

ISO/IEC 42005:2025-05 (E)

Information technology - Artificial intelligence (AI) - AI system impact assessment

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Abbreviated terms	2
5	Developing and implementing an AI system impact assessment process	3
5.1	General	3
5.2	Documenting the process	3
5.3	Integration with other organizational management processes	4
5.4	Timing of AI system impact assessment	4
5.5	Scope of the AI system impact assessment	5
5.6	Allocating responsibilities	5
5.7	Establishing thresholds for sensitive uses, restricted uses and impact scales	6
5.8	Performing the AI system impact assessment	7
5.9	Analysing the results of the AI system impact assessment	7
5.10	Recording and reporting	7
5.11	Approval process	8
5.12	Monitoring and review	8
6	Documenting the AI system impact assessment	9
6.1	General	9
6.2	Scope of the AI system impact assessment	9
6.3	AI system information	9
6.3.1	AI system description	9
6.3.2	AI system functionalities and capabilities	10
6.3.3	AI system purpose	10
6.3.4	Intended uses	10
6.3.5	Unintended uses	10
6.4	Data information and quality	11
6.4.1	General	11
6.4.2	Data information	11
6.4.3	Data quality documentation	12
6.5	Algorithm and model information	12
6.5.1	General	12
6.5.2	Information on algorithms used by the organization	12
6.5.3	Information on algorithm development	13
6.5.4	Information on models used in an AI system	13
6.5.5	Information on model development	13
6.6	Deployment environment	14
6.6.1	Geographical area and languages	14
6.6.2	Deployment environment complexity and constraints	14
6.7	Relevant interested parties	15
6.7.1	General	15
6.7.2	Directly affected interested parties	15
6.7.3	Other relevant interested parties	15

6.8	Actual and reasonably foreseeable impacts	15
6.8.1	General	15
6.8.2	Benefits and harms	16
6.8.3	AI system failures and reasonably foreseeable misuse	19
6.9	Measures to address harms and benefits	19
Annex A (informative) Guidance for use with ISO/IEC 42001		21
Annex B (informative) Guidance for use with ISO/IEC 23894		23
Annex C (informative) Harms and benefits taxonomy		25
Annex D (informative) Aligning AI system impact assessment with other assessments		27
Annex E (informative) Example of an AI system impact assessment template		31
Bibliography		38