Executive Summary Prepared December 19, 2025

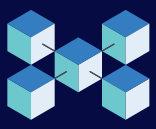
GBBC GSMI 6.0

AI CONVERGENCE

KEY TAKEAWAYS

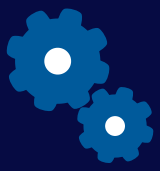
BLOCKCHAIN FOR AI GOVERNANCE

AI has moved rapidly into production across organizations, creating major benefits but also expanding risks. Blockchain can provide assurance for AI, focusing on transparency, privacy, security, and reliability, ultimately paving the way toward open source and decentralized AI that is trustworthy



THE BENEFITS

Blockchain enables verifiable provenance, event-level audit, and machine-readable attestations that make AI systems more trustworthy without exposing sensitive data. Rather than relying on hype around decentralized or open-source AI, the report outlines a tangible path toward verifiable AI today.



WHY ASSURANCE IS NEEDED NOW

AI adoption has outpaced governance, leaving leaders unable to answer core questions about inputs, inference, reliability, and accountability. At the same time, standards and regulatory frameworks like ISO/IEC 42001, NIST AI RMF, and the EU AI Act are elevating expectations for documentation and verification

Realistic for Today
Blockchain for transparent, private, secure & reliable AI

→

Ideal for the Future
Blockchain for trustworthy Open-Source & Decentralized AI

OPEN & DECENTRALIZED AI: THE IDEAL

These approaches promise greater transparency, reproducibility, participation, privacy, and resilience. This potentially improves explainability and accountability.

But they do not yet exist at scale, and face challenges such as data poisoning, incomplete transparency, and fragmented governance.

THE PATH FORWARD

The report recommends building assurance into today's AI by using blockchain to anchor:

- Provenance of data, weights, and training runs
- Auditability of system behavior
- Accountability across model evolution

This creates a realistic pathway toward more open, decentralized, and trustworthy AI systems.

AI SELF-ASSESSMENT CHECKLIST

Companies, organizations, and individuals an assess the trustworthiness of their AI use with a standard questionnaire provided in the report

- ☑ Data Provenance
- ☑ AI Functions
- ☑ Security & Privacy
- ☑ Human Oversight
- ☑ Governance & Accountability
- ☑ Other Considerations

ACCESS THE FULL REPORT

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