

ECAI Red Lines & Guardrails Policy

DamageBDD Executive Release

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Purpose

Elliptic Curve AI (ECAI) offers deterministic, verifiable intelligence structures. This policy establishes the non-negotiable boundaries (*Red Lines*) and operational safeguards (*Guardrails*) to ensure that ECAI advances human flourishing while preventing misuse.

Red Lines

The following applications of ECAI are expressly prohibited:

1. **Autonomous Lethal Action** — ECAI must never be deployed to select or execute kinetic or lethal force.
2. **Mass Surveillance** — No non-consensual collection, deanonymization, or tracking of individuals or populations.
3. **Irrevocable Personal Harm** — No encoding of sensitive personal data in immutable, public form without subject consent and revocation channels.
4. **Criminal Enablement** — No automation of fraud, coercion, or suppression of lawful expression.
5. **Truth Monopoly** — No claim that deterministic proofs override human appeal, legal process, or correction.
6. **Centralized Control** — No single entity shall hold unilateral authority over ECAI's cryptographic roots or verification outcomes.

Guardrails

To uphold integrity and trust, the following safeguards are mandatory:

1. **Human-in-the-Loop** — Critical decisions require human attestation and dispute windows before enforcement.
2. **Auditability** — All outputs shall be accompanied by cryptographic proofs, accessible to independent auditors.
3. **Privacy by Design** — Only minimal, non-identifying state shall be encoded; encrypted pointers preferred.

4. **Consent & Revocation** — Mechanisms for contesting or retracting claims are required in all public knowledge anchors.
5. **Threshold Cryptography** — Sensitive operations (minting, burning, anchoring) require multisig or quorum-based authorization.
6. **Staged Deployment** — New capabilities undergo threat modeling, red-team testing, and controlled release before full rollout.
7. **Emergency Controls** — Community-governed, time-locked pause mechanisms must be in place for crisis response.
8. **Transparency** — Regular audit reports and governance updates must be published.
9. **Responsible Incentives** — Tokenomics shall not encourage bypassing safety or dispute mechanisms.

Governance & Compliance

All DamageBDD contributors, node operators, and partners must acknowledge and adhere to this policy. Violations may result in removal from the network, loss of rewards, or further legal action where applicable.

Conclusion

ECAI represents a breakthrough in deterministic verification. By respecting these red lines and enforcing these guardrails, we ensure that its power strengthens trust, resilience, and peace rather than undermining them.

*Approved by the DamageBDD Founder
This document is effective as of September 17, 2025*