

AI standards and guidelines for European organisations

AI Governance and Standards Summit

Dr Sebastian Hallensleben

Chair, CEN-CENELEC JTC21
Chief Trust Officer, Resaro
Co-Chair AI Risk & Accountability, OECD ONE.AI
Programme Chair, Digital Trust Convention
Principal Advisor Digital Trust, KI Park



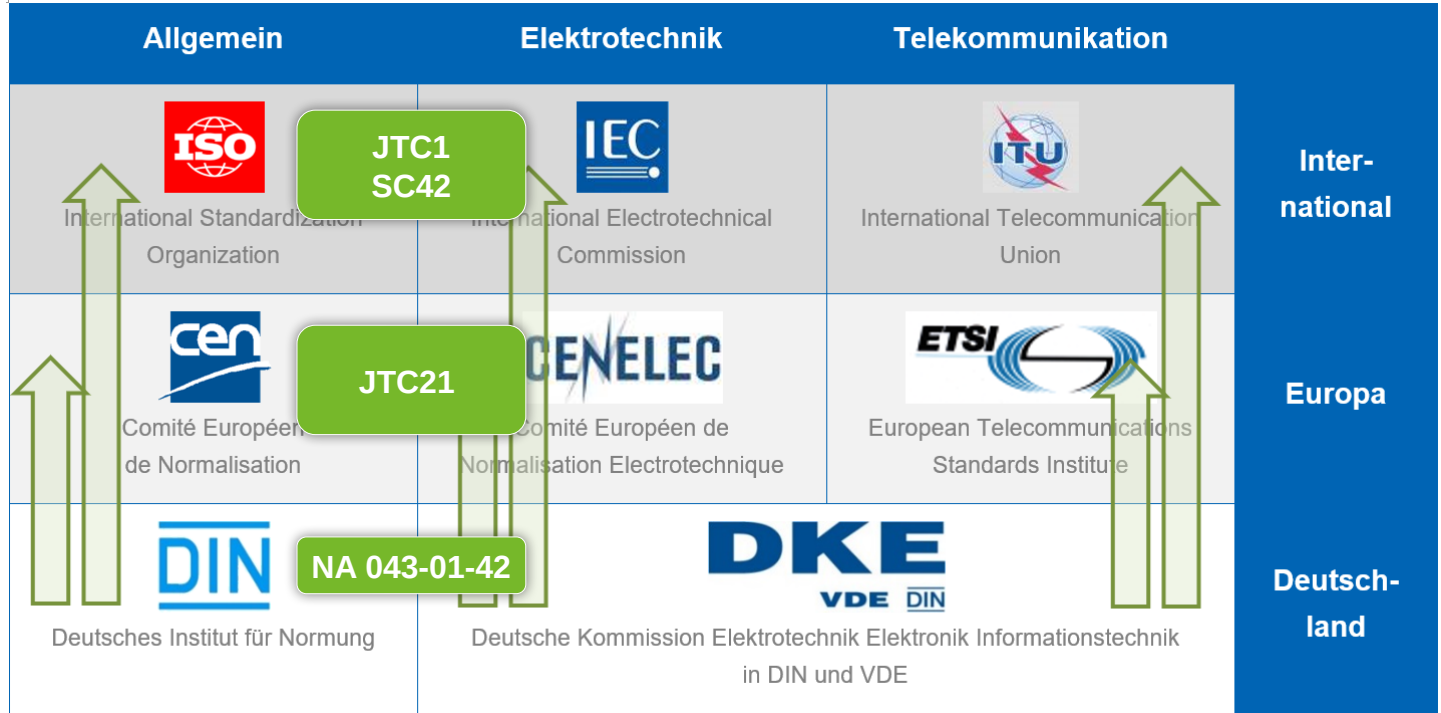
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www.linkedin.com/in/sebastianhallensleben

sebastian@hallensleben.org

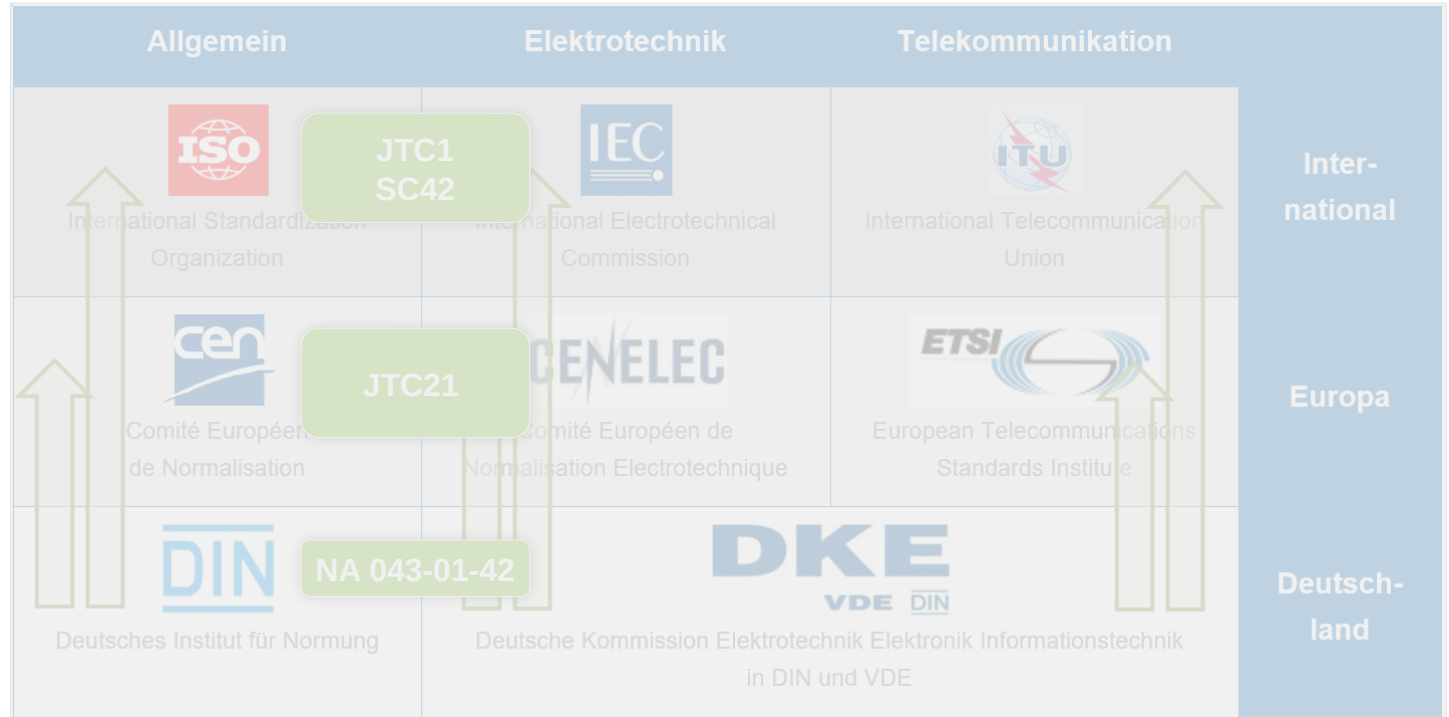


Global three-tier standardisation landscape



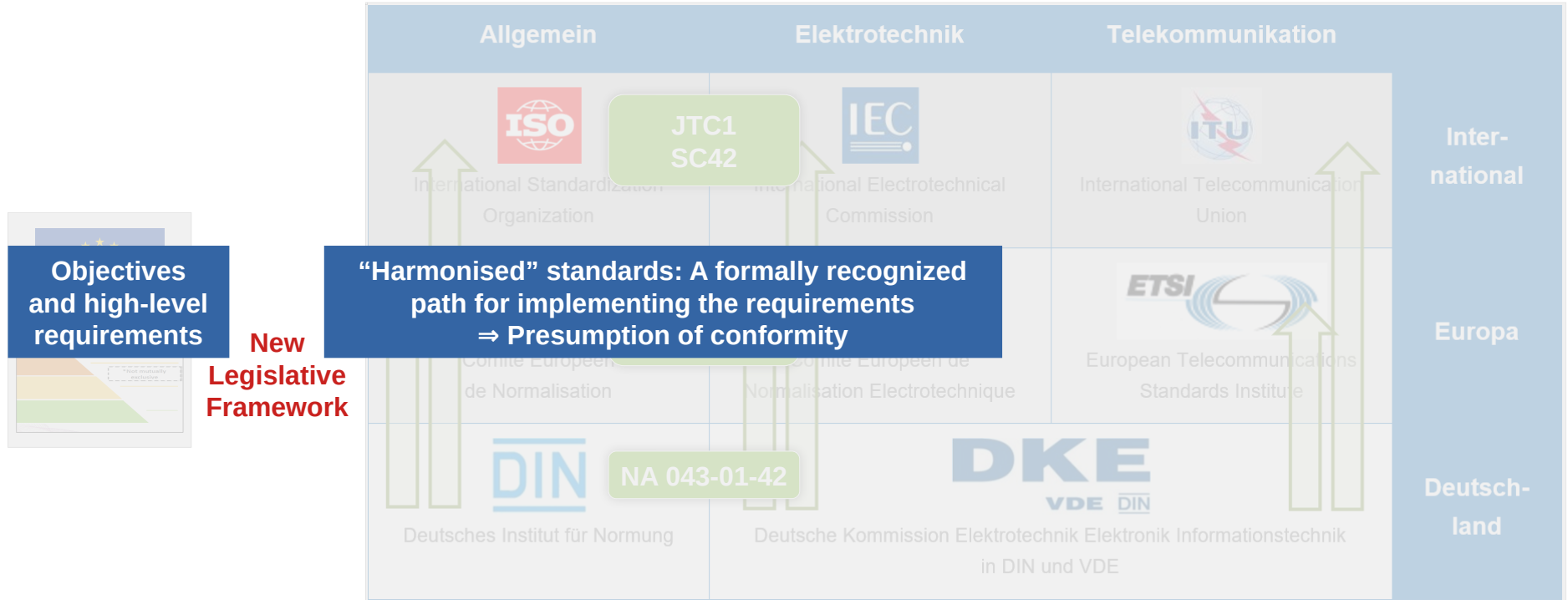
New
Legislative
Framework

Synergy of regulation and standardisation



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Legislative
Framework**

Synergy of regulation and standardisation



JTC21 Working Groups

- WG1: Strategic Advisory Group
- WG2: Operational Aspects
- WG3: Engineering Aspects
- WG4: Foundational and Societal Aspects
- WG5: Cybersecurity

(in collaboration with ETSI, ENISA and CEN-CENELEC JTC13)

~200 experts directly in JTC21
~25 countries
>1000 experts at national level

Record size due to -

- Breadth of stakeholders and interests
- Breadth of application areas
- High profile of AI

Standardisation has two deliverables

- **Visible:**

a set of interconnected and consistent **technical standards documents**

- **Invisible:**

consensus of “all relevant stakeholders” (=> **legitimacy**)

Includes many fundamental divergences, e.g. –

- safety and security communities
- EU and non-EU companies
- AI providers and AI deployers
- Large and small companies
- Industry and civil society

Challenges and Risks	Mitigation
- Standardising at the frontier of research Complex interplays between standards (e.g. safety vs. security “worlds”)	- AI standards work in CEN-CENELEC already since 2019 - Dedicated Technical Coherence Group in JTC21
Different interpretations of the AI Act and of what is required for a standard to be harmonisable - Attempts to re-negotiate the AI Act through standards	Intensive participation and input of AI Office in JTC21 JRC papers as guidance for controversial topics Direct harmonisation assessment (no consultants)
Time pressure due to - Unusually broad range of interests and priorities perfect – lightweight – consistent – timely – detailed – ... - Some stakeholders put their own interests above the need to compromise and to reach a timely consensus	Adaptations of CEN-CENELEC processes, procedural exceptions Prioritisation of resources in CEN-CENELEC MC - Extra secretarial bandwidth from national bodies ⇒ more time for consensus building
Complex relationship with international standardisation (content and timelines)	- Use of direct or modified adoption wherever possible - Judicious use of “parallel development”

Timeline

- CEN-CENELEC: AI Focus Group since **2019** | JTC21 since **2021**
- AI Act **final**: August 2024
- Stocktaking review by COM / AI Office **Feb 2025**
=> shared understanding of remaining gaps
- Public consultation for drafts of harmonised standards („**Enquiry Vote**“)
mostly starting **Nov 2025 to Feb 2026**
(QMS already underway)
- Integration of feedback („**Comment Resolution**“)
mostly in **Q2/ 2026** => mature content
- Implementation deadline high-risk requirements **Aug 2026** (?)
- Formal processes in CEN-CENELEC and COM / AI Office
for finalisation, harmonisation and OJEU publication

-
- ```
graph TD; A[Identify AI applications across the organisation
Map to risk categories, esp. high-risk] --> B[Scope the implementation project(s) for AI Act compliance;
plan/allocate resources]; B --> C[Execute the implementation project(s)
=> AI Act compliance via harmonised standards];
```
- Identify AI applications across the organisation
  - Map to risk categories, esp. high-risk

- Scope the implementation project(s) for AI Act compliance; plan/allocate resources

- Execute the implementation project(s)
- => AI Act compliance via harmonised standards

# JTC21 standards are currently distinct from the Code of Practice

|                                        | JTC21 harmonised standards                                                                                                                                                                                                                                                                                                                                                                                            | Code of Practice                                                                                                                                                                                                                                       |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Providing implementation steps for ... | Requirements on AI systems in high-risk applications – Articles 8 to 15 <ul style="list-style-type: none"><li>• <b>All</b> types of AI</li><li>• <b>Late</b> stage of value chain</li></ul>                                                                                                                                                                                                                           | Requirements on General Purpose Models – Articles 53, 55 <ul style="list-style-type: none"><li>• Generative AI <b>only</b></li><li>• <b>Early</b> stage of value chain</li></ul>                                                                       |
| Development context and process        | <ul style="list-style-type: none"><li>• Broadly applicable complex set of CEN-CENELEC regulations</li><li>• Decision making power with standardisation bodies at national level who also provide secretarial support (~25 countries)</li><li>• Input from ETSI (under Mode 4)</li><li>• Input from ISO/IEC (under Vienna/Frankfurt agreements)</li><li>• Ongoing feedback/guidance from EC at working level</li></ul> | <ul style="list-style-type: none"><li>• Custom process and structure created for CoP development purposes</li><li>• Process directed by AI Office with outsourced facilitation support</li><li>• Decision making power is with the AI Office</li></ul> |

**Harmonised standards and CoP are both voluntary,  
but have a special status as the path to AI Act compliance with legal certainty**

# Beyond AI governance frameworks: Mission-specific, performance-focused metrics for AI quality

- ◆ Initiated by Resaro and others, developed in an open source approach ( [www.resaro.ai/asqi](http://www.resaro.ai/asqi) ), as a first step towards standards
- ◆ Purpose: A shared language for business, governance and technical teams to answer questions such as -
  - When is an AI solution **“good enough”** to go live?
  - Which one of several AI solutions is **“better”** in a given scenario?



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