



COMMON REQUIREMENTS OF KEY STANDARDS: A TOOL FOR INTEGRATING MANAGEMENT SYSTEM

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Abstract:

The integration of management systems based on ISO 45001:2018 (Occupational Health and Safety), ISO 14001:2015 (Environmental Management), and ISO 9001:2015 (Quality Management) is facilitated by identifying their common requirements. These standards share essential principles such as risk-based thinking, continual improvement, interested parties' requirements and compliance with legal and other obligations. By embedding these principles into organizational practices, businesses can enhance operational efficiency, ensure legal compliance, and foster long-term sustainability. Aligning shared elements like policy formulation, objective setting, and documentation processes allows organizations to streamline their management systems, reducing duplication and improving efficiency. This unified approach supports continuous growth, mitigates risks, and improves overall performance. Furthermore, aligning procedures, processes, and working methods with the requirements of the standards and legal norms brings significant advantages in quality, safety, health, and environmental protection. The focus is on interested parties' satisfaction through the delivery of high-quality products and services. The integration of these standards also provides a better understanding and control over business processes, increases customer and partner trust, and improves operational efficiency. It strengthens the organization's resilience to risks and enhances its overall image. The research provides a comparative analysis of individual standard requirements within the Integrated Management System (IMS), offering a valuable tool to streamline the integration of health, safety, environmental, and quality management processes. The main benefit of simultaneously implementing multiple standards is a systematic and coordinated approach, which offers several advantages: simplify administration and compliance monitoring, better integration of quality, environmental management, and occupational health and safety, promotion of continuous improvement and innovation, and more efficient legal compliance through systemized monitoring. In summary, IMS enables resource optimization, cost reduction, and increased operational efficiency, while simultaneously ensuring compliance with multiple standards.

Keywords: *Integrated Management System; Standard requirements.*



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PREFACE

Welcome to the Abstract Book for DISC2024 – a forward-thinking collection that captures the synergy of robust academic research and innovative project work. Over the course of this transformative conference, we have witnessed 112 scholarly research contributions alongside 19 inspiring project presentations, each delving into topics critical to shaping our sustainable future. This year's themes include:

- **Environmental Protection and Sustainable Development**
- **Occupational Safety and Health**
- **Strategic Human Resource and Business Management**
- **Sustainable Project Management**
- **Civil Engineering**
- **Education 3.0**

In addition to the main sessions, we were honored to host a special session featuring our distinguished guest, Arijana Filipić from National Institute of Biology, Slovenia. Her captivating presentation, "Mission Possible: Successful Scientific Presentation," provided invaluable insights into delivering impactful and persuasive scientific discourse, setting a high benchmark for academic excellence.

Hosted in the vibrant city of Novi Sad this December, DISC2024 has provided a dynamic forum where experts, practitioners, and emerging scholars converged to exchange ideas, challenge conventional boundaries, and chart new paths in research and practice.

We extend our sincere gratitude to every author, presenter, and mentor whose contributions have enriched this publication. I also wish to recognize our entire organizing team for their remarkable efforts in bringing this event to life. In particular, my heartfelt thanks go to Dr. Nevena Živančev, Dr. Jovana Topalić, MSc. Dunja Istrat and MSc. Tijana Adamov for their visionary leadership and steadfast commitment. Your invaluable contributions have been the cornerstone of this event's success.

As you explore the abstracts and project summaries contained within these pages, we hope you find the insights and innovations presented here as inspiring as they are thought-provoking – fueling future collaborations and breakthroughs in your respective fields.

Looking ahead, we eagerly anticipate welcoming you once again in December 2025 as we continue to build on the success and collaborative spirit of DISC. May your journey of discovery and innovation continue unabated in the coming years.

With warm regards,

Dr. Maja Petrović

Associate Professor and Editor

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