

What is ISO 42001 and how to implement it?

Presenters:

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Today's Presenter(s)

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Tom Wheat | *UK Site Manager/Global Sales, Perry Johnson Registrations Ltd.*

The biggest obstacle to quicker AI adoption is the lack of trust (i.e., risks)

Basic facts about ISO 42001 and implementation steps

For anyone in charge of AI systems or AI governance

ISO 42001 defines how to achieve trustworthiness of AI systems through AI governance

Agenda

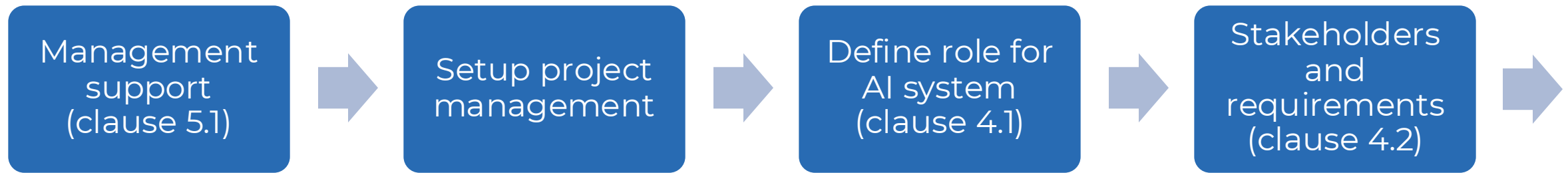
- The basics of ISO 42001
- Steps in the implementation
- ISO 42001 clauses vs ISO 27001
- Q&A

The basics of ISO 42001



- Full name ISO/IEC 42001:2023 Information technology – Artificial intelligence Management system
- Applicable to any company type or size
- High-level structure: Clauses 4 to 10
- Annex A & B: AI controls
- The main concept: handle AI systems by assessing risks and applying AI controls

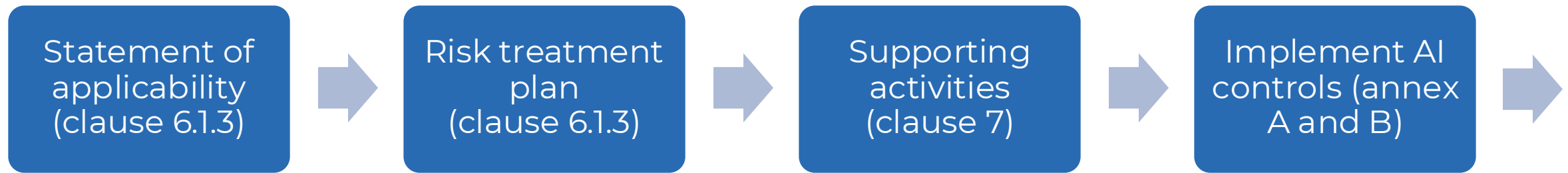
Steps in the implementation...



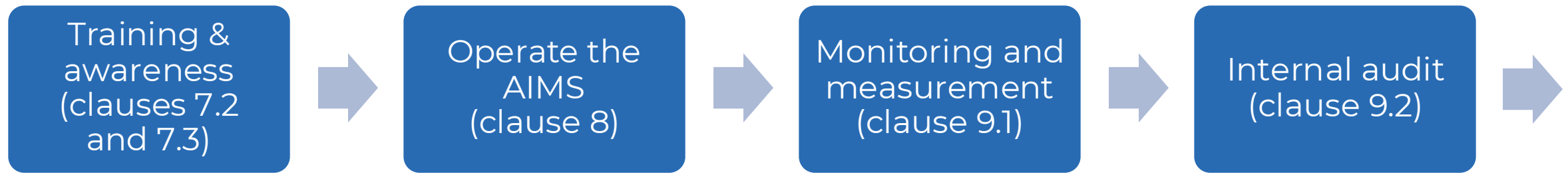
... Steps in the implementation...



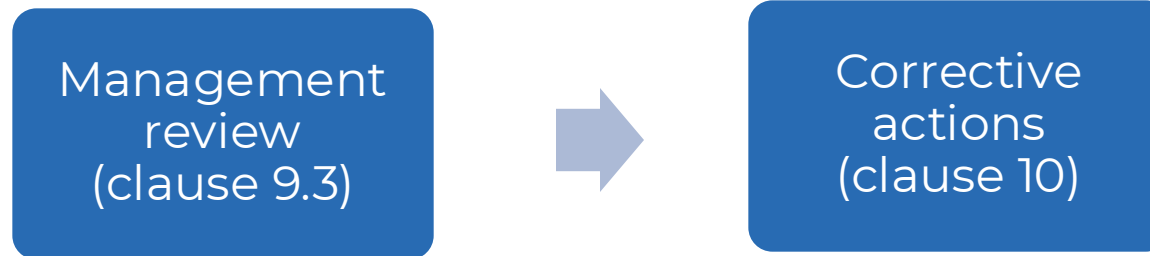
... Steps in the implementation...



... Steps in the implementation...



... Steps in the implementation




ISO 42001 vs ISO 27001...



ISO 42001 clauses	Difference vs ISO 27001	Comment
4.1 Understanding the organization and its context	Moderate	Defining roles for AI systems
4.2 Understanding the needs and expectations of interested parties	Low	
4.3 Determining the scope of the AI management system	Low	
4.4 AI management system	Low	
5 Leadership	Low	

... ISO 42001 vs ISO 27001...



ISO 42001 clauses	Difference vs ISO 27001	Comment
6.1.1 General	Moderate	More details
6.1.2 AI risk assessment	Low	
6.1.3 AI risk treatment	Low	
6.1.4 AI system impact assessment	High	New clause
6.2 AI objectives and planning to achieve them	Low	
6.3 Planning of changes	Low	

... ISO 42001 vs ISO 27001

ISO 42001 clauses	Difference vs ISO 27001	Comment
7 Support	Low	
8 Operation	Moderate	AI system impact assessment review
9 Performance evaluation	Low	
10 Improvement	Low	
Annex A	High	Different set of controls
Annex B	High	New annex (similar to ISO 27002)
Annexes C and D	High	New annexes

Conclusion

**ISO 42001 is the
solution to the
AI trustworthiness
problem**

ISO 42001 courses

Introduction
to ISO 42001
Foundations
Course



ISO 42001 Foundations
Course

Introduction
to ISO 42001
Internal
Auditor
Course



ISO 42001 Internal Auditor
Course

Introduction
to ISO 42001
Lead Auditor
Course



ISO 42001 Lead Auditor
Course

Introduction
to ISO 42001
Lead
Implementer
Course



ISO 42001 Lead Implementer
Course



Thank you

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