**International Moratorium of Research on Large-Scale AI Capabilities**

**(IMRAI)**

**2023**

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# Preamble

The nations collectively coming together, henceforth forming this treaty. Hereafter, called “The Parties of this Treaty”.

Recognizing the rising crimes caused due to Large Scale Artificial Intelligence capabilities and systems which includes prompting chatbots and GPTs to explore private information and commit frauds and other illegal activities.

Concerned about the potential misuse of AI technology and its impact on geopolitics, human rights and ethics and the risks involved, albeit ethical and associated with the development and deployment of such AI capabilities in the world which shall result in global strife and violations.

Mindful of the rising capabilities of such Artificial Intelligence systems to mimic human behaviour and even outdo them in certain instances.

Observing the deteriorating opinions regarding the rise of such large-scale AI capabilities and systems, with people banding together against such developments.

Highlighting the significance of global cooperation and collaboration to address the issues brought on by AI.

Acknowledging the necessity of a guideline that is equally approachable and enforceable amongst the parties irrespective of their racial or ethnic compositions whatsoever.

Affirming the need for an enforcement mechanism to effectively stop the development of such large-scale Artificial Intelligence capabilities and systems until the world is finally convinced that they are capable of hosting such research and development again.

The nations have therefore met to give themselves the following treaty and bring it into effect with proper considerations and keeping the potential consequences in mind. The signatories are mindful of the potential risks and are standing up to fight against this menace therefore, effectively stopping the development of large-scale Artificial Intelligence capabilities and explore other ethical paths in the field of the development of such AI capabilities. So, that humanity does not suffer because of their own follies and in fact develops machines that are capable of complimenting it instead of imitating, bettering or even replace it in the far future. The nations believe that such a moratorium is necessary for the development of a peaceful global order.

# Article I

1. Any mechanism or technological advances that is capable of carrying out tasks or coming to decisions that would typically require human intelligence is referred to as "artificial intelligence" for the purposes of this Treaty.
2. AI systems with general intelligence and the ability to complete any intellectual task that a human can complete are referred to as "Artificial General Intelligence (AGI)" systems.
3. "Artificial Superintelligence (ASI)" refers to AI systems that are capable of outperforming humans in any intellectual task and that virtually outperform human intelligence.

# Article II

The term "large-scale AI capabilities" here refers to AI systems like general artificial intelligence (AGI), artificial superintelligence (ASI), and large-scale artificial intelligence that have the potential to significantly outperform human cognitive abilities. This treaty applies to all research and development activities that aim to develop large-scale AI capabilities.

# Article III

Large-scale AI capability research and development are put on hold until the requirements of Article VIII are satisfied. This includes a complete halt to transactions involving the purchase or sale of Large GPU and TPU Clusters as described in IMRAI Article III and the development of technologies that include, but are not limited to, ones defined in Article V, Article VI, Article VII, Article VIII respectively.

# Article IV

1. To oversee the application, control, and governance of AI as outlined in this Treaty, a global organisation to be known as the International Artificial Intelligence Regulatory Authority (IAIRA) shall be established. The Head Office of the IAIRA shall be in the city of Cairns in Australia.

The purpose of the IAIRA is-

a) Monitoring compliance with the treaty provisions.

b) Promoting international cooperation and information sharing.

c) Assessing the safety and ethical implications of resuming large-scale AI capabilities research and development.

2. The IAIRA shall endeavour to secure a dedicated office space within the member nation to oversee the proper enforcement and functioning of the IMRAI. The IAIRA shall have a director and there shall also be a regional officer for each zone, they shall be heading that zone in particular. There shall primarily be 12 zones to ensure the proper functioning and enforcement of the IMRAI.

2.1 The North American Zone.

2.2 The South American Zone.

2.3 The North African Zone.

2.4 The Central African Zone.

2.5 The South African Zone.

2.6 The European Zone.

2.7. The North Asian Zone.

2.8 The Central Asian Zone.

2.9 The South Asian Zone.

2.10 The Singaporean Zone.

2.11 The Korean and the Japanese Zone.

2.12 The Australian Zone.

3.The parties of the treaty must collaborate with the IAIRA to nominate an Artificial Intelligence Regulatory Officer (AIRO).

4.The AIRO shall be nominated based on the following factors-

4.1 The Educational Qualifications of the candidate- To understand the necessity of the treaty and the scientific vigour required to administer their duties, the AIRO must have ample educational qualification preferably with a background in AI and robotics, although this is not mandatory and must not be considered a driving factor.

4.2 The AIRO must also be an active member of the local IAIRA and must have an experience of at least 4 years in the said office.

5. The AIRO shall have a term of 3 years and they must work to ensure the proper functioning of the regulations confined in this document within the member nation. This involves receiving nominal reports and provide policy recommendations to the member nation, so as to properly enforce this treaty in the member nation.

6.However, the ultimate authority of amendments and other legislations shall lie with the member nations and their respective legislative bodies. The AIRO shall only play an advisory role, as long as it relates to legislative duties.

7.Until the nomination of the AIRO, the regional director of the IAIRA shall head the operations and oversee the functioning and enforcement of the IMRAI.

# Article V

1. To avoid the unintended risks linked to uncontrolled AI development, Parties to this Treaty shall take immediate steps to shut down large GPU and TPU clusters used for enhancing and training AI systems.

2. The parties to the treaty must ensure an enforcement of proper national legislations in their jurisprudence to stop and criminalize the act of selling GPUs and TPU clusters without proper authorization to unregulated parties.

3. The Parties to the Treaty are bound to send a Report annually to the IAIRA, noting the quantity of such sales and the parties that are involved in such transactions.

4. The IAIRA shall have the authority to observe and even stop a transaction that they deem unfit with a proper authorization from the Artificial Intelligence Regulatory Official (AIRO), nominated by that nation.

# Article VI

Parties to this Treaty shall prohibit the training of Machine Learning (ML) models or combinations of models with more than 500 million parameters to mitigate the risks associated with over-complex and potentially unmanageable AI systems.

# Article VII

1. Parties to this Treaty shall prohibit the utilization of quantum computers in any AI-related activities. Quantum computing is substantially faster than a traditional computer and can handle innumerable operations simultaneously. The member nations recognize the potential risks and unpredictable consequences associated with quantum computing and AI.

2. The parties shall also pass laws in their respective jurisdictions to consider a moratorium on transactions by AI development organizations, when it comes to quantum computing.

3. The AIRO shall monitor such transactions and inhibit them as and when necessary for the efficient implementation of the IMRAI.

# Article VIII

However, the parties are to not put up a moratorium on medicinal or other industrial uses of Artificial Intelligence. The contention that this treaty supports lies in the rising capabilities of the AI in competing with humanity and imitating their behaviour. Complimenting humanity is entirely acceptable as it helps better the efficiency of production and other services.

# Article IX

1. To prevent unchecked AI development and potential catastrophic risks, Parties to this Treaty shall enact national laws making the advancement of Artificial General Intelligence, also referred to as AGI, or Artificial Superintelligence (ASI) illegal.

2. This shall be achieved by the legislative bodies of the member nations. The member nations are entirely capable of consulting with the IAIRA for such policy recommendations however, they are not bound by such recommendations albeit the IAIRA shall have a right to oppose provisions that are opposed to the motive of this document stated in Article III, Article IV and further Articles respectively.

# Article X

1. The moratorium on large-scale AI capabilities research and development, as stipulated in Article II, shall only be lifted when the following conditions are universally agreed upon by the Parties and the IAIRA:

(a) The creation of widely accepted moral principles for AI development that address AI's negative aspects and crime prevention.

(b) The creation of efficient methods for identifying and reducing the risks posed by AI, such as those related to bias, discrimination, and cybersecurity vulnerabilities.

(c) The creation of comprehensive international governing and legal frameworks to guarantee AI systems' openness, responsibility, and ability to be explained.

(d) To show that there are reliable protections and fail-safe mechanisms in place to stop the uncontrolled emergence of AGI or ASI systems.

(e) The IAIRA and the Parties have agreed that it is ethically right and safe to resume large-scale AI capability research and development.

# Article XI

1. The Parties to this Treaty shall jointly establish the necessary mechanisms to monitor, report on, and enforce compliance with the provisions of this Treaty and the rules established by the IAIRA.

2 To enforce the terms of this Treaty, which includes the imposition of suitable fines and sanctions for non-compliance, Parties shall enact domestic laws and regulations.

3. The regulations stated in Article X are to be regulated with the IAIRA offices in the member nations and the nominated AIRO officer from that jurisdiction.

# Article XII

1. To amend the regulations mentioned in this document, the member nation bringing forward the amendment should convince at least a majority of all the member nations for the said amendment.

2. After proper deliberations, a voting session shall presume, overseen by the director of the IAIRA.

3. If there is a majority in the voting session then the amendment shall be passed and included in the amended treaty document.

4. However, no new Articles are to be added in the document, unless deemed necessary for the purposes of the document.

5. New provisions are to be added as sub sections within the present articles and so on.

# Article XIII

1. The Parties shall report to the IAIRA on a regular basis on their efforts, results, and difficulties in carrying out and implementing the terms of this Treaty.

2. By granting public access to non-confidential information about the execution, enforcement, and compliance of this Treaty, the IAIRA shall ensure transparency.

# Article XIV

1. This Treaty shall enter into force upon ratification by the signing Parties.

2. Every nation in the world shall have the capability to join this treaty as long as they are dedicated to the causes and scope mentioned in Article II and Article III of this Treaty and henceforth.

3. Any Depository Government must inform the other member nations of their signing and keep records of their procedures, as conducted to join the treaty.

4. The Depository Governments shall register the treaty in pursuance with Article 102 of the UN Charter.

5. Until all Parties and the IAIRA concur that it is safe and moral to resume large-scale AI capabilities research and development, this Treaty shall remain in effect.

# Article XV

Each party of the treaty has the right to recede from this treaty when the party feels like it, if it hampers their legislative interests and their supreme laws. The member nation intending to do such an act must inform the IAIRA, at least 6 months before such a move.

# Article XVI

This agreement must be ratified, accepted, or approved. Ratification, acceptance, and approval documents must be filed with the depositary.

Six months after the deposit of the instruments of ratification, acceptance, or approval, this treaty will become operative.

The English, Russian, French, Spanish and Chinese copies of this treaty is equally authentic and must be submitted to the depository governments.

The undersigned, who has been properly authorised to sign, has done so in witness thereof.

Done at Cairns, the 15th day of July, Two Thousand and Twenty-Three.