

ISO/IEC 38507:2022-04 (E)

Information technology - Governance of IT - Governance implications of the use of artificial intelligence by organizations

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
3.1	Terms related to AI	2
3.2	Terms related to governance	2
4	Governance implications of the organizational use of AI	2
4.1	General	2
4.2	Maintaining governance when introducing AI	3
4.3	Maintaining accountability when introducing AI	4
5	Overview of AI and AI systems	6
5.1	General	6
5.2	How AI systems differ from other information technologies	6
5.2.1	Decision automation	6
5.2.2	Data-driven problem-solving	7
5.2.3	Adaptive systems	7
5.3	AI ecosystem	8
5.4	Benefits of the use of AI	9
5.5	Constraints on the use of AI	10
6	Policies to address use of AI	11
6.1	General	11
6.2	Governance oversight of AI	12
6.3	Governance of decision-making	13
6.4	Governance of data use	14
6.5	Culture and values	15
6.6	Compliance	16
6.6.1	Compliance obligations	16
6.6.2	Compliance management	17
6.7	Risk	17
6.7.1	Risk appetite and management	17
6.7.2	Risk management	18
6.7.3	Objectives	19
6.7.4	Sources of risk	20
6.7.5	Controls	21
Annex A (normative) Governance and organizational decision-making		23
Bibliography		27