

# Europol Report Outlines Transition to Post-Quantum Cryptography for Financial Institutions

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## News

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On 21 January 2026, Europol and its partners [published](#) a joint report entitled "Prioritising Post-Quantum Cryptography Migration Activities in Financial Services". The report offers financial institutions a structured, risk-based approach to preparing for the transition to post-quantum cryptography (PQC). This involves using encryption methods that are designed to remain secure even against attacks from quantum computers. As advances in quantum computing are expected to compromise the long-term security of current encryption standards, financial institutions should start preparing for these future risks by transitioning to more secure cryptographic methods. They should plan the shift to quantum-safe security, determining priorities based on system vulnerability (quantum risk) and the time required for upgrades (migration time). This information can then be used to prioritise actions and implement changes step by step.

According to the [report](#), a critical first step is to identify all business use cases that rely on public key cryptography. This inventory enables the development of a prioritised transition roadmap, with the quantum risk of each use case being assessed based on three parameters:

- "Shelf life of protected data", which refers to how long the data remains sensitive;
- "Exposure", which indicates the extent to which data is accessible to potential attackers;
- "Severity", which reflects the business impact of a potential compromise.

When the quantum risk is assessed, organisations can prioritise actions based on the migration time of each use case, i.e., the complexity and timeline required to achieve quantum safety for a particular use case. The report explains how to assess risk using a Quantum Risk Score, set up a Migration Time Score, and determine migration priorities. It also provides example use cases to demonstrate the methodology and warns against cryptographic antipatterns in cybersecurity. These are commonly used but flawed practices that can increase vulnerabilities, operational risk, and long-term technical debt, particularly in financial institutions. Identifying and addressing them early on can strengthen security, improve cryptographic maturity, and support faster and more flexible migration to future-ready systems.

The report concludes that the transition to quantum-safe cryptography is not merely a technical upgrade. It is a strategic imperative that demands foresight, coordination, and disciplined execution across the entire ecosystem, and is necessary for businesses to position themselves as leaders in secure digital innovation for the quantum era.

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