

Quality Management of the Development of Domestic Trusted Artificial Intelligence Systems

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key words

relevance, explainability, quality management, certification, ethics

The article discusses ways to improve the quality management of domestic trusted artificial intelligence (AI) systems. The need for national certification is substantiated, international and Russian standards are analyzed, and shortcomings are identified. Measures are proposed for explainability, ethics, monitoring, and comprehensive assurance of artificial intelligence trust.

Based on the results of the analysis of quality management in domestic practice, the authors note that despite the existence of the first steps towards standardization and regulatory consolidation of requirements for trusted AI, there is still no unified, institutionally established approach to ensuring the quality of such systems. The identified problems may reduce the level of trust in AI systems from users and institutional customers, what indicates the need for the implementation of systemic and inter-level solutions. The problem of AI trust cannot be solved at the level of a single organization or a specific project, it requires an institutional approach and the coordinated participation of regulators, the scientific community, businesses, and standard-setters.

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