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Finnish Transport and Communications Agency



Cyber Security Landscape and Future Threats

Dr. Anssi Kärkkäinen

Director-General

National Cyber Security Centre Finland

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[Threats to national security](#)

Threat of terrorism

Threats to national security are continually evolving

Threats to national security are also changing with the digitalisation of society and technological progress. The critical services of contemporary society increasingly rely on infrastructure in space. The dual use of developing technologies, export control issues and protecting domestic R&D are emerging themes.

International Scammers Steal Over \$1 Trillion in 12 Months in Global State of Scams Report 2024

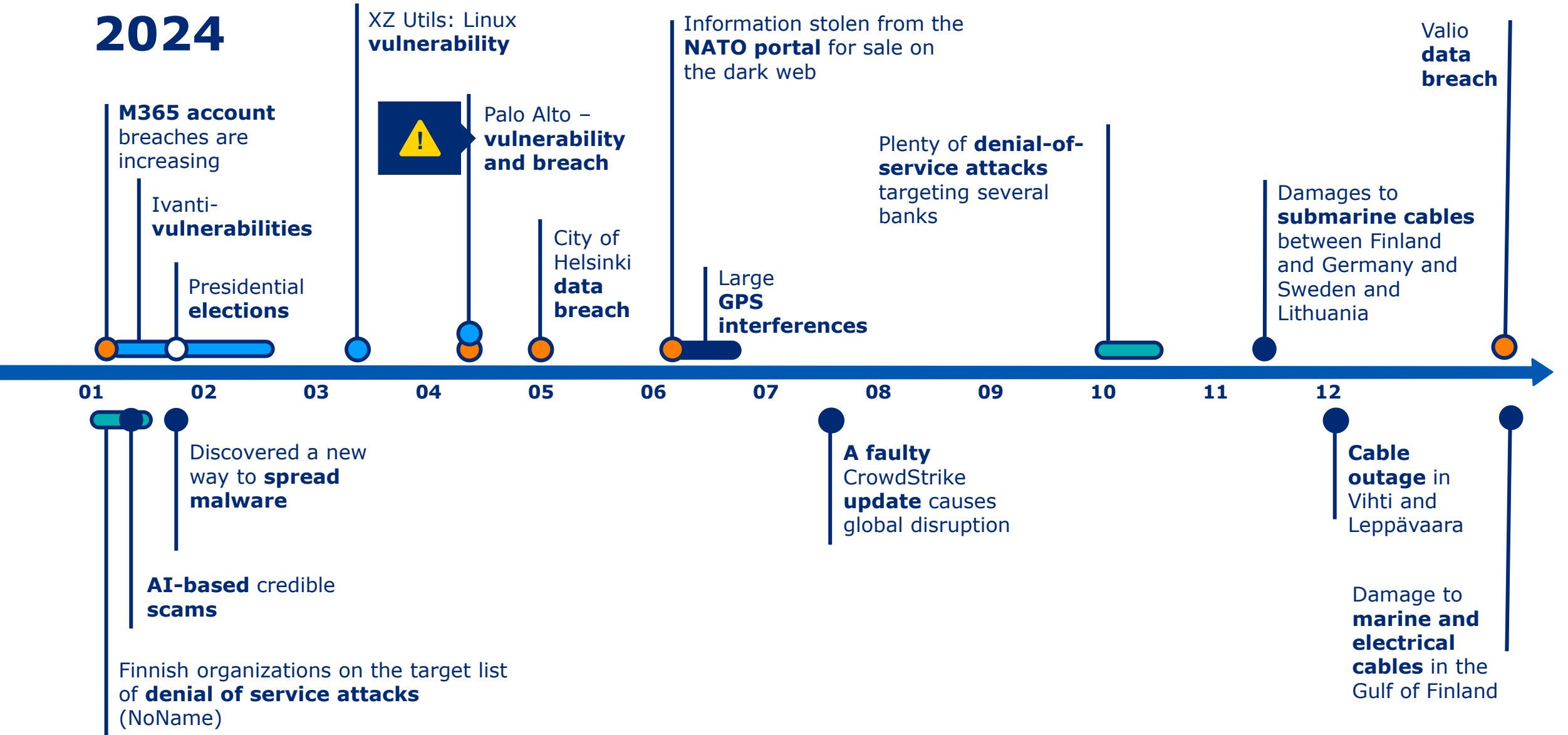


**They Are Robbing
The Whole World!
Estimated \$1.03
Trillion Stolen by
International
Scammers**

with Sam Rogers

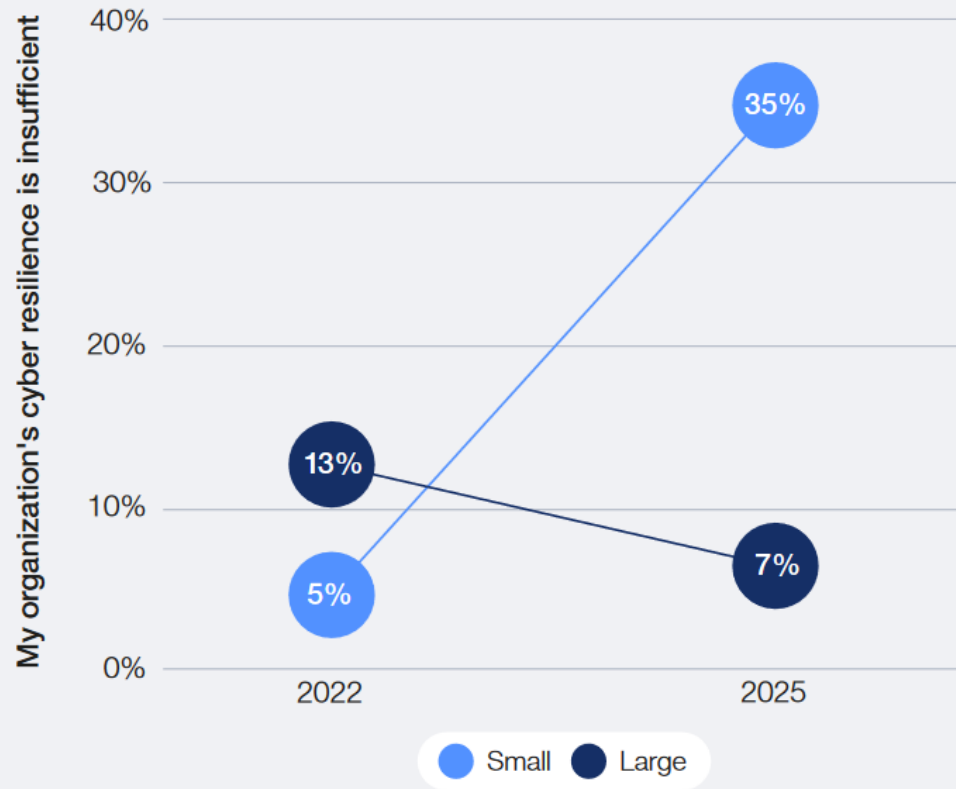


2024



Cyber Resilience Brings Challenges

Smaller organizations are struggling to ensure cyber resilience, while larger organizations show steady progress



71% of cyber leaders at the Annual Meeting on Cybersecurity 2024 believe that small organizations have already reached a critical tipping point where they can no longer adequately secure themselves against the growing complexity of cyber risks

Source: World Economic Forum



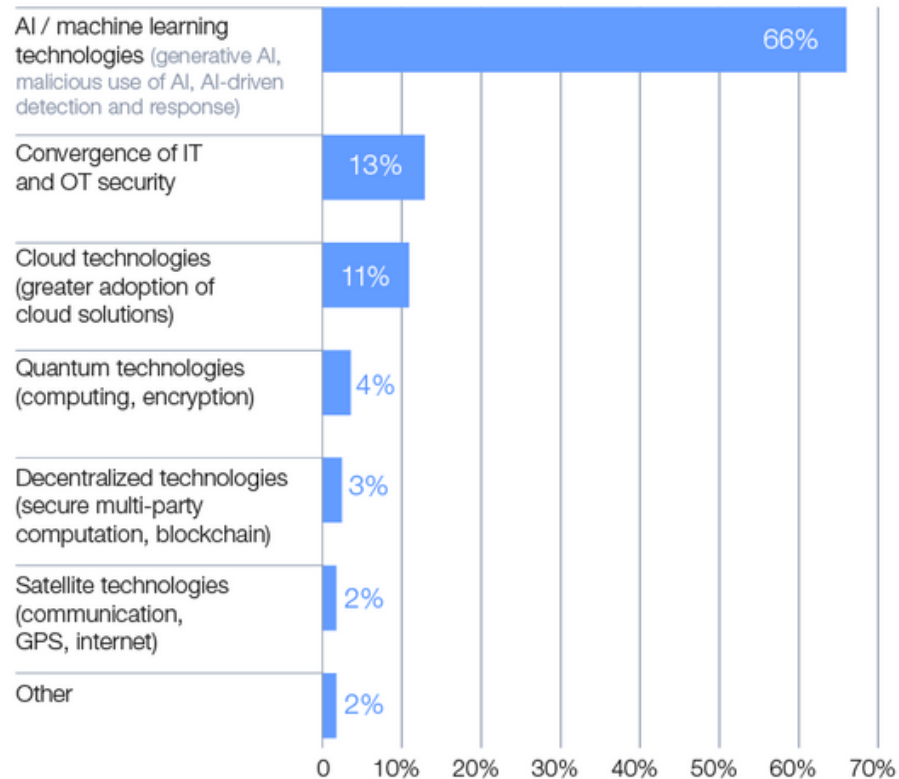
Growing Complexity in Cyberspace



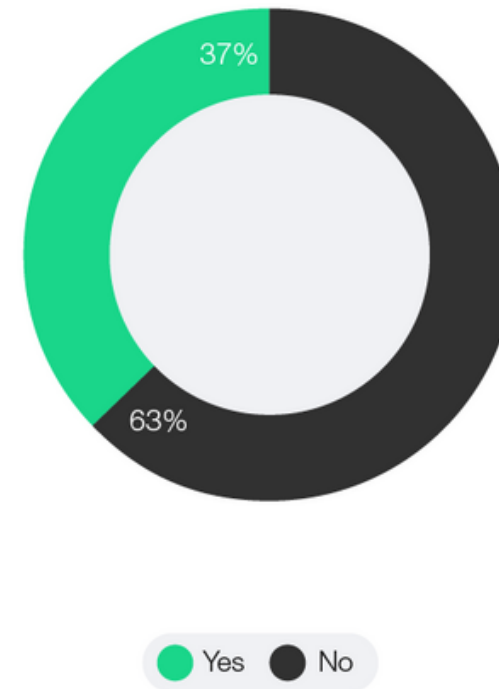
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Short Term Challenges

In your view, which of the following will most significantly affect cybersecurity in the next 12 months?



Does your organization have a process in place to assess the security of AI tools before deploying them?



Source: World Economic Forum

Top 5 threats in the near future (6 – 24 months)

1.

Serious vulnerabilities are being exploited faster and faster

In addition to installing an update to fix the vulnerability, it is often necessary to investigate whether the vulnerability has already been exploited.

2.

Ransomware - A significant threat to organizations

During the last year, several organizations in Finland have fallen victim to ransomware, and their number is constantly increasing globally.

3.

Security of supply and service chains are increasingly critical

Understanding the subcontractor chain is vital to the organization's own cyber security. The majority of organizations are more or less dependent on outsourced digital services.

4.

Organizations should be prepared for the challenges brought by artificial intelligence.

It would be good for organizations to recognize the challenges brought by artificial intelligence, and prepare for them, for example by training their personnel.

5.

Protecting the telecommunications infrastructure is critical

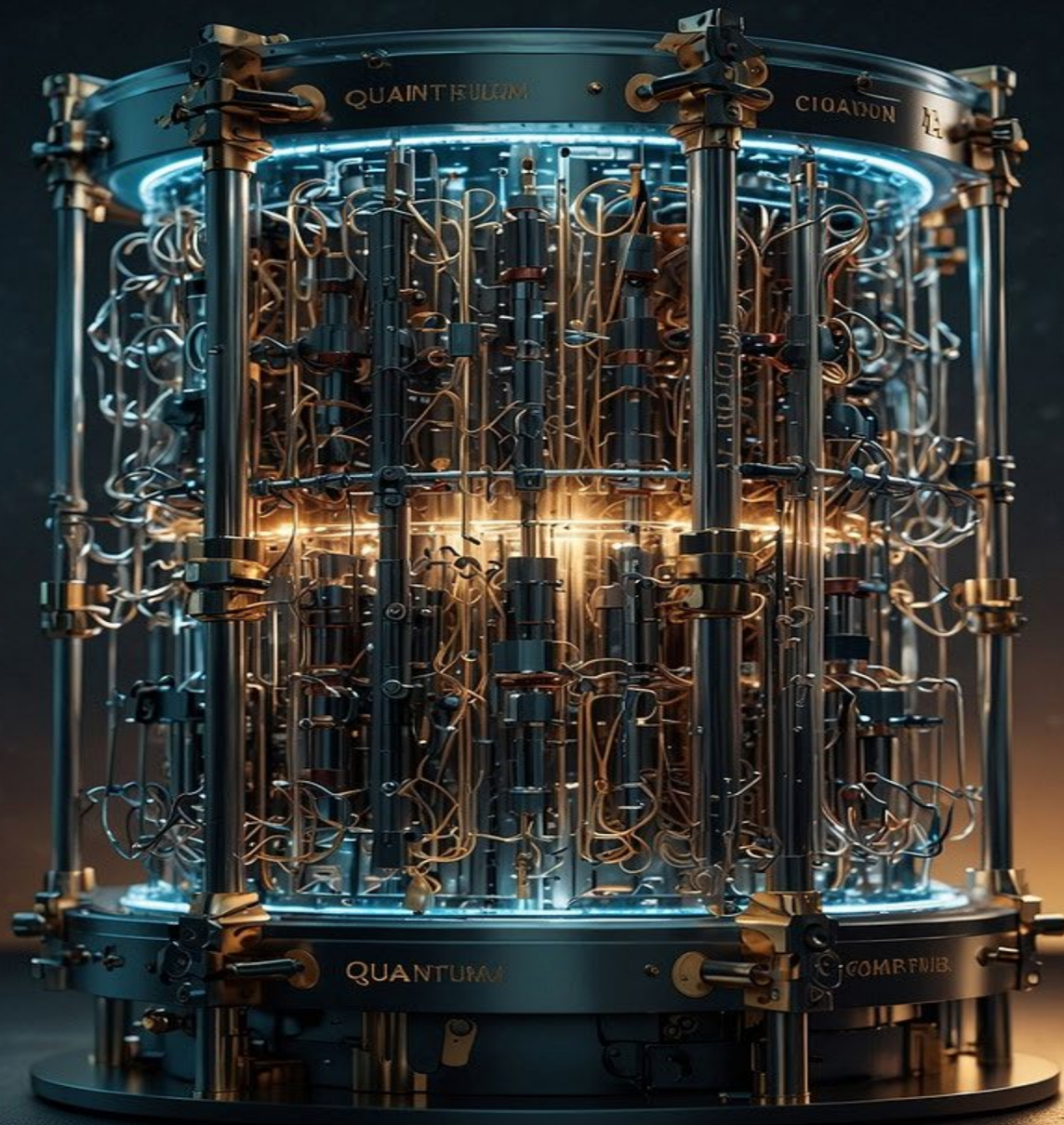
It is important to protect the telecommunications and information system infrastructure nationally and internationally against both disturbances caused by outsiders and natural failures.

AI Generated

deepfake.civai.org



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Questions?

Thank You!

anssi.karkkainen@traficom.fi

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