Towards mutual responsibility

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IMAGINE IF...
The unfortunate reality is that, for at least the coming five to ten years, **the offensive cyber capabilities of our most capable potential adversaries are likely to far exceed the United States’ ability to defend and adequately strengthen the resilience of its critical infrastructures.**

-- USA Defense Science Board Taskforce on Cyber Deterrence Final Report, February 2017
2. MOVE FROM SECURITY TO RISK

Cyber incident likelihood

- Vulnerabilities
- Threats
  - Disgruntled customers
  - Human error
  - Supply chain
  - Partner action
  - Insider action
  - Hactivism
  - Crime
  - Sabotage
  - Corporate Espionage
  - Terrorism
  - State Action
  - Force Majeure

People & Culture

Processes & Organisation

Technology & Infrastructure

Cyber incident impact

- At risk
  - Tangible assets
    - Economic
    - Financial
    - Physical
    - Production systems
    - Infrastructure
  - Intangible assets
    - Reputation & Trust
    - IP
    - Legal & Compliance
  - Greater good
    - Community safety
    - Life and health
    - Civil liberties
    - Privacy & Identity
- Loss of...
  - Confidentiality
  - Integrity
  - Availability

for information and services
3. FOCUS ON TRUST

Confidentiality

Will you be there when I need you?

Can I trust you to look after my information? Can I trust you to respect my privacy? Can you secure Intellectual Property? Can the regulator trust you?

Integrity

Can I trust you to keep my identity information as mine? Is the information you provide accurate? Can I trust you to preserve my information well?

Availability

Can I trust you to be there when I need you?

Confidentiality

Can I trust you to preserve my information well?
4. UNDERSTAND THE POTENTIAL SOLUTIONS

PROBLEM → ANALYZE → SOLUTION!
5. UNDERSTAND WHO OWNS THE RISKS

Tangible assets
- Economic
- Financial
- Physical
- Production systems
- Infrastructure

Intangible assets
- Reputation & Trust
- IP
- Legal & Compliance

Greater good
- Community safety
- Life and health
- Civil liberties
- Privacy & Identity
The key to sustainable success is a networked approach and mutual responsibility.

Problems are shared, solutions are co-designed, jointly developed and fully embedded for lasting success.

"[Internet crime] is truly one of the biggest asymmetric threats we face today. Not only can it be accomplished by a lone actor anywhere in the world, the blurred lines of attribution between criminal, commercial, and state make this a genuinely wicked problem. ... Technology presents challenges to governments like almost never before. It is a realm that we cannot simply legislate or regulate to control - we must work with the industry who have their hands on the levers"

-- AFP Commissioner Andrew Colvin, The Press Club, 31 May 2017