

Lithosphere Strengthens LEP100 Standards for Autonomous Agent Workflows

The AI-native Layer 1 blockchain platform advances LEP100 standards to support verifiable execution, coordination, and interoperability across autonomous Web4 workflows.



London, United Kingdom Aug 20, 2026 ([Issuewire.com](https://www.issuewire.com)) - [Lithosphere](https://lithosphere.network) has strengthened its LEP100 standards to provide a more structured framework for autonomous agent workflows across its AI-native Layer 1 ecosystem. The advancement reinforces the platform's focus on verifiable execution and standardized coordination as intelligent applications increasingly operate across decentralized environments.

LEP100 provides standards that help define how autonomous systems execute and coordinate activity within the Lithosphere ecosystem. Integrated with Lithic AI-native execution, PPAL persistent identity, DNNs decentralized naming, MultX cross-chain coordination, and LITHO utility, the framework connects agent workflows with the infrastructure required for consistent decentralized operations.

The strengthened standards provide developers with clearer infrastructure for applications where autonomous agents must interact with smart contracts, decentralized services, and other intelligent systems. By supporting standardized execution and verification, Lithosphere aims to reduce fragmentation as agent-driven applications scale across connected blockchain networks.

The development builds on Lithosphere's continued infrastructure expansion following its Pre-TGE, strengthening the technical foundation for autonomous applications. LEP100 complements the platform's execution, identity, discovery, and interoperability layers while supporting more coordinated

Web4 activity.

[J. King Kasr](#), Chief Scientist at KaJ Labs, noted that standardized execution becomes increasingly important as autonomous agents take on more complex decentralized workflows. According to Kasr, LEP100 provides a framework for connecting verifiable agent activity with the broader infrastructure required for scalable Web4 coordination.

About

Lithosphere is an AI-native Layer 1 blockchain platform developed by KaJ Labs to support intelligent decentralized infrastructure. Through Lithic, PPAL, DNNS, MultX, LEP100, and LITHO, the platform delivers scalable execution, persistent identity, cross-chain interoperability, and autonomous coordination for Web4 ecosystems.

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