

# Compute Threshold (AI Governance)

compute-threshold · compute · concept

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## Summary

A regulatory trigger expressed as floating-point operations (FLOPs) consumed during model training, above which specific reporting, evaluation, or governance obligations attach.

## At a glance

Used by

**2 instrument(s)**

Primary source

**Regulation (EU) 2024/1689, Art. 51(2) + Annex XIII pt. (a)**

Related concepts

**frontier-tier, systemic-risk, designated-systemic**

## Details

Compute thresholds operationalize the intuition that capability scales (imperfectly) with training compute. Jurisdictions have adopted different thresholds: US EO 14110 used  $10^{2v}$  FLOPs for foundation-model reporting; EU AI Act Art. 51 uses  $10^{2u}$  FLOPs as the systemic-risk presumption; China's GenAI Measures use no compute threshold (registration triggered by public-facing deployment instead); UK AISI commitments are voluntary and capability-based rather than compute-thresholded. Critics note that thresholds become outdated as algorithmic efficiency improves and that compute alone is an imperfect capability proxy.

## How to cite this article

APA

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CHICAGO

Policy Window. n.d.. "Compute Threshold (AI Governance)." Wiki article (Concept). <https://policywindow.org/wiki/compute-threshold>.

HARVARD

Policy Window (n.d.) 'Compute Threshold (AI Governance)', Wiki article — Concept, available at: <https://policywindow.org/wiki/compute-threshold>.

OSCOLA

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