

Harmonised standards for the AI Act in the European and OECD context

AI Security Standards: NASK Workshop

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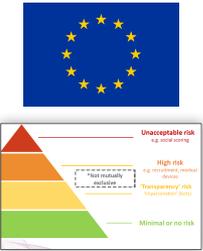
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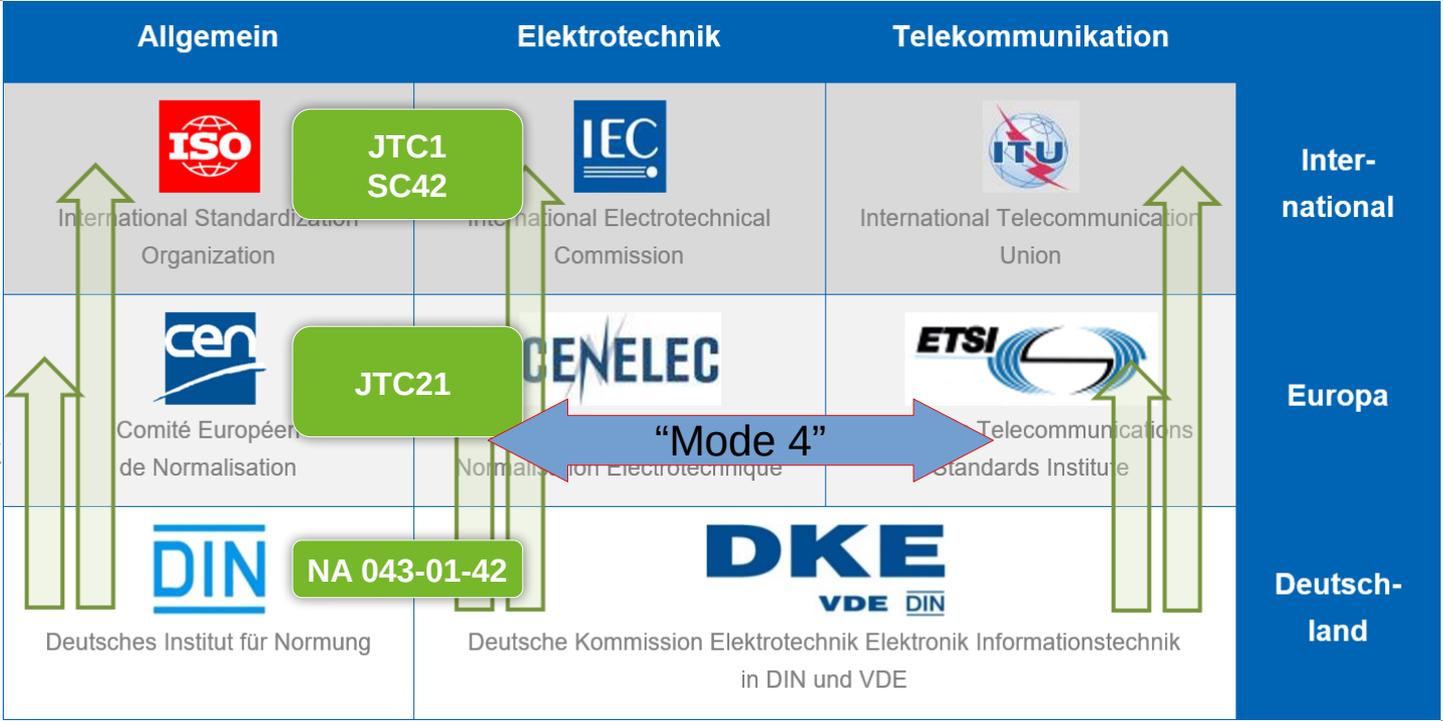
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Global three-tier standardisation landscape



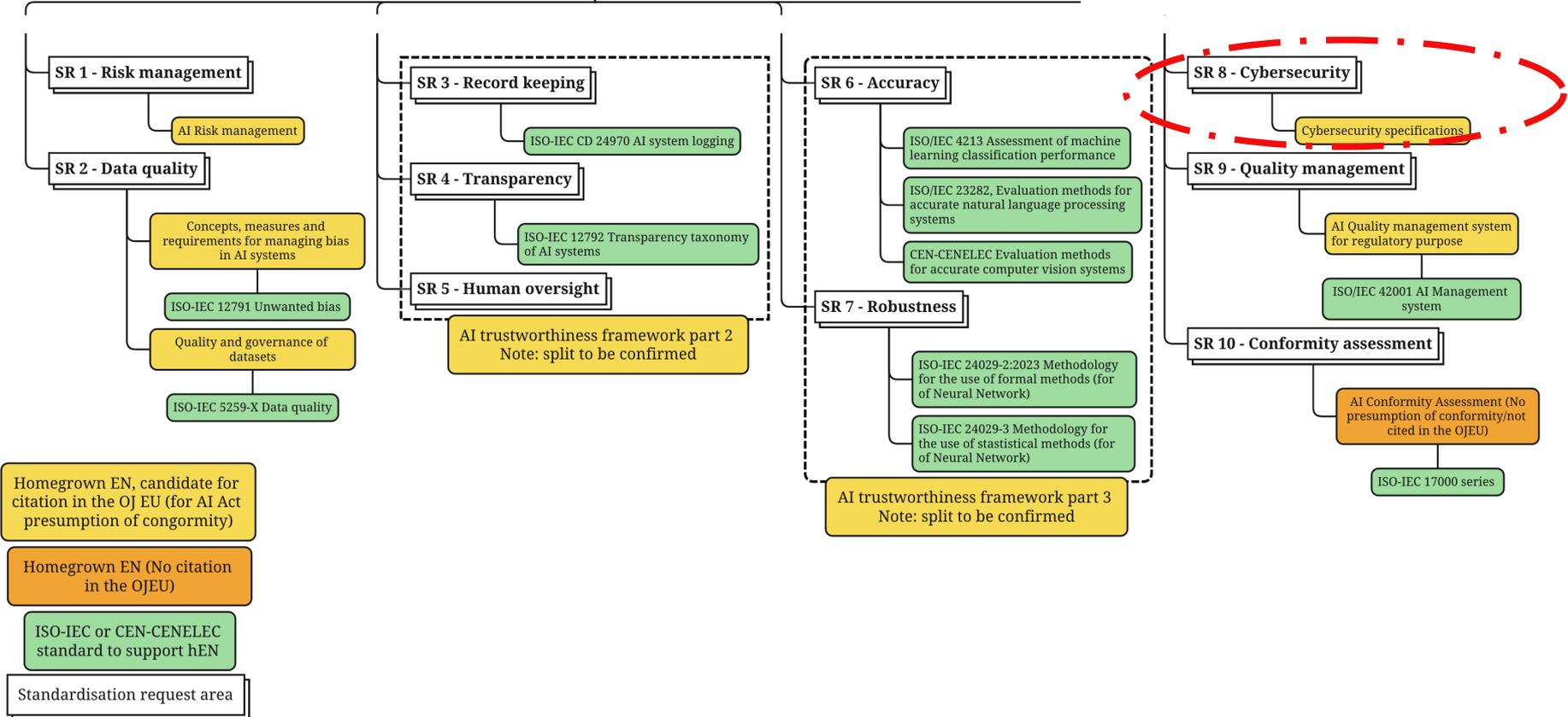
New Legislative Framework



Standardisation request of the European Commission

| | |
|----|---|
| 1. | European standard(s) and/or European standardisation deliverable(s) on risk management system for AI systems |
| 2. | European standard(s) and/or European standardisation deliverable(s) on governance and quality of datasets used to build AI systems |
| 3. | European standard(s) and/or European standardisation deliverable(s) on record keeping through logging capabilities by AI systems |
| 4. | European standard(s) and/or European standardisation deliverable(s) on transparency and information provisions to the users of AI systems |
| 5. | European standard(s) and/or European standardisation deliverable(s) on human oversight of AI systems |

| | |
|-----|--|
| 6. | European standard(s) and/or European standardisation deliverable(s) on accuracy specifications for AI systems |
| 7. | European standard(s) and/or European standardisation deliverable(s) on robustness specifications for AI systems |
| 8. | European standard(s) and/or European standardisation deliverable(s) on cybersecurity specifications for AI systems |
| 9. | European standard(s) and/or European standardisation deliverable(s) on quality management system for providers of AI systems, including post-market monitoring process |
| 10. | European standard(s) and/or European standardisation deliverable(s) on conformity assessment for AI systems |



Working Groups

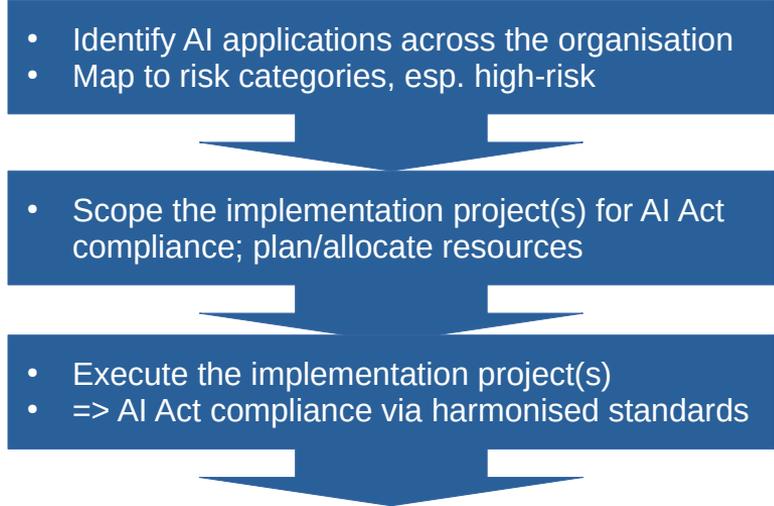
- **WG1: Strategic Advisory Group**
- **WG2: Operational Aspects**
- **WG3: Engineering Aspects**
- **WG4: Foundational and Societal Aspects**
- **WG5: Cybersecurity**
(in collaboration with ETSI, ENISA and CEN-CENELEC JTC13)

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



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 from **Q3 / 2025**
- Integration of feedback („**Comment Resolution**“) mostly in **Q4 / 2025** and early 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



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

Initiation of a standardisation request based on the CoP expected for H2/2025.

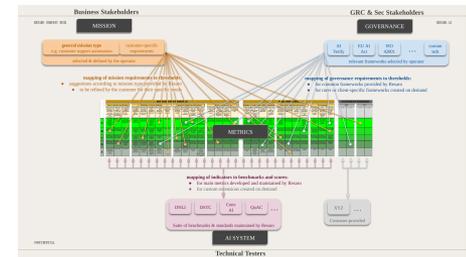
Beyond consolidating horizontal AI governance frameworks: Mission-specific & performance-focused metrics

Currently initiated from within Resaro,
building industry “coalitions of the willing” to develop -

- ◆ vertical, mission-specific quality metrics, **including for security**
- ◆ thus creating 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?



resaro

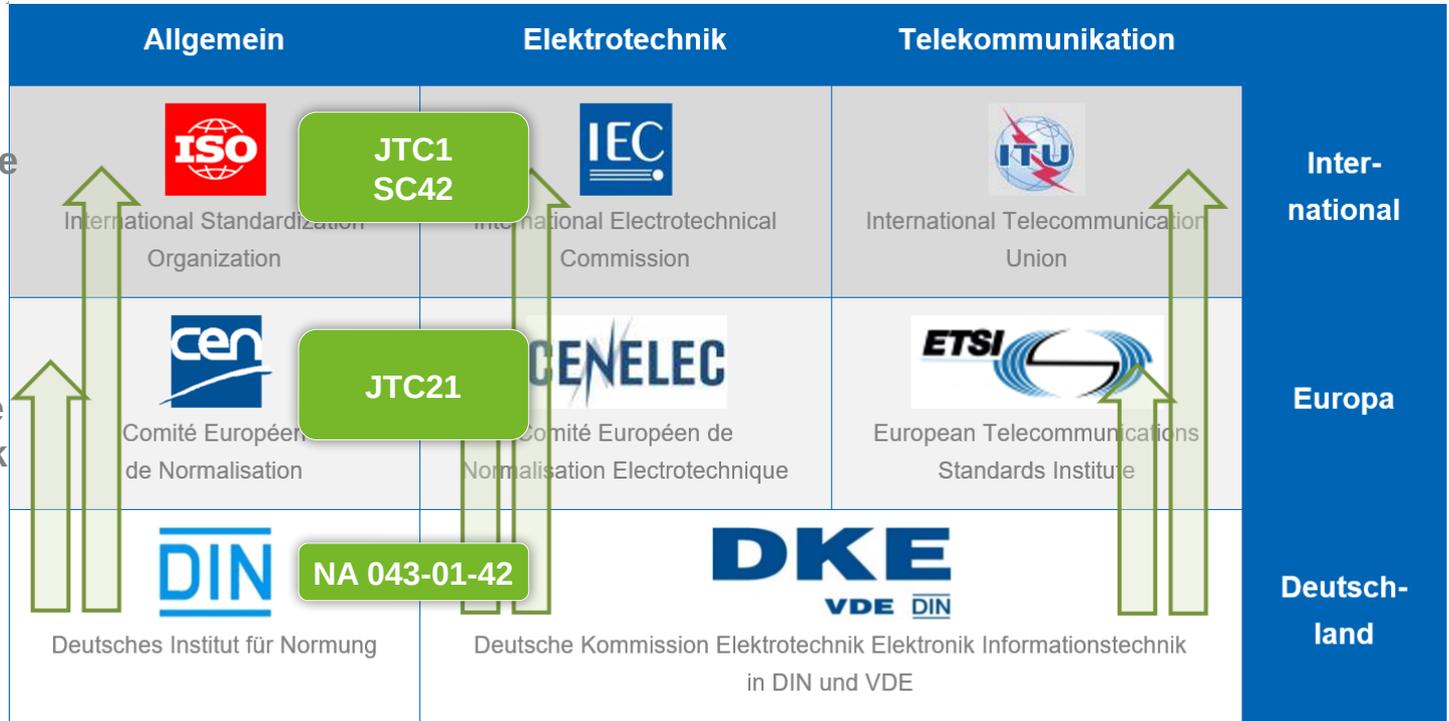
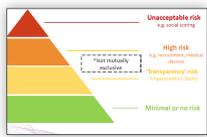




DDG for Responsible Business Conduct



New Legislative Framework



Guidelines for Multinational Enterprises on Responsible Business Conduct

- Existing **enforcement mechanism**
- OECD ONE.AI Expert Group on AI Risk & Accountability is working towards adding a chapter on **AI Governance**
- **Points to broad range of existing AI risk management standards and frameworks** for practical implementation, including NIST RMF, ISO 31000, IEEE 7000, IEC Guide 51, ...

