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Systems and software engineering — Systems and software Quality Requirements and Evaluation (SQuaRE) — Guidance for quality evaluation of artificial intelligence (AI) systems

Ingénierie des systèmes et des logiciels — Exigences et évaluation de la qualité des systèmes et des logiciels (SQuaRE) — Lignes directrices pour l'évaluation de la qualité des systèmes d'intelligence artificielle (IA)

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An artificial intelligence (AI) system can be challenging to evaluate. Consequently, the impact of an AI system with poor quality can be considerable since it can be developed to facilitate the automation of critical actions and decisions.

The purpose of this document is to guide AI developers performing a quality evaluation of their AI systems. This document does not state exact measurements and thresholds, as these vary depending on the nature of each system. Instead, it specifies comprehensive guidance that covers the relevant facets of an AI system's quality for successful quality evaluation.

Testing is within the scope as far as each characteristic and sub-characteristic is verified by testing strategies, but details of testing methods and measurements are covered elsewhere, for example in the ISO/IEC/IEEE 29119 series.

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