TM @ SSCM - 2023

ASIA PKI CONSORTIUM

8 May 2023

INTERNAL REORGANISATION UPDATE

INTERNAL REORG

Internal Reorganisation effective **1st March 2023**

TM Group's telecommunication business in Malaysia shall be operated by its wholly owned and single operating entity, i.e., TM Technology Services Sdn Bhd ("TM Tech")

Pursuant to the above:

A. **Telekom Applied Business Sdn Bhd** will cease to be a party to the Agreement and **TM Tech** will become a party to the Agreement in place of the Company;

B. TM Tech will take over the responsibilities of all the obligations and/or payments due to you by the Companies under the Agreement (if any) and TM Tech will ensure that all obligations owed to you are met and attended to in accordance with the terms and conditions of the Agreement; and

C. All the obligations and/or payments owed by you to the Companies under or inconnection with the Agreement will be owed to TM Tech instead.

1 Mar 2023

Subject: Announcement: Day 1 of TM Group's Internal Reorganisation

Dear Valued TM One Partners,

We are pleased to inform that we have reached a significant milestone where on 21 February 2023, the High Court has granted an order pursuant to the Act ("Vesting Order"), as announced on Bursa Malaysia. Following the granting of the Vesting Order, we wish to confirm that the Internal Reorganisation shall now take effect on the Vesting Date ("Day 1") of 1 March 2023.

With this, TM Group's telecommunication business in Malaysia shall be operated by its wholly owned and single operating entity, i.e., TM Technology Services Sdn Bhd ("TM Tech") (formerly known as Webe Digital Sdn. Bhd.). This exercise marks the next phase of TM Group's transformation to be the enabler of Digital Malaysia, and to further improve our operational efficiencies, streamline processes and simplify customer touchpoints to provide a more seamless customer experience.

Under TM Tech, consumers will continue to enjoy the fastest and widest all-in-one connectivity and digital content. Enterprises and the public sector will also benefit from our digital and smart solutions, including cloud and data centres, cybersecurity and smart industry offerings. The operating entity will also continue to champion our nation-building efforts in expanding and modernising the country's fibre network, data centres and submarine cable systems.

Pursuant to the above and effective on the Vesting Date, we wish to reiterate that the following (amongst others) will occur:

A. Telekom Malaysia Berhad, VADS Berhad, VADS Lyfe Sdn Bhd and Telekom Applied Business Sdn Bhd ("Companies") will cease to be a party to the Agreement and TM Tech will become a party to the Agreement in place of the Company;

B. TM Tech will take over the responsibilities of all the obligations and/or payments due to you by the Companies under the Agreement (if any) and TM Tech will ensure that all obligations owed to you are met and attended to in accordance with the terms and conditions of the Agreement; and

C. All the obligations and/or payments owed by you to the Companies under or in connection with the Agreement will be owed to TM Tech instead.

I would like to take this opportunity to thank you for your immense support during the transition leading up to Day 1. We are confident that this exercise will enable us to serve you better and deliver your needs more quickly.

Thank you for your continued support.

Warm Regards,

ISMAIL HASSAN
Head Partnership & Procurement
TM One

TM Technology Services Sdn. Bhd.
(Formerly known as Webe Digital Sdn. Bhd.)
Level 28, TM Annexe 2, Jalan Pantai Jaya, 59200 Kuala Lumpur

TRANSITIONING TOWARDS POST QUANTUM CRYPTOGRAPHY

TM ONE

Shor's Algorithm

Shor's algorithm

$$T|\phi\rangle \propto \sum_{j=0}^{M/r-1} T|jr\rangle = \sum_{j=0}^{M/r-1}\sum_{k=0}^{M-1} e^{2\pi i \frac{jrk}{M}}|k\rangle$$

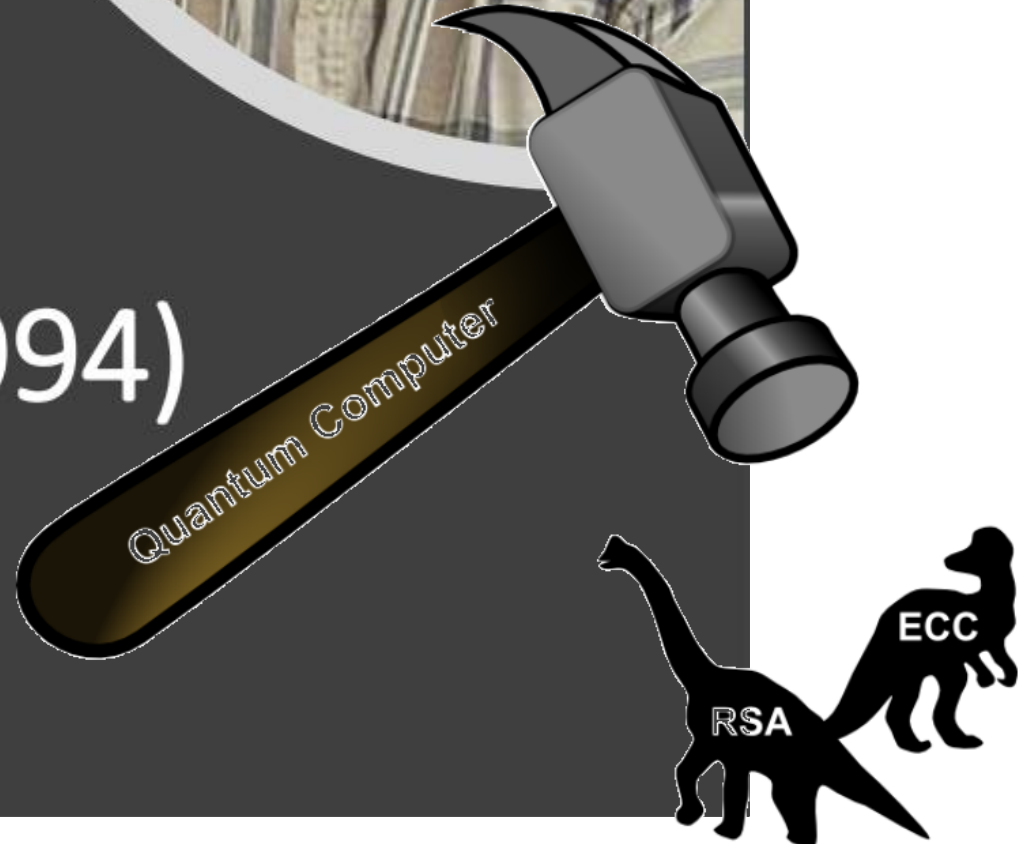$$= \sum_{k=0}^{M-1}(\sum_{j=0}^{M/r-1} e^{2\pi i \frac{jrk}{M}})|k\rangle = \sum_{k=0}^{M-1} f(k)|k\rangle$$

Here f(k) can be easily calculated

$$f(k) = \sum_{j=0}^{M/r-1} e^{2\pi i\, jkr/M} = \begin{cases} \frac{1-e^{2\pi ik}}{1-e^{2\pi ikr/M}}=0, & kr/M \\ M/r, & kr/\Lambda \end{cases}$$
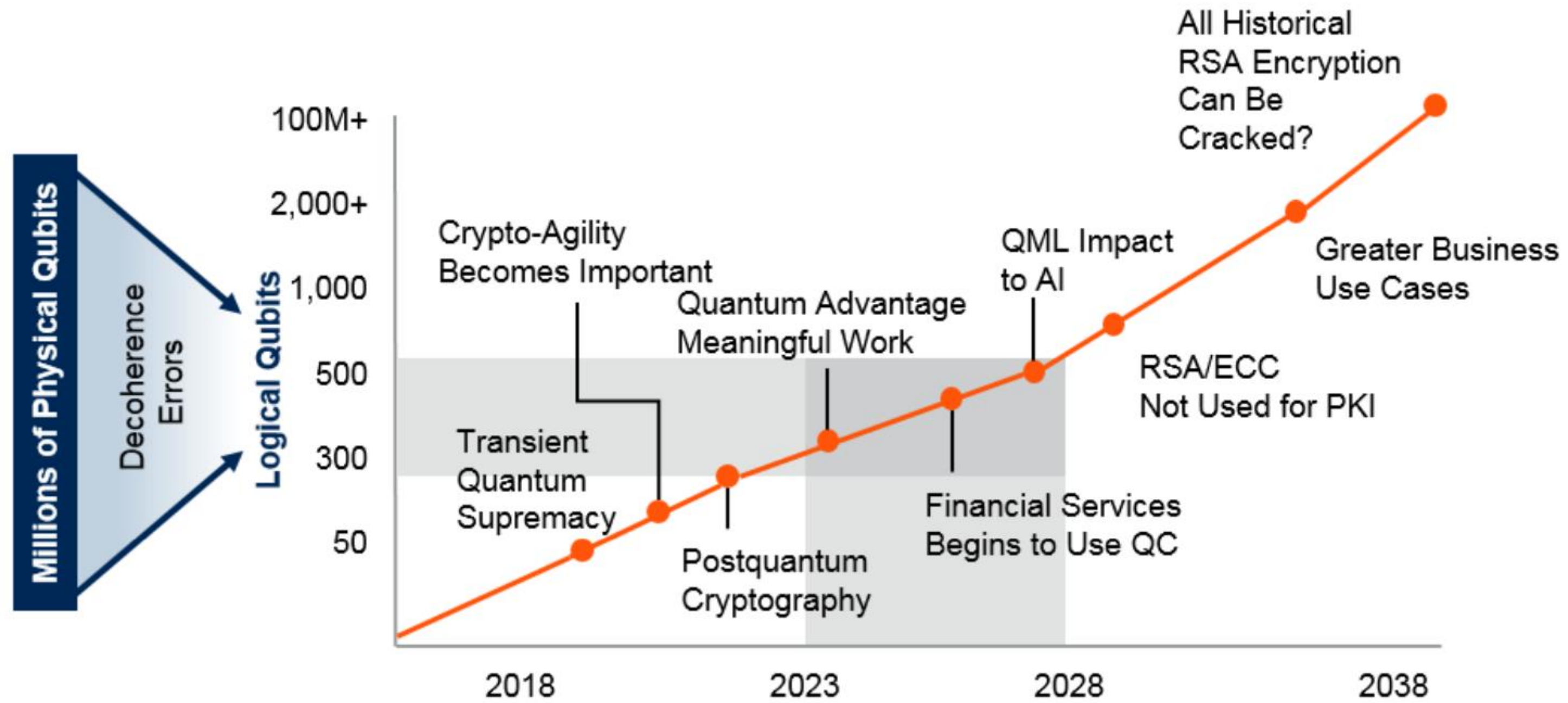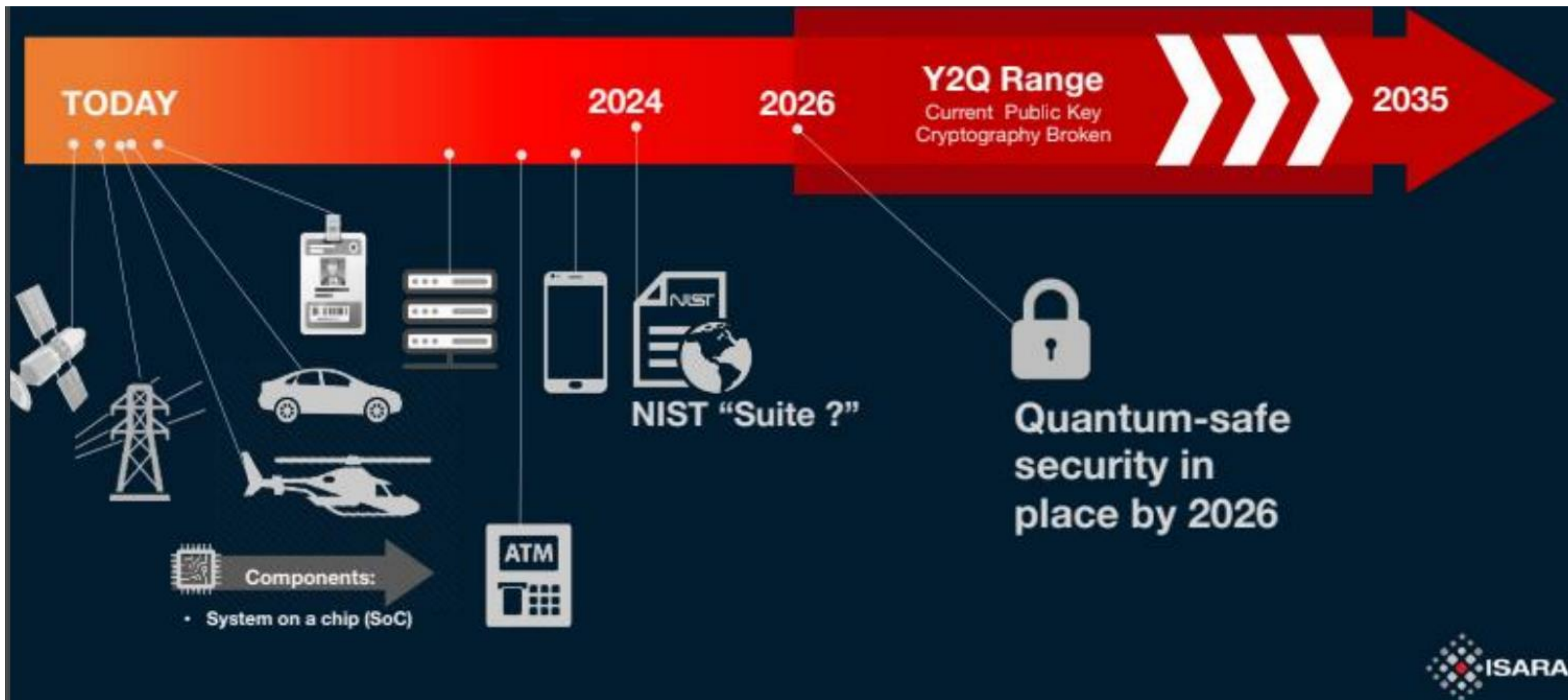
simplicity, we have assumed M/r i

Shor's Algorithm (1994)

Quantum Computer

ECC

RSA

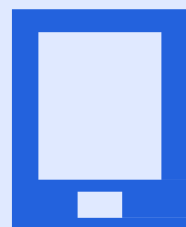# Qubit Timeline Estimates

Who Should Prepare Now

STEPS TOWARDS POST QUANTUM CRYPTOGRAPHY

Working Group. Actively participate in Post Quantum Cryptography related working groups, forums and task force.

Awareness. Educate the public, businesses, and government on the necessity of Post-Quantum Cryptography in securing our digital world.

Readiness. Prepare for transitioning towards Post Quantum Cryptography .

Working Group. Actively participate in Post Quantum Cryptography related working groups, forums and task force.

Awareness. Educate the public, businesses, and government on the necessity of Post-Quantum Cryptography in securing our digital world.

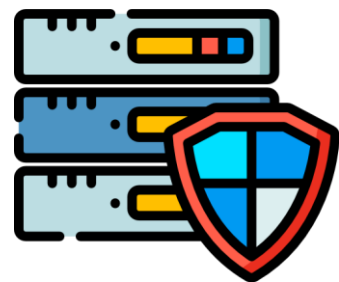**Readiness**. Prepare for transitioning towards Post Quantum Cryptography .

TMCA + PQC

- Proof of concept
- Research with higher education institutions
- Usecases research and testing with industry players

THANK YOU

HELLO I'M
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