



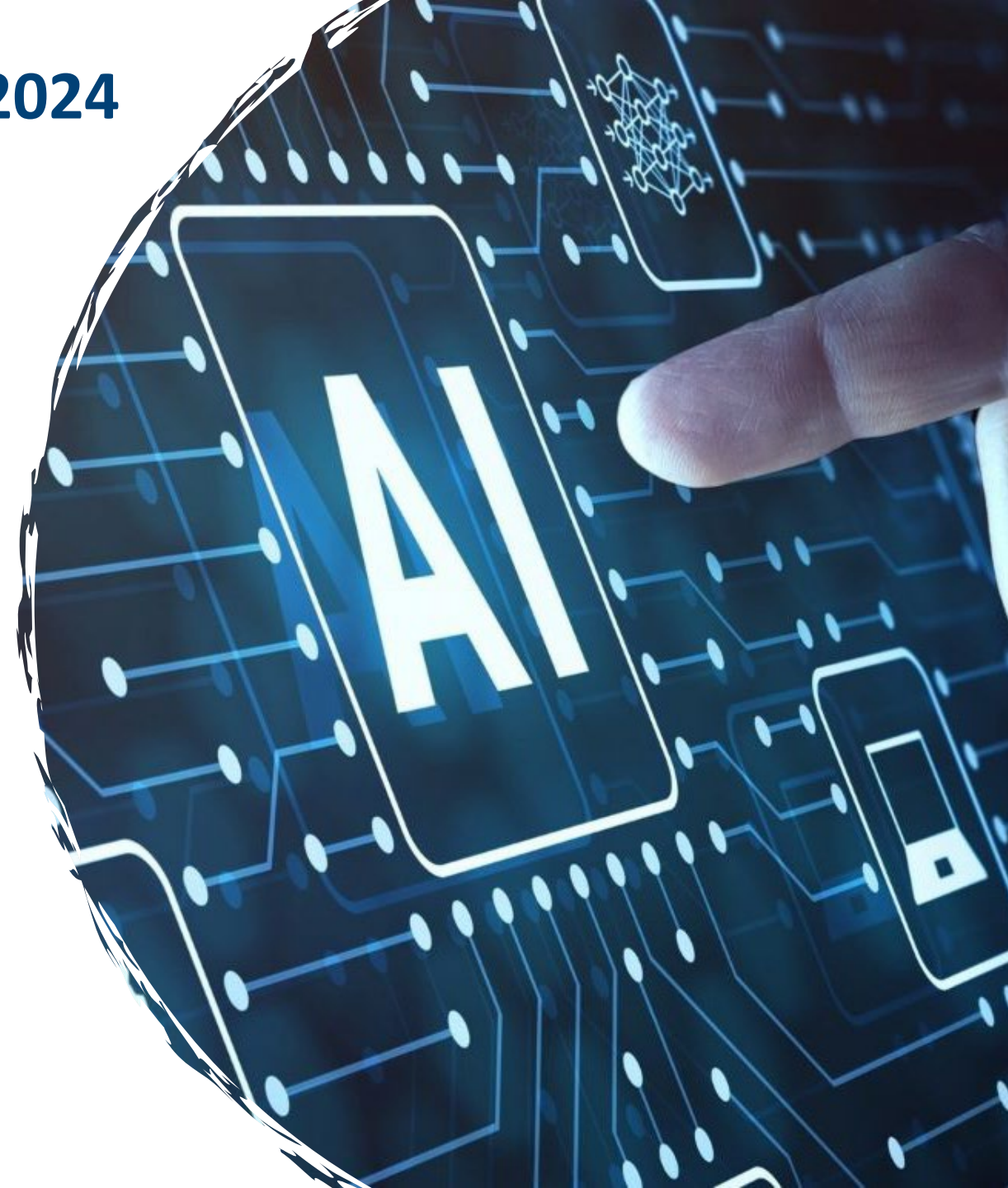
ETSI AI Conference 2024

MTS AI Group's Efforts in Testing, Auditing, and Documentation Schemes

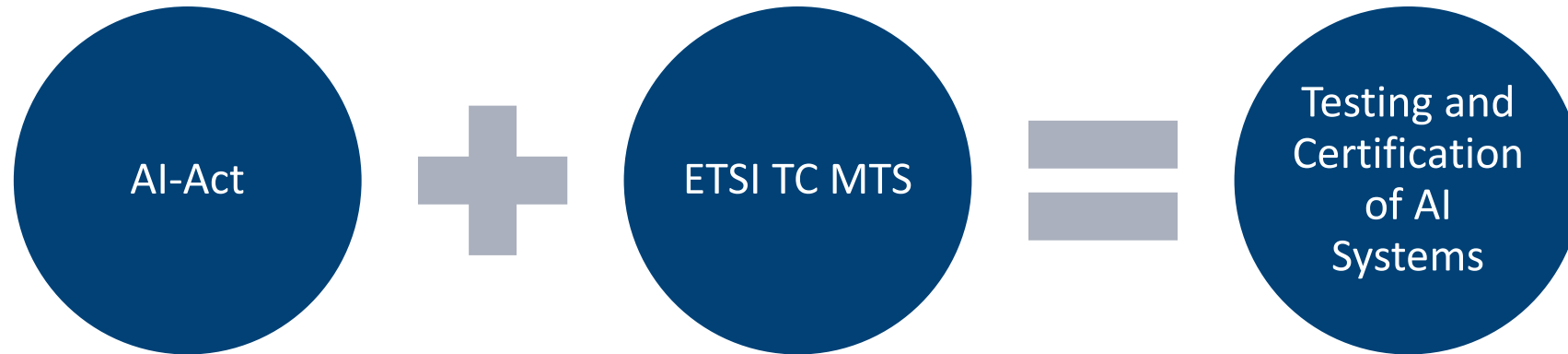
Presented by: Dorian Knoblauch



06/02/2024



From ETSI MTS Agenda to AI Group Mission



- ETSI TC MTS provides technologies, tools, and guidelines on testing and certification of protocols and other systems, including AI systems
- MTS AI Group: Laying the Groundwork for Testing and Certification of AI Systems
- Current Focus: Testing, Documentation, and Conformity Assessment

Requirements from the EU-AI Act.

EU AI-ACT

Testing
procedures

documentati
on of a high-
risk AI system

Harmonised
Rules and
Risk
Methodology

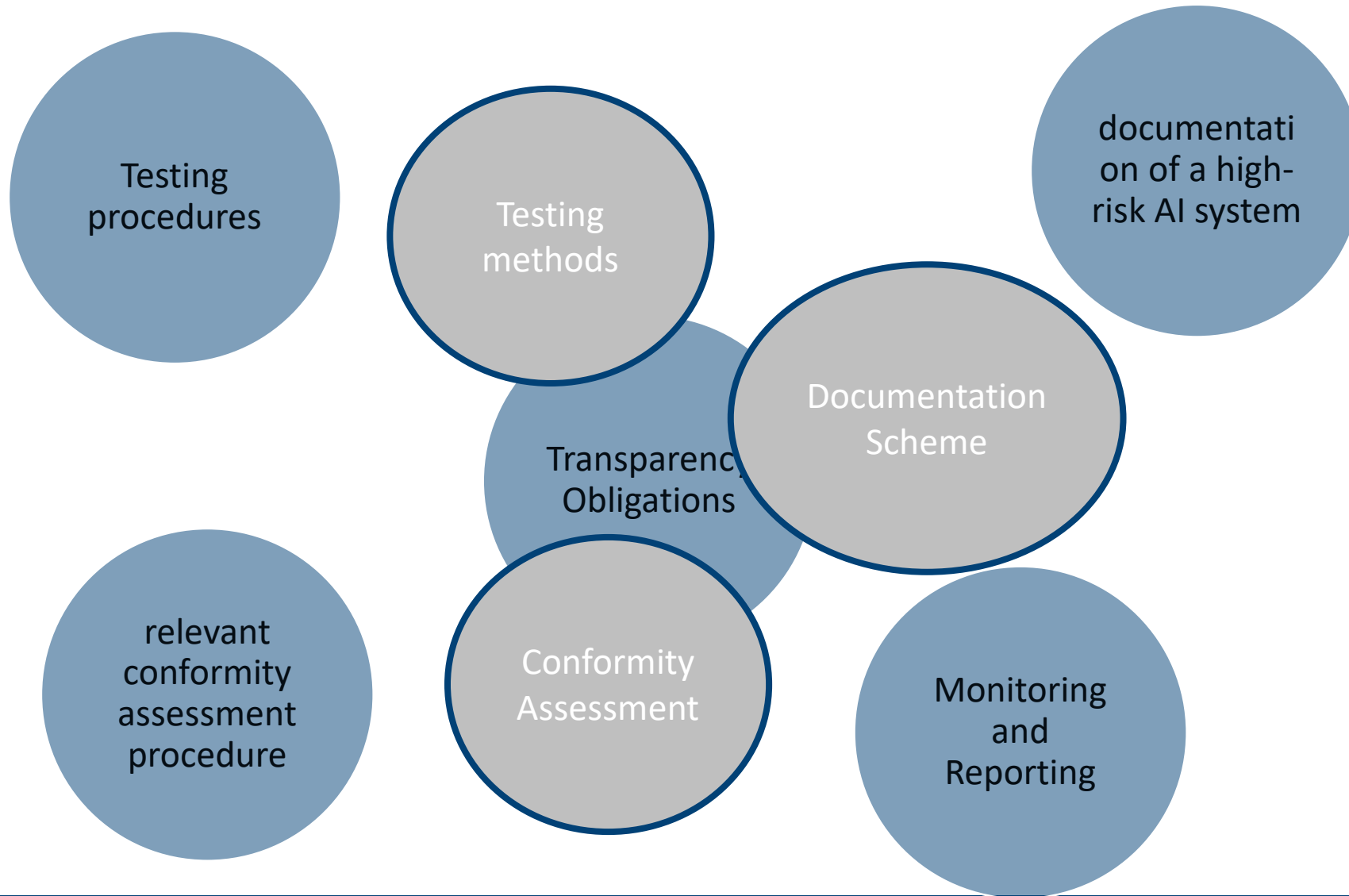
Transparency
Obligations

relevant
conformity
assessment
procedure

Monitoring
and
Reporting

Codes of
Conduct for
Non-High-
Risk AI
Systems

Groundwork for Testing and Certification



Groundwork for Testing and Certification

Testing
methods

TR 103 910: Framework for testing AI systems,
focusing on machine learning complexities

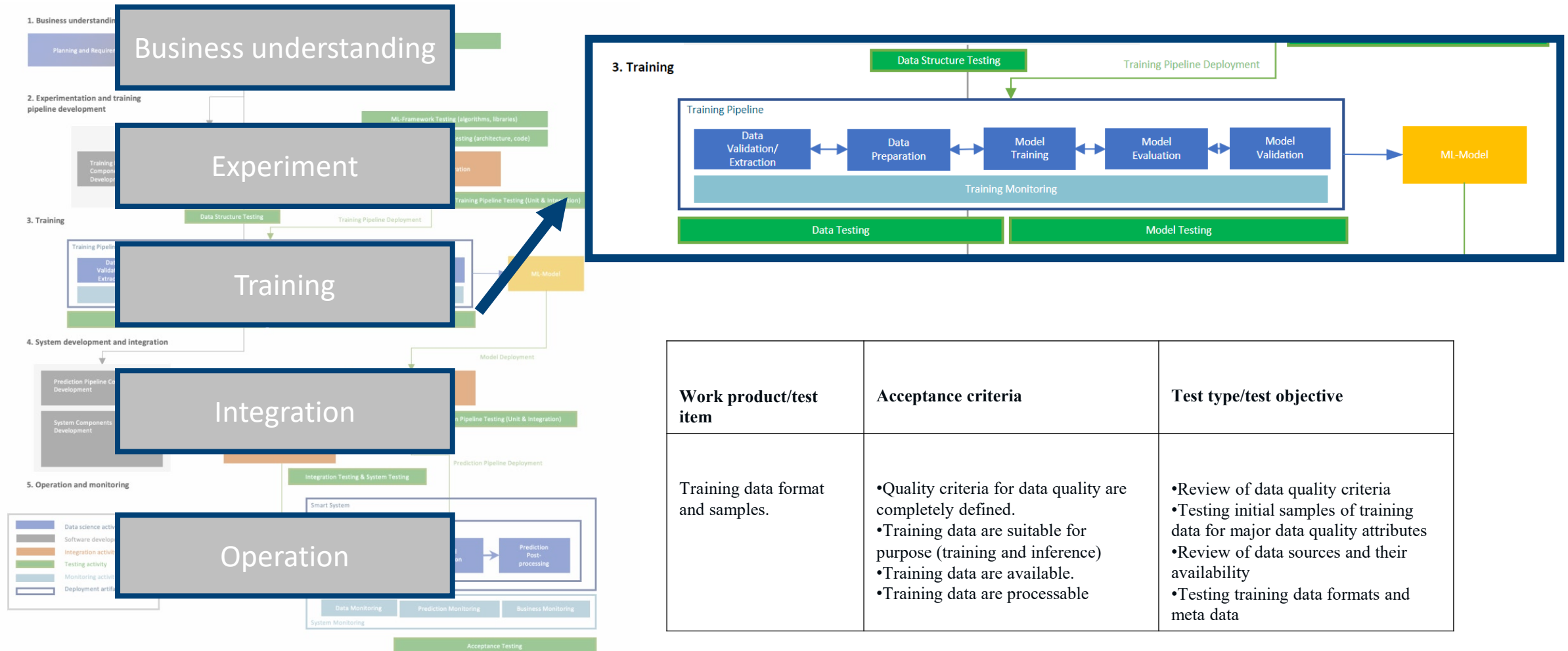
Documentation
Scheme

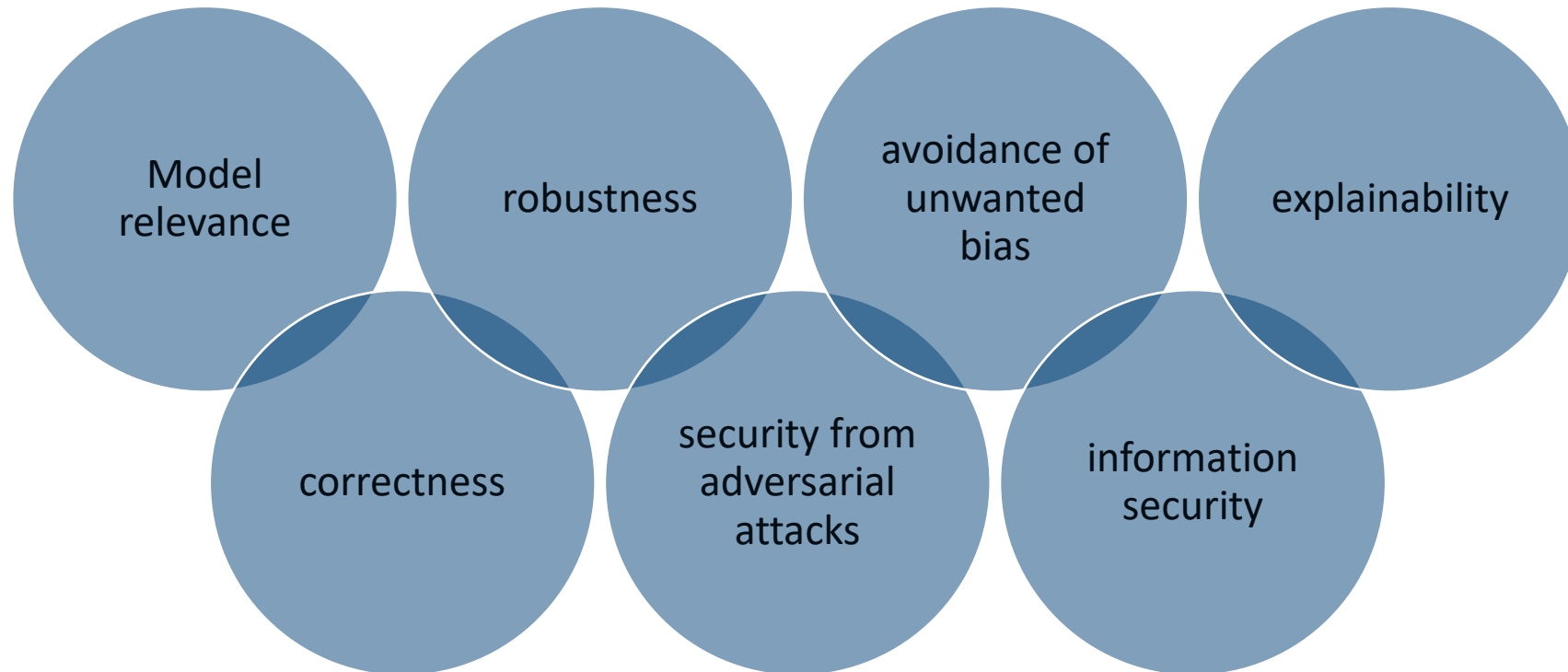
TTF T038: Developing harmonized AI
documentation standards.

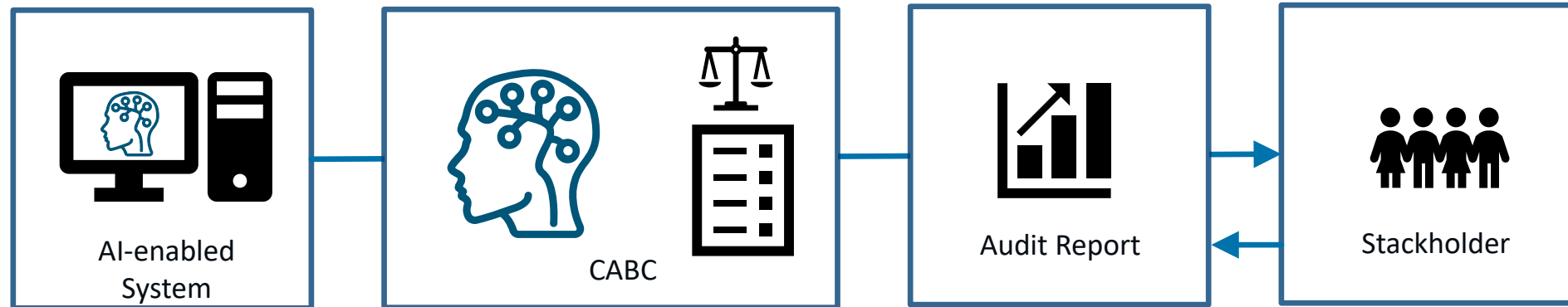
Conformity
Assessment

DTS-MTS-104008 (CABCA): Ensuring AI system
compliance in dynamic environments through
continuous auditing.

AI Testing Test Methodology and Test Specification (TR 103 910)

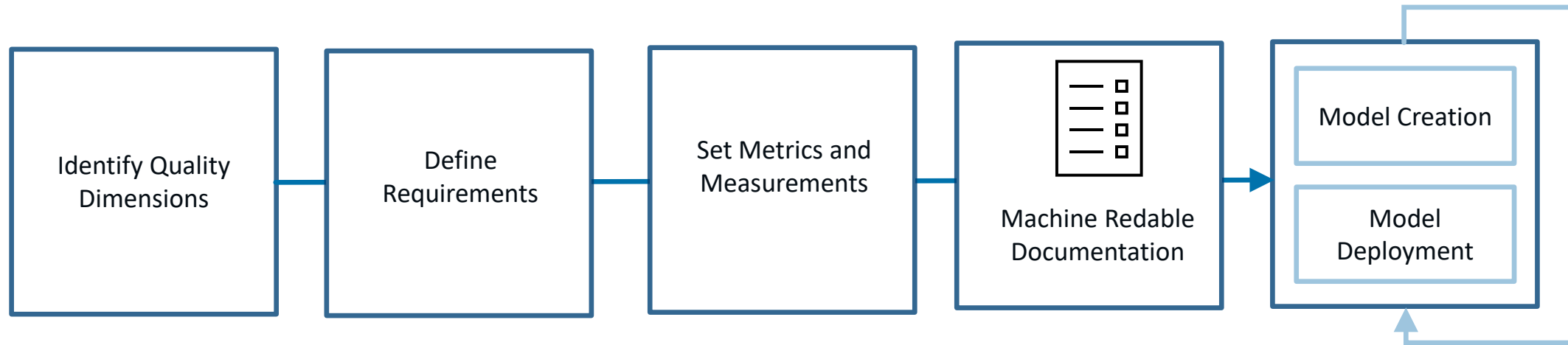






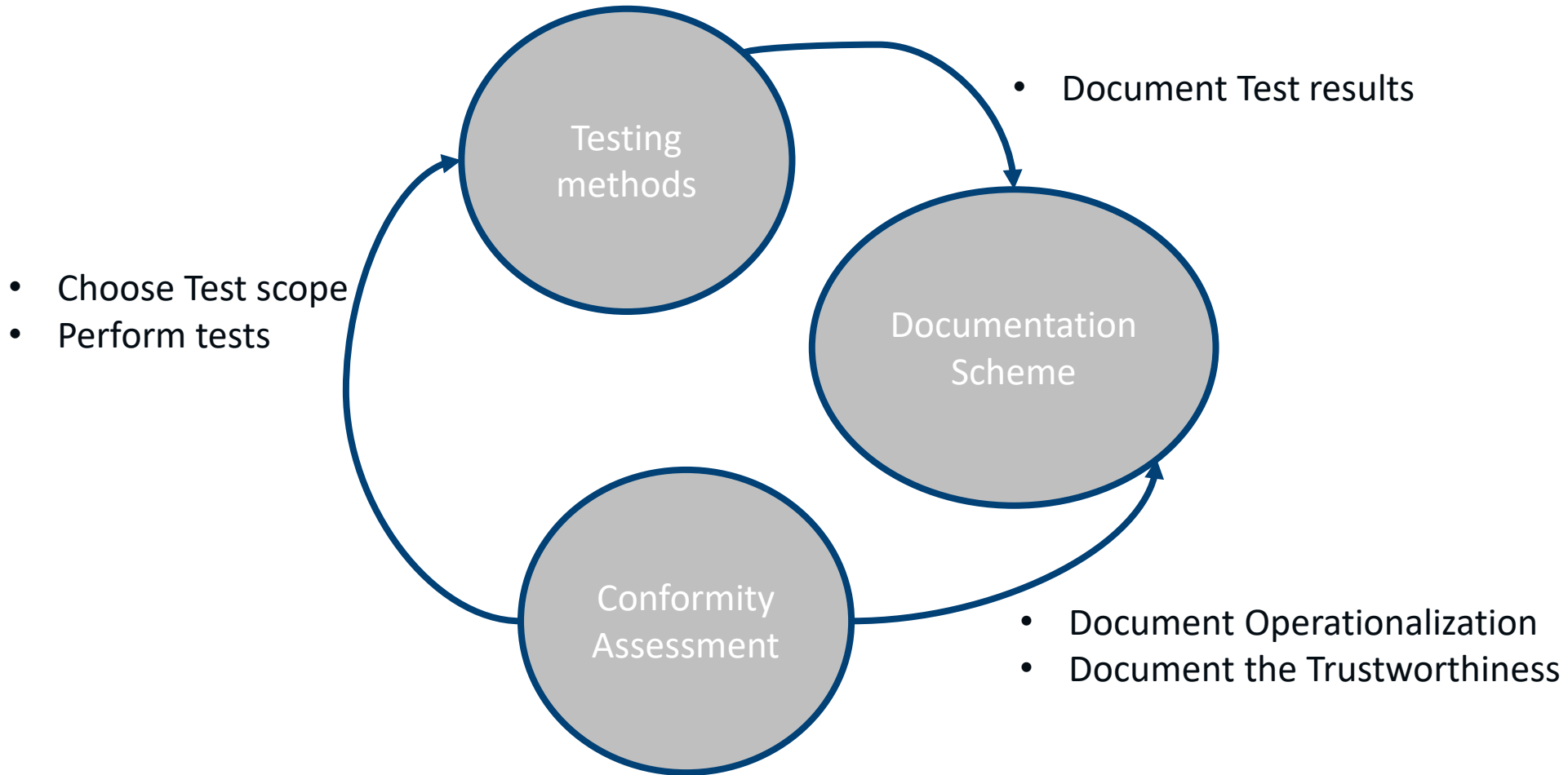
- Translating high-level conformity specifications into practical, actionable steps.
- Enabling ongoing compliance monitoring for AI systems.
- Offering clear and comprehensive documentation for all stakeholders.
- Utilizing automated assessments based on defined metrics and predefined thresholds.
- Continuous compliance monitoring aligns with the EU AI Act's market surveillance requirements.
- Ensures AI systems' adherence to safety standards and quality goals.

DTS-MTS-104008 (CABCA)

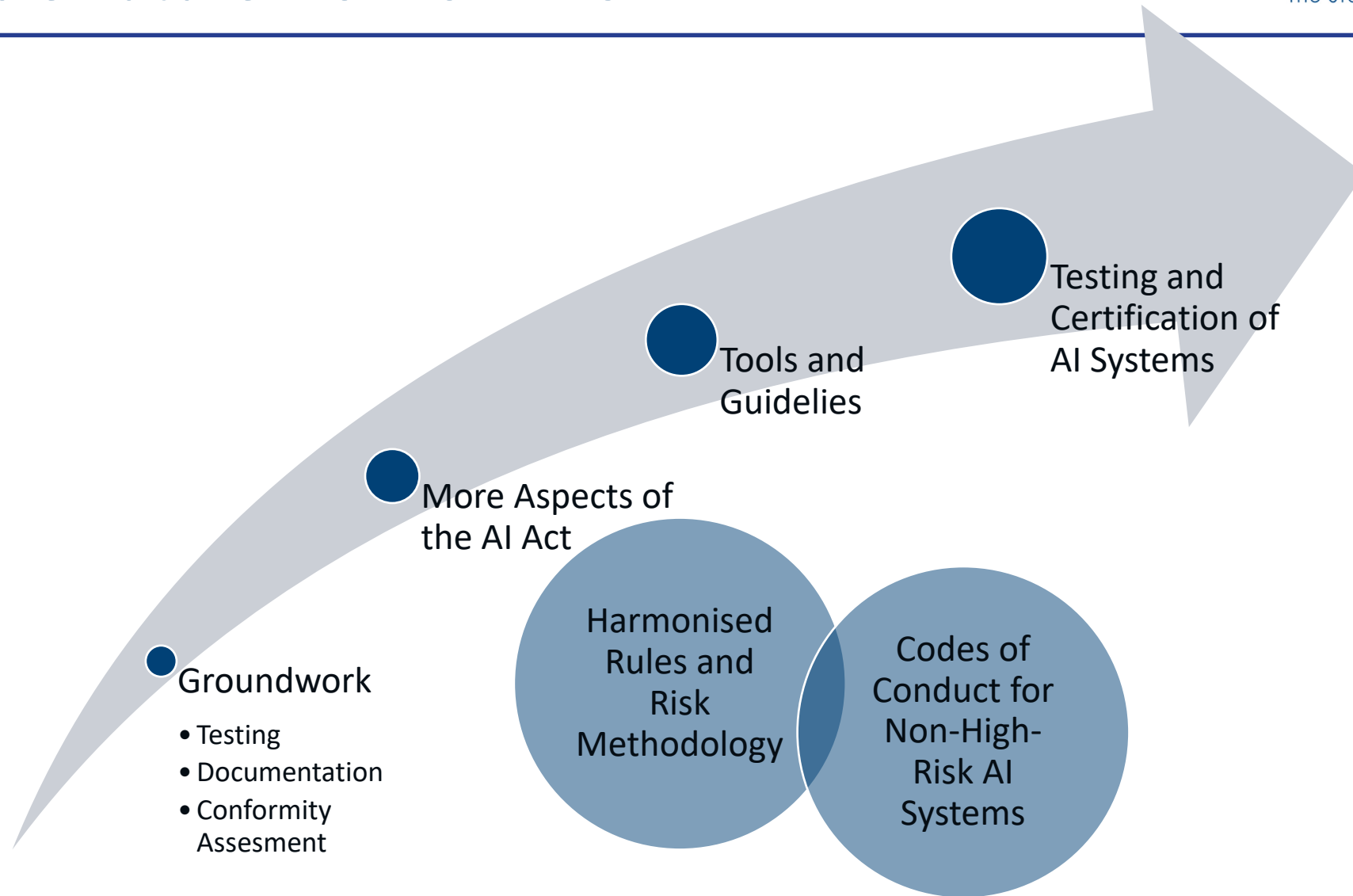


- Develop a Harmonized Documentation Scheme for Trustworthy AI.
- Align documentation requirements with the European AI Act.
- Integrate this initiative into ETSI's broader AI standardization efforts in Europe.
- Recommendations for industry and standardization bodies, including machine-readable formats for validation and certification.
- Promotion of enhanced transparency, interoperability, and AI system assessment.
- Direct contribution to ensuring safe AI systems in the EU market.
- Key role in developing a harmonized documentation scheme for Trustworthy AI.

Testing, Documentation, and Assessment



Possible Future work of MTS AI



Join us.

- Alignment with EU AI Act
- Foundation with Three Documents
- Need for Expanded Efforts

Email me: dorian.knoblauch@fokus.fraunhofer.de