RIMPALIVE 2025

Developments in Information and Documentation Standards Around AI



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Why AI Matters

Understanding AI's Impact on Information

Growing Influence

AI is increasingly shaping the landscape of records management by automating processes, enhancing data classification, and transforming how information is created and disposed of efficiently.

Associated Risks

The rise of AI introduces significant risks related to provenance, context, and authenticity, which can compromise the integrity of records if not properly managed and monitored.

Accountability

Implementing standards in AI usage ensures accountability and transparency in records management, fostering trust and long-term sustainability in the information profession.

Key ISO Committees on AI Standards



AI Governance
ISO/IEC JTC1/SC42

Focus on trust and risk management in AI.



Records Management
ISO TC46/SC11

Management of AI-related records and integration into RM Processes.

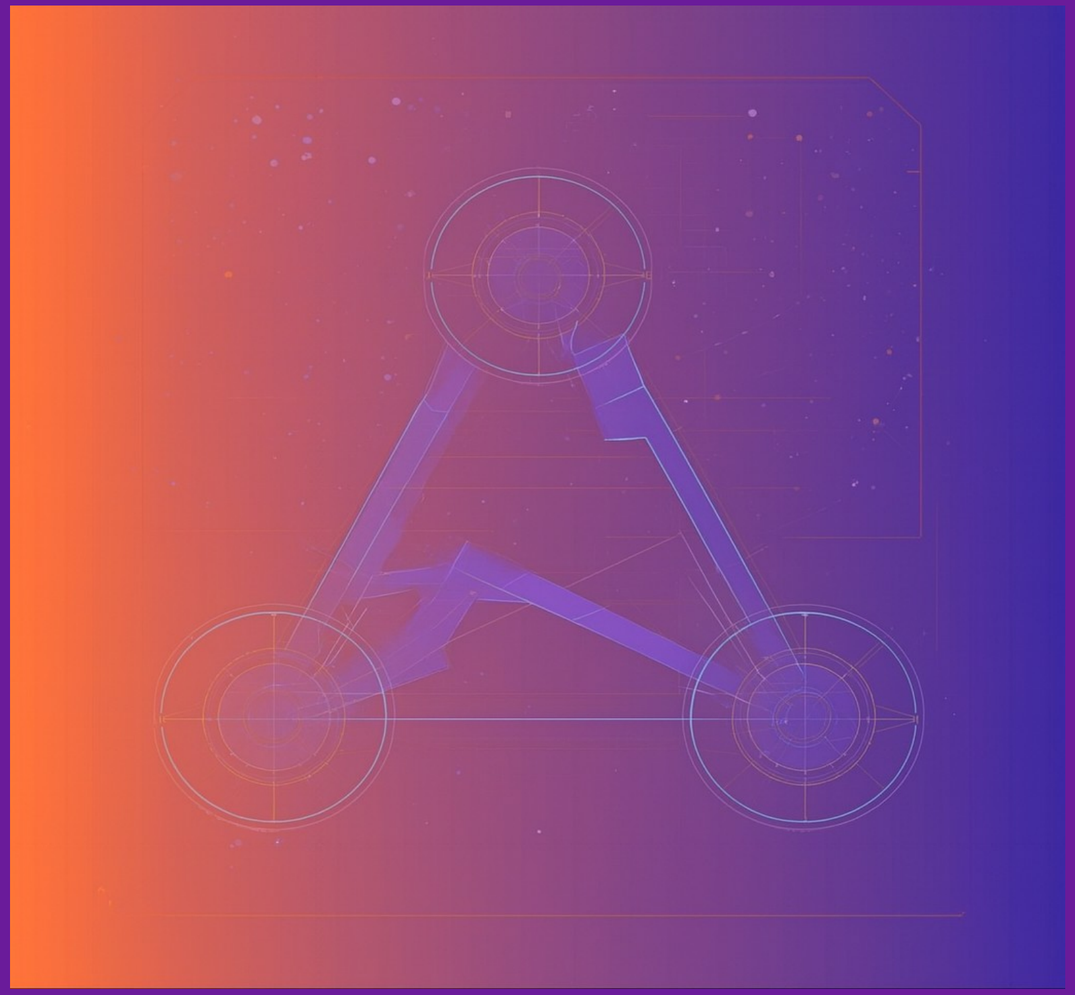


Document Standards
ISO TC 171/SC2

Ensures accessibility and authenticity for PDF and other digital documents.

AI Governance Framework

The ISO/IEC JTC 1/SC 42 committee focuses on establishing key standards for **trustworthy AI systems**. With contributions from over 280 experts across 60 countries, this framework ensures accountability and risk management in the rapidly evolving landscape of artificial intelligence.



Key Standards

Essential foundations of AI governance



ISO 42001

This standard focuses on **AI Management Systems**, providing a framework for organizations to ensure responsible development and deployment of AI technologies while maintaining ethical standards and transparency.

ISO 23894

The standard outlines essential **Risk Management** practices for AI applications, ensuring organizations can identify, assess, and mitigate potential risks associated with AI outputs and decision-making processes.

ISO 42105

This standard emphasizes the need for **Oversight** in AI systems, establishing guidelines to ensure accountability and trustworthiness in the management and application of artificial intelligence technologies.

Key Standards

Essential foundations of AI governance



ISO/IEC TS 6254:2025 — Information technology — Artificial intelligence — Objectives and approaches for explainability and interpretability of ML models and AI systems

Published in September 2025

ISO/IEC TS 6254:2025

Purpose: To provide practical guidance on achieving explainability and interpretability in AI and ML systems throughout their lifecycle.

Key Themes:

- Defines explainability objectives for diverse stakeholders (developers, users, policymakers, and service providers).
- Offers a taxonomy of methods and approaches for explainable AI (XAI).
- Clarifies relationships among explainability, interpretability, and transparency.
- Links explainability to trustworthiness, safety, and compliance.

AI-Records Integration

The integration of AI in records management is vital for enhancing efficiency and accuracy. By establishing standards specific to AI applications, organizations can better manage records, ensuring authenticity, provenance, and effective data flow throughout their operations.



ISO/NP TS 25280

Records management and AI - Principles and considerations

Part 1: Records management in artificial intelligence enabled environment

Part 2: Applications of artificial intelligence capabilities for records management

Part 1 Overview

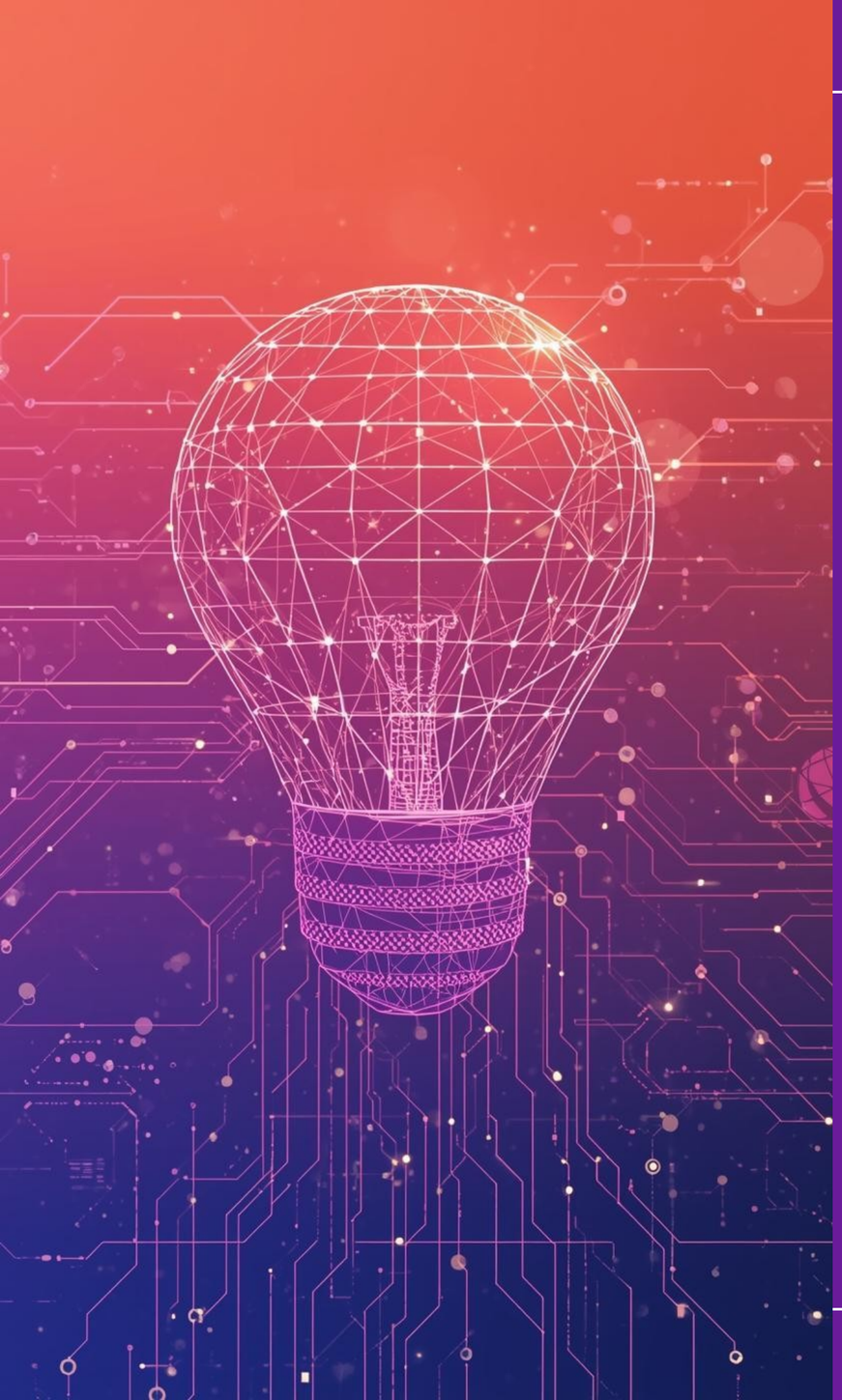
Part 1 focuses on **implementing records management** strategies in AI environments, ensuring compliance with regulations and enhancing the efficiency of record creation and management processes.

Part 2 Overview

Part 2 explores how **AI technologies can be** leveraged to improve records management, highlighting innovative approaches to data processing, classification, and retrieval for better organizational outcomes.

Use Cases

Nine international use cases demonstrate the **practical applications of AI** in records management, showcasing the benefits of integrating AI across various sectors for optimized information workflows.



WG 22 Focus Areas

01 AI-generated records emphasize **authenticity and provenance** in management.

02 AI-assisted records management focuses on **metadata and classification** enhancements.

03 Ethics and governance ensure **risk alignment and value integrity** in practices.

AI and Records Management: Use Cases from ISO/TC 46/SC 11/WG 22

Scenario	Purpose	Illustrative Use Cases
AI for Records Management	Automating RM processes such as appraisal, migration, and access enhancement	UC-6 (Netherlands, HTR transcriptions), UC-7 (U.S. State Dept. Declassification), UC-8 (NZ archives cloud services), UC-9 (Australia RPA migration)
Records Management in AI-Assisted Business	Embedding RM into AI-enabled operations for safety, reporting, and decision support	UC-1 (China petroleum engineering), UC-2 (China public demand monitoring), UC-3 (China aeronautical design), UC-4 (Australia student support)
Records Management for AI Systems	Providing trustworthy training data and documenting algorithmic decisions for accountability	UC-1, UC-4, UC-5 (Netherlands Algorithm Register), UC-7

Emerging Themes

- Records now include AI models, training logs, and algorithmic metadata.

- Human–AI collaboration is vital for quality and accountability.

- RM functions expand across stakeholders — from engineers and AI developers to records professionals and policy leaders.

Document Management and AI Integration



PDF Standards

Maintaining **ISO 32000-2** ensures document integrity.



AI Accessibility

Updates enable **machine interpretation** for improved access.



Metadata Links

Using **JSON-LD** enhances interoperability and context.



Trust Continuum

01 Design trust focuses on AI ethics and transparency.

02 Document trust ensures management of records in AI.

03 Preserve trust maintains authenticity and reliability of documents.

Building Trust Across Standards Communities

Layer of Trust	Committee	Focus Area	Example Standards / Work Items
Governance of AI	**ISO/IEC JTC 1 SC 42**	Frameworks for ethical, transparent, and auditable AI	ISO/IEC 42001 (AI Management System), ISO/IEC 23894 (Risk Management), ISO/IEC 12792 (Transparency), ISO/IEC 42006 (AI audit & oversight)
Records & Accountability	**ISO/TC 46 SC 11 WG 22**	Managing AI-generated and AI-related records	ISO/NP TS 25280-1/-2 (Records Management and AI), alignment with ISO 15489 & ISO 30301
Authenticity & Interoperability	**ISO/TC 171 SC 2**	Document formats, metadata, and content credentials	ISO 32000-2 (PDF 2.0), ISO 14289-2 (PDF/UA-2), ISO 22144 (Content Credentials), ISO 19005-4 (PDF/A-4)

Practical Takeaways

Build AI Readiness into Records Programs

- Treat AI models, training data, and outputs as managed records
- Embed appraisal, retention, and provenance from the start

Align with Emerging ISO Frameworks for Trust and Risk

- Apply ISO/IEC 42001, 23894, and TS 6254 to guide governance
- Use standards to benchmark transparency and accountability

Strengthen Capability and Collaboration

- Build shared literacy across records, data, and AI teams
- Foster interdisciplinary approaches to trustworthy innovation

Contact Information

Thank you for attending!

Let's stay connected and continue the conversation.

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