

# IoT activities in CEN & CENELEC

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### The European Standardization System



International

Regional (European)

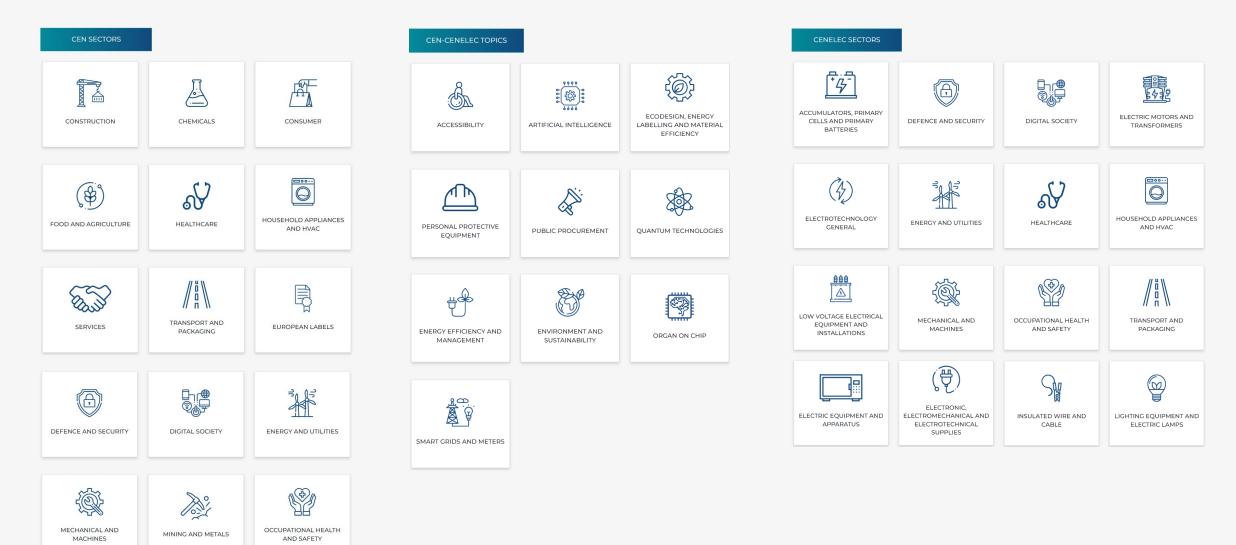
National



**43** National Standardization Organizations from **34** countries

### Areas of work





### **CEN IoT activities**



CEN/TC 224 'Personal identification and related personal devices with secure element, systems, operations and privacy in a multi sectorial environment'

addresses IoT privacy-related standardisation solutions, e.g.

• EN 419212-4 – 'Application Interface for Secure Elements for Electronic Identification, Authentication and Trusted Service'

### CEN/TC 225 'Automatic Identification and Data Capture (AIDC) technologies'

develops application-oriented European standards with the aim to promote the use of open and interoperable ways to identify objects, locations and industrial items.

These identifiers and data carriers centered standards serve as a corner stone for the development of interoperable solutions for data sharing in the context of the IoT.

### **CENELEC** activities



## CLC/TC 57 'Power systems management and associated information exchange'

develops European Standards for data models in power systems (EN IEC 61850-x), Application Program interfaces (EN IEC 61970-x) and Data and Communication security (EN IEC 62351-x).

#### CLC/TC 205 'Home and Building Electronic Systems (HBES)'

Published a European Standard on IoT Semantic Ontology Model Description (EN 50090-6-2), which explains the HBES IoT Model structures, semantically expressing the current HBES Open System solutions, with the goal of improving the semantic information HBES IoT gateways or HBES IoT devices provide

### Vertical integration



- Vertical sectors further address sector-specific IoT solutions, for example:
  - CEN/TC 251 'Health Informatics'
  - CEN/TC 278 'Intelligent Transport Systems'
  - CEN/TC 294 'Communication systems for meters'
  - CEN/TC 442 'Building Information Modelling (BIM)'



### Rolling Plan on ICT standardisation 2021



- Actions to support EU policies
- Result of annual dialogue in the Multi-Stakeholder Platform
- List all known areas for ICT standardization to support EU policy objectives
- Dedicated chapter on IoT, but many others are relevant





#### CEN – CENELEC – ETSI collaboration



- Some examples, on all levels:
  - Joint Technical Body eAccessibility
  - Coordination Group on Smart Grids
  - Coordination Group Green Data Centres
  - Working Group EU Policy
  - Working Group Privacy and Security

And of course Technical Liaisons



Whenever there is an interest/need/benefit/..., we can always explore collaboration