# Global AI Regulation Tracker - Snapshot

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The tracker below provides a brief snapshot of AI policy and regulatory developments around the world, including links to relevant source materials. For a more comprehensive and live version of this tracker, please refer to the <u>Global AI Regulation Tracker</u>.

Market	Status	Official Materials
Australia Canada	<ul> <li>AI ethics framework available (federal level). A comprehensive AI assurance framework available at NSW level.</li> <li>No AI-specific content yet. antiollowing ublic ansultation the Australian event with the autounce of will be a sounce of the provided of the automation of</li></ul>	<ul> <li>Commonwealth AI ethics principles (2019):         <ul> <li>[New South Wales] AI Assurance Framework</li> <li>[022):</li> <li>consultated Cofe and Responsible AI in astralia Consultation (2023-24):</li> </ul> </li> <li>Bill C-27 (proposed since 2021):</li> <li>Canadian Directive on Automated Decision Making (2023):</li> <li>Carol an Guardrails for Generative AI - Code of Value (Draft - subject to public comment) 23):</li> <li>Insultation paper - Consultation on Copyright in the Age of Generative Artificial Intelligence (2023):</li> <li>Principles for responsible, trustworthy and privacy-protective generative AI technologies (2023):</li> </ul>
Singapore	<ul> <li>AI ethics framework, toolkit and regulatory sandbox available.</li> <li>No AI-specific regulation yet.</li> </ul>	<ul> <li><u>Model AI Framework (2020):</u></li> <li><u>Implementation and Self Assessment Guide for</u> <u>Organisations (ISAGO) (2020):</u></li> </ul>



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# Australia

#### **Regulation Status**

- No AI-specific regulation yet. But following public consultation, the Australian Government has announced it will look to regulate high risk AI applications.
- AI ethics framework available (federal level). A comprehensive AI assurance framework available at NSW level.

#### Latest Developments

- [1 May 2024] Australian government announces ban on deepfake pornography: Australian Prime Minister Anthony Albanese has announced a \$925 million investment to combat violence against women, including (1) legislation to ban the creation and non-consensual distribution of deepfake pornography; (2) \$6.5m of additional funding for the eSafety commissioner to pilot age verification to protect children from pornography and other age-restricted online services; and (3) introducing anti-doxing legislation in early August
- Tt's ustralian government will [23 April 2024] Australian ıpda ılati .en borted th nent signal the direction of the nation I re ne a p the AI visory group into a permanent arou et s rev b advisory group to guide the plan ody, bu ess rectly re sented in the new advisory Jnl ren ders will b une ( group. Australia is reported, considering two visions of regulation for high-risk AI. a prescriptive to style AI law or legislation relying on broad principles.
- [26 March 2024] Australian Parliament launches second inquiry into AI: The Australian Parliament will commence a second inquiry into AI, focusing on the broader implications and opportunities of the technology. The initiative is led by Greens senator David Shoebridge, with bi-partisan support. te will b 1) F ent trends and opportunities in the tee' efer ns d 201 development and adoption of AI techr arding generative AI; (2) Risks and harms gies in str erse in particu arising from the adoption of AI techno ies, ind ind as mir on and erro 3) Emerging international approaches to tizens, the e ironment and/or economic growth, for h w mitigating AI risks; (4) Opportunities dopt s th nefi bonsit AI industry in Australia; (6) Potential threats fos example in health and climate managene Opp unitie

to democracy and trust in institutions from generative AI; and (7) Environmental impacts of AI technologies and opportunities for limiting and mitigating impacts.

- [14 February 2024] New artificial intelligence expert group: The Minister for Industry and Science Ed Husic announced the establishment of a new Artificial Intelligence Expert Group. The Group will provide advice to the Department of Industry, Science and Resources on immediate work on transparency, testing and accountability, including options for AI guardrails in high-risk settings, to help ensure AI systems are safe.
- [17 January 2024] Australian Government's interim response to safe and responsible AI consultation: The Australian Government has published its interim response to the safe and responsible AI consultation held in 2023.

- [14 January 2024] New laws to curb danger of high-risk AI: The Australian government announced that it will set up an advisory body of industry and academic experts to work with government to devise a legislative framework around 'high risk' AI applications.
- [5 December 2023] Australian Government establishes a Copyright and AI Reference Group: The reference group will be a standing mechanism for ongoing engagement with stakeholders across a wide range of sectors, including the creative, media and technology sectors, to consider copyright issues in a careful and consultative way.
- [13 November 2023] Government response to the Royal Commission into the Robodebt Scheme: The Australian Government released its response to the report of the Royal Commission into the Robodebt Scheme. The Government has accepted or accepted in principle all Efferencemmendations made by the Royal Commission.
- [18 October 2023] Pa cross-party forum has been launched mentary Fri nd I ovat hed: A n ) Gro laı ole hd innov he future of Australia's in Parliament to drive rsta log ent u i producti economy. It will provide a for technologies like AI, as well as run fo hrl). ian -enhanc and ler st d d elopmer briefings and events d earch ren as well as tment trends. The first briefing was on the functions of AI, the economic implications of AI for Australia, and best practice approaches to regulation and

governance. Business representatives that were in attendance included Atlassian, Accenture, Cochlear, Google, Harrison.AI, SEEK, and Xero.

[28 September 2023] Government r Re w Repo The o the acv to the Privacy Act Review Report. en ed a ni ber of the ive Gove ADM), Go that: (i) P topic of automated decision makin gre Ιo info that will be used in ADM that igni nt effect or have l mi right to request meaningful informa ab how au ted sision with I

Report's proposals. In particular, on the policies should set out the types of personal dividual's rights; (ii) Individuals should have I or similarly significant effect is made.

- [7 July 2023] Report of the Royal Commission into the Robodebt Scheme: The Royal Commission into the Robodebt Scheme released its final report. The Report explored what went wrong with Robodebt, including a range of issues across Australia's public sector administration. Chapter 17 specifically dealt with AI and ADM issues, with two recommendations being (1) reform of legislation and implementation of regulation in relation to ADM and (2) establishment of a new body, or expansion of an existing body, to monitor and audit ADM processes.
- [1 June 2023] Public consultation round into AI regulation: The Australian federal government led by Industry and Science Minister Ed Husic, has launched public consultations seeking public submissions on AI regulation. As part of this, the government has released (1) a discussion paper titled 'Safe and Responsible AI in Australia' that canvasses existing regulatory and governance responses in Australia and overseas, identifies potential gaps and proposes several options to strengthen the framework governing the safe and responsible use of AI, and (2) a report by the National Science and Technology Council that assesses potential risks and opportunities in relation to AI, and will provide a scientific basis for discussions about the way forward. Public submissions close 26 July 2023.

- [12 May 2023] 2023-24 Budget: As part of the 2023-24 May Budget, the Australian Government has announced \$101.2 million to support businesses to integrate quantum and artificial intelligence technologies into their operations.
- [March 2023] Responsible AI Network launched: The CSIRO launches a world-first program bringing together experts, regulatory bodies, training organisations, and practitioners to focus on responsible AI solutions for Australian industry.
- [16 February 2023] Privacy Act Review: Australia released a review of its Privacy Act, with recommendations to align it closer to the GDPR.
- [March/April 2022] Public consultation on AI regulation: Australian government sought public input on how to approach AI regulation. Final report yet to be released.

#### Sector developments

- [29 April 2024] Consultat ppened a public consultation ralia Governm for th ine S ewa as part of a review of th 021. Inline Safety ll e: etł changes e needed to ensure Australia's hine nis ew der the r online safety laws remain co further protections to address purpo ng o fakes) and algorithms, and online harms stemming from te ge e AI ( luding d and whether the existing pe nnlia Consultation closes 21 June he e tive de rent industrv r rкs a 2024.
- [1 May 2024] Standards Australia and CSIRO release guidance on ISO/IEC 42001:2023: Standards Australia and CSIRO have released a report titled "Understanding 42001" which provides guidance on the "ISO/IEC 42001:2023, Information Technology Artificial Intelligence Management System" standard. It shede light on the critical aspects of AI management system standards and their impact on Australian organizations of the under amount ty.
- e Fr [23 April 2024] Copyright and AI Re ework esta ed: The Attorney-General Department has nce Gi ٥v established the Copyright and Artific rou CAIRG) to fa tate engagement, information sharing and ntellio ere ce F open discussion between government Jove hent ors ht and nerging copyright-AI issues to better prepare Australia for copyright challenges emerging from AI. The steering committee, consisting of 20 representatives from within the CAIRG, has been established to assist in testing ideas and proposals before consulting with the broader CAIRG. Unlike the temporary AI reference group set up by Industry minister Ed Husic in February and mostly comprised of academics, the CAIRG will "continue indefinitely at the government's discretion, subject to periodic review of its usefulness to government and participants" (CAIRG press release).
- [29 April 2024] Alphinity and CSIRO release responsible AI framework for financial services: Alphinity Investment Management and CSIRO have released a responsible AI framework and toolkit to assist investors in navigating the AI opportunity. The toolkit, titled "The Intersection of Responsible AI and ESG: A Framework for Investors Report," consists of three parts and can be customized by investors to evaluate the impact of AI on their investment portfolio. The framework includes 27 AI use cases across 9 sectors to determine materiality risk.

- [27 March 2024] AI foundation model report released by CSIRO: The Australian Government has published a report on AI foundation models. The report was prepared by CSIRO, the Commonwealth Scientific and Industrial Research Organisation. The report includes an overview of foundation models, impact assessments, policy considerations, use case examples, and more.
- [12 March 2024] Industry code on search engines to curb AI-generated child abuse material comes into force: The online safety code on internet search engine services came into force. Among other provisions, the code will require internet search engines to take important steps (e.g. regular reviews, testing and adjustments) to reduce the risk that material like child abuse material is returned in search results and that AI functionality integrated with the search engines are not used to generate "synthetic" versions of this material.
- [1 February 2024] Productivity Commission releases papers on AI productivity, regulation and data access: The Productivity



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- [31 January 2024] ASIC chair says current regulation around AI may not be sufficient: ASIC Chair Joe Longo spoke at the UTS Human Technology Institute Shaping Our Future Symposium that the current state of AI regulation and governance in Australia may not be enough. That said, existing obligations around good governance and the provision of financial services don't change with new technology.
- [23 November 2023] Digital platform gulato Forum (DP-REG) has published work paper

[20 November 2023] eSafety welcomes

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and AI: The Digital Platform Regulators models (LLMs) used in generative AI.

e online child sexual abuse and pro-terror

<u>material</u>: Australia's eSafety Commissioner has commenced public consultation on draft industry standards which will require tech companies to do more to tackle seriously harmful content, including online child sexual abuse material and pro-terror content, especially those created with generative AI.

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- [17 November 2023] Australian Framework for Generative Artificial Intelligence in Schools: This Framework seeks to guide the responsible and ethical use of generative AI tools in ways that benefit students, schools, and society. The Framework supports all people connected with school education including school leaders, teachers, support staff, service providers, parents, guardians, students and policy makers.
- [30 October 2023] Cybersecurity Cooperative Research Centre Report on Data Poisoning and Label Poisoning: The report from the Cybersecurity Cooperative Research Centre, titled 'Poison the Well: AI, Data Integrity, and Emerging Cyber Threats' explores the risks of 'data poisoning' and 'label poisoning', and suggests using Australia's modern slavery laws for AI data oversight.

- [8 September 2023] eSafety Commissioner announces new rules on search engines to curb AI-generated child abuse material: Australia's eSafety Commissioner will register an online safety code that will require internet search engines to take important steps to reduce the risk that material like child abuse material is returned in search results and that AI functionality integrated with the search engines are not used to generate "synthetic" versions of this material. The Search Code will come into effect six months from the date of registration.
- [24 May 2023] Inquiry into the use of generative AI in the Australian education system: The House Standing Committee on Employment, Education and Training adopted an inquiry into the use of generative AI in the Australian education system on 24 May 2023 following a referral from the Minister for Education, the Hon Jason Clare MP.

#### **Official Materials**

- <u>[Consultation] Safe and the rible AI A ralia in V 1 (20</u> 24) the control hub to be a by the Australian Government's consultation integral of the area of the control of AI and support safe and responsible AI practices.
- [New South Wales] AI Assurance Framework (2022): A comprehensive framework to guide the design, build and use of AIenabled products and solutions. This framework is mandatory on New South Wales (NSW) government agencies, but can be a useful reference guide for organisations and developers outside of the NSW public sector.
- etal and environmental wellbeing, (2) Commonwealth AI ethics principles (20 ines Nics ncip - (1) h nn, s d safety, (6) transparency and human-centred values, (3) fairness, , (5) reli ity privad rot ecu explainability, (7) contestability, and accou bil

# Canada

### **Regulation Status**

- Draft AI bill introduced.
- Various ongoing consultations into sector specific issues relating to AI (e.g. copyright, privacy, competition).

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## Latest Developments

• [7 April 2024] Canada announces budget of \$2.4 billion for AI: Prime Minister Justin Trudeau has announced a \$2.4 billion package of measures from the upcoming Budget 2024 to secure Canada's AI advantage. The government will also develop a new Canadian AI Sovereign Compute Strategy to catalyse the development of Canadian-owned and located AI infrastructure.

Additionally, a new Car AI Safe nstitute to furthe e development and deployment milli be c ed a's world-leading AI advantage for the of AI. The announce it aims to in n inno n t ecure Ca ono n a : gr future.

- <u>[20 March 2024] Cospetitice our provide recked A and appetition:</u> Competition: Competition by Competition or plic country of the paper on AI and control or plic country of the paper of the paper of AI and control of plic country of the paper of the paper of AI and control of plic country of the paper of the paper of AI and control of plic country of the paper of the paper of AI and control of plic country of the paper of the paper of AI and control of plic country of the paper of the paper of AI and control of plic country of the paper of the
- [7 December 2023] Canadian privacy regulators launch principles for responsible development and use of generative AI: Federal, provincial and territorial privacy automotion have a slope a set of principle to a minice the responsible, trustworthy and privacy-protective development are use of minice and the minice is in Canada

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 [28 November 2023] Proposed al andmen Industry François-Philippe Champing e proposed amendments to the AIDA. Act (AIDA): Minister of Innovation, Science, and on Industry, Science and Technology with

proposed amendments to the AIDA. proposed amendment produce new definition of "artificial intelligence system" (AI systems) and "machine learning model"; (2) set out initial classes of high-impact AI systems parameters for the Government to deem further classes of systems as high-impact systems; (3) establish distinct obligations on different actors across the AI value chain and clarify that AIDA's obligation only applies once systems (or machine learning models) are placed on the market or put into use; (4) require the establishment of accountability frameworks for those involved in the development and deployment of general-purpose or high-risk AI systems; (5) provide for new powers for the new Artificial Intelligence and Data Commissioner; and (6) align AIDA with the EU AI Act.

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• [12 October 2023] Government of Canada launches consultation on the implications of generative artificial intelligence for copyright: Canadian government has launched public consultation into implications of generative artificial intelligence for copyright. Public submissions due by 4 December 2023, with findings to be posted online in 2024.

- [16 August 2023] Canadian government seeks input on voluntary code of practice for generative AI: The Canadian government plans to consult with the public about the creation of a 'voluntary code of practice' for generative AI companies. The voluntary code of practice for generative AI systems will be developed through Innovation, Science and Economic Development Canada (ISEDC), and aims to ensure that participating firms adopt safety measures, testing protocols and disclosure practices.
- [April 2023] Privacy investigation into OpenAI: Canada's privacy regulator has opened an investigation into OpenAI in response to • a complaint alleged the collection, use and disclosure of personal information without consent

### **Official Materials**

• Principles for responsible, trustworthy and privacy-protective generative AI technologies (2023): Federal, provincial and territorial privacy authorities in Canda have developed a set of principles when developing, providing, or using generative AI models, tools, products and service ting and inclu 1) Est hing r co au

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rsonal information, and when nt about the way information is used ards for privacy rights; and (5)

023): Consultation paper that

explores the questions on: (i) the use of copyright-protected works in the training of AI systems; (ii) authorship and ownership rights related to AI-generated content; and (iii) liability, especially when AI-generated content could infringe existing copyrightprotected works. Public submissions due by 4 December 2023, with findings to be posted online in 2024.

Canadian Guardrails for Generati ce for has released a draft code of pra by Canadian firms ahead of the ming i Equity, Transparency, Human rsight

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publ omment) (2023): The Canadian Government de would be implemented on a voluntary basis e following core elements: Safety, Fairness & sting, and Accountability.

- Canadian Directive on Automated Section Making (2023). This uncerve applies to most of Canada's federal government institutions. It takes a principles-based approach to classifying AI into risk categories (low, moderate, high and very high). The directive requires Canadian Government agencies to classify new systems into one of the four risk categories. Graduated requirements require more intensive algorithmic impact assessments, transparency, quality assurance, recourse and reporting requirements for higher risk systems.
- Bill C-27 (proposed since 2021): The Canadian government introduced Bill C-27, also known as the Digital Charter • Implementation Act, 2022. If passed, this package of laws will implement Canada's first AI legislation, the Artificial Intelligence and Data Act (AIDA); reform Canadian privacy law; and establish a tribunal specific to privacy and data protection. The AIDA has 3 objectives: (1) regulate 'high-impact AI systems', (2) establish the AI and Data Commissioner as the regulator and enforcer, and (3)establish new criminal sanctions to restrict uses of AI that cause serious harm.

## Singapore

### **Regulation Status**

- No AI-specific regulation yet.
- AI ethics framework, toolkit and regulatory sandbox available.

### Latest Developments

- [1 March 2024] Singapore PDPC releases Advisory Guidelines on use of Personal Data in AI Recommendation and Decision Systems: Following a consultation, Singapore PDPC has issued its advisory guidelines on personal data use for recommendation and decision AI systems.
- [28 February 2024] llectual • Office and S еi ease aw A Code Vhe eat Singapore Managen iversity A Lands d a i lal of Artificial Intelligence not a tell bcate spe per epo aims to provide the backar d or brmed d bau nd decisio haking a TDM patents, designs, in the ent : ep. hs).

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perty Office of Singapore and the bort on Issues at the Intersection c policy recommendations, but rather t IP issues in AI (including copyright,

- [19 January 2024] Singapore urges global law against deepfakes: At the World Economic Forum at Davos, Singapore Communications and Information Minister Josephine Teo urged for "international rules" on deepfakes, especially following recent incidents in Singapore where deepfake videos of Singapore's PM and Deputy DM were used to promote investment scams.
- [16 January 2024] Singapore pro • feedback on its new Model AI Go rnance



evelopment: Singapore is seeking public xpected to be finalised in mid-2024.

[4 December 2023] Singapore u tes it • stra av: three to five years. These include A nc tra ng pr sufficient carbon budget for data centres.

is 2.0' lays out 15 courses of action over the next licate hysical space for AI, and the allocation of a

[31 October 2023] First of its kind Generative AI Evaluation Sandbox for Trusted AI by AI Verify Foundation and IMDA:

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Singapore's IMDA and AI Verify Foundation have launched the 'Generative AI Evaluation Sandbox', a new initiative to build knowledge and develop new benchmarks and tests for generative AI (GAI) systems. Basically, the Sandbox provides (1) a comprehensive 'catalogue' (basically a playbook) that collates current evaluation benchmarks and testing methods; and (2) an 'ecosystem' that provides "a space for experimentation and development" for independent, open source, and third-party model evaluations. Key players like Google, Microsoft, Anthropic, IBM, Nvidia, Stability AI and AWS are participating in this Sandbox.

[13 October 2023] Announcement of US-Singapore Critical and Emerging Technology Dialogue: Singapore and US announced at the inaugural Dialogue on Critical and Emerging Technologies (CET Dialogue) held in Washington DC, that they had launched the

world's first ever interoperable AI Governance framework. The interoperable AI Governance framework is the result of a joint mapping of Singapore's AI Verify and US National Institute of Standards and Technology's AI Risk Management Framework.

- [5 October 2023] MAS outlines AI implementation in financial services regulation: Singapore's financial regulator, the Monetary Authority of Singapore (MAS), has responded to parliamentary questions regarding the potential of AI, outlining the tech's strengths in its regulatory capabilities in the financial services sector.
- [19 June 2023] Singapore is not looking to regulate AI: It is reported that Singapore is not rushing to set AI regulation even as there are repeated calls for government interventions to address its risks. "We are currently not looking at regulating AI," Lee Wan Sie, director for trusted AI and data at Singapore's Infocomm Media Development Authority, told CNBC.
- [7 June 2023] Singar a launenes 'A Dis Genera • fv Foι on' per SION lisl transformation board **Infocom** hori nas Dev a paper le addressing the top risks as th ted erat bore anche he AI Ve and standa organisation (owned MIMD ctic cha : for AI, ror e best (such as AI Verify).

<u>AI:</u> Singapore's digital poses a framework for Foundation which is a not-for-profit ticularly open-source AI-testing tools

[25 May 2022] Singapore launches 'AI Verify': Singapore launched 'AI Verify' which is the world's first AI Governance Testing • Framework and Toolkit for companies that wish to demonstrate responsible AI in an objective and verifiable manner. AI Verify aims to promote transparency between companies and their stakeholders. Developers and owners can verify the claimed performance of their AI systems ag . AI Verify packages a set of open-source of ples rou standar d te testing solutions together, includi a set d PC nto oolkit for lient self-assessment. The Toolkit will generate roc ba affecting AI performance. reports for developers, managem and b nes coν ng maior a

#### **Official Materials**

- <u>Advisory Guidelines on use of Personal Data in AI Recommendation and Decision Systems (2024)</u>: The Advisory Guidelines offer clarity to organizations on using personal data for AI development, provide guidance on consumer consent information, outline obligations for third-party AI developers, and offer best practices for PDPA compliance. These guidelines should be used alongside other relevant advisory documents.
- <u>Model AI Governance Framework for Generative AI (2024)</u>: The AI Verify Foundation and Infocomm Media Development Authority have developed a draft Model AI Governance Framework for Generative AI. This framework expands on the existing Model Governance Framework.
- <u>Cataloguing LLM Evaluations (Draft for Discussion) (2023)</u>: A comprehensive 'catalogue' (basically a playbook) that collates current evaluation benchmarks and testing methods.
- <u>Proposed Advisory Guidelines on Use of Personal Data in AI Recommendation and Decision Systems (2023)</u>: These guidelines clarify how the PDPA applies to the collection and use of personal data by organisations to develop and deploy AI systems which

are used to make decisions autonomously or to assist a human decision-maker through recommendations and predictions. These guidelines cover consent, business improvement and research exceptions, implementing data protection measures, anonymisation, notification and consent obligations, and accountability obligations.

AI Verify (2022): AI Verify is an AI governance testing framework and software toolkit that validates the performance of AI systems against a set of internationally recognised principles through standardised tests, and is consistent with international AI governance frameworks such as those from European Union, OECD and Singapore. AI Verify toolkit is Minimum Viable Product (MVP).

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organisations to address key ethical and governance issues when deploying Al solutions. The Framework sets two guiding principles: (1) decisions made by AI should be explainable, transparent and fair, and (2) AI systems should be human-centric. These guiding principles are supported by 4 areas: (1) internal governance structures and measures, (2) human involvement in AI-augmented decision making, (3) operations management and (4) stakeholder interaction and communication. The first edition was released in January 2019, follow more ailed cor dition nuar 2020.

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