

AAICE Releases Member-Contributed Technical Report on the Convergence of AI Governance Toward Operational Infrastructure

Claviger advances an analytical framework grounded in analysis of governance standards, regulatory instruments, and safety-critical engineering models

AUBURN, AL, UNITED STATES, March 23, 2026 /EINPresswire.com/ -- The Alabama Artificial Intelligence Center of Excellence ([AAICE](#)) today released its inaugural member-contributed [technical report](#), AI Governance as Infrastructure: The Convergence of Standards, Regulation, and Operational Practice Toward an AI Governance Operating System, authored by Steven Jasmin, Executive Chairman and Co-Founder of [Claviger](#), an AI process governance company building operational enforcement infrastructure for high-stakes AI deployment. Claviger is a subsidiary of GIS Quantum Solutions Practice, Inc. (GIS QSP) and the second GIS subsidiary announced since last year with the launch of EntropiQ, a Quantum Entropy as a Service (QEaaS) company. The paper addresses the central unsolved problem in enterprise and government

AI deployment: the absence of governance architecture capable of producing operationally enforceable, evidentiary proof of AI execution compliance under real-world conditions. It is the



first publication in AAICE's technical report series.

"AI governance is one of the defining challenges for every organization deploying these systems at scale, and it sits squarely at the center of what AAICE was built to address. This report contributes to the kind of rigorous, evidence-based discussion that helps Alabama's institutions, government agencies, and private sector partners better understand not just where AI governance is heading, but what it may operationally require of them."

— Andrew Albrecht, Chairman, Alabama Artificial Intelligence Center of Excellence (AAICE)

The paper documents an analytically significant convergence observable across independently developed AI governance standards, regulatory instruments, and operational practices. The analysis characterizes five structural transitions redefining the AI governance landscape: from advisory guidance to executable operational protocols; from broadly stated policies to formally specified procedures with explicit enforcement conditions; from periodic compliance assessments to continuous incident detection and learning loops; from human presence in AI processes to codified human decision authority with structural enforcement; and from post-hoc governance documentation to persistent operational memory generated as a byproduct of governed execution.

Taken together, these transitions describe governance acquiring the properties of infrastructure: hierarchical, modular, protocol-driven, and operationally enforced. The paper frames this as observable convergence, characterizing what governance is acquiring. The analytical methodology employs comparative framework analysis across independently developed governance systems.

The report advances three novel frameworks as conceptual tools for governance analysis and structured assessment:

1. Authority Architecture - A governance primitive synthesized from patterns across safety-critical domains, identifying four structural authority roles: Approve, Invalidate, Override, and Audit. The framework characterizes how human decision authority must be codified to remain enforceable under operational pressure and defines the AI/Human authority boundary as a formal governance design surface.
2. Invalid-State Taxonomy - A classification of governance failure into three actionable categories: drift (incremental deviation from governed states), unauthorized modification (changes bypassing established authority controls), and evidence break (the degradation of the evidentiary chain required to reconstruct, audit, or adjudicate governance decisions). The taxonomy is grounded in systems-theoretic failure analysis and organizational accident research.
3. Governance Maturity Model - A five-level framework (Aspirational through Hardened) assessed through operational evidence rather than documentation completeness. The central question it operationalizes is not "have you adopted a governance framework?" but "do your controls function under operational pressure?" The accompanying Convergence Assessment Framework provides a self-assessment tool mapping five convergence dimensions against five

maturity levels.

“Across every governance framework analyzed, developed independently across different sectors and jurisdictions, the same structural transitions kept emerging: governance systems moving away from advisory guidance toward operationally enforced controls, from periodic compliance cycles toward continuous incident detection, from documented human oversight toward codified human authority. That degree of convergence is not accidental. It reflects the same structural pressures producing the same architectural responses across every domain where AI deployment carries real operational consequence.”

— Steven Jasmin, Executive Chairman & Co-Founder, Claviger / GIS QSP | Board Member, AAICE

The paper draws an analytically significant distinction between model governance — addressing AI system behavior through bias detection, output monitoring, and algorithmic auditing — and process governance, which addresses the decision architecture surrounding AI deployment: authority hierarchies, enforcement mechanisms, incident response architecture, and evidentiary infrastructure. The commercial AI governance market has largely addressed the former; the report argues that process governance infrastructure is what all other governance activities require to function under operational conditions, and that this layer remains, as the paper states, “commercially unaddressed at scale.”

The paper identifies a compression effect in AI governance: comparable structural pressures produce analogous governance architectures on a significantly accelerated timeline, driven by the simultaneous deployment of AI systems across defense, finance, healthcare, and critical infrastructure, often before governance frameworks have reached operational maturity.

The report notes that policy-level governance instruments are inherently vulnerable to political transition, citing the supersession of White House Executive Order 14110 by Executive Order 14179 as concrete evidence of this structural vulnerability: organizations that anchored AI governance programs to federal policy directives found their compliance rationale vacated within a single administration transition. The paper argues that governance built at the operational and infrastructure layer remains enforceable independent of policy-level shifts, and that this durability is the defining requirement for organizations operating under sustained regulatory scrutiny. This observation reinforces the convergence thesis: the architectural properties that governance is acquiring are responses to the structural forces of operational complexity, failure pressure, and deadline-induced bypass that no policy document can neutralize.

“The architectural convergence documented in this whitepaper provides the necessary structural foundation for the next generation of smart cities. In multi-agent frameworks, we treat the city not as a machine to be optimized, but as an epistemic learning system that requires permanent, enforced authority structures to maintain democratic legitimacy. By moving governance from advisory guidance to executable infrastructure, this paper defines the 'Governance Operating System' required to manage complex urban agent interactions. For municipalities, this transition

ensures that decision intelligence remains grounded in codified human authority and persistent operational memory, allowing us to build urban systems that are not only efficient but structurally antifragile.”

— Stephen Dawe, PhD, CIO of the City of Opelika | Board Member, AAICE

The full technical report is available through the AAICE at <https://aaice.net/ai-governance-as-infrastructure/>. For more information on Claviger, go to claviger.ai.

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About AAICE — Alabama Artificial Intelligence Center of Excellence

The Alabama Artificial Intelligence Center of Excellence (AAICE), founded in 2022, serves as a nonprofit 501(c)(3) public-private partnership governed by a board of directors and dedicated to advancing the development, understanding, and responsible adoption of Artificial Intelligence (AI) and Machine Learning (ML). As these technologies continue to reshape industries such as health care, manufacturing, and finance, AAICE works to support innovation, collaboration, and education across Alabama’s technology ecosystem. The organization promotes digital workforce development and educational opportunities designed to expand AI knowledge and technical skills while helping position Alabama to compete in the global technology economy.

About Claviger

Claviger is the AI governance division of GIS Quantum Solutions Practice, Inc. (GIS QSP), a U.S. cyber defense contractor specializing in quantum-safe security and cryptographic infrastructure for government, defense, and critical infrastructure. Its technology implements process governance infrastructure — authority architecture, enforcement mechanisms, and evidentiary systems — derived from FIPS-validated, hardware-rooted cryptographic infrastructure with demonstrated deployment in defense and intelligence environments.

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