

GLOBAL CYBERSECURITY INDEX

2016

Objective

The Global Cybersecurity Index (GCI) measures each nation state's level of cybersecurity commitment in five main areas:

- Legal
- Technical
- Organizational
- Capacity Building
- Cooperation

Goal

- help countries identify areas for improvement
- motivate action to improve relative GCI rankings
- raise the level of cybersecurity worldwide
- help to identify and promote best practices
- foster a global culture of cybersecurity

25 Indicators based on the five pillars of the Global Cybersecurity Agenda

Legal

- Cybercriminal legislation
- Cybersecurity regulation
- Cybersecurity training

Technical

- National CIRT
- Government CIRT
- Sectoral CIRT
- Standards implementation framework for organizations
- Standards and certification for professionals
- Child online protection

Organizational

- Strategy
- Responsible agency
- Cybersecurity metrics

Capacity Building

- Standardization bodies
- Best practices
- R & D programmes
- Public awareness campaigns
- Professional training courses
- National education programmes and academic curricula
- Incentive mechanisms
- Home-grown cybersecurity industry

Cooperation

- Bilateral agreements
- Multilateral agreements
- International fora participation
- Public-private partnerships
- Interagency partnerships

Since November 2014 ...new version proposed..

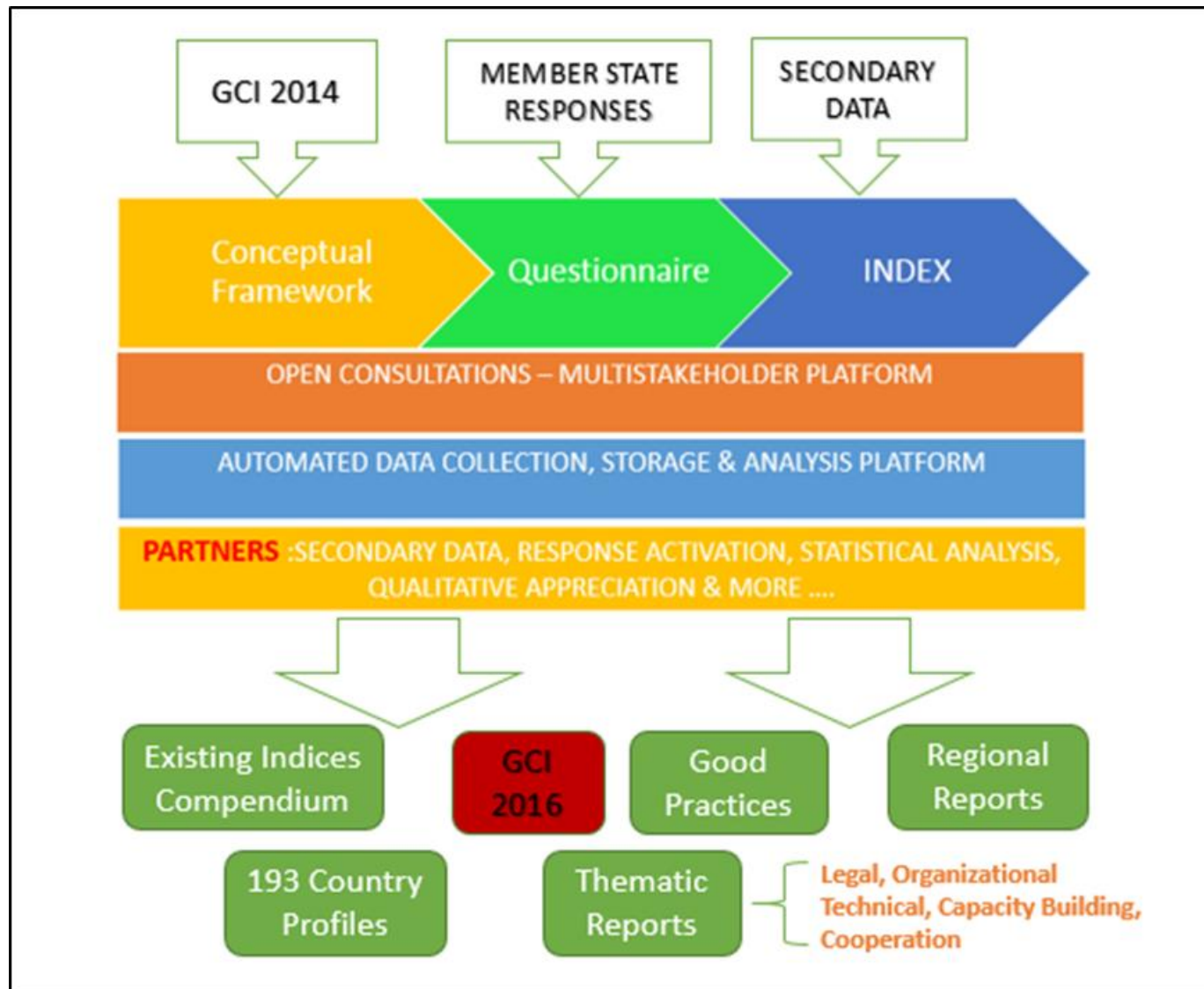
- Resolution 130 (Rev. Busan, 2014)

“invites Member States to support ITU initiatives on cybersecurity, including the Global Cybersecurity Index (GCI) ...”

What is new ?

- Have a unique value addition to the sphere of existing Cybersecurity indices
- Capture more details on Cybersecurity
- Enhance consultation with Member States
- Expand the partnerships into a multi-stakeholder collaborative platform

Overall Approach



Unique Value Addition

What makes the GCI unique is the balanced combination of:

- The broad geographic range covering all Member States of ITU
- The study of cybersecurity in five broad areas (pillars of Global Cybersecurity Agenda)
- The scoring and ranking mechanisms
- The cyberwellness country profiles

Index of Indices has been submitted as a contribution to the work of ITU D SG2 Q 3/2.

More details captured

- Go beyond 5 pillars of Global Cybersecurity Agenda (GCA)
- Go in more details on each pillar
- Address elements needed by SG2Question3

Improved consultation with Member States

- ITU-D Study group 2 Question 3
 - Contribution submitted for rapporteurs' meeting of 29 April
 - SG 3/2 agreed to review and endorse the GCIv2, and to make it the main instrument for data collection to meet their own needs.
 - Open consultation for 1 month in July
 - The SG 3/2 will endorse the harmonized questionnaire at main meeting of September 2015

- WSIS Forum
 - 2015: release of GCI 2014 report and inform on new version preparation



Partnership

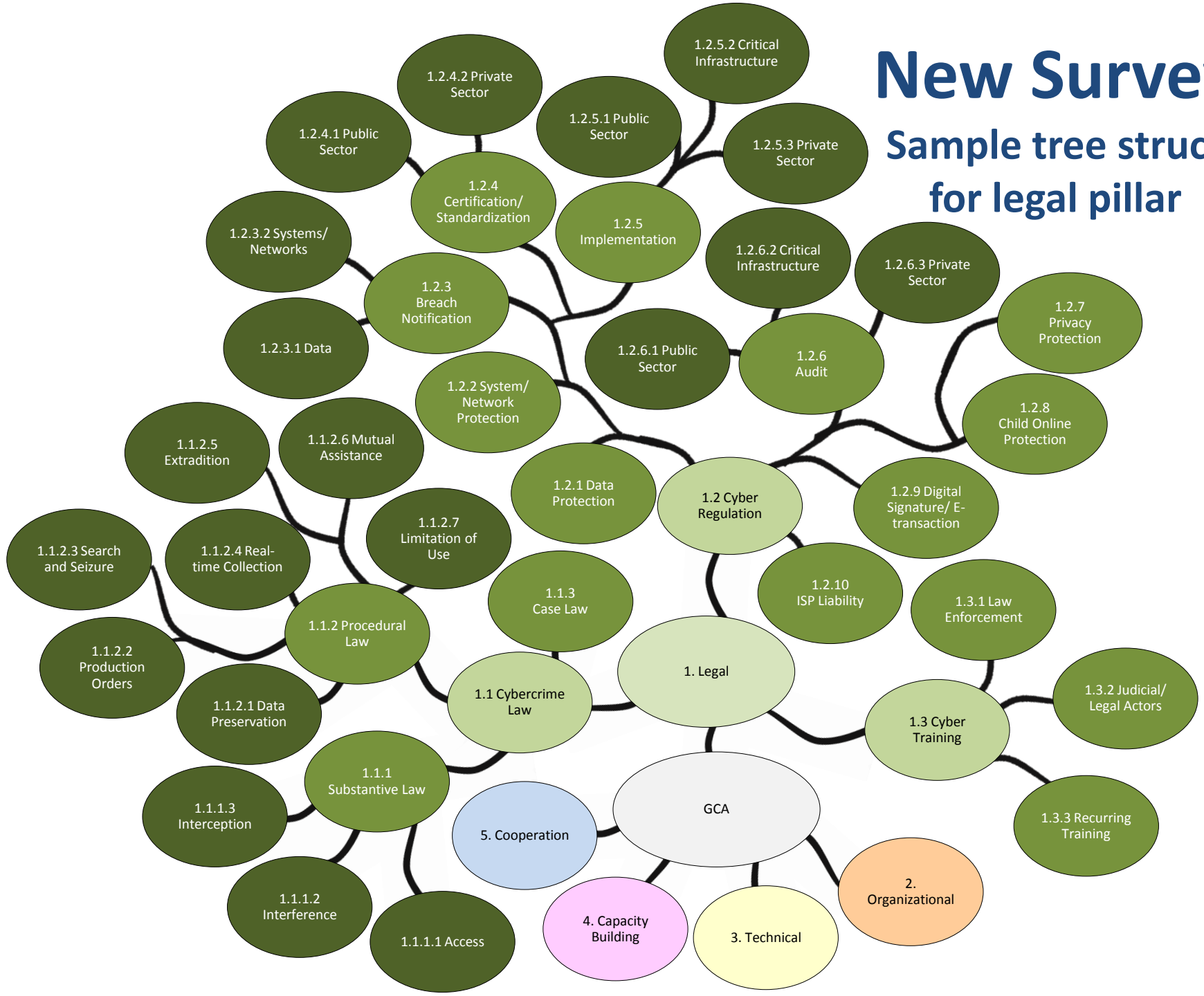
- Partner contributions to the GCI can be of the following types
- Expertise in
 - Index development
 - Statistical / qualitative analysis
 - Software tool provision / support
 - Qualitative review of results
- Secondary data sharing
- Funding

New Survey

- Available in 2016
- Online only
- 130 questions
- Yes / No in a *tree structure*
- Upload of supporting documents
- Added questions for ITU-D SG2Q3 (awareness survey and Child Online Protection survey)
- Accompanying Questionnaire Guide in all UN languages
- Accessible only by the GCI Country Focal point appointed by the Member State

New Survey

Sample tree structure for legal pillar



Data Analysis

- Panel of Expert to determine weightage of each question in calculating GCI score
 - Experts sourced from GCI Partners
- Data Cleaning and Validation
- Quantitative analysis for ranking
- Audit of analysis
- Qualitative review of supporting documents

GCI Outputs

- GCI Scores with Data Visualizations
- Updated Country profiles based on data received
- Best Practices
- Thematic reports
 - Legal
 - Technical
 - Organisational
 - Capacity building
 - Cooperation
- Regional reports

Key Actions (and status)

- Comparative analysis of existing indices
- Reference Model (incl. Conceptual Framework)
- Questionnaire content & guide
- Online survey platform
- Partnership Formulation
- Country GCI Focal point identification
- Panel of Expert Question Weightage calculation
- Survey Response
- Secondary data collection
- Data analysis (incl. hand over ITU-D SG2Q3 data & COP data)
- Audit of Analysis
- GCI Score calculation
- Update of Cyberwellness Profiles
- Report(s) writing

Global Cybersecurity index - GCI 2016 Partners

13 Partners



What is GCI for you ...

- “Help us to build a tool that you can use to gauge your cybersecurity readiness and to take informed decision thereon” - K. Huseinovic, ITU
- “GCI is a capacity building tool, nothing more than that” – M. Obiso, ITU

JOIN US

- As a partner
 - Add to this body of knowledge under construction
 - Your expertise on thematic to help enhance the GCI process and deliverables
 - Connect better with ITU and Member States
- As a respondent to questionnaire
 - Reflect your Country's achievements and plans for enhancing Cybersecurity
 - Share best practices
 - Position your country on the cybersecurity commitment scale

More information

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

ITU Focal points

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Online questionnaire queries

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