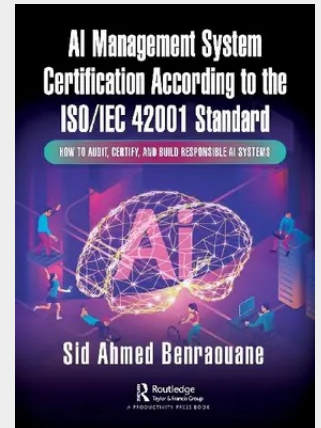


AI Management System Certification According to the ISO/IEC 42001 Standard

How to Audit, Certify, and Build Responsible AI Systems

The book guides the reader through the auditing and compliance process of the newly released ISO Artificial Intelligence standard. It provides tools and best practices on how to put together an AI management system that is certifiable and sheds light on ethical and legal challenges business leaders struggle with to make their AI system comply with existing laws and regulations, and the ethical framework of the organization. The book is unique because it provides implementation guidance on the new certification and conformity assessment process required by the new ISO Standard on Artificial Intelligence (ISO 42001:2023 Artificial Intelligence Management System) published by ISO in August 2023. This is the first book that addresses this issue. As a member of the US/ISO team who participated in the drafting of this standard during the last 3 years, the author has direct knowledge and insights that are critical to the implementation of the standard. He explains the context of how to interpret ISO clauses, gives examples and guidelines, and provides best practices that help compliance managers and senior leadership understand how to put together the AI compliance system to certify their AI system. The reader will find in the book a complete guide to the certification process of AI systems and the conformity assessment required by the standard. It also provides guidance on how to read the new EU AI Act and some of the U.S. legislations, such as NYC Local Law 144, enacted in July 2023. This is the first book that helps the reader create an internal auditing program that enhances the company's AI compliance framework. Generative AI has taken the world by storm, and currently, there is no international standard that provides guidance on how to put together a management system that helps business leaders address issues of AI governance, AI structure, AI risk, AI audit, and AI impact analysis. ISO/IEC 42001:2023 is the first international mandatory and certifiable standard that provides a comprehensive and well-integrated framework for the issue of AI governance. This book provides a step-by-step process on how to implement the standard so the AI system can pass the ISO accreditation process.

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72,30 €

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Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781032733944

Medium: Buch

ISBN: 978-1-032-73394-4

Verlag: Productivity Press

Erscheinungstermin: 24.06.2024

Sprache(n): Englisch

Auflage: 1. Auflage 2024

Produktform: Kartoniert

Gewicht: 438 g

Seiten: 226

Format (B x H): 178 x 254 mm

