Security Conference

How to reconciliate international standards and regional policy making on cybersecurity?

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Internal

Agenda

1. Schneider Electric: who are we ?
2. Regionalization of cybersecurity policy trend
    - *Focus on cybersecurity policy in Europe, US & Asia.*
        - *Use case: Cyber resilience act (EU)*
    - *Role of international organization*
    - *US IOT labelling scheme: how to reconciliate regional policies and international standards.*
3. International standards
    - *How to optimize international standards in the regionalization of cybersecurity policies.*
        - *Composition/similarity and reusability of evidence and/or certification*
        - *Avoid multiple certification : bottlenecks in conformity assessment bodies, delays to entry to market & costs*
        - *Enables companies to be more competitive on the global market*
4. Key take aways

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Schneider Electric
Who are we ?

Schneider Electric provides energy and automation digital solutions for efficiency and sustainability

Key figures for 2022

5% of revenues devoted to R&D

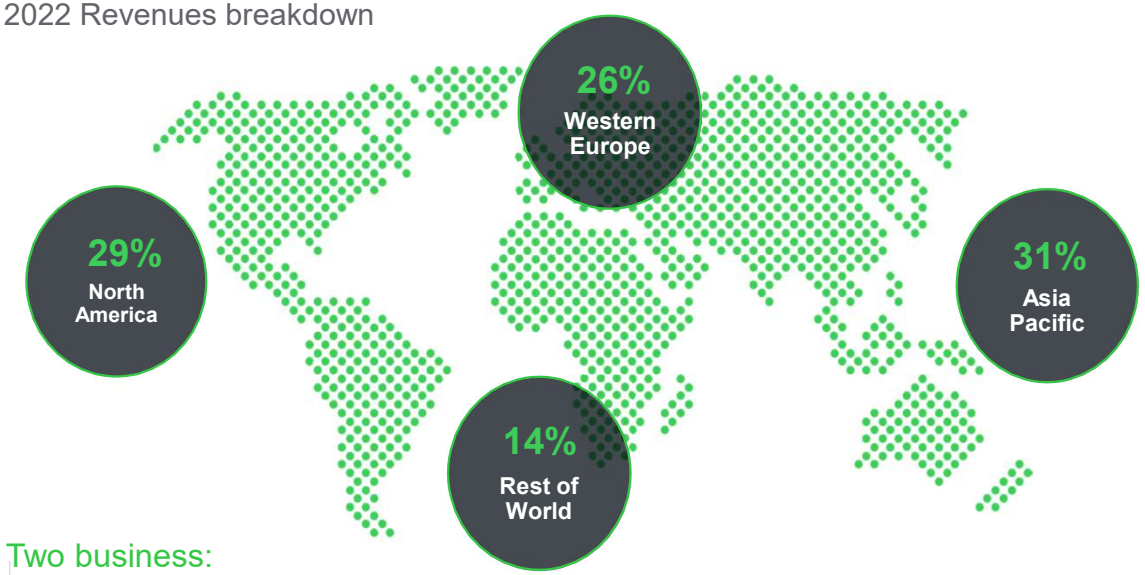
€34,1 billion
2022 revenues

43%
of revenues in new economies

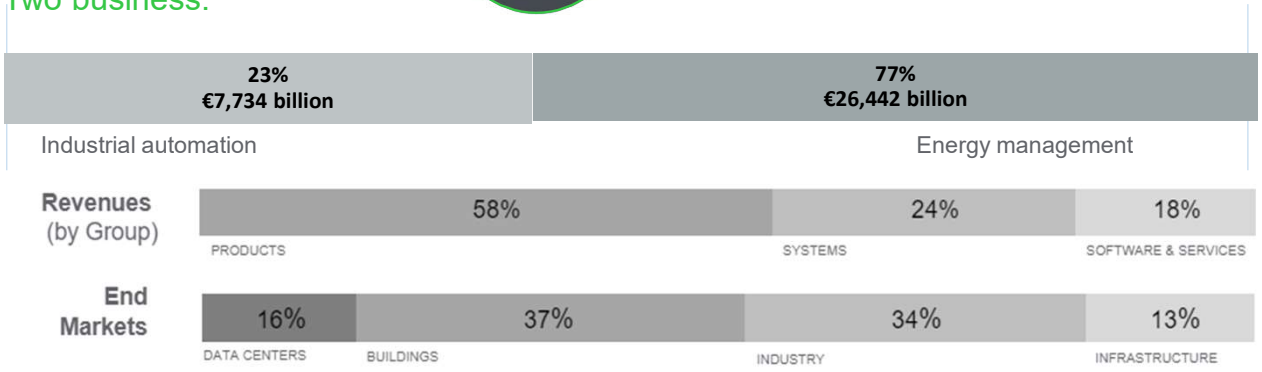
128,000+
Employees in over 100 countries

A well-balanced global presence

2022 Revenues breakdown



Two business:



How we scale cyber at the level of the company?

Cybersecurity & Product Security,
reporting to Governance

Thought Leadership & Trust

Governance & Technology

- Strategy & Governance
- Technology & Innovation
- Training & Awareness
- Digital Policy & Standards

Strategic initiatives

- Installed Base Security
- Supply Chain Security

Defense & Exposure Management

- Cyber Defense
- Vulnerability Management

Regional CISOs

- Europe, Middle-East & Africa
- Asia & Pacific
- Americas
- China

Product, Service, Software and Digital security

- Product Security EM
- Product Security IA
- EcoStruxure Platform Security
- Digital Offers Security
- Customer Experience
- Front Offices Security
- Industrial Security
- Projects, Services Operations
- Finance Operations Risk
- HR Operations Risk
- Engineering Security
- Source Code Security
- Data Security
- Artificial Intelligence Risk
- IT Security
- Digital Certification
- Prosumers

Indirect reports

Direct reports

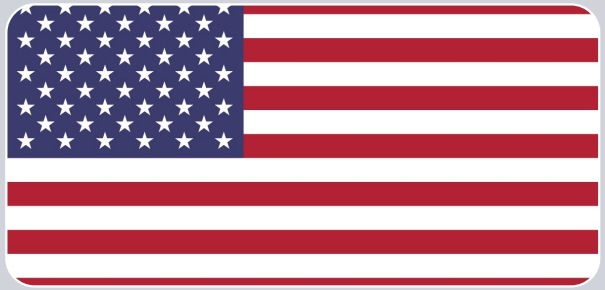
Regionalization of cybersecurity policy

A key trend for global companies

“**Fragmentation** is a natural **inhibitor** for **adoption**”

Regionalization of cybersecurity policies: a key trend.

As cybersecurity threats hightens, more and more nations are providing for their own security



US

- US California Connected Device Law
- IOT Cybersecurity Improvement Act
  - NIST Mandate
- Executive Order 14028 Improving the Nation's Cybersecurity
- US Cyber Trust Mark voluntary consumer IoT label

Europe

- NIS 2 directive
- Cyber Resilience Act
- Cybersecurity Certification Schemes
  - Cloud providers (EUCS)

Limited reference to international standards

Asia

- Singapore
  - Cybersecurity Code of Practice (current version is CCoP 2.0), issued pursuant to the Cybersecurity Act 2018
- Australia
  - Critical Infrastructure Risk Management Program Rules (CIRMP Rules)
    - in line with international standards like the various ISO/IEC standards

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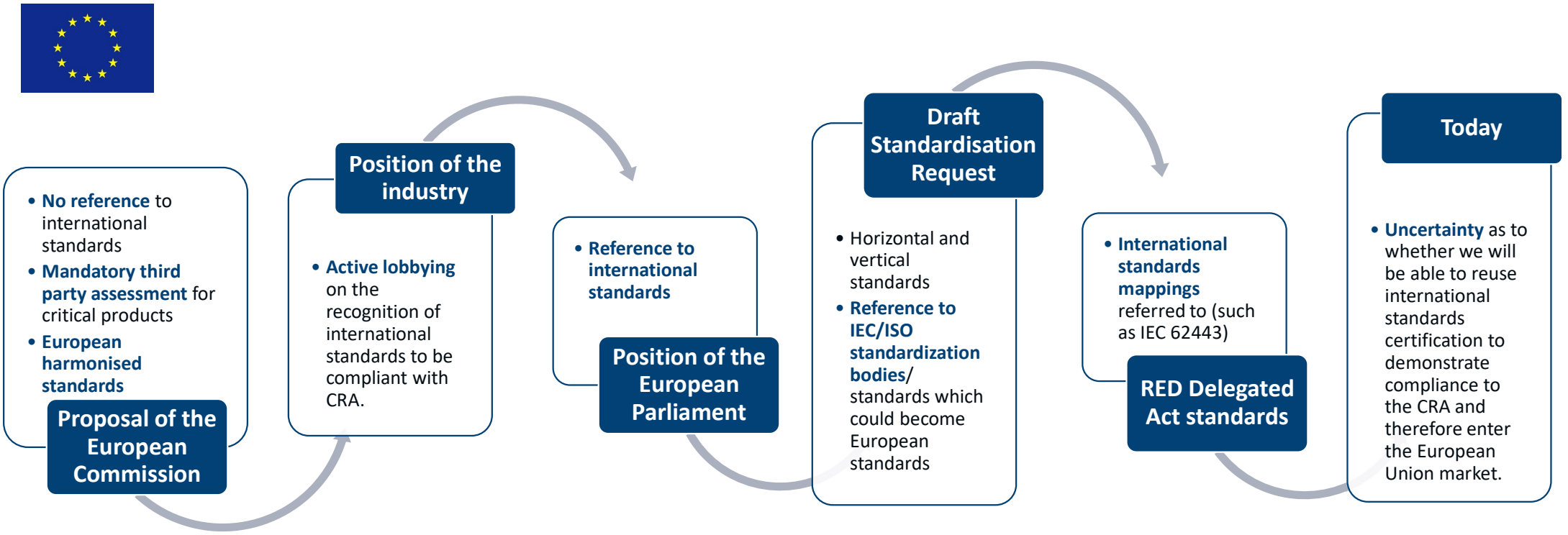
Focus on the Cyber Resilience Act.

A regional cybersecurity policy dismissing international standards



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Bringing back the cybersecurity discussion in the global arena.

Putting cybersecurity back on top of the agenda of international organizations.

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WORLD ECONOMIC FORUM

OECD

International standards on cybersecurity

How can they support regional regulations ?

International standards in regional cybersecurity policy: key for efficient implementation.

1. Crucial to ensure **global competitiveness and innovation** of industries.
2. To **avoid Notified Bodies bottlenecks and delays** to enter the regional market.
3. To **harmonize requirements** and **enable mutual recognition agreements** for cybersecurity.
4. To **avoid leaving small and medium entreprises behind** (and therefore sever innovation).
5. To **mitigate the costs of compliance** and therefore the costs of products.

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Focus on the role of international standards in the CRA (EU)

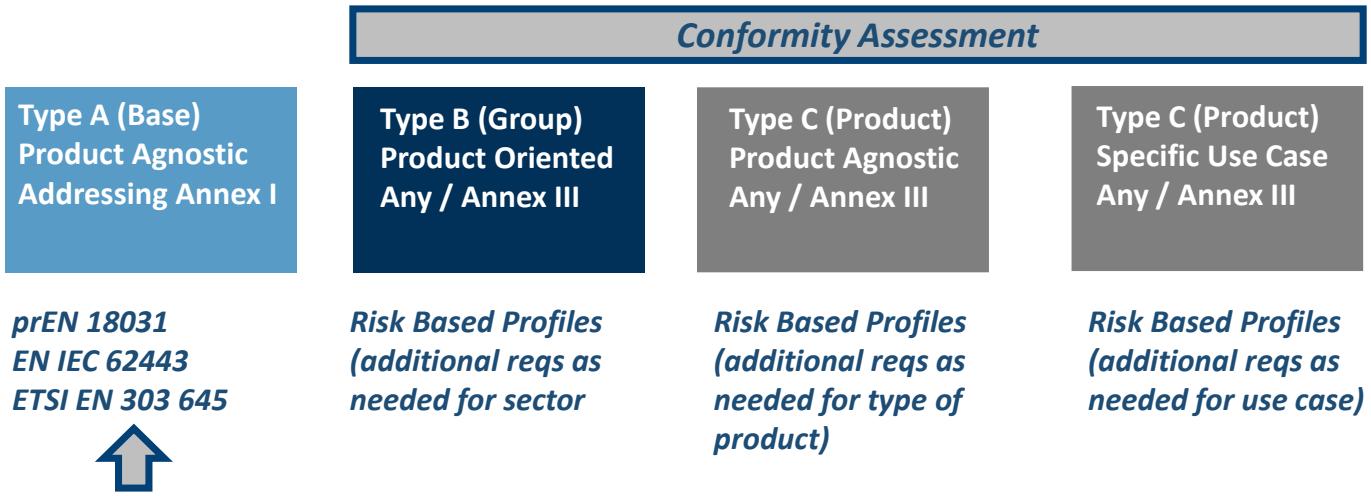
International Standards as a solution to match the ambitious timeline and the scope of the CRA.

→ **Reuse existing** mature international **standards**.

→ **Reuse confomity assessments**, **certifications** and **evidences**.

→ **Role of CEN-CENELEC** to base harmonized standards on international standards.

→ Have a mapping referred to directly in the harmonized standard.



Steps to get from a threat modelling and context (e.g.: considering the sectorial risk assessment and security environment) towards the selection of the security measures (type A):
" In particular, wherever relevant, the standards developed under this section should include specifications on secure software development".

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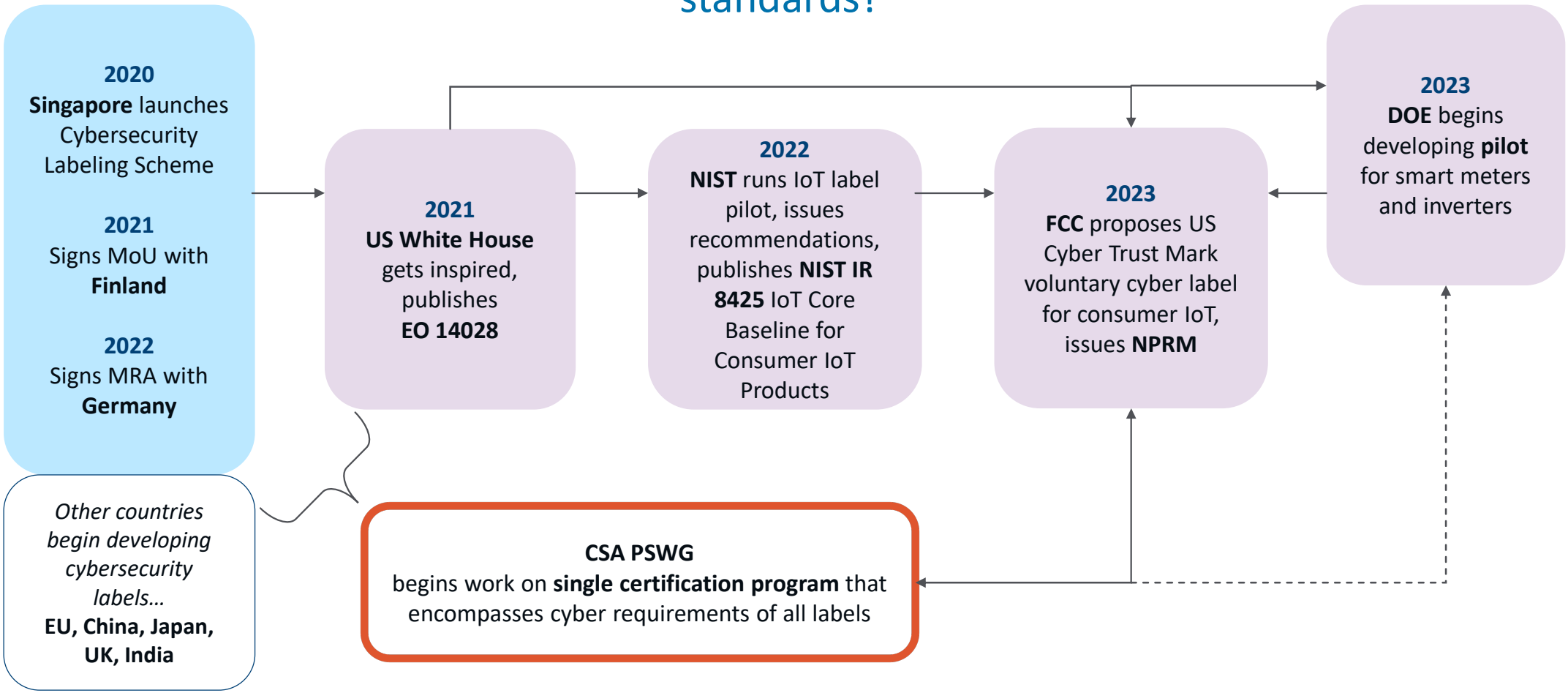
Focus on US IoT Label: how to reconciliate regional policy and international standards?



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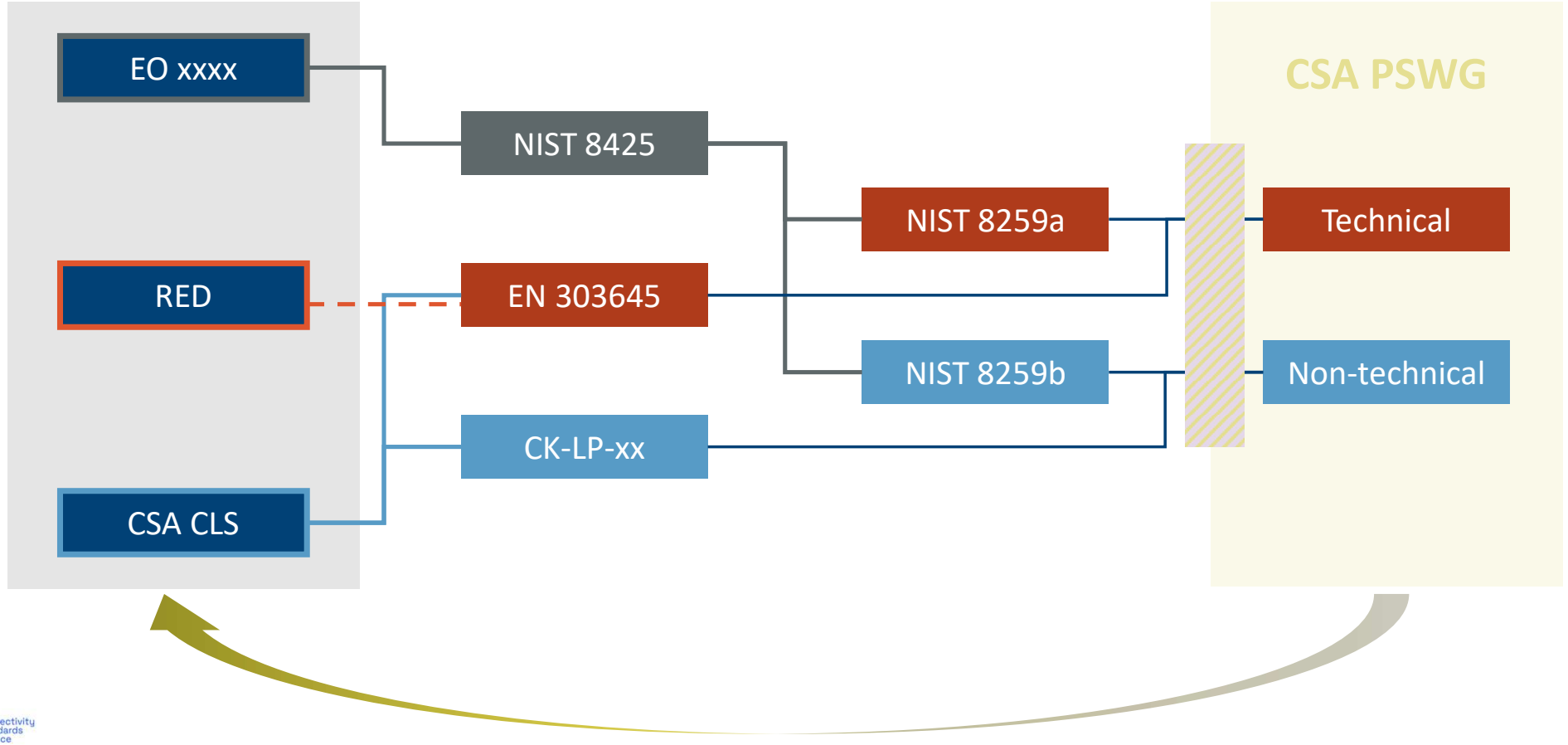
Baseline



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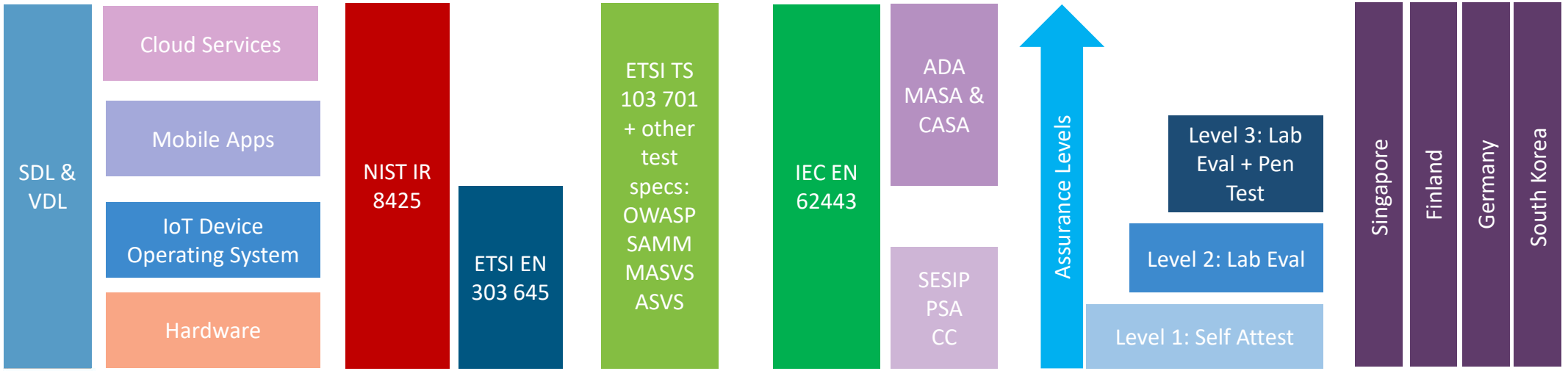
CSA – PSWG Scheme Composition & Inheritance

Optimizing the use of existing international standards and certification programs

PSWG Target of Evaluation ⇨ **Baseline Standards** ⇨ **PSWG Test Specs** ⇨ **Conformance & Composition Recognition** ⇨ **Assurance Levels** ⇨ **Mutual Recognition**



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Conclusion

Regionalization of cybersecurity policy should go hand in hand with international standards.

The recognition of international standards by regional cybersecurity policy will strengthen cybersecurity overall.