



Congress of the United States
House of Representatives
Washington, DC 20515–3217

July 29, 2026

The Honorable Paul Aktins
Chairman
US Securities and Exchange Commission
100 F Street, NE
Washington, DC 20549

Dear Chairman Atkins:

The rapid advancement of quantum technologies is poised to become a defining force across the American economy. More than 300 firms worldwide are already integrating quantum capabilities into commercial operations, and the pace of development continues to accelerate.¹ As these tools mature, they have the potential to have significant implications for the competitiveness, resilience, and integrity of our markets.

For decades, the strength of America’s financial system has rested on regulatory frameworks that anticipate technological change while preserving space for responsible innovation. Quantum computing, quantum sensing, and quantum communications represent a generational shift, with the potential to reshape financial market infrastructure, operational continuity, and investor protection.

As quantum capabilities continue to advance, existing cryptographic safeguards that secure trading, clearing, settlement, and the protection of sensitive investor data may face material risk. At the same time, quantum-enabled analytics could offer powerful new opportunities to enhance risk modeling, strengthen fraud detection, and improve market surveillance. This dual reality—emerging vulnerabilities alongside transformative potential—underscores the need for early, structured engagement between regulators and market participants.

Considering these developments, I respectfully request information on the Securities and Exchange Commission (“SEC”) current assessment of quantum technology and its implications for the financial system.

Specifically:

- How is the SEC evaluating the potential emerging threats that advances in quantum computing may pose to cryptographic systems that underpin trading, clearing, settlement, and investor-data protection?

¹ <https://www.mckinsey.com/featured-insights/the-rise-of-quantum-computing>

- What regulatory updates or guidance does the SEC anticipate may be necessary to support a secure transition to post-quantum security across market infrastructure?
- How is the SEC assessing the potential for quantum-enabled tools to strengthen compliance, market surveillance, and operational resilience?
- Does the SEC plan to convene public roundtables or other structured engagements to gather industry, academia, and standards-body input on quantum-related risks and opportunities?

I appreciate the SEC's attention to these emerging issues and its continued commitment to safeguarding the stability and integrity of our markets. A clear understanding of the SEC's current approach will help inform Congress as it evaluates the evolving role of quantum technologies and the potential impact on financial markets.

Thank you for your consideration. I look forward to your response and to continued collaboration.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Lawler", with a stylized, cursive script.

Michael V. Lawler
Member of Congress