



How Standards Can Guide the Quality Evaluation of AI Systems

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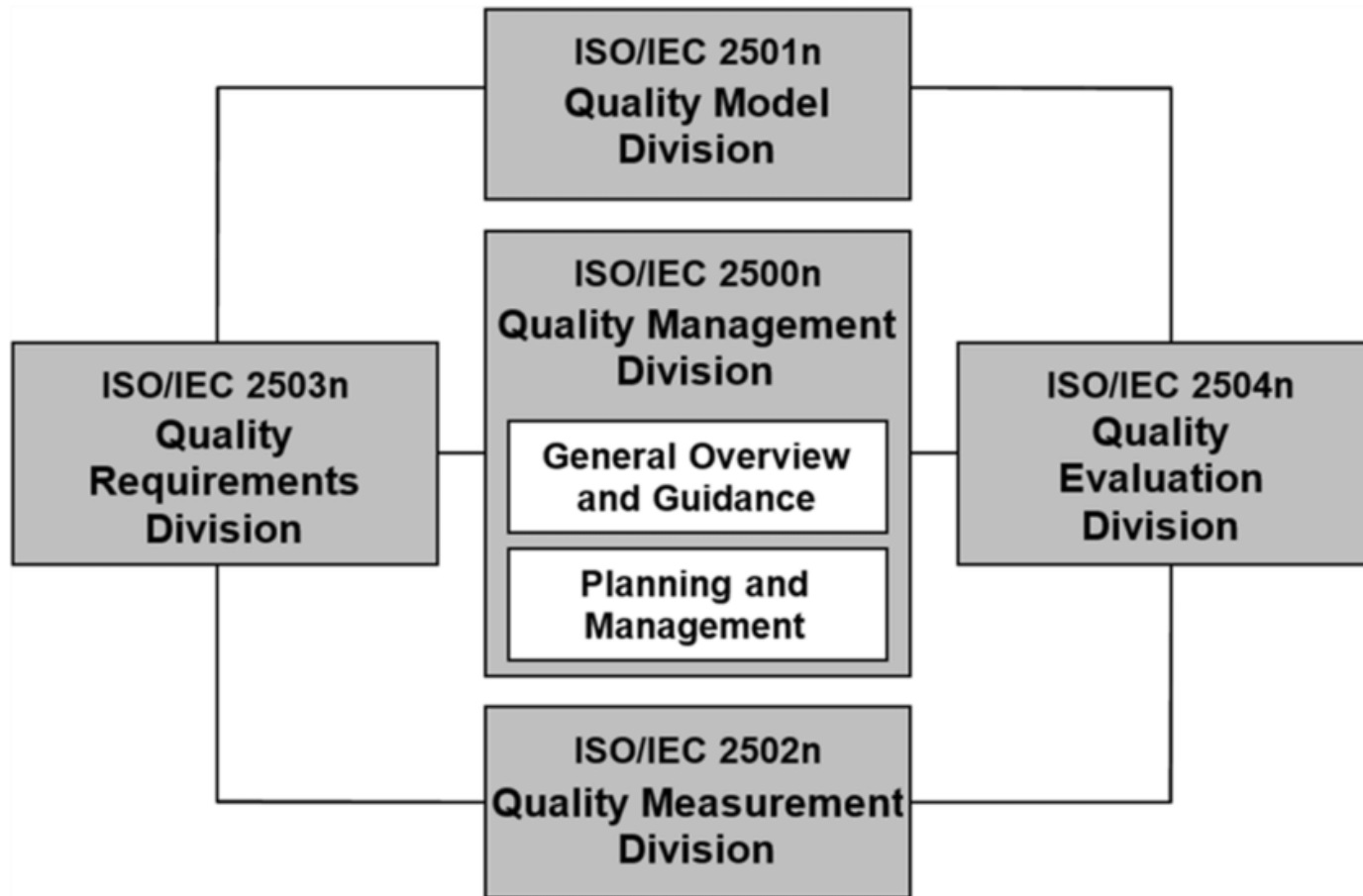




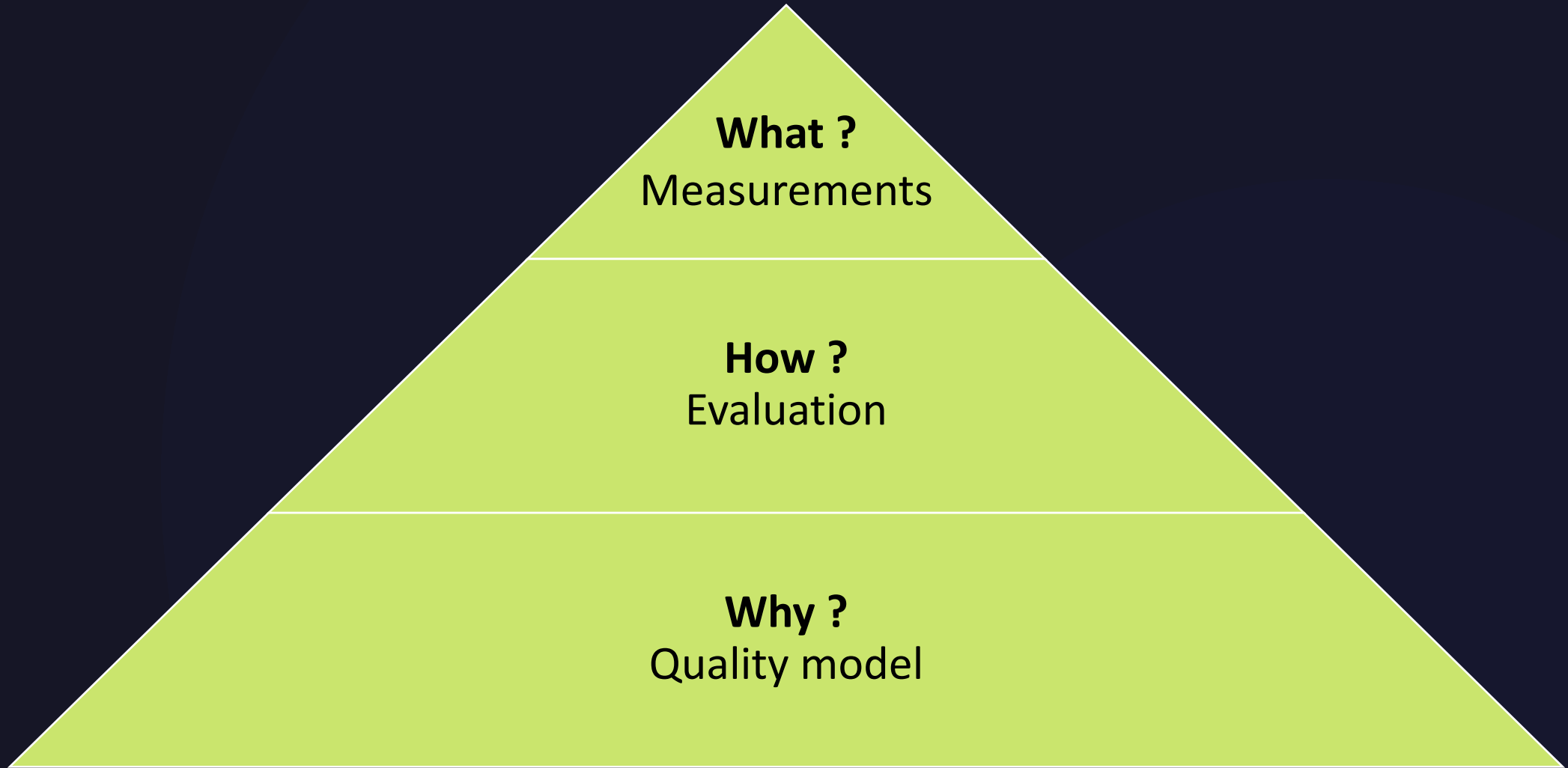


**ISO can help assessing the
quality of your AI system**

Systems and software Quality Requirements and Evaluation (*SQuaRE*)



Quality Requirements



Quality models for AI systems





How does it works? **Robustness**

Software system
(ISO/IEC 25010)

AI system
(ISO/IEC 25059)

Product Quality							
Functional Suitability	Reliability	Performance Efficiency	Usability	Maintainability	Security	Compatibility	Portability
Functional completeness	Maturity	Time behaviour	Appropriateness recognisability	Modularity	Confidentiality	Co-existence	Adaptability
Functional correctness	Availability	Resource utilization	Learnability	Reusability	Integrity	Interoperability	Installability
Functional appropriateness	Fault tolerance	Capacity	Operability	Analysability	Non-repudiation		Replaceability
	Recoverability		User error protection	Modifiability	Accountability		
	Robustness		User interface aesthetics	Testability	Authenticity		
			Accessibility				

A robust AI system, should



Quality models for AI systems (ISO/IEC 25059)

- 8 characteristics were created or modified for AI systems
- Published in 2023 (To be revised)



Guidance for quality evaluation of AI systems (ISO/IEC 25058)

- More than 18 characteristics required guidance to evaluate AI systems
- To be published soon



Quality evaluation measurements of AI systems

- To be determined



Questions ?

