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Information technology — Artificial intelligence — AI system life cycle processes (ISO/IEC 5338:2023, IDT)

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Preface

This Standard was prepared by the Standards Australia Committee IT-043, Artificial Intelligence.

The objective of this document is to define a set of processes and associated concepts for describing the life cycle of AI systems based on machine learning and heuristic systems. It is based on AS/NZS ISO/IEC/IEEE 15288:2023 and AS ISO/IEC/IEEE 12207:2019 with modifications and additions of AI-specific processes from AS ISO/IEC 22989:2023 and AS ISO/IEC 23053:2023.

This document provides processes that support the definition, control, management, execution and improvement of the AI system in its life cycle stages. These processes can also be used within an organization or a project when developing or acquiring AI systems. When an element of an AI system is traditional software or a traditional system, the software life cycle processes in AS ISO/IEC/IEEE 12207:2019 and the system life cycle processes in AS/NZS ISO/IEC/IEEE 15288:2023 can be used to implement that element.

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