Law L12:
Deterministic Safety Gate

The Enforcement Layer

Authoritative Edition

L12 Definition

"This is the enforcement layer that blocks execution until HVET validation succeeds."

Terminology Lineage

Formerly: HARMONEE

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Safety Gate

Deterministic Safety Layer

(Renamed for clarity in federal/regulatory contexts)
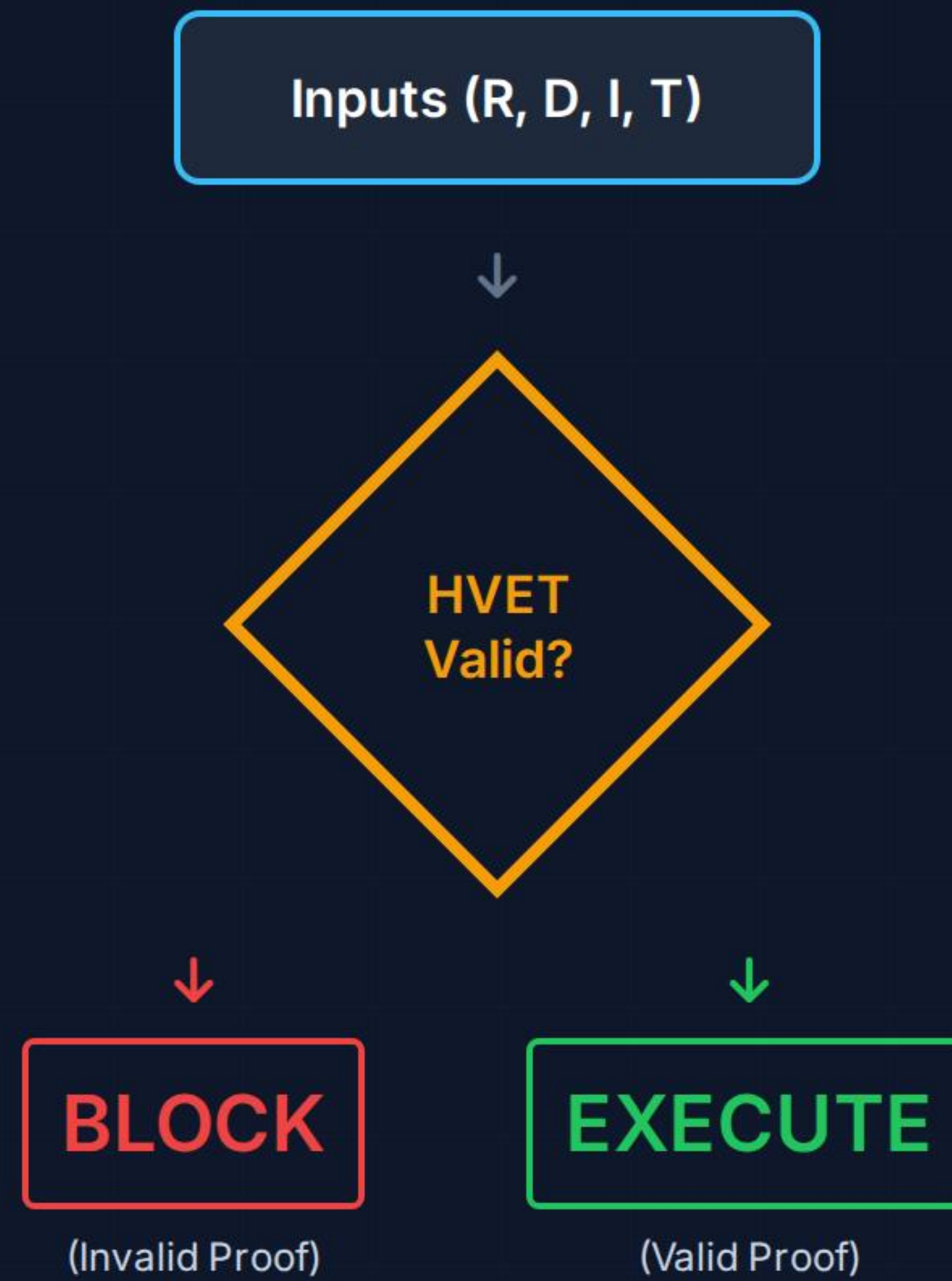
Core Mandates

- ⊞ Deterministic
- ⊘ Non-Bypassable
- 👁 Visible
- 📏 Measurable
- 🔑 Cryptographically Enforced

It is not a "suggestion". It is a **hard stop**.

The Logic Flow

Inputs (R, D, I, T)

HVET Valid?

BLOCK
(Invalid Proof)

EXECUTE
(Valid Proof)

The "Gatekeeper" Role

Prevention

Legacy audits detect errors **after** they happen. The Safety Gate detects errors **before** they happen.

Enforcement

It physically prevents the CPU or Actuator from receiving the command until the math checks out.

Cryptographic Enforcement

The Safety Gate does not rely on "permission bits" or "admin roles".

It relies on **Hashing**.

Math > Trust

"You cannot bribe a hash function."

Why L12 Matters

AI Safety

Stops hallucinated commands.

Finance

Stops fraudulent transfers.

Defense

Stops unauthorized kinetic action.

Summary

L12
Safety Gate

The Checkpoint

L12 converts the abstract laws of NOVAK into a concrete, enforceable barrier. It ensures that no bad action ever slips through.

Questions?

NOVAK Protocol Standards Series

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