

17th GIO Roundtable

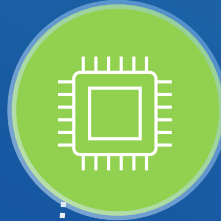
Standardisation for AI-enabled Industries

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3/03/2026

SOME BACKGROUND ABOUT ETSI

35+ years at the heart of digital standardisation



From European roots to driving global standards



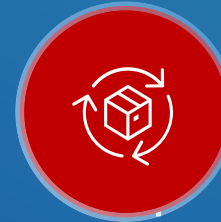
Over 900 members: direct participation and inclusiveness.



Global Reach and Partnerships
Founding partner of 3GPP



Independent, neutral, open & transparent



Flexible processes and Standards free of charge



CIRCLES OF TRUST

Reducing friction, costs, and time to market

ACCELERATING INNOVATION

Building confidence through consistent, reliable frameworks

NETWORKED INNOVATION

Each innovation builds on past inventions and existing suppliers
Competition and Collaboration in parallel



GSM is a prime example of successful standardization, launched in the early 1990s. Its widespread adoption harmonized mobile communication globally, paving the way for seamless international roaming and revolutionizing human connection.

- Today, industrial integration of AI is case-by-case
- To unlock the full potential, needs to be easier, faster
- Better training data
- Easier access to system data (for training, digital twins)
- Programmability (for agents)



Standards for

- Sources of data
- Data formats
- Data spaces
- Training data
- Programmability of systems
- APIs, Open Interfaces
- Security
- Performance and quality metrics



TC SAI: A DEDICATED TECHNICAL COMMITTEE ON SECURING AI

TC SAI focuses on the development of standards that **mitigate against threats** arising from the deployment of AI, and threats to AI systems, from both other AIs, and from conventional sources. It also addresses the use of AI to **enhance security measures** against attacks.

In other terms, TC SAI looks at:

- AI is the **component** in the system that needs defending.
- AI is (part of) the **“problem”**.
- AI is (part of) the **“solution”**.

In addition, TC SAI also develops standards on **societal security** and **safety aspects** of the use and application of AI.



A GLOBAL EUROPEAN STANDARD FOR SECURING AI SYSTEM (EN 304 223)

TC SAI recently (December 2025) published a **first globally applicable** European Standard for AI cybersecurity.

EN 304 223 brings:

- AI-specific **cybersecurity requirements**
- Protection against emerging **AI threats**
- **Lifecycle approach**: design to end of life
- **Aligned with international AI models**
- Applicable to **real-world & generative AI**.



The Technical Committee on Methods for Testing and Specification (TC MTS) has a dedicated Working Group on AI.

TC MTS WG AI:

- Develops standardisation methodologies for **trustworthy, testable, and auditable AI** across the full AI lifecycle
- Creates frameworks for **AI testing, documentation, certification, and conformity assessment**
- Addresses **governance and assurance** of AI systems through standardised practices
- Explores the use of **AI to automate and enhance testing and auditing** processes

ETSI TC MTS WG AI has launched a project to further develop Technical Report **TR 104 119** (Guidelines for Documentation of AI-enabled Systems)

- Objective: **validate the AI documentation approach** through selected **High-Risk AI and GPAI use cases**
- Participants are invited to **submit use cases and corresponding requirements**

via a questionnaire

- More information at: <https://portal.etsi.org/TB-SiteMap/MTS/Call-for-Use-Cases>



Scope: Develop deliverables to support **the deployment and operation of distributed data solutions**

- **Connectivity:** data in transit
- **Storage:** data at rest
- **Compute:** data in process

A EUROPEAN EFFORT

Collaboration with CEN/CENELEC Joint Technical Committee 21 (JTC21 - **Artificial Intelligence**) and JTC25 (**Data** management, Dataspaces, Cloud and Edge)



Thank you for your attention

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