

Post-Quantum

Cryptography Conference

Unlocking the Quantum-Resilient Cryptography Strategy for the Dutch central government

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Ministry of the Interior and
Kingdom Relations



Quantum secure Cryptography

Support program of the Dutch Central Government



Germain van der Velden



Anita Wehmann

Agenda

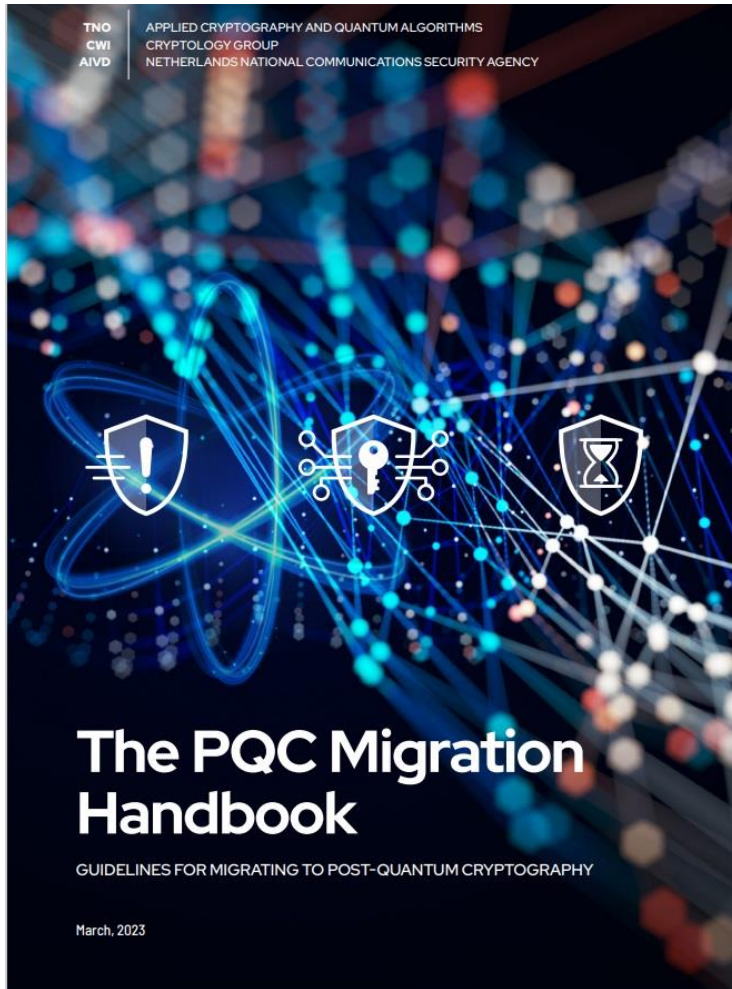


Introduction

Program for Quantum secure Cryptography

- Purpose
- Steering model
- Roadmap





The PQC Migration Handbook | Publication | AIVD

URGENT ADOPTERS SHOULD START NOW

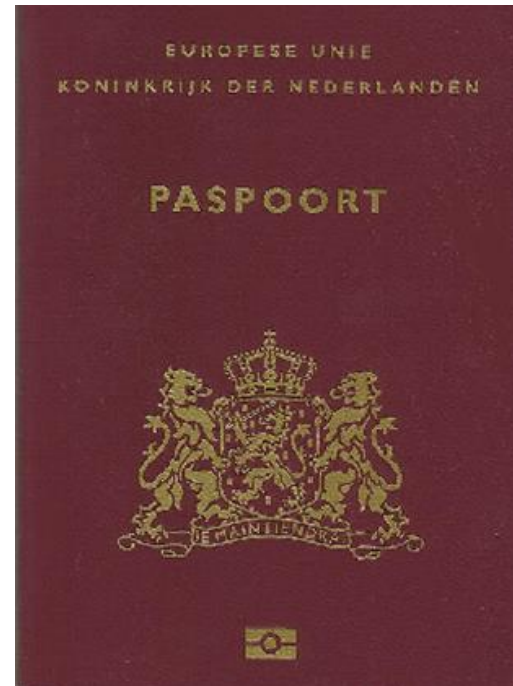
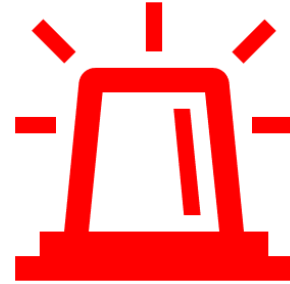
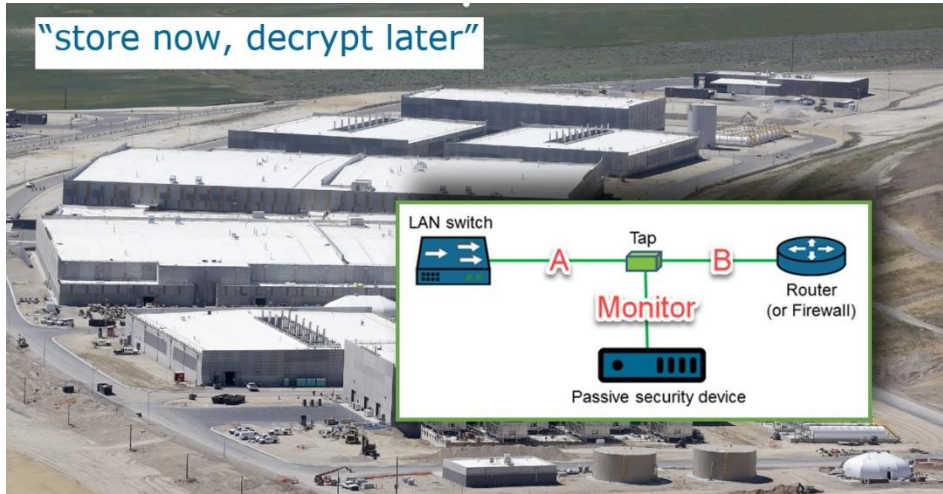
- > Sensitive information with a long confidentiality span (“store now decrypt later”)
- > Personal Data with a long confidentiality span: passports
- > Provide systems of critical infrastructure: payment transactions, energy, transportation
- > Provide systems which are built to have a long life-span: water management, chemical industry, drinking water, railroads

Conclusion: Central Dutch government is an urgent adopter

The impact of



broken cryptography





Quantum secure Cryptography Dutch Central Government (QsC Gov)



Purpose:

The Dutch Central Government aims to control the risks of quantum technology on cryptography in time

QsC Gov supports and stimulates through:



Creating awareness, knowledge and communication in collaboration with science and research and stimulating its exchange for all target audiences within the Dutch Central Government



Creating adequate policy, frameworks and guidelines to support the Dutch ministries in their responsibility



Offering guidance and a centre of expertise in order to facilitate and support (the preparation) of secure and timely mitigation of these risks



STEERING BOARD (ROADMAP DIGITAL RESILIENCE)

- part of I-strategy Dutch Central Government (CIO's)

PROGRAM MANAGER & CENTRAL TEAM

- Program Members
- various ministries/ government organisations

ADVISORY BOARD

- External: Science and research
- Internal: CTO's CISO en CIO

WORK GROUP AND CENTRE OF EXPERTISE

- From different parts of the central government
- Ministries and its various departments
- Internal IT-service providers and auditors/supervisors
- collaboration public-private-research


Steering

implementation

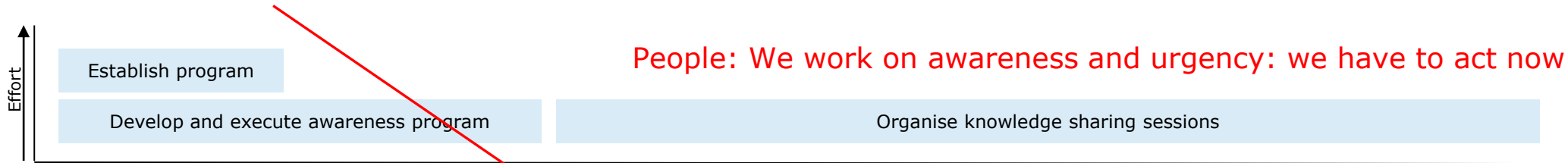


Roadmap Quantum secure Cryptography Gov

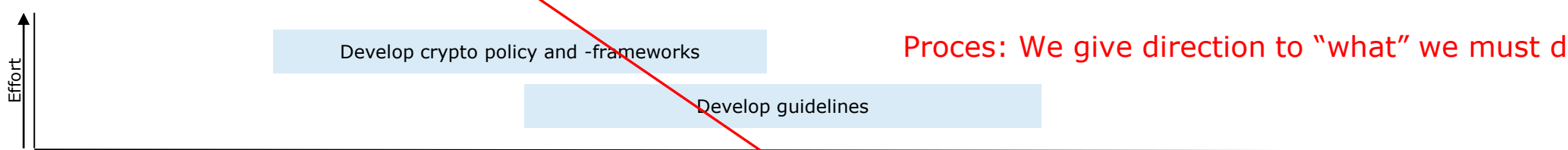

readiness

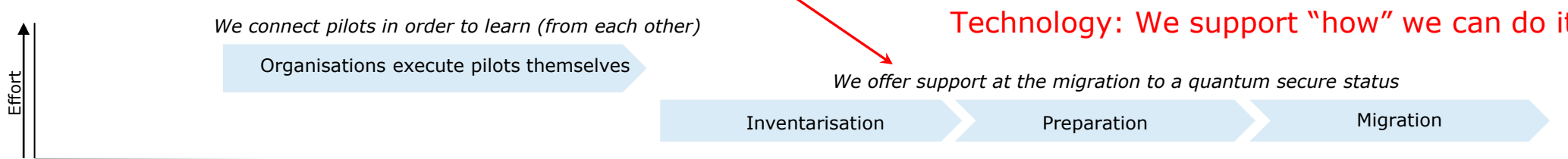
Awareness, knowl. & comm.





Policy, guidelines & international

Supporting migration



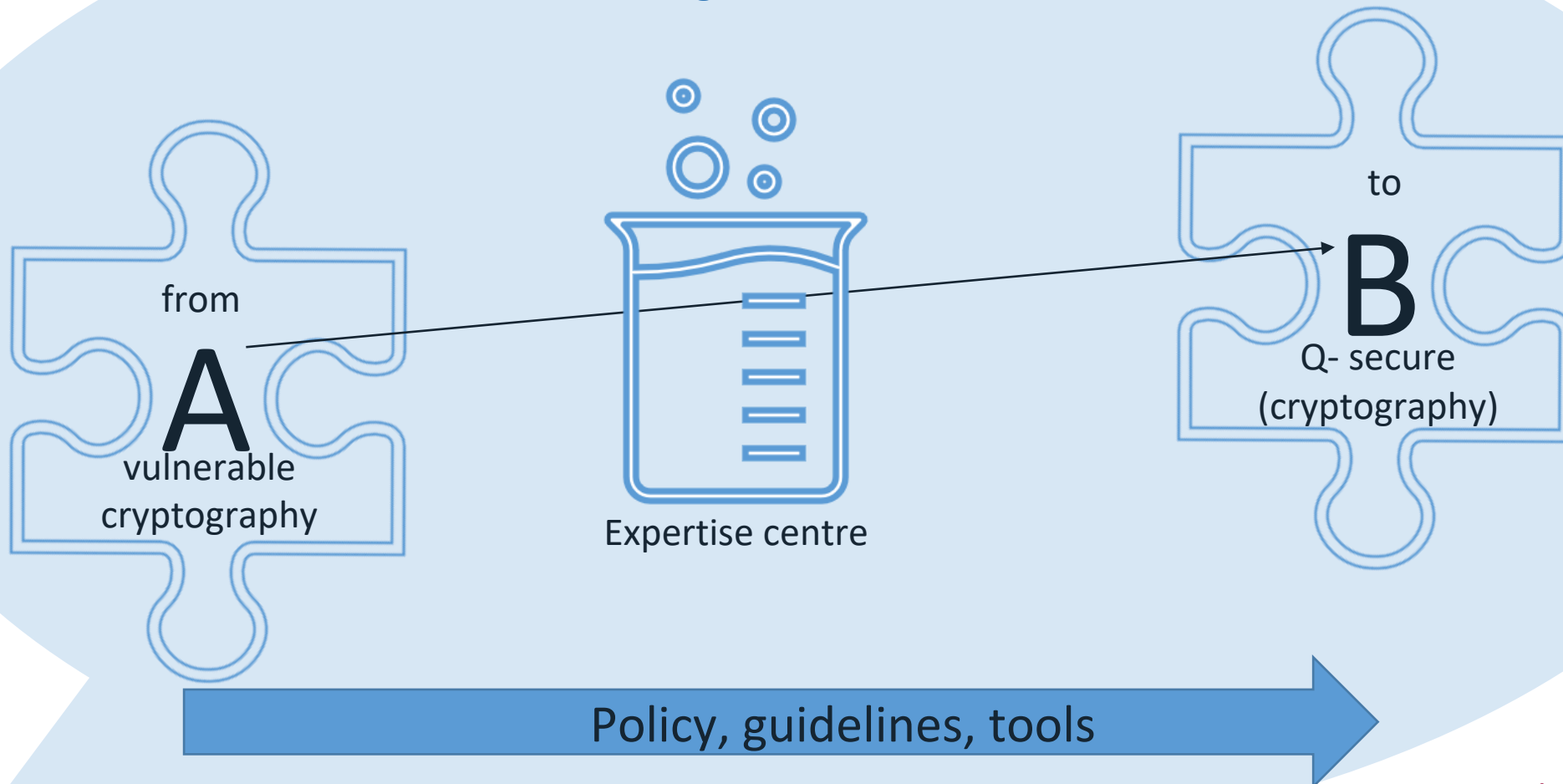
 Because of the high rate of uncertainty (f.i. speed of quantum tech. developments) the roadmap will be updated frequently.



QsC Gov

simple model

Awareness, knowledge and communication



Join our interactive session tomorrow



Questions?

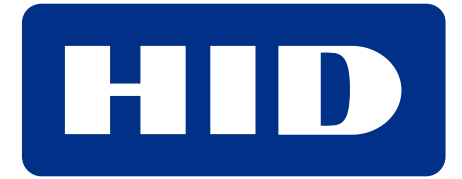


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PKI
Consortium



KEYFACTOR



THALES



amsterdam
convention
bureau

