What BoundaryScore™ Adds to Oversight

An independent trust and validation layer—without replacing regulation, standards or enforcement.

1 Why does today's oversight framework need an independent evidence layer?

Existing tools—including self-certification, standards, required reporting, testing and investigation—remain essential. But much of their evidence is periodic, event-driven or generated by the developer. What is missing is an ongoing, independent and comparable record of what a machine physically did and whether that behavior agrees with its reported state.

2 What is BoundaryScore™, and how does it work?

BoundaryScore™ is an independent operational-verification framework. It time-aligns direct measurement of speed, trajectory, braking and stopping with selected machine-reported state and context. Its Motion Validation Envelope™ reconciles those records, while documented methodology preserves traceable evidence supporting defined metrics under specified operating conditions.

3 How does BoundaryScore™ complement—not replace—existing authority?

It does not replace certification, standards, reporting, testing, investigation or enforcement. It validates, contextualizes and supplements the evidence those mechanisms use. Regulators retain their authority; standards bodies retain their role; and BoundaryScore™ does not determine compliance, safety, probable cause or legal fault.

4 What does a real-time trust and validation layer add?

Today's framework largely sees snapshots: a test, a report or an incident. BoundaryScore™ creates an ongoing, real-time operational record that can reveal agreement, discrepancy and change over time. It can surface drift or anomalies earlier and preserve traceable evidence for later review—without requiring continuous regulator surveillance or access to an entire proprietary technology stack.

5 How is verification methodology maintained?

BoundaryScore™ uses documented, version-controlled methodology to verify defined performance metrics against independent motion evidence. Verification requirements, evidence sources, uncertainty and applicability are preserved so results remain traceable, reproducible and auditable.

6 Why is BoundaryScore™ practical to adopt and extend?

The framework is technology-neutral, non-PII and protective of proprietary systems. Direct motion measurement is being developed for compact, low-power and economical integration, without the burden of a second perception stack. The same evidence architecture can extend across vehicles, robots, operating domains, jurisdictions and evolving standards without prescribing how any manufacturer must design its system.