Standards:
Enabler or Barrier for AI?

Expert Talks KI & digitale Innovation
November 12, 2026

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RIGHTMINDED AI

INTERNATIONAL STANDARD

ISO 17572-3:2015

Edition 2
2015-01

Intelligent transport systems (ITS) — Location referencing for geographic databases — Part 3: Dynamic location references (dynamic profile)

Reference number
ISO 17572-3:2015

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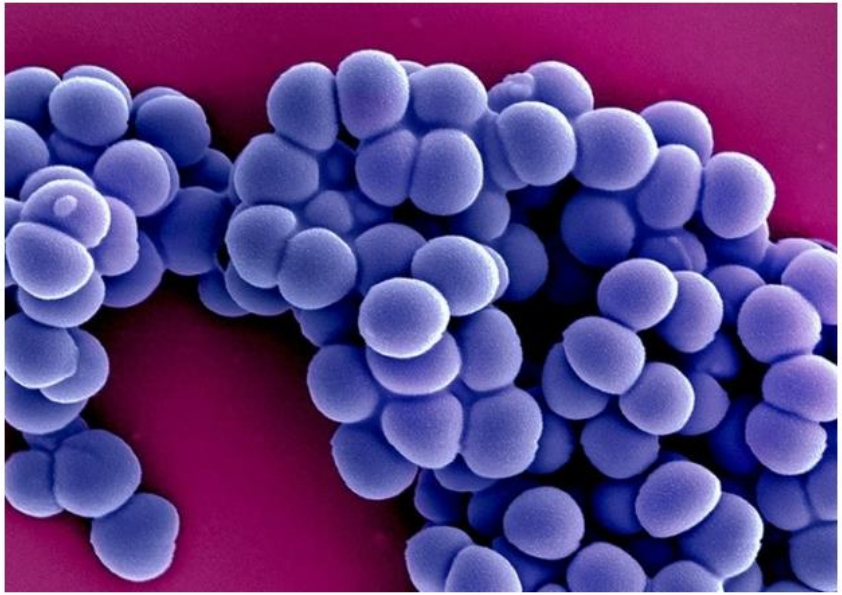


Using artificial intelligence, researchers design new compounds that kill antibiotic-resistant bacteria

AI-based approaches yield novel antibiotics that show promise against gonorrhea and MRSA.

By Anne Trafton, MIT News

August 15, 2025



Credit: NIAID

Methicillin-resistant Staphylococcus aureus (MRSA)



Standard → Innovation

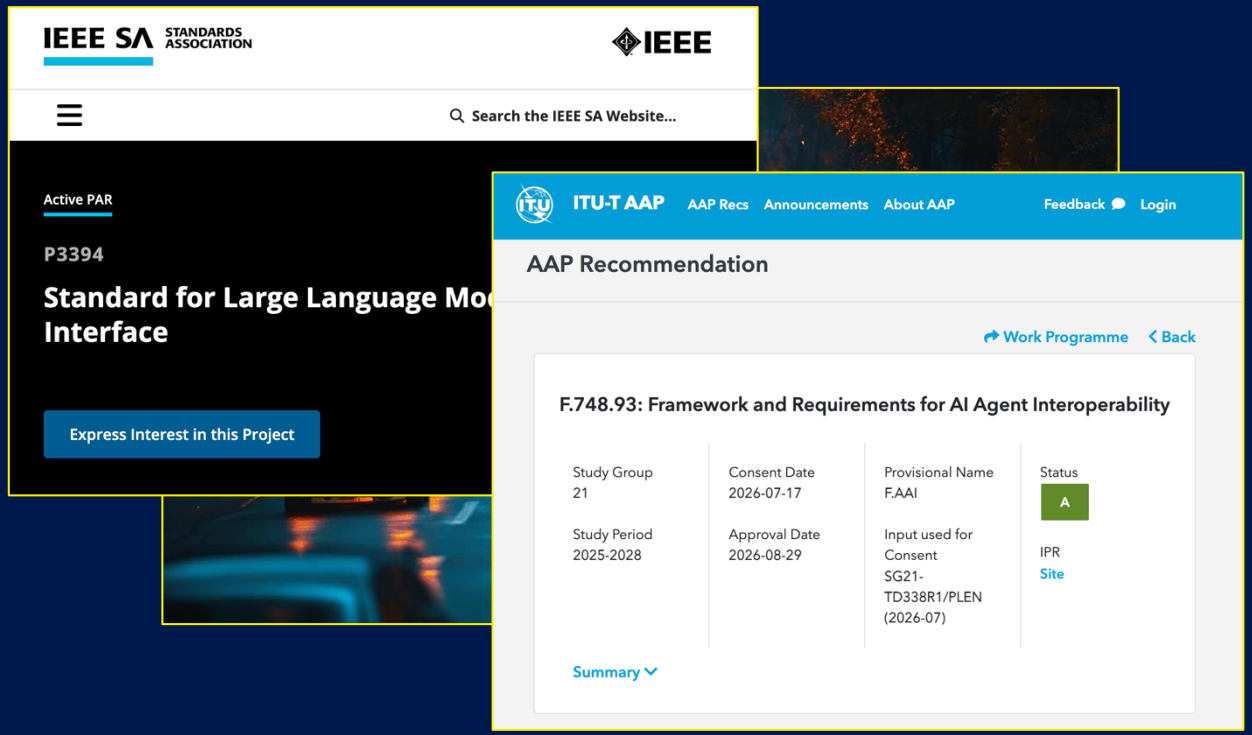
…and how does that relate to regulation?

Standard types with the potential to support innovation

- Compatibility / Interoperability
- Information
- Variety Reduction
- Minimum Quality / Safety

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Read sample

ISO/IEC 22989:2022

Information technology — Artificial intelligence — Artificial intelligence concepts and terminology

Published (Edition 1, 2022)

3.1 Terms related to AI

3.1.1
AI agent
automated (3.1.7) entity that senses and responds to its environment and takes actions to achieve its goals

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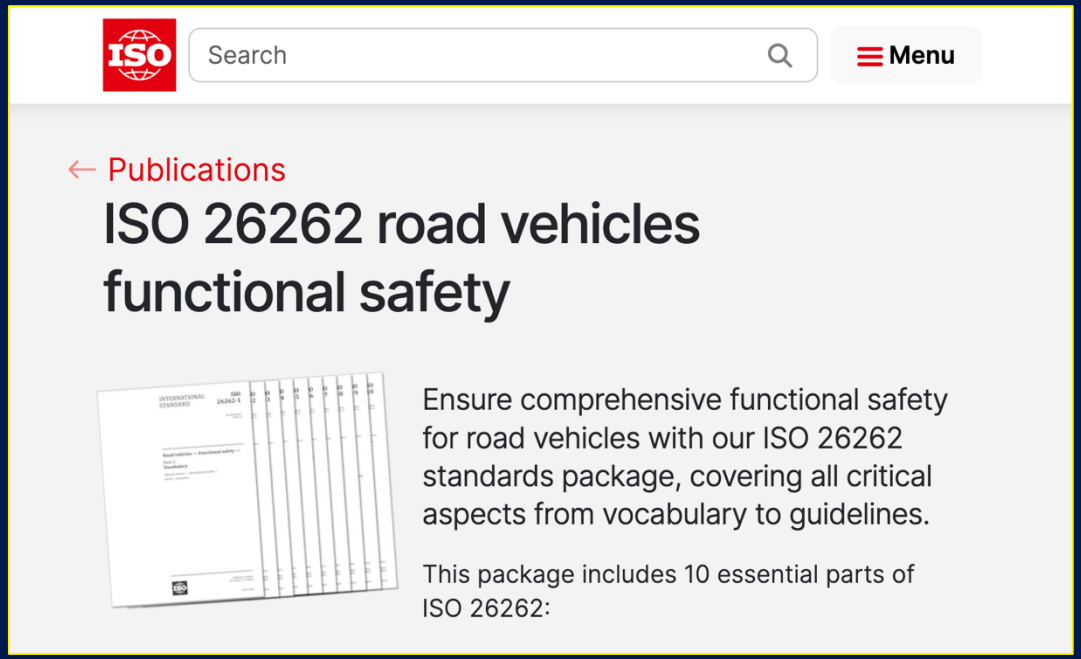




Image: https://de.wikipedia.org/wiki/Betamax, picture by Ya, saya inBaliTimur, under CC-BY-SA

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Effects of standards for minimum quality / safety

- Compatibility / Interoperability
- Information
- Variety Reduction
- Minimum Quality / Safety

Positive Effects	Negative Effects
• Avoiding adverse selection • Creating trust • Reducing transaction costs	• Raising rival's costs

Source: K. Blind: The Impact of Standardization and Standards on Innovation, Nesta Working Paper No. 13/15

Effects of standards for minimum quality / safety

- Compatibility / Interoperability
- Information
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X_1: Inclusive standardization process (and standards)

Involve all stakeholders in open, transparent and consensus-based standardization processes

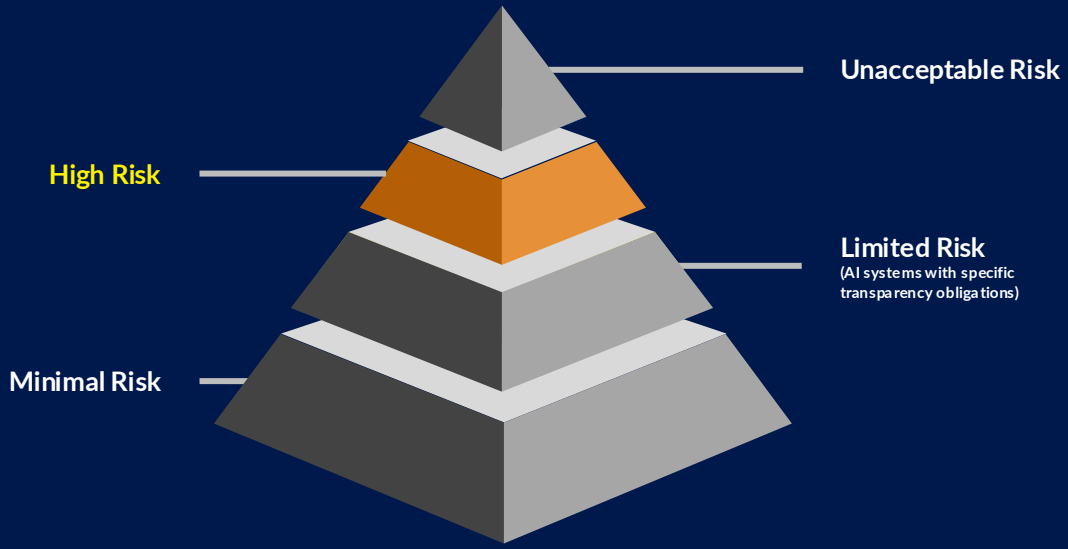
X_2: Focus on outcomes

Initiate the development of performance instead of [solution] standards

Source: K. Blind: The Impact of Standardization and Standards on Innovation, Nesta Working Paper No. 13/15

...and how does that relate to regulation?

The EU AI Act focuses on high-risk AI systems



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Standard + X → Innovation

X_1: Inclusive standardization process (and standards)

Involve all stakeholders in open, transparent and consensus-based standardization processes

Risk: Lack of Stakeholder Involvement

Risk: Flawed Process

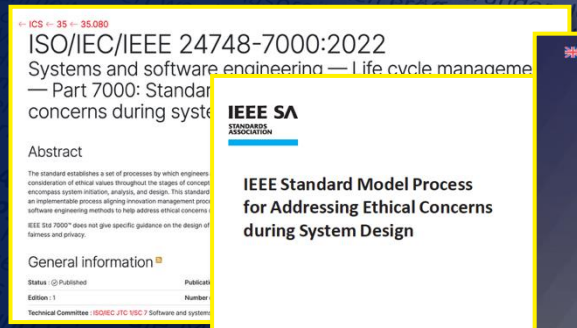
Risk: Externalities (e.g. Regulatory Sandboxes)

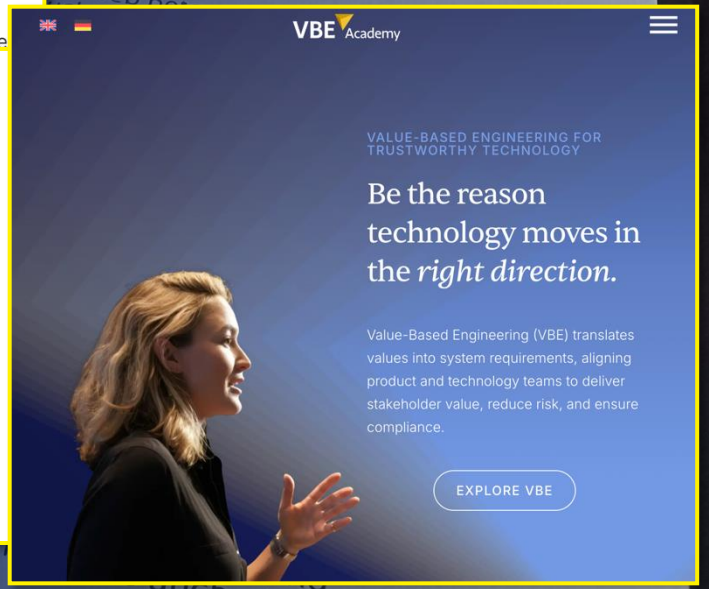


X_2: Focus on outcomes

Initiate outcome-based instead of prescriptive standards

Risk: Failing to understand desirable outcomes





https://vbe.academy


!
Standard + X ➔ Innovation
We need X!

Different approaches to regulation internationally

Different approaches to regulation globally
(in general and for AI in particular)

Standards are an integral part of the EU's strategy



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AI firms hit in worst stock market crash for 18 months

Nvidia and other AI-related companies, including Tesla and Micron, all sunk dramatically lower on Thursday

Karl Matchett
Friday 06 November 2026 08:28 GMT

8 Comments

There are concerns that Democrats may not be as receptive or as easy to work with across the building of datacentres as the Trump administration have been, as well as additional regulation worries.

Takeaways

Standards can play an important role in fostering innovation.

To have that effect, process and resulting standard need to meet certain conditions (“**X**”).

Even in conjunction with regulation, **X** is needed.

Vielen Dank.

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