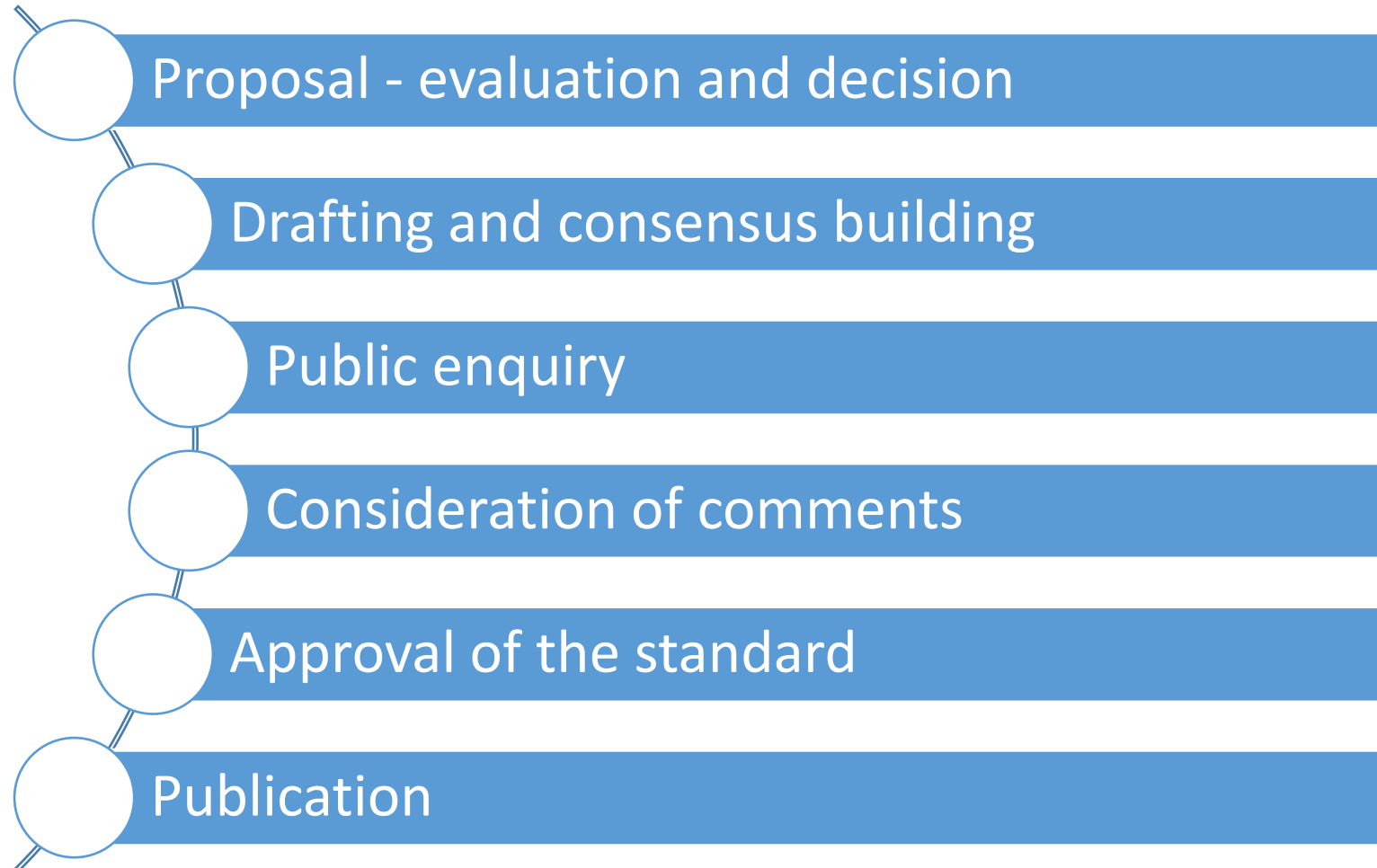
CEN CENELEC and ETSI joint work

- ▶ Lines #16-38
- ▶ Ongoing exchanges between CEN CENELEC ETSI and the relevant technical bodies
- ▶ Collaboration mode-4 as a starting point to facilitate exchange between CEN CENELEC and ETSI
- ▶ Basis for the work programme (Article 3 SReq)

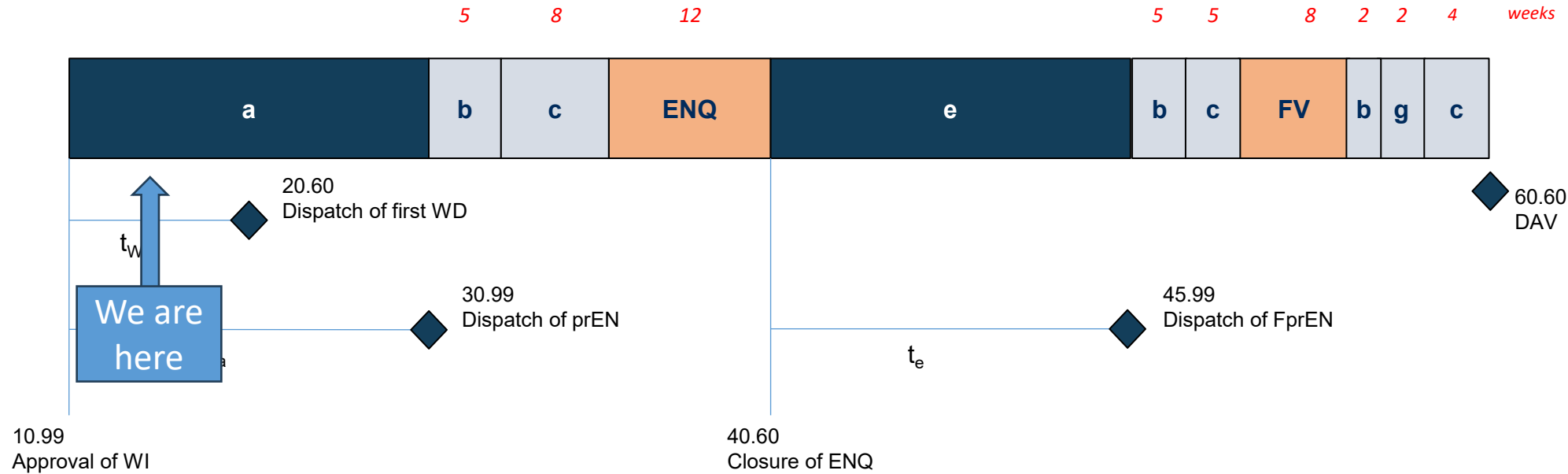
How are standards made?



For discussion purposes only
DRAFT



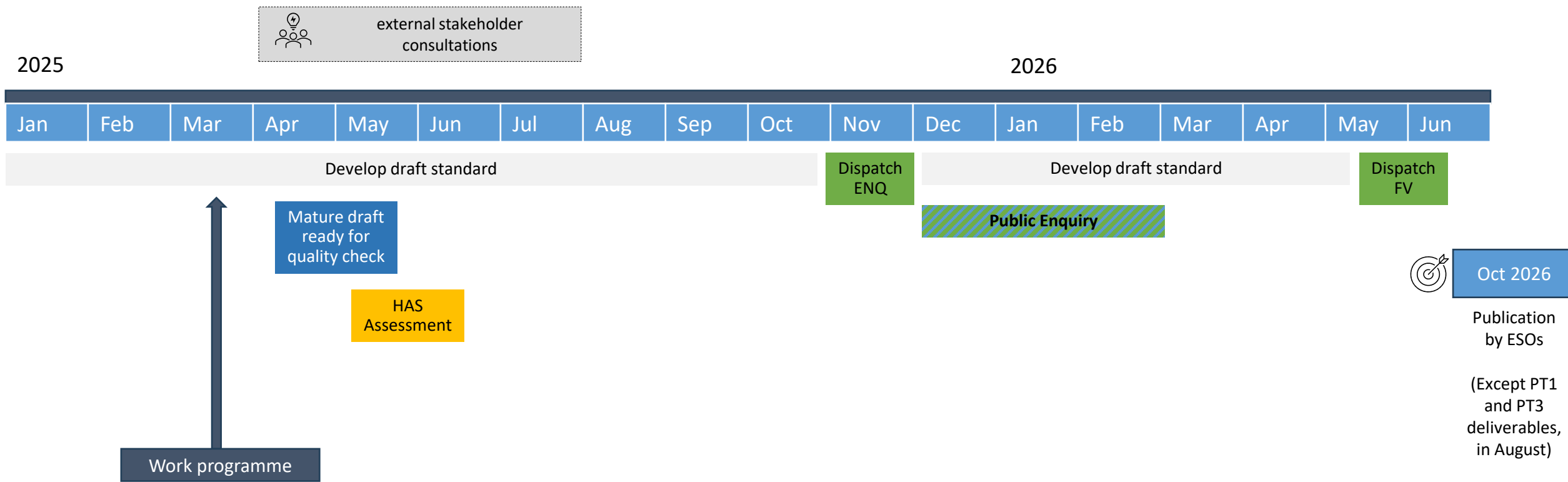
Flexible approach for ENs



- a Drafting of prEN by TC
- b Editing
- c Translation and preparation of national publication
- ENQ Enquiry
- e Comments handling / preparation of FprEN by TC
- FV Formal Vote
- g TC proofing

- Internal process
- Technical work
- Voting

High level expected timeline



Horizontal developments CEN-CLC TCs



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- ▶ **CEN-CLC/JTC 13 WG 9 “Special Working Group on Cyber Resilience Act”**
 - ▶ Principles for cyber resilience (line 1)
 - ▶ Generic Security Requirements (line 2-14)
 - ▶ Vulnerability handling (line 15)

Vertical developments CEN-CLC TCs

- ▶ **CEN/TC 224 'Personal identification and related personal devices with secure element, systems, operations and privacy in a multi sectorial environment'**
 - ▶ European standard(s) on essential cybersecurity requirements for identity management systems and privileged access management software and hardware, including authentication and access control readers, including biometric readers (line 16)
 - ▶ European standard(s) on essential cybersecurity requirements for Hardware Devices with Security Boxes (line 39)

- ▶ **CLC/TC 65X 'Industrial-process measurement, control and automation'**
 - ▶ Developments based on 62443-4-2

- ▶ **CEN-CLC/JTC 13 WG 6**
 - ▶ European standard(s) on essential cybersecurity requirements for smart meter gateways within smart metering systems (line 40)

Vertical developments CEN-CLC TCs

► **CLC/TC 47X 'Semiconductors and Trusted Chips Implementation'**

- European standard(s) on essential cybersecurity requirements for tamper-resistant microprocessors and microcontrollers (lines 37 & 38)
- European standard(s) on essential cybersecurity requirements for microprocessors and microcontrollers with security-related functionalities (lines 28 & 29)
- European standard(s) on essential cybersecurity requirements for application specific integrated circuits (ASIC) and field-programmable gate arrays (FPGA) security-related functionalities (line 30)
- European standard(s) on essential cybersecurity requirements for smartcards or similar devices, including secure elements (shared with CEN/TC 224) (line 41)

Supporting activities

Related to European Funding

Cyberstand.eu in a Nutshell

Mission: Engaging And Supporting EU Experts In Cybersecurity Standardisation Activities

OBJECTIVES

Objective 1: Deliver a coherent and engaging series of events and publications to establish an inclusive community on the CRA

Objective 2: Establish a facility dedicated to support EU experts contributing to standardisation efforts, in EU an Int'l cybersecurity standardisation fora.

Objective 3: Foster the development on harmonised standards, in conformity with the Cyber Resilience Act (CRA).

Objective 4: Contributing to implementation of European Values and sustainability of the CRA.



CONTRIBUTION TO STANDARDS

- 200+ EU Experts funded via 6 cycles of Specific Support Procedures (€1,500,000 assigned)
- Contribution to 10+ standardisation Work Items
- Increased international presence of EU experts with SDOs
- ...



REPORTS, TOOLS, AND MATERIALS

- 2 White papers on cybersecurity standards
- 2 Policy Briefs
- Contributions to the Cybersecurity and Networks chapter of the ICT Rolling Plan
- Around 200 impact reports from EU experts
- OA educational materials and tools
- Prioritisation of CRA Work Items
- ...



SYNERGIES UNLOCKED

- Domain-specific collaborations with SDOs and NSBs
- Community-related synergies with NCCs
- Direct dialogues with SMEs and Start-ups
- 30+ selected Use Cases
- Re-use of the StandICT.eu grants platform
- Up-to-date EUOS on cybersecurity standards
- ...



COMMUNITY

- 3000+ community members
- 40+ SMEs actively engaged in harmonisation of standards
- 6+ external SB members
- 30+ External Evaluators
- ...



OUTREACH

- 3 Annual Impact Events
- 12 Workshops
- 12 Webinars
- 2 public consultations
- 18 Insights Newsletters
- 12 Press Releases
- 9 Professional Videos
- Visibility at 18+ third party events
- ...

SMEs

Start-ups

Consumers

Open-Source Community

DEP & HE EU Projects

3rd Specific Service Procedure



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 **CYBERSTAND.eu**

**Apply for Funding to
Develop Standards for
the Cyber Resilience Act**

3rd SSP

**DEADLINE 27th Jan
17:00 CET**

APPLY NOW!

 **ECCC**
EUROPEAN CYBER CRIME CENTRE
COOPERATION & ENFORCEMENT

 **Co-funded by
the European Union**

Objectives STAN4CR (CEN and CENELEC) and STAN4CR2 (CEN, CENELEC and ETSI)

- ▶ To provide the WGs additional resources (Rapporteurs) to support the iterative drafting sprints, with a greater focus on ENQ readiness.
- ▶ To facilitate the drafting process by coordinating the standardisation efforts and ensure an appropriate alignment between different horizontal and vertical workstreams.
- ▶ To promote stakeholder engagement and gather feedback to have an increased diversity of views, improved public awareness of standardisation activities.
 - ▶ [Link with Cyberstand.eu project](#)

Currently looking for:

- ✓ Rapporteurs Firewalls intrusion detection and/or prevention systems
- ✓ Hardware Devices with Security Boxes
- ✓ Smart meter gateways within smart metering systems

Thank you



Lucia Lanfri
Project Manager Electrotechnology standardization and Digital Solutions

llanfri@cencenelec.eu

www.cencenelec.eu

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