Quantum eMotion Secures NIST IUT Listing for SecureKey Cryptographic Module, Advancing Trusted Data Security and FIPS Validation

written by Raj Shah | July 16, 2026

July 16, 2026 (Source) – Quantum eMotion Corp. (NYSE American: QNC) (TSXV: QNC) (FSE: 34Q0) ("QeM" or the "Company") is pleased to announce that its flagship Quantum Emotion SecureKey Cryptographic Module has been officially designated as "Implementation Under Test" (IUT) by the National Institute of Standards and Technology (NIST).

The module is now publicly listed on the NIST Cryptographic Module Validation Program (CMVP) registry, representing an important step in the Company's FIPS 140-3 validation journey. In partnership with Intertek Laboratories, the Company is advancing through the CMVP adjudication process and expects the module to progress to the "Modules In Process" list within approximately three to four months. The IUT listing is now publicly available at the link below:

https://csrc.nist.gov/projects/cryptographic-module-validation-program/modules-in-process/iut-list

Role and Technical Importance

The SecureKey Cryptographic Module serves as the foundational trust root for enterprise data protection. By entering the formal NIST validation pipeline, the technology establishes:

- An independently validated cryptographic root of trust for applications and infrastructure.
- A pathway toward deployment in regulated sectors requiring FIPS 140-3 certified cryptographic modules.
- A secure foundation for key generation, storage, protection, and cryptographic operations across enterprise and embedded environments.

Leadership Perspective

“Securing the NIST IUT listing represents a definitive breakthrough in our commercialization roadmap,” said Jason Thomas, Director of Product Development at Quantum Emotion Corp. “Our team is moving rapidly alongside Intertek to finalize the Vendor Evidence documentation. This listing validates the architecture of the SecureKey module and moves us closer to achieving full FIPS compliance, ensuring our clients can deploy independently validated, standards-based cryptographic security solutions.

“The SecureKey IUT designation marks an important advancement in QeM’s mission to deliver trusted cryptographic foundations for the next generation of digital infrastructure. Combined with our QRNG and post-quantum technologies, SecureKey further strengthens our position as a provider of advanced cybersecurity solutions for regulated and mission-critical environments,” said Francis Bellido, Chief Executive Officer of Quantum eMotion Corp.

About Quantum eMotion Corp.

The Company aims to address the growing demand for affordable hardware and software security for connected devices. QeM develops advanced cryptographic and cybersecurity technologies, including quantum random number generation, post-quantum cryptography, and runtime protection solutions for enterprise and embedded environments.

The Company intends to target highly valued Financial Services, Healthcare, Blockchain Applications, Cloud-Based IT Security Infrastructure, Classified Government Networks and Communication Systems, Secure Device Keying (IOT, Automotive, Consumer Electronics) and Quantum Cryptography.

For further information, please visit our website at https://www.quantumemotion.com/ or contact:

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