National Culture and the ISO 27001 Development, based on the Information Security Guidelines

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May 16th, 2016
Information Security Management Standards

• International ISO 27001
  – Market assurance (Legal requirements)
  – IT governance (Customer demand)

• Motivation
  – National IS guidelines or ISO 27001

• Contribution
  – Structured comparison
  – National IS culture
Motivation for national IS guidelines development

- ISO 27001/ ISO 27002 Development
- Time establishment
- National characteristics
  - Economy & trading
  - Specific legislation & requirements
  - History and development
National IS guidelines vs. ISO 27001

- Stakeholder description
  - Compatibility level

- Developed Vs. Developing
  - Focus level

- Scope description
  - Detail level
National IS guidelines & ISO 27001 issued certificates

Percentage Ave. ISO 27001 annual growth (ISO survey 2014)
National IS guidelines & ISO 27001 issued certificates

Percentage Ave. ISO 27001 annual growth (ISO survey 2014)

- Japan
- United Kingdom
- India
- China
- USA
- Sri Lanka
- Uganda
- Latvia
- Rwanda
- Malawi

Japan leads with 80% average annual growth, followed by the United Kingdom and India.
National IS guidelines & ISO 27001 withdrawn certificates

Percentage Ave. ISO 27001 withdrawn certificates (ISO survey 2014)
National IS guidelines & ISO 27001 withdrawn certificates

Percentage Ave. ISO 27001 withdrawn certificates (ISO survey 2014)
National cultural characteristics & ISO 27001

The Most Leading Literature
- Gelfand

The Most Applicable Cultural Dimensions
- **Tightness vs. Looseness**
- **UAI**
  - Uncertainty Avoidance
- **PDI**
  - Power Distance
- **IDV**
  - Individualism

**UAI**: Degree of comfortableness with uncertainty (Saudi Arabia)

**PDI**: Relation to authority (Sri Lanka)

**IDV**: Self image as »I« or »we« (New Zealand)
National IS guidelines & cultural characteristics

Ave. cultural characteristics distribution (Hofstede Centre)

Countries

Singapore
Hong Kong
Australia
Canada
France
Japan
India
USA
Malawi
Latvia
Croatia
Slovakia
Sri Lanka
New Zealand
United Arab Emirates
Norway
Austria
Pakistan
South Africa
Poland
Saudi Arabia
United Kingdom
Brazil
Russian Federation
Germany
China

Ave. cultural characteristics distribution (Hofstede Centre)

UAI  PDI  IDV  Tight
National IS guidelines & cultural characteristics

Ave. cultural characteristics distribution (Hofstede Centre)

- UAI
- PDI
- IDV
- Tight
The most effective national characteristics

- National economic power
- National IS requirements
- National cultural barriers
  - National IS guidelines selection & development
  - ISO 27001 adoption & performance
Enhancing ISO 27001 long-term performance

- Resource management
- Main focus of development
- Supplementary security guidelines

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References


- Beckers, A structured comparison of security standards.

- Hofstede, the Hofstede Centre http://geert-hofstede.com/countries.html