

ISO/IEC 42006

Information technology — Artificial intelligence — Requirements for bodies providing audit and certification of artificial intelligence management systems

Technologies de l'information — Intelligence artificielle — Exigences pour les organismes procédant à l'audit et à la certification des systèmes de gestion de l'intelligence artificielle

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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A management system for organizations providing, developing or using artificial intelligence (AI) systems or placing them on the market as suppliers is set up according to ISO/IEC 42001. It entails, but is not limited to, various special aspects regarding the management of risks, data protection, data quality, information and cyber security, ethics as well as the validation and verification of algorithms. Also, the life cycle processes for traditional software systems need to include AI-specific life cycle characteristics defined in ISO/IEC 5338^[1] which can be considered.

The object of conformity assessment in ISO/IEC 42001 and the necessary combination and complex interface functions in a management system according to ISO/IEC 42001 result in specific requirements for the certification bodies and their processes when they certify such management systems. Certification bodies can use this document to perform their roles in the auditing and certification of organizations with AI management systems (AIMS).

The certification of a management system according to ISO/IEC 42001 can be embedded in a conformity assessment scheme for products, processes and services according to ISO/IEC 17065^[2] in support of ISO/IEC 17067,^[3] ISO/IEC 17030^[4] applies if it is intended to mark the AI product, process or service with a mark of conformity. The certification document(s) for the AI management system according to ISO/IEC 42001 can be utilised within a ISO/IEC 17065 scheme according to ISO/IEC 17065:2012, 7.4.5 to avoid double tests.

Accreditation bodies and peer assessors can use this document to assess the minimum requirements for personnel competence in certification bodies along with their certification processes.