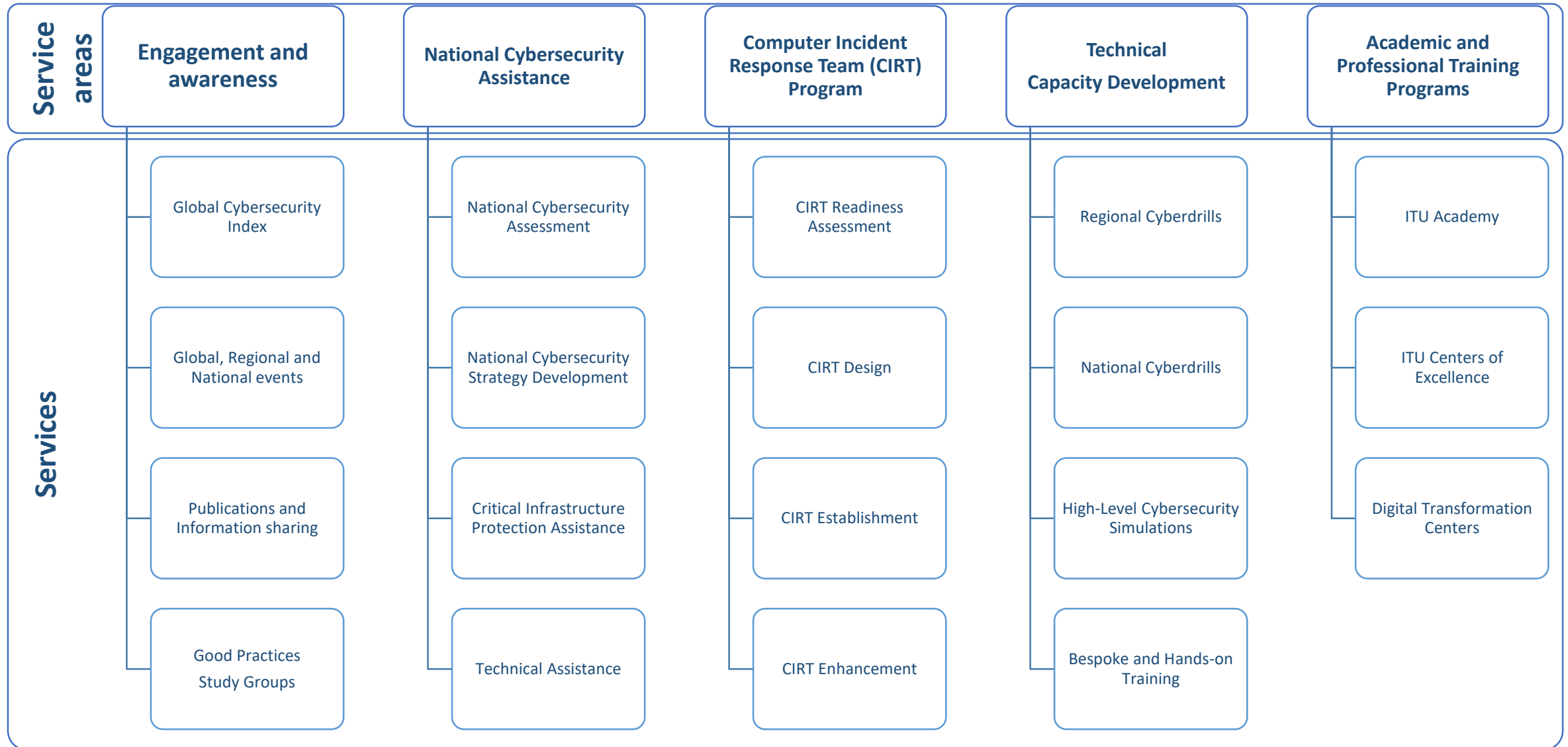# BDT CyberSecurity Programme

Marwan BEN RACHED

Technical Officer – Cybersecurity

Telecommunication Development Bureau, ITU

Cybersecurity Areas of Action

Service areas

Engagement and awareness	National Cybersecurity Assistance	Computer Incident Response Team (CIRT) Program	Technical Capacity Development	Academic and Professional Training Programs

Services

Global Cybersecurity Index	National Cybersecurity Assessment	CIRT Readiness Assessment	Regional Cyberdrills	ITU Academy
Global, Regional and National events	National Cybersecurity Strategy Development	CIRT Design	National Cyberdrills	ITU Centers of Excellence
Publications and Information sharing	Critical Infrastructure Protection Assistance	CIRT Establishment	High-Level Cybersecurity Simulations	Digital Transformation Centers
Good Practices Study Groups	Technical Assistance	CIRT Enhancement	Bespoke and Hands-on Training	

Global Cybersecurity Index

LEGAL
Cybercriminal Legislation, Substantive law, Procedural cybercriminal law, Cybersecurity Regulation.

TECHNICAL
National CIRT, Government CIRT, Sectoral CIRT, Standards for organisations, Standardisation body.

ORGANIZATIONAL
Strategy, Responsible agency, Cybersecurity metrics.

CAPACITY BUILDING
Public awareness, Professional training, National education programmes, R&D programmes, Incentive mechanisms, Home-grown industry.
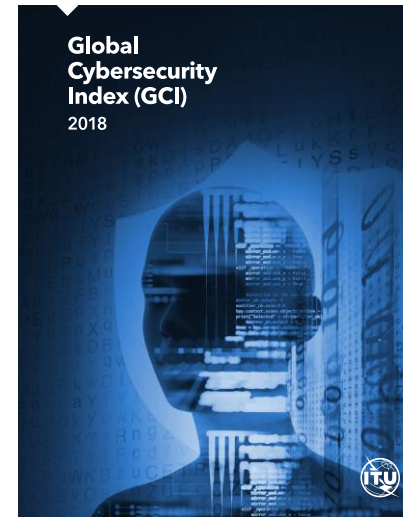
COOPERATION
Intra-state cooperation, Multilateral agreements, International fora, Public-Private partnerships, Inter-agency partnerships.

25 indicators

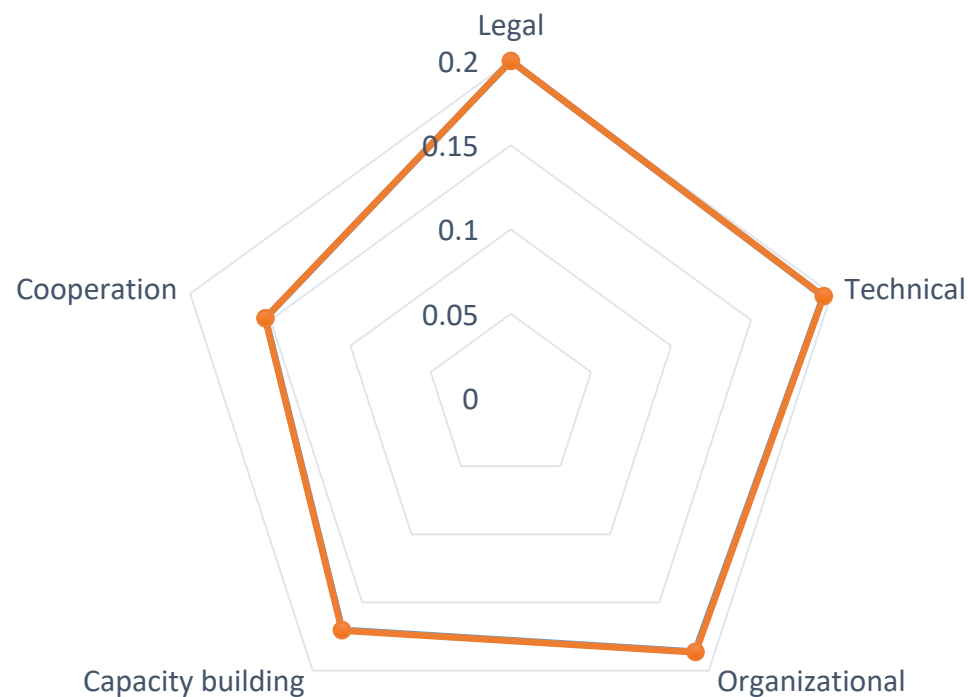Studies & research   ITUPublications

Global Cybersecurity Index (GCI) 2018

Global Cybersecurity Index (GCI) 2017

Estonia-GCI 2018 summary

- **Overall score: 0.905**
- **Global Rank: 5th**
- **Regional Rank: 4th**

Pillar	Score
Legal	0.200
Technical	0.195
Organizational	0.186
Capacity building	0.170
Cooperation	0.153

Scored highly in the legal and Technical, improvement is recommended for the cooperation measures

National Cybersecurity Strategy (NCS)

This Guide has primarily been structured as a resource to help government stakeholders in preparing and reviewing the National Cybersecurity Strategy.

3 REGIONAL WORKSHOPS in 2019

OVER **30** COUNTRIES

MORE THEN **150** PARTICIPANTS

5 REGIONAL WORKSHOPS planned for 2020

GUIDE TO DEVELOPING A NATIONAL CYBERSECURITY STRATEGY

STRATEGIC ENGAGEMENT IN CYBERSECURITY

Cybersecurity Capacity Maturity Model Assessments (CMM)

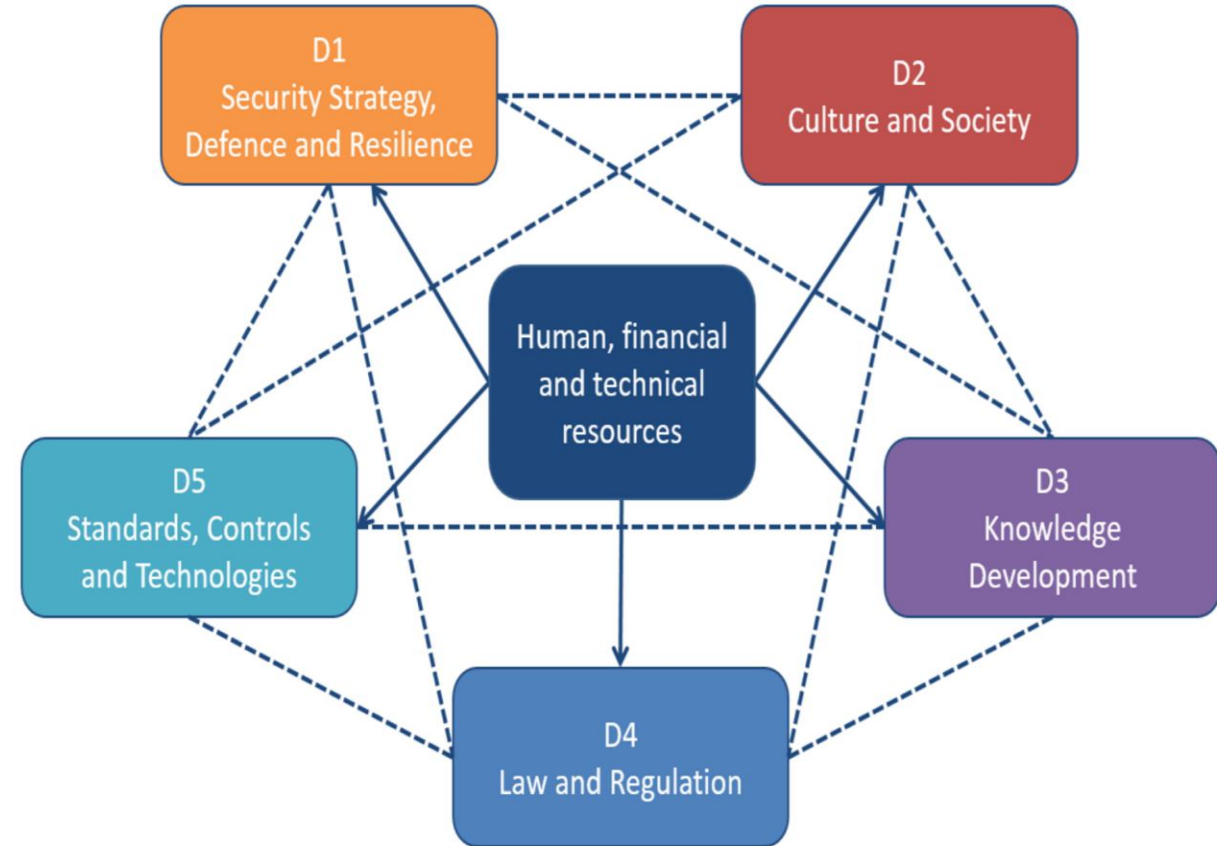The CMM has been deployed in more than **8** countries around the world

CIRT Development Framework

ASSESSMENT

DESIGN

ESTABLISHMENT

ENHANCEMENT

- Focused on Incident Responses capabilities with National responsibilities
- Aligned with the FIRST Service Framework

CIRT Development Framework

80 **CIRT readiness assessments**

14 **CIRT Project Implementations**

8 **Ongoing CIRT Projects**

Samoa, Malawi , Pacific Islands, Barbados ,

Botswana , Gambia, Burundi, Kenya

CIRT Development Framework

28 **Exercises were conducted**

115 **Countries participated in our Cyberdrills**

ITU Regional Cyberdrills in 2020

ASP&CIS: Azerbaijan
02-06 November 2020

EUR: Republic of North Macedonia
01-05 June 2020

ARB: Kingdom of Saudi Arabia
29 November - 03 December 2020

AMS: Peru
4-18 September 2020

AFR: South Africa
12-16 October 2020