LPRO AI Taskforce - definitions

Earlier this year, the Oregon Legislature enacted House Bill 4153 (2024), establishing the [Task Force on Artificial Intelligence](#) to examine and identify terms and definitions of artificial intelligence (AI) used in technology-related fields and may be used for legislation. HB 4153 charged the Task Force with seeking input from entities affected by AI policies.

To assist with this charge, the Task Force wants your thoughts on a set of AI-related definitions under consideration. This questionnaire seeks to gather information from organizations in different industries, including institutions of higher education, consumer advocacy groups, and businesses affected by AI policies. Please share the link for this survey with other interested organizations, particularly (but not limited to) higher education, consumer advocacy groups, and businesses affected by AI policies.

How do you complete the questionnaire?
Submit and complete the questionnaire by **Friday, October 25th**. You can stop and return to the questionnaire without losing your responses if you use the same computer. The questionnaire should take about 20 minutes, but you might need more or less time depending on your ability to access information and how you answer the questions. Complete one questionnaire per organization. Please forward the survey link to organizations that may be interested in AI legislation that operates in Oregon.

Who are we? The questionnaire is administered by the Legislative Policy and Research Office ([LPRO](#)) on behalf of the Task Force. This nonpartisan office provides staffing and research support to task forces and policy committees in the Oregon Legislature. The results will be used to inform a report that will be shared with the Oregon Legislature later this year. The information you and other participants share will be summarized, and no individual identifying information will be used in the report.

Questions? If you have any questions about this work or if you want to complete the questionnaire in a different format (e.g., Word document, phone/video interview), contact Meghan Franco, LPRO Research Analyst, via email at Meghan.Franco@oregonlegislature.gov.

Page Break

Q3 Please categorize the industry/field/sector of your current or usual employment.

○ Agriculture

○ Construction

○ Education K-12

○ Financial activities

○ Government

○ Health services

○ Higher Education

○ Information

○ Leisure and hospitality

○ Manufacturing

○ Natural resources, mining

○ Non-profit

○ Professional and business services

○ Self-employment

○ Trade, transportation, and utilities

Q4 Does your industry or sector have a list or other source of AI-related definitions that is commonly referred to?

○ Yes (if yes, please provide the name of the source, and a web link if possible)

_____

○ No

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End of Block: Introduction

Start of Block: Definitions (1 of 3)

AI From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Artificial Intelligence - a machine-based system that can, for a given set of human-defined objectives, make predictions, recommendations, or decisions influencing real or virtual environments. Artificial intelligence systems use machine- and human-based inputs to perceive real and virtual environments; abstract such perceptions into models through analysis in an automated manner; and use model inference to formulate options for information or action.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

AI system From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

AI system - any data system, software, hardware, application, tool, or utility that operates in whole or in part using AI.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Accountability From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Accountability - The obligations and responsibilities of an AI system's developers and deployers to ensure the system operates in a manner that is ethical, fair, transparent, and compliant with applicable rules and regulations (see also fairness and transparency). Accountability ensures the actions, decisions and outcomes of an AI system can be traced back to the entity responsible for it.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Accuracy From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

 Accuracy - The degree to which an AI system correctly performs its intended task. It is the measure of the system's performance and effectiveness in producing correct outputs based on its input data. Accuracy is a critical metric in evaluating the reliability of an AI model, especially in applications requiring high precision, such as medical diagnoses.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q45 From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

AI Model - a component of an information system that implements AI technology and uses computational, statistical, or machine-learning techniques to produce outputs from a given set of inputs.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Algorithm From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Algorithm - A set of computational rules to be followed to solve a mathematical problem. More recently, the term has been adopted to refer to a process to be followed, often by a computer.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q46 From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Algorithmic Discrimination - Any use of a software system, including but not limited to an artificial intelligence system, that violates state or federal anti-discriminations law.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Autonomy From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Autonomy - A system's level of independence from human involvement and ability to operate without human intervention. [Different AI systems have different levels of autonomy.] An autonomous system has a set of learning, adaptive and analytical capabilities to respond to situations that were not pre-programmed or anticipated (i.e., decision-based responses) prior to system deployment. Autonomous or semi- autonomous AI systems can be characterized as "human-in-the-loop", "human- on-the-loop", or "human-out-of-the loop" systems depending on their level of meaningful involvement of human beings.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Bias From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Bias - The presence of prejudice or favoritism in AI systems that leads to unfair or discriminatory outcomes. AI can inherit biases from training data or human input, affecting groups based on gender, race, age, etc.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Deep fake From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Deep fake - Multimedia that has either been synthetically created or manipulated using some form of machine or deep learning (artificial intelligence) technology. Other terms used to describe media that have been synthetically generated and/or manipulated include Shallow/Cheap Fakes, Generative AI, and Computer Generated Imagery (CGI).

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q17 [**optional**] Do you have additional comments about one or more definitions on this page?

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Dependability From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Dependability - Ability to perform as and when required

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Deployer From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Deployer - A second party performing the deployment of an artificial intelligence software or system to a first-party customer.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Deployment From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Deployment - Phase of an artificial intelligence project in which a system is put into operation and customer issues are resolved

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Developer From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Developer - A general term that includes artificial intelligence developers or manufacturers of systems, system components, or system services; systems integrators; vendors; and product resellers. Development of systems, components, or services can occur internally within organizations or through external entities

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Distributor From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Distributor - a natural or legal person in the supply chain, other than the provider or the importer, that makes an AI system available on the Union market

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Distributor/Integrat From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Distributor/Integrator - natural or legal person that knowingly resells a General Purpose AI System or integrates a General Purpose AI System into a software application and offers said integration to the general public. An Integrator is neither a Developer nor a Deployer, nor will any person be deemed an Integrator as a result of offering or redistributing preexisting information technology infrastructure

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Downstream Provider From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Downstream Provider - a provider of an AI system, including a general-purpose AI system, which integrates an AI model, regardless of whether the AI model is provided by themselves and vertically integrated or provided by another entity based on contractual relations

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Ethics by design From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Ethics by Design - An approach to technology ethics and a key component of responsible innovation that aims to integrate ethics in the design and development stage of the technology. Sometimes formulated as "embedding values in design." Similar terms are "value-sensitive design" and "ethically aligned design."

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Fairness From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Fairness - An attribute of an AI system that prioritizes relatively equal treatment of individuals or

groups in its decisions and actions in a consistent, accurate and measurable manner. Every model must identify the appropriate standard of fairness that best applies, but most often it the AI system's decisions should not adversely impact, whether directly or disparately, sensitive attributes like race, gender, or religion.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Generative AI From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Generative AI - the class of AI models that emulate the structure and characteristics of input data in order to generate derived synthetic content. This can include images, videos, audio, text, and other digital content.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q41 [**optional**] Do you have additional comments about one or more definitions on this page?

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End of Block: Definitions (2 of 3)

Q28 From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Impact assessment - A risk management tool that seeks to ensure an organization has sufficiently considered a system's relative benefits and costs before implementation. In the context of AI, an impact assessment helps to answer a simple question: alongside this system's intended use, for whom could it fail?

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q29 From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Large Language Model (LLM) - A class of language models that use deep-learning algorithms and are trained on extremely large textual datasets that can be multiple terabytes in size. LLMs can be classed into two types: generative or discriminatory. Generative LLMs are models that output text, such as the answer to a question or even writing an essay on a specific topic. They are typically unsupervised or semi-supervised learning models that predict what the response is for a given task. Discriminatory LLMs are supervised learning models that usually focus on

classifying text, such as determining whether a text was made by a human or AI.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Machine learning From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Machine learning - a set of techniques that can be used to train AI algorithms to improve performance at a task based on data.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q31 From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Oversight - The process of effectively monitoring and supervising an AI system to minimize risks, ensure regulatory compliance and uphold responsible practices. Oversight is important for effective AI governance, and mechanisms may include certification processes, conformity

assessments and regulatory authorities responsible for enforcement.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q32 From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Reliability - An attribute of an AI system that ensures it behaves as expected and performs its intended function consistently and accurately, even with new data that it has not been trained on.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q33 From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Risk - The combination of the probability of an occurrence of harm and the severity of that harm

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q34 From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Safety - A broad term, which may refer to designing, developing, and deploying AI systems that minimize AI harms from misinformation, disinformation, deepfakes, hallucinations and other unintended behaviors. It may also refer to mitigating and managing malicious use or rogue behavior. Safety also encompasses the prevention of existential or unexpected risks that may arise from advanced AI capabilities reflected in foundation models.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q35 From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Systemic Risk - A risk that is specific to the high-impact capabilities of general-purpose AI models, having a significant impact on the Union market due to their reach, or due to actual or reasonably foreseeable negative effects on public health, safety, public security, fundamental

rights, or the society as a whole, that can be propagated at scale across the value chain.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q36 From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Transparency - A broad term that implies openness, comprehensibility and accountability in the way AI algorithms function and make decisions. However, the specific meaning of transparency may vary depending on context. May refer to the extent to which information regarding an AI system is made available to stakeholders, including disclosing if AI is used through techniques like watermarking, and explaining how the model works through model or system cards for example. It also refers to maintenance of technical and nontechnical documentation across the AI life cycle to keep track of processes and decision-making, which can also assist with auditability of the AI system. In the open-source context, transparency may refer to making the source code publicly accessible.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q40 From the point of view of your industry or sector, would you find the use of this definition in Oregon legislation acceptable or unacceptable?

Trustworthy AI - In most cases, this term is used interchangeably with the terms responsible AI and ethical AI, which all refer to principle-based AI development and AI governance, including the principles of security, safety, transparency, explainability, accountability, privacy and nondiscrimination/nonbias (see also bias), among others.

○ Acceptable

○ Neutral

○ Not acceptable

○ I don't know

Q15 [**optional**] Do you have additional comments about one or more definitions on this page?

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Q42 [**optional**] Would you be interested in sharing your perspective on AI definitions in legislation with the Task Force at a future meeting? If yes, please put your contact info (email) in the box below.

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End of Block: Definitions (3 of 3)Block 2