



STANDARDS
Australia

Building cyber resilience through agile regulation – *standards as enablers*

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today

- Changing 'threat-scape'
- Implications for industry 4.0
- Responses: public and private
- Models for more agile regulation
- Questions

Growing threat-scape...

- **Who?** Criminal gangs, state-sponsored actors, State actors themselves
- **What?** IP and personal information (specific sectors targeted, and vectors)
- **How?** 'insertion, blocking, malware, destruction'*



Implications for industry 4.0?

- Pronounced and far-reaching
- ‘Copy and paste’, based on IP theft (all levels)
- Undermines defence industrial base, endangers critical sectors of national economies

“On an average week of the year, one week of business disruption reduces corporate turnover by 2%. Given that the 110 largest German companies had margins of just 6.3%, **three weeks of disruption is sufficient to erase the annual profit margin** and shareholder dividends for a typical, publicly traded German company.”*

Responses

1. **Company commitments**
2. Use of **recognised international standards** by governments and companies
1. Proposed **govt. regulatory interventions** – EU, Australia and others – with a broader scope than previously



Examples of different, mutually reinforcing, approaches

Charter of Trust

**Internal
approaches and
practices**

**ISO/IEC 27001
adoption (cloud)**

ISO 31000

Agile regulation requires leveraging good practice....

1. Identify relevant recognised international standards (i.e. ISO, IEC)

- *Information security – ISO/IEC 27001*
- *Protective security – ISO 22340*
- *Physical security – e.g. AS/NZS 3845.2:2017 Road Safety Barrier Systems and Devices*
- *Risk Management – ISO 31000*

2. Use these Standards as the baseline

- Governments and private companies can embed these through: well tailored regulatory and policy requirements, and contractual means.

3. Elevate these through wording in free trade agreements



The arc of innovation has reached an inflection point: technological change now threatens to overwhelm us. Discovery is unstoppable, but it must be shaped for good. We ourselves—not just market forces—must manage it.”

—Ash Carter, Former US Defence Secretary

The logo for Standards Australia features a stylized yellow and white graphic element resembling a curved shape or a stylized 'S' with overlapping circles. The text 'STANDARDS Australia' is positioned to the left of this graphic.

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Questions... |



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