EDITORIAL ANALYSIS / 25 NOVEMBER 2026

Hacken report · pp. 2–7, 50–56

Bitcoin Hyper validator audit Summary and conclusion

Hacken marked all nine security findings in the validator software as fixed in its final report dated 24 November 2026.

What Hacken examined

The assessment covered giga-svm, the software Bitcoin Hyper validators use to process transactions, produce blocks during their assigned turns and check blocks produced by other validators. It is a fork of Agave v1.18.21. Earlier assessments of the token contract addressed a different component.

What the investigators found

The nine findings comprised **three critical, four high and two low**. The critical findings concerned signature verification, a request-handling error that could stop a validator, and security and stability fixes from the upstream projects that had not been incorporated into the fork. Some high-severity findings affected whether valid transactions would reach a block before expiring.

Hacken identifies the code revisions associated with the fixes. It also marked two separate informational observations as fixed. They covered automated tests and the pacing of the Proof of History clock. They are additional to the nine security findings.

What remains to be checked at launch

Network configuration. Hacken did not receive the final genesis configuration or the planned set of authorised validators. The number of validators and the distribution of voting stake affect the ability to keep confirming blocks when nodes go offline or disagree.

Performance and maintenance. The 32-millisecond slot is a design target. Release benchmarks on the intended hardware and network topology had not established the actual timing. The fork uses an Agave branch that is no longer maintained upstream and will require ongoing backports.

Components outside scope. The bridge, Bitcoin anchoring, block explorer and wallet were outside the audited repository.

> EDITORIAL CONCLUSION
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> The evidence supports a positive assessment of the remediation work on the validator software. Hacken documented serious defects and identified fixes for each finding. Assessing the live network requires matching the deployed software to those revisions, examining voting-stake distribution and measuring performance under the actual launch configuration. The excluded components require their own assessments.

Source: Hacken, *Blockchain Protocol Review and Security Analysis Report for Bitcoin Hyper*, final report, 24 November 2026. Read the original English report.