

Blackmores

Top 10 reasons to use ISO 42001 AI Management



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www.isologyhub.com

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About Us

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Our experience



100% Success

We are leaders in our field, demonstrate a 100% success rate for certification to Risk, Sustainability, and Quality Standards over the last 18 years.



Over 600 Companies

At Blackmores we've worked with over 600 companies



20 Standards

We implement 20 ISO Standards covering Quality, Risk and Sustainability

27 Countries



Our credentials

As leaders in our field, we've established a commanding reputation for changing the face of how ISO standards are implemented globally.



Founders of isology® - 7 steps to implement any ISO Standard



Founders of the  **isologyhub** - Online membership with over 200+ ISO resources



Founders of the ISO Show Podcast



ISO Thought Leaders



We achieved an NPS rating of 97% client satisfaction in 2023







The isology® hub is the leading place for businesses to learn how to achieve ISO Standards – and get gameplans for raising their game.

It's packed with in-depth, practical training and resources on all aspects of planning, creating and managing a successful ISO system.



So what's included?



Training



Templates, processes and checklists



Gameplans



Coffee Break Training



Live Q&A's

Our Clients



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Quick overview
What is ISO 42001?

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What is ISO 42001?



ISO 42001 is the first International Standard for Artificial Intelligence Management Systems, designed to help organisations implement, maintain, and improve AI management practices.



Published in December 2023 by the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC).



The emphasis of ISO 42001 is on integrating an AI Management System with an organisations existing structures – this includes existing ISO certified Management Systems.



Interestingly, a lot of the specific mentions of Artificial Intelligence and Machine Learning are within the Annexes rather than the body of the Standard.

What are the main clauses of ISO 42001?

ISO 42001 is structured using the familiar Annex SL format that many other ISO's use. The clauses are as follows:

- Clauses 1, 2 and 3 – Explanatory clauses
- Clause 4 – Context of the Organisation
- Clause 5 – Leadership
- Clause 6 – Planning
- Clause 7 – Support
- Clause 8 – Operation
- Clause 9 – Performance Evaluation
- Clause 10 – Improvement

ISO 42001 Annexes

ISO 42001 includes 4 Annexes, which focus on the following:-



Annex A: Reference control objectives and controls



Annex B: Implementation guidance for AI controls



Annex C: Potential AI-related organizational objectives and risk sources



Annex D: Use of the AI management system across domains or sectors

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10 Reasons to use ISO 42001 Management

AI

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Reason #1



Demonstrate responsible use of AI

- ISO 42001 helps ensure fairness, non-discrimination, and respect for human rights in AI development and use.
- Remember, AI can still be biased based on the fact that existing data sets will still lack representation for minority groups.
- Take care in the use of AI over people – Staff being replaced by AI is a very real concern and should not be treated lightly.



Reason #2



Traceability, transparency and reliability

- Information sourced via AI is not always correct – It collates information published online, which may not always be correct or accurate.
- Data sets carelessly scrapped from online sources may also contain sensitive or unsavoury content. They can also be poisoned to produce inaccurate results – so it's up to AI developers to ensure the safety and integrity of their AI tools!
- ISO 42001 provides specific guidance that covers transparency, explainability, and sample training data.



Reason #3



A framework for managing risks and opportunities

- AI, like any other new technology, is going to create new risks and opportunities.
- Risks include the likes of inaccurate data being used, existing bias in data training sets, plagiarism, security risks and data poisoning.
- Opportunities include productivity increases, smarter decision making and reduction of tedious tasks.
- ISO 42001 will help you build a robust management system to manage and mitigate risks, and drive forward opportunities through continual improvement.



Reason #4



Demonstrate that introducing AI is a strategic decision with clear objectives

- Businesses looking to integrate AI should not make this decision lightly.
- Ensure that you are doing so safely, ethically and that it aligns with your businesses established objectives. This will need to be communicated clearly to everyone in the business.
- ISO 42001 is, at its heart, a Management system standard. Like many other ISO Standards, it includes guidance on setting objectives and communicating these to your wider business.



Reason #5



Helps to implement safeguards

- Certain features of AI may require safeguards, to help protect businesses against the extra risks they pose.
- This can be applied within a particular process or an entire system.
- Examples of features that may require these safeguards include:
 - Automatic decision making
 - Data analysis, insight and machine learning
 - Continuous learning



Reason #6



Supports compliance with legal and regulatory Standards

- More AI focused legislation is an inevitability, with the new EU AI Act being a perfect example.
- It's important to ensure that you are prepared to comply with legislation as it's released, or you may be held liable and be subject to fines.



Reason #7



Enhanced reputation

- ISO Standards are internationally recognised and ensure you are complying with best practice.
- Gaining certification to ISO 42001 will show you are confident in your AI related claims, and are happy to have this verified by a third party.



Reason #8

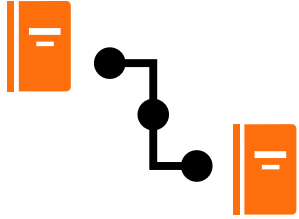


Encourage innovation within your business

- For as much as we've stressed the potential risks AI could expose your business to, ultimately AI is here to help make our lives easier. We just need to ensure we're responsible when applying it.
- ISO 42001 ensures you can safely integrate AI tools and systems within your business. It's there to help guide the adoption of this new technology, and drive continual improvement as your management system matures.



Reason #9



Can be integrated with existing systems

- ISO 42001, like many ISO Standards, is based on the Annex SL format and can be easily integrated with existing ISO Management Systems such as an ISO 9001 (Quality management) or ISO 27001 (Information Security management) system.
- Risks addressed in ISO 42001 include security, privacy and quality among others, and can help to enhance the effectiveness of your Management system in those areas.



Reason #10



Does not require an existing Management System to implement

- While ISO 42001 would make a great addition to any ISO Management System, it's important to note that this can be implemented independently.
- It is also not intended to replace or supersede any existing quality, safety or privacy Standards / existing management systems.



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Questions

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