

# The Missing Independent Signal for AV Safety Leaders

Independent operational verification that recognizes demonstrated performance

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AV developers have built rigorous safety, validation and assurance programs, but the market still lacks a common, independently generated way to recognize strong deployed performance across platforms, software versions and operating domains. BoundaryScore™ addresses that gap by comparing independently measured physical motion with selected machine-reported operational data, creating an ongoing, real-time evidentiary record of whether a system's reported state corresponds with what it physically did.

BoundaryScore™ does not determine whether an autonomous system is safe, nor is it a safety report, certification or replacement for a safety case. Its role is narrower: to verify defined aspects of observable operational performance and assess that performance consistently over time. It complements simulation, scenario testing, closed-course and on-road validation, functional-safety processes, standards, TIC services, internal telemetry and post-event analysis rather than attempting to replace them.

Today, Waymo, Aurora, Gatik—or the next company to achieve exceptional operational performance—have no independent equivalent of a FICO score, JD Power rating or Moody's credit rating that allows the market to consistently recognize and compare that performance. BoundaryScore™ is intended to fill that gap by creating a common, third-party market signal through which strong performers can receive credible recognition for demonstrated results. Rather than relying primarily on self-reported metrics or individualized safety disclosures, regulators, insurers, commercial partners and the public would have access to an independently generated assessment based on accumulated operational evidence and a consistent methodology.

Because the methodology is independently governed and applied consistently across providers, the resulting rating can become an ongoing, public-facing trust signal that is resistant to selective reporting or manipulation. High-performing operators benefit from external recognition they can point to; weaker performers face a clearer incentive to improve; and stakeholders gain a more defensible basis for evaluating performance without requiring access to source code, perception models, decision logic or other proprietary elements of the autonomy stack.

We are inviting a small number of autonomous-vehicle safety leaders to a discussion about whether this form of independent operational verification and recognition could add value alongside the safety and assurance systems already in place. The conversation would provide an opportunity to learn more about the technical architecture, assessment methodology, governance model, rating progression and potential use of BoundaryScore™ ratings and labels.