

NOVAK PROTOCOL LAWS

# Law L6: Execution Identity

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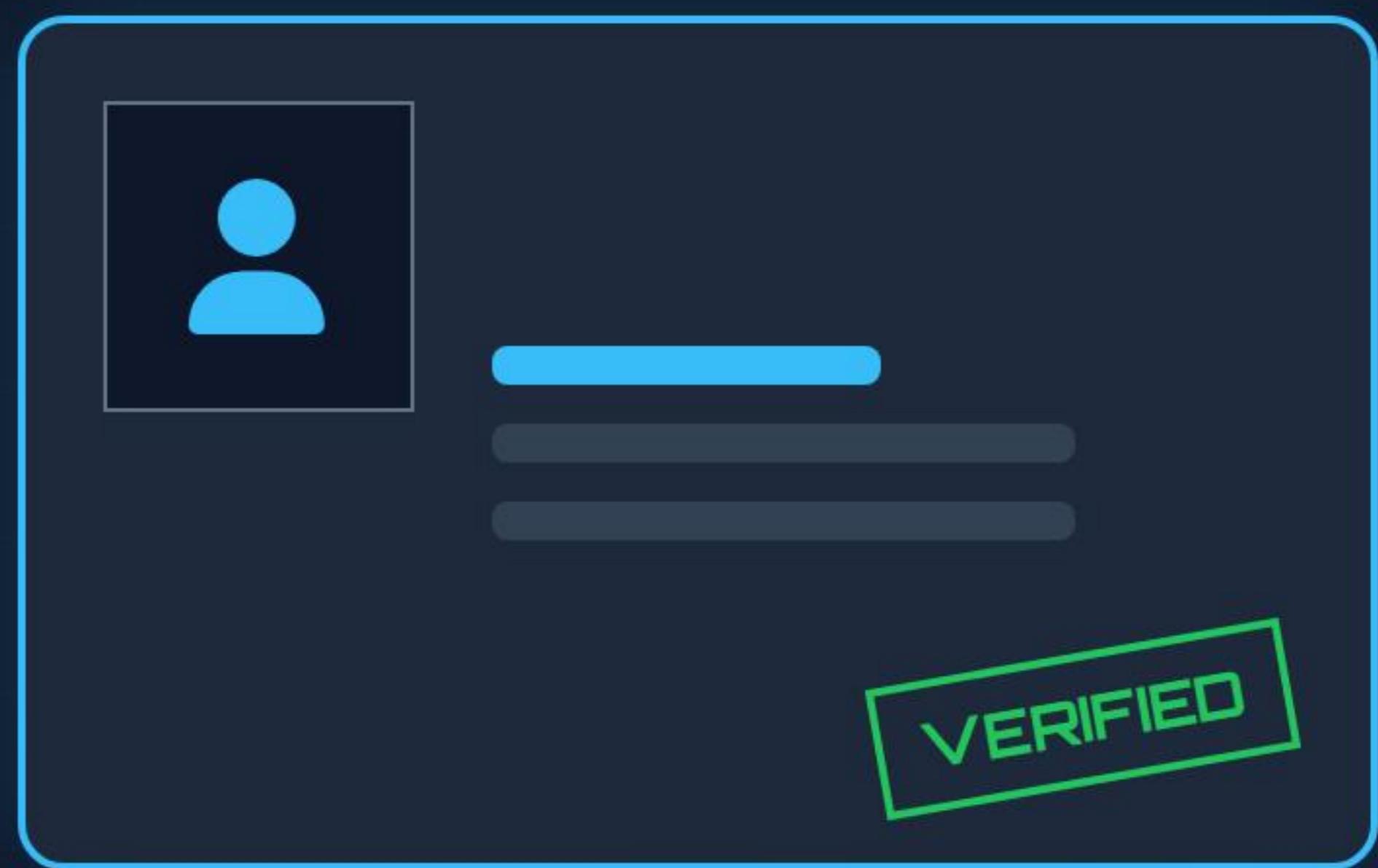
The End of Anonymous Execution

Authoritative Edition

# L6 Definition

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"Every action must be cryptographically bound to a specific, verified identity. No action may occur anonymously."



# The Identity Equation

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Identity is not just a username. It is a composite hash.

$$HI = \text{Hash}(\text{ Actor} + \text{ Device} + \text{ Jurisdiction} + \text{ Intent })$$

This hash binds the "Who", "Where", and "Why" to the "What".

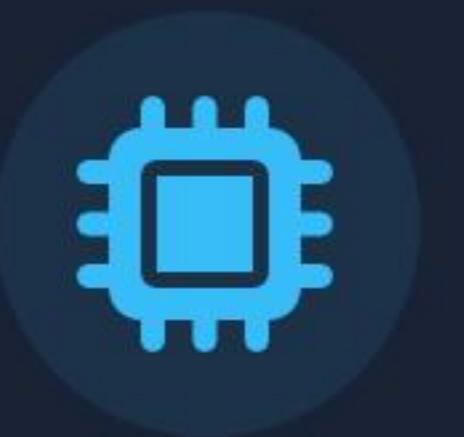
# The 4 Pillars of Identity

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## Actor

User ID, Service Account, or AI Model ID.



## Device

Hardware Root (TPM/PUF) via PL-X.



## Jurisdiction

Legal Domain (VA, DoD, EU).



## Intent

Behavioral Profile via PS-X.

# Auth vs. Binding

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## Authentication

"Let me in."

Happens once at login. Can be stolen. Session tokens can be hijacked.

## Execution Binding (L6)

"I did this specific thing."

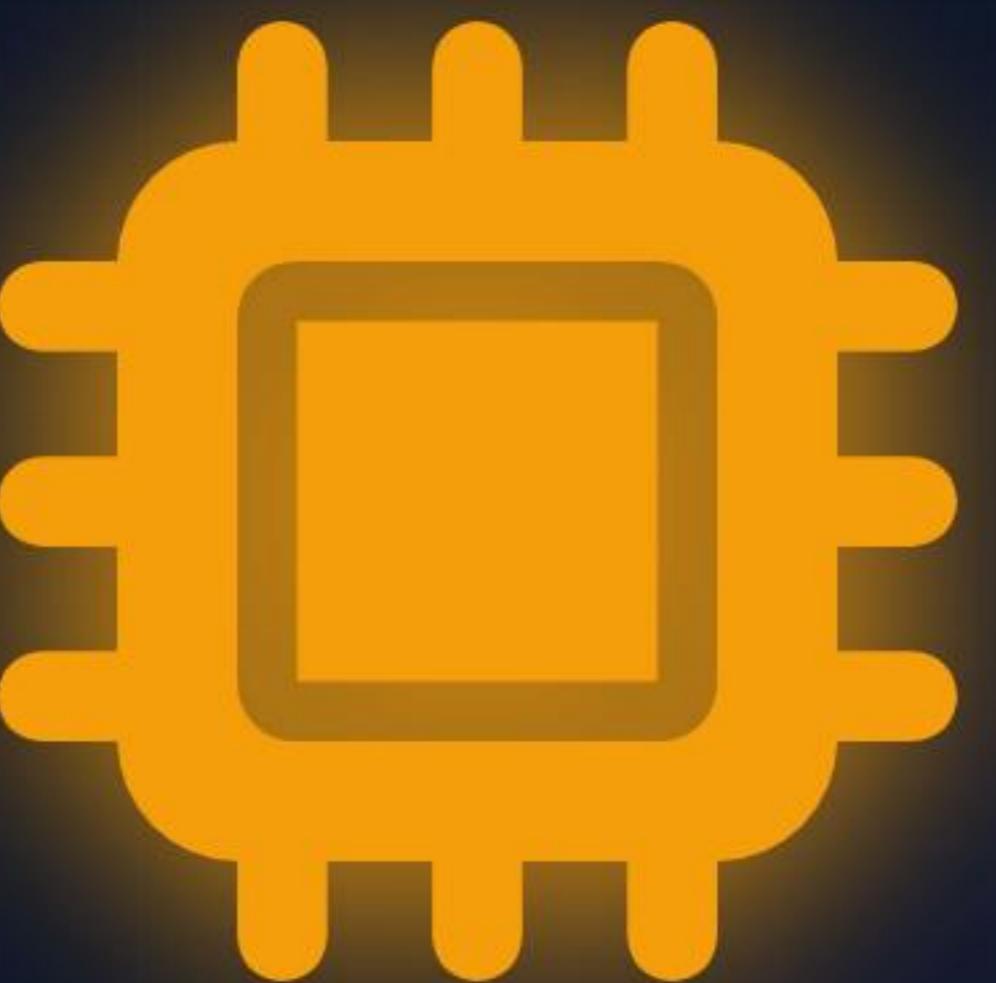
Happens at every single action.  
Cryptographically sealed to the output.

# Hardware Roots (PL-X)

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Software identity is cheap. Hardware identity is expensive.

- **TPM 2.0:** Trusted Platform Module.
- **PUF:** Physical Unclonable Function.
- **Binding:** The device signs the action.



# No Ghost Actions

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## The Problem

In legacy systems, logs can be deleted, and actions can be "orphaned" (no owner).

## The NOVAK Fix

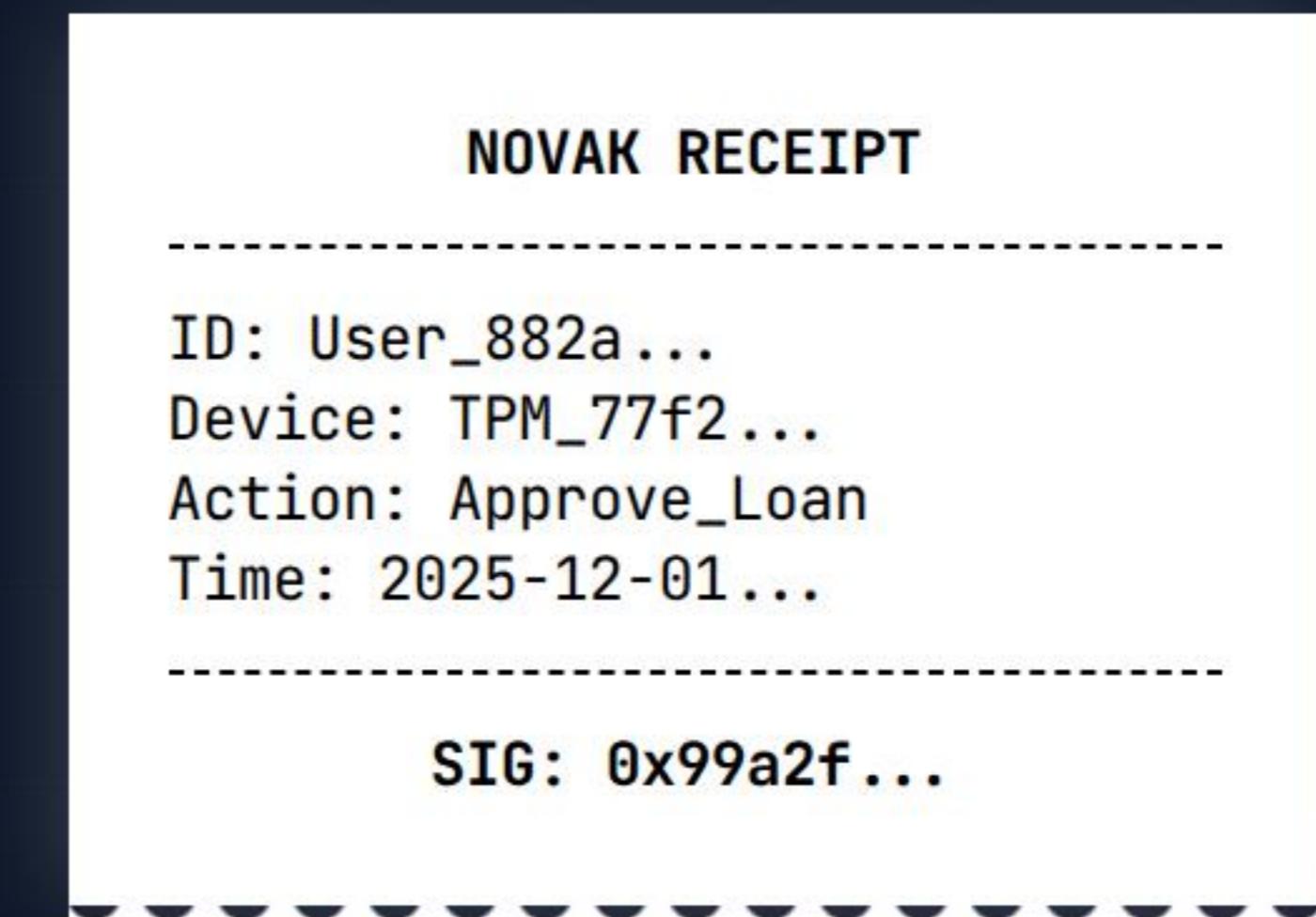
Without a valid Identity Hash (HI), the Safety Gate **blocks** execution. Ghosts cannot act.

# The Artifact: EIR

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L6 produces the **Execution Identity Receipt (EIR)**.

This is the permanent, immutable proof of who did what.



# Summary

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**Identity  
Binding**

## **Accountability**

L6 ensures that every digital action has a permanent, undeniable owner. It eliminates the "It wasn't me" defense.

# Questions?

NOVAK Protocol Standards Series

Law L6: Execution Identity Law