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Global Cybersecurity Index

A Joint Collaborative Project by the
International Telecommunication Union and ABI Research

Global Cybersecurity Index

Lead Organizations

International Telecommunication Union

- BDT Cybersecurity and ICT Applications Division (CYB)
- United Nations specialized agency for information and communication technologies

ABI Research

- Cyber Security Research Practice
- Market intelligence company specializing in global technology markets

With the participation of IMPACT (International Multilateral Partnership Against Cyber Threats) and affiliated partners



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Aims

Objective

The Global Cybersecurity Index (GCI) aims to measure and rank each nation state's level of cybersecurity development in five main areas:

- Legal Measures
- Technical Measures
- Organizational Measures
- Capacity Building
- National and International Cooperation

Goal

- Promote government strategies at a national level
- Drive implementation efforts across industries and sectors
- Integrate security into the core of technological progress
- Foster a global culture of cybersecurity



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ITU Mandate

WSIS Action Line C5 Building confidence and security in the use of ICTs

ITU Plenipotentiary Resolutions (Guadalajara, 2010)

- 130 Strengthening the role of ITU in building confidence and security
- 174 International public policy issues relating to the risk of illicit use of ICTs
- 179 Child online protection
- 181 Definitions/terminology relating to building confidence and security

ITU WTDC Resolutions (Hyderabad, 2010)

- 45 Mechanisms for enhancing cooperation on cybersecurity
- 69 Creation of national computer incident response teams

ITU WTSA Resolutions (Dubai, 2012)

- 50 Cybersecurity
- 52 Countering and combating spam
- 58 Encourage the creation of national CIRT



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Conceptual Framework

Composite indicator, aggregating a number of individual indicators. The following indicators and sub-groups have been identified, and nations will be ranked against a benchmark provided in each indicator:

1. Legal

- Criminal Legislation
- Regulation & Compliance

2. Technical

- CERT/CIRT/CSIRT
- Standards
- Certification

3. Organizational

- Policy
- Roadmap for Governance
- Responsible Agency
- National Benchmarking

4. Capacity Building

- Standardization Development
- Manpower Development
- Professional Certification
- Agency Certification

5. Cooperation

- Intra-State Cooperation
- Intra-Agency Cooperation
- Public-Private Partnerships
- International Cooperation



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Timeframe & Project Activities

The project represents an undertaking of 12 to 18 months. Expected delivery of the full index is Q4 2014.

The timeframe is split into six regional stages:

- Arab States
- Europe
- Asia Pacific
- Americas
- Commonwealth of Independent States
- Africa

Phases for each regional stage:

- **Primary Research:** Contact relevant national stakeholders to collect data
- **Secondary Research:** Internal databases, publicly-available resources
- **Data Extraction:** Organize and sort through collected data
- **Data Input:** Assess the performance of each nation state



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Contact Information

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GCI Website

<http://www.itu.int/en/ITU-D/Cybersecurity/Pages/GCI.aspx>

