

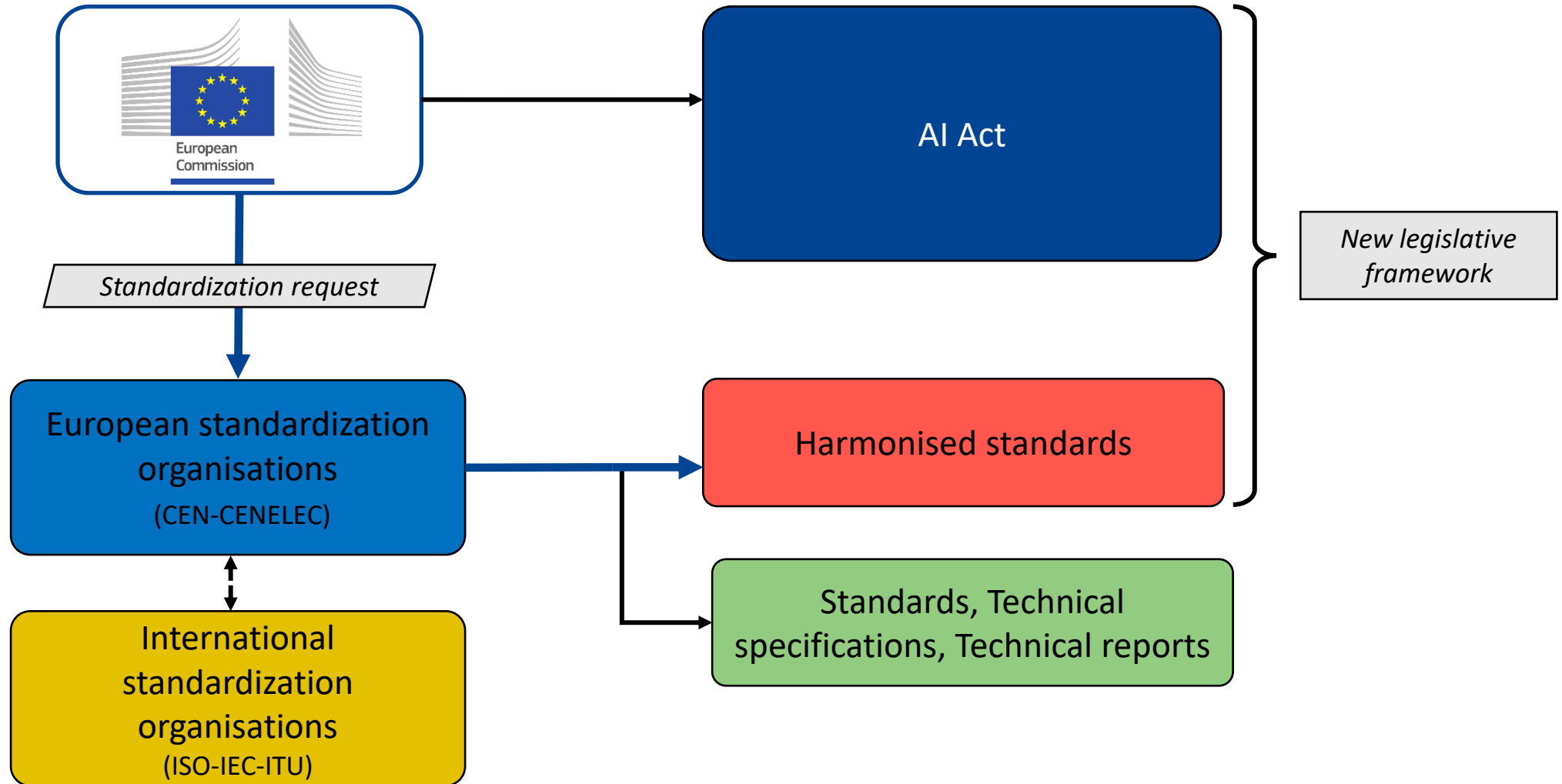
**JTC 21 PRELIMINARY VIEWS
ON
AI ACT TIMELINE
AND
HORIZONTAL/VERTICAL INTEGRATION**

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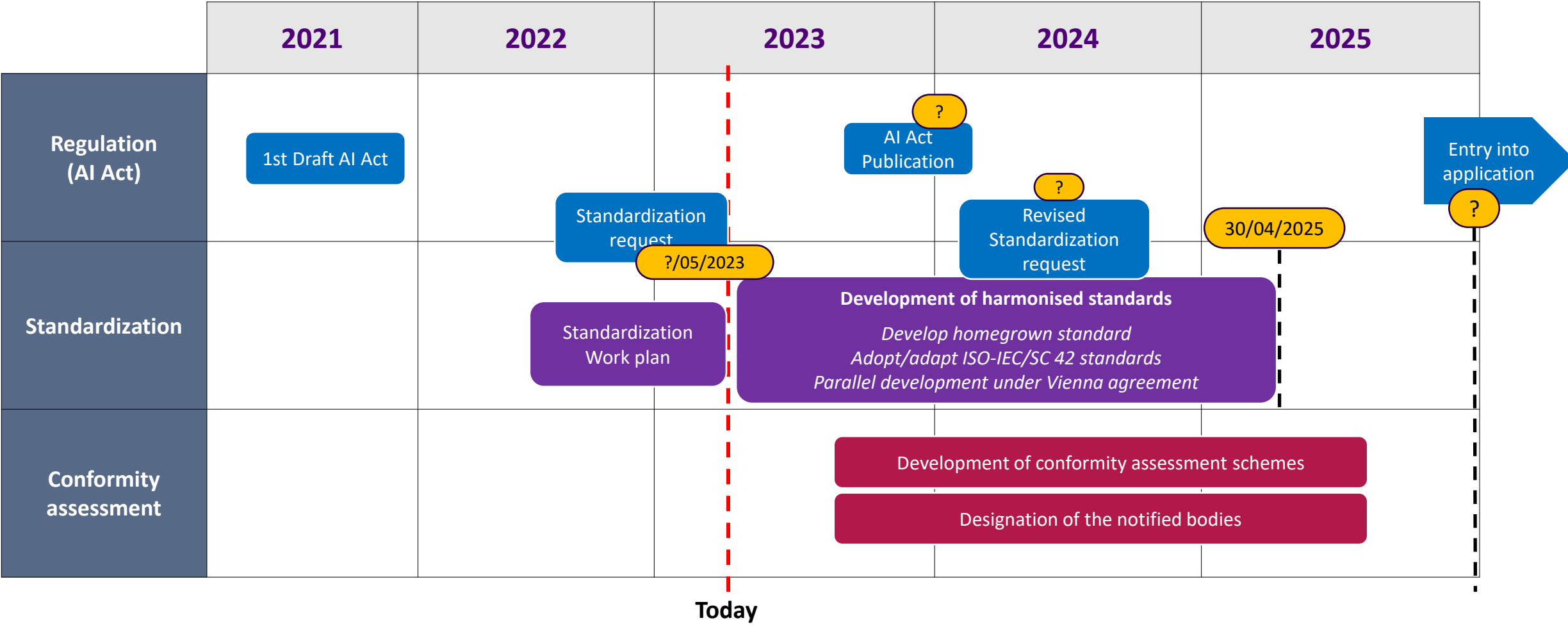
**REGULATORY CONTEXT
&
TIMELINE**

New regulatory and standard framework on AI

ARTICULATION BETWEEN REGULATION AND STANDARDIZATION



General timeline for horizontal harmonized standards development



« HORIZONTAL » CONTEXT

Request for standardization to strengthen the AI act

Standardization request

1. **risk management system** for AI systems
2. **governance and quality of datasets** used to build AI systems
3. **record keeping** - built-in logging capabilities in AI systems
4. **transparency and information** to the users of AI systems
5. **human oversight** of AI systems
6. **accuracy** specifications for AI systems
7. **robustness** specifications for AI systems
8. **cybersecurity** specifications for AI systems
9. **quality management system** for providers of AI system
10. **conformity assessment** for AI systems



We need a horizontal approach to unleash the potential of artificial intelligence in all areas. **A cross-cutting technology can only be effectively regulated by horizontal rules** that provide solutions to common challenges.


Commissioner Thierry Breton

- Set of AI standards to be published by Q2 2025
- CEN-CENELEC JTC 21 will:
 - Adopt/adapt ISO-IEC/SC 42 standards
 - Develop standards jointly with SC 42
 - Develop homegrown standard if/when needed

Request for standardization to strengthen the AI act

Cybersecurity requirements

Standardization request

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Article 42 of the draft AI Act foresees the presumption of conformity of the cybersecurity requirements based on EU cybersecurity certification schemes

Request for standardization to strengthen the AI act

Cybersecurity bits... everywhere in the SR !!!!!

Standardization request

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Some requirements cover simultaneously:

- quality,
- safety,
- cybersecurity,
- privacy...

I A few challenges....

I. Multi-dimensional complexity

- *Regulation environment: AI Act, Cyber-security Act, Cyber-resilience Act, Data Act, Data Governance Act...*
- *Technical complexity: AI, cyber, hardware, infrastructure...*
- *Horizontal/Verticals standardization interplay*

II. Conformity assessment/notified bodies

- *Governance (who does what? One or multiple schemes?), Competences (auditors, notified bodies, testing facilities...), Management system vs. Products...*

III. Requirements/specifications overlaps

- *Requirements/specifications covering simultaneously cybersecurity, quality, safety, trustworthiness...*
- *Multiple management systems (ISO 42001, 27001, 27701, 9001)*

| JTC 21 approach

- A. Creation of a task group on cybersecurity of AI systems
 - Aim at creating a joint Working Group with ETSI and JTC 13 on AI cybersecurity

- B. Creation of a task group to address Horizontal/Verticals interplay
 - One size does not fit all: Notion of Trustworthiness application profiles?

- C. Potential creation of a task group on AI standards architecture
 - Aim at understanding the relationship between all AI Act related future harmonized standards