



## Artificial Intelligence (AI)

# ISO/IEC 42001

### What is ISO/IEC 42001?

Artificial Intelligence (AI) has become integral to modern technological advancements, driving innovation across various industries. However, the complex nature of AI systems poses significant challenges, and in response to this, the ISO/IEC 42001 standard was developed, providing a structured framework for the effective management of AI technologies within companies.

By aligning AI practices with ISO/IEC 42001, companies can build trustworthy AI systems that enhance their operational effectiveness while adhering to ethical and regulatory requirements. ISO/IEC 42001 is an international standard developed to provide comprehensive guidelines for the implementation, maintenance, and improvement of artificial intelligence (AI) management systems.

This standard aims to ensure that businesses can effectively manage AI technologies in a responsible, ethical, and efficient manner. It covers various aspects such as governance, risk management, transparency, accountability, and compliance with legal and regulatory requirements. By adopting ISO/IEC 42001, companies can demonstrate their commitment to best practices in AI, fostering trust and reliability in their AI systems and enhancing their overall operational effectiveness.

### Who needs ISO/IEC 42001?

ISO/IEC 42001 is intended for companies of all sizes and industries that develop, deploy, or manage AI systems. It is particularly beneficial for those seeking to enhance their governance, risk management, and ethical practices related to AI. ISO/IEC 42001 establishes clear policies and procedures for AI governance, ensuring defined roles and responsibilities. This helps businesses align their AI initiatives with strategic goals and maintain effective oversight.

## Benefits of ISO/IEC 42001

The ISO/IEC 42001 standard offers numerous benefits to businesses who are implementing and managing artificial intelligence (AI) systems. These benefits comprise operational, ethical, and regulatory aspects, ensuring that AI technologies are used responsibly and effectively.

- Enhanced governance
- Risk mitigation
- Improved transparency
- Increased accountability
- Regulatory compliance
- Ethical AI practices
- Operational efficiency
- Enhanced trust and credibility
- Continuous improvement

## Related services and products



ISO 42001 is compatible with other management systems standards and specifications, such as ISO9001 Quality Management Systems, ISO/IEC 27001 Information Security and ISO/IEC 20000-1 IT Service Management. This integration can streamline processes and improve overall effectiveness within your company.



When you get certified through IMSM, you gain access to IMSMLoop: streamlined ISO compliance, implementation, and accessibility for your business. IMSMLoop serves as your essential ISO Management System resource. It's a user-friendly online platform that facilitates ISO Standards implementation, management, auditing, and adherence for your business.

“We could not compete in our marketplace without ISO Certification. IMSM made it easy to implement and follow the system. The efficiency we gained keeps us competitive, the Certification opens the doors and keeps them open.”

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To explore the ways ISO standards can help improve your business, **contact IMSM today** for an informal discussion with your local IMSM Area Manager.

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