

ISO 42001 Artificial Intelligence Management System (AIMS)



Artificial intelligence (AI) is a transformative technology. Its adoption across various industries and sectors, and has revolutionized over our lives and work. Organizations must ensure that AI is reliable, fair, transparent, trustworthy and accountable. To achieve this, the International Organization for Standardization (ISO) has published ISO/IEC 42001:2023 Artificial Intelligence Management Systems (AIMS) on December 18, 2023.



ISO/IEC 42001 is the world's first AI management system standard, it Emphasizes ethical principles and values such as fairness, non-discrimination and respect for privacy when deploying AI systems transparency, and continuous learning. For organizations, it sets out a structured way to manage risks and opportunities associated with AI, balancing innovation with governance. The goal is to help companies and society benefit the most from AI while reassuring stakeholders' expectations that systems are being developed and used responsibly.

ISO/IEC 42001 is a certifiable AIMS, implementing it means putting in place policies and procedures for the sound governance of an organization in relation to AI, using the Plan-Do-Check-Act methodology. Rather than looking at the details of specific AI applications, it provides a practical way of managing AI-related risks and opportunities across an organization. It also helps to minimize the potential risks and negative impacts associated with AI. It therefore provides value for any business or entity.

To implement an AIMS, you will need a solid understanding of ISO/IEC 42001's requirements. We offer training to provide the required knowledge. Once the system is in place, we can provide a gap assessment. After the successful completion of an audit, we will issue your certificate, confirming the effective implementation of the standard's requirements.

Benefits:

- Ensures ethical and responsible use of artificial intelligence
- Enhances trust in AI applications
- Addresses Security, Fairness, Transparency, and Data Quality
- Supports compliance with legal and regulatory standards
- Balances Governance and Innovation
- Ensures Responsible Continuous Learning



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人工智慧管理系統 – ISO 42001(AIMS)



人工智慧 (AI) 是一項變革性技術。它在各個行業和部門中被採用，並徹底改變了我們的的生活和工作。組織必須確保人工智慧可靠、公平、透明、值得信賴和負責。為了實現這一目標，國際標準化組織 (ISO) 於 2023 年 12 月 18 日發布了 ISO/IEC 42001:2023 人工智慧管理系統 (AIMS)。



ISO/IEC 42001 是世界上第一個人工智慧管理系統標準，它強調部署人工智慧系統時的道德原則和價值觀，例如公平、非歧視和尊重隱私，透明度和持續學習。對於組織來說，它提出了一種結構化的方法來管理與人工智慧相關的風險和機遇，平衡創新與治理。目標是幫助企業和社會從人工智慧中獲得最大利益，同時確保持股人對系統開發和使用責任的期望。

ISO/IEC 42001 是一個可認證的 AIMS，實施它意味著使用「計畫-執行-檢查-行動」方法來制定與人工智慧相關的組織的健全治理政策和程序。它不是查看特定人工智慧應用的細節，而是提供了一種在整個組織內管理人工智慧相關風險和機會的實用方法。它還有助於最大限度地減少與人工智慧相關的潛在風險和負面影響。因此，它為任何企業提供了相當的價值。

要實施 AIMS，您需要充分了解 ISO/IEC 42001 的要求。我們的培訓課程能夠提供所需的知識，一旦系統到位，我們就可以提供差距評估。成功完成審核後，我們將向您頒發證書，確認標準要求的有效實施。

好處:

- 確保人工智慧的使用合乎道德和負責任
- 增強對人工智慧應用的信任
- 解決安全性、公平性、透明度和資料品質問題
- 支持遵守法律和監管標準
- 平衡治理與創新
- 確保負責任的持續學習



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|---|---|----------------|
| TAI1 | ISO 42001 Introduction | 3 hours |
| Details ~ ISO 42001 Introduction & its key principles ~ The structure and concept behind ISO 42001 ~ Overview of ISO 42001 requirements and its benefits | | |
| TAI2 | ISO 42001 Effective Application | 1 day |
| Details ~ Introduction of ISO 42001 ~ Explain the relationships between Artificial Intelligence management principles & frameworks ~ Interpretation on the requirements and implementation of ISO 42001 ~ Introduce the Artificial Intelligence assessment tools and techniques ~ Certification process and its necessary requirements | | |
| TAI3 | ISO 42001 Implementation & Documentation | 1 day |
| Details ~ ISO 42001 requirements for documentation and why documentation required ~ Process approach to create practical documents ~ System Documentation (Artificial Intelligence Management Manual, Policy, Objectives, Procedures, Work Instruction, etc.) ~ Update and Maintenance of Artificial Intelligence Management System | | |
| TAI4 | ISO 42001 Internal Auditor Training | 2 days |
| Details ~ Documentation review ~ Comparison between internal and external audit ~ Artificial Intelligence Management auditing (including auditing methodology, preparation, auditing skills and reporting) ~ Internal audit results evaluation and reporting | | |

Date Courses are organized once a month. Detailed schedule can be found on our website.

Venue ACI Training Centre

Methodology Presentation, Workgroup Discussion, Case Study & Exercise

Certificate Certificate of successful completion will be issued to delegates who have attended full course



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|---|--------------------------|-------------|
| TAI1 | ISO 42001 入門 | 3 小時 |
| 培訓內容: ~ ISO 42001 簡介及其主要原則 ~ ISO 42001 背後的結構與概念 ~ ISO 42001 要求及其優點概述 | | |
| TAI2 | ISO 42001 有效應用 | 1 日 |
| 培訓內容: ~ ISO 42001 簡介 ~ 解釋人工智慧管理原則與框架之間的關係 ~ ISO 42001 要求及實施解讀 ~ 介紹人工智慧評估工具和技術 ~ 認證流程及其必要要求 | | |
| TAI3 | ISO 42001 文件處理 | 1 日 |
| 培訓內容: ~ ISO 42001 對文件的要求以及為何有此要求 ~ 建立實用文件的流程方法 ~ 系統文件（人工智慧管理手冊、方針、目標、程序、工作指導等） ~ 人工智慧管理系統的更新與維護 | | |
| TAI4 | ISO 42001 內部審核員培訓 | 2 日 |
| 培訓內容: ~ 文檔審查 ~ 內部審核與外部審核的比較 ~ 人工智慧管理審核（包括審核方法、準備、審核技巧和報告） ~ 內部審核結果評估與報告 | | |

上課日期 培訓課程每月舉辦一次，具體開課日期可瀏覽本公司網頁

地點 ACI 培訓中心

上課模式 講解、小組討論、練習及個案研習

獲取資格 完成課程之學員將獲頒發課程完成證書乙張



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