

AI Officer – TÜV

OEM: TÜV SÜD • Code: 06-63-26-0005



COURSE DESCRIPTION

Artificial intelligence is evolving from isolated applications into mission-critical systems embedded across products, services, and decision-making processes. As AI complexity and regulatory expectations increase, organizations need clearly defined roles and governance structures to manage AI responsibly, transparently, and in compliance with applicable rules. The AI Officer – TÜV training is an advanced-level course focused on the regulatory, organizational, and operational requirements for managing AI systems throughout their entire lifecycle. It provides a structured approach to AI governance that balances compliance, risk control, and business objectives. A central element of the training is the hands-on implementation of an AI Management System (AIMS) aligned with ISO/IEC 42001 and the EU AI Act. Participants learn how to establish system boundaries, define AI system portfolios, assess external and internal requirements, and integrate AI governance into existing organizational structures. The course emphasizes leadership and accountability, clarifying the role of top management and the AI Officer in setting AI policies, assigning responsibilities, and ensuring consistent decision-making. Strategic and operational planning ensure that AI risks are systematically identified, assessed, and managed while opportunities for innovation are actively pursued. Operational aspects include managing AI and data lifecycles, implementing AI-related processes, and ensuring traceability, transparency, and control. Participants learn how to monitor AI performance, conduct internal audits, review results, and use data-driven insights for reporting and improvement. As a certified AI Officer – TÜV, you become the central interface between business units, IT, compliance, and management. You translate regulatory requirements into actionable AI-driven business processes and ensure continuous improvement of AI governance. This certification also qualifies you for further advanced programs such as Chief AI Officer – TÜV and AI Auditor – TÜV.

AUDIENCE PROFILE

- This training is intended for:
- Managing directors and IT managers
- AI and software engineers
- Data analysts and software developers
- Compliance, risk, and quality managers
- Consultants and AI subject matter experts overseeing AI projects
- Lawyers with a focus on artificial intelligence and technology regulation

PREREQUISITES

- Certificate AI Coordinator-TÜV, Certificate AI Quality Engineer or proof of comparable training certificates:
- If you have an AI Coordinator – TÜV comparable certificate: you can enroll in the AI Officer – TÜV training course directly

- If you have completed training courses with at least 80% of the topics and teaching units of the AI Coordinator – TÜV, you can prove your knowledge by taking a lateral entry exam and enter the AI Officer – TÜV training if you pass the exam. Feel free to send us your training certificates for review.

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Design and implement an AI Management System (AIMS)
- Interpret and apply ISO/IEC 42001 and EU AI Act requirements
- Define organizational AI roles, responsibilities, and governance structures
- Conduct AI risk assessments and manage compliance across the AI lifecycle
- Translate regulatory requirements into operational AI processes
- Monitor, audit, and continuously improve AI systems and governance
- Act as the central AI governance interface within the organization

COURSE OUTLINE

Module 1: Context of the Organization

- Objectives and benefits of an AI Management System (AIMS)
- Organizational context and external requirements
- Interested parties and their expectations
- Definition of system boundaries and AI system portfolio

Module 2: Leadership

- Leadership and accountability
- Role of top management
- Development of an AI policy (AI directive)
- Roles and responsibilities

Module 3: Planning

- Strategic and operational planning
- AI risk management planning
- Opportunity orientation and action planning

Module 4: Support

- Resource management
- Competency development and training
- Awareness, communication, and documentation
- Knowledge management

Module 5: Operations

- Operational and change planning
- Implementation of AI-related processes
- Management of AI system and data lifecycles

Module 6: Performance Evaluation

- Monitoring and measurement of AI risks and performance
- Internal audits and management reviews
- Data analysis and reporting

Module 7: Improvement

- Risk mitigation and continuous improvement
- Corrective and preventive actions
- Lessons learned and innovation potential

DELIVERY NOTE

- Instructor-led training in a virtual classroom
- Hands-on workshops and practical exercises
- Real-world scenarios and implementation examples
- Structured discussions and peer exchange
- Guided development of AI governance concept
- A self-contained private room or office free from interruptions
- The entire room and workspace can be shown via webcam upon request
- No materials present except those explicitly allowed
- No other electronic devices powered on nearby
- A quiet environment free of background noise
- Adequate lighting equivalent to daylight
- Full compliance with all online proctoring instructions