

# ISO/IEC 42005:2025-05 (E)

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

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>1</b>
<b>4</b>	<b>Abbreviated terms .....</b>	<b>2</b>
<b>5</b>	<b>Developing and implementing an AI system impact assessment process .....</b>	<b>3</b>
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
<b>6</b>	<b>Documenting the AI system impact assessment .....</b>	<b>9</b>
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

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