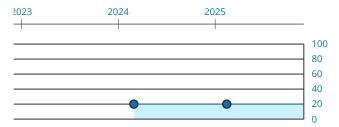


# 109. Tonga 20.00

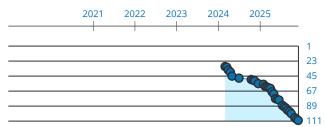
Population 0.1 million
Area (km²) 0.8 thousand
GDP per capita (\$) 7.4 thousand

109th National Cyber Security Index|||||||||||||||20 %N/A Global Cybersecurity Index|||||||||||||34 %134th E-Government Development Index|||||||||||||52 %N/A Network Readiness Index||||||||||||0 %

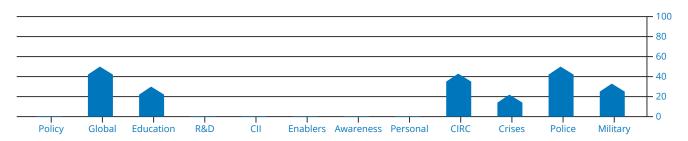
### NCSI DEVELOPMENT TIMELINE







### NCSI FULFILMENT PERCENTAGE



### STRATEGIC CYBERSECURITY INDICATORS

### 1. CYBERSECURITY POLICY

- 1.1. High-level cybersecurity leadership
- 1.2. Cybersecurity policy development
- 1.3. Cybersecurity policy coordination
- 1.4. National cybersecurity strategy
- 1.5. National cybersecurity strategy action plan

0		 (0%)
0	3	
0	3	

- 0 3
- 0 3

### 2. GLOBAL CYBERSECURITY CONTRIBUTION

- 2.1. Cyber diplomacy engagements
- 2.2. Commitment to international law in cyberspace
- 2.3. Contribution to international capacity building in cybersecurity

## (50%) 3 0 1

### 3. EDUCATION AND PROFESSIONAL DEVELOPMENT

- 3.1. Cyber safety competencies in primary education
- 3.2. Cyber safety competencies in secondary education
- 3.3. Undergraduate cybersecurity education
- 3.4. Graduate cybersecurity education
- 3.5. Association of cybersecurity professionals

## 0 2 10 (30%) 0 2 0 2 0 2 0 2 0 1

#### 4. CYBERSECURITY RESEARCH AND DEVELOPMENT

- 4.1. Cybersecurity research and development programmes
- 4.2. Cybersecurity doctoral studies



### PREVENTIVE CYBERSECURITY INDICATORS

5. CYBERSECURITY OF CRITICAL INFORMATION INFRASTRUCTURE			<b>63</b>	(0%)
5.1. Identification of critical information infrastructure	0	(3)	(12)	(070)
5.2. Cybersecurity requirements for operators of critical information	0	3		
infrastructure	U	3)		
5.3. Cybersecurity requirements for public sector organisations	0	3		
5.4. Competent supervisory authority	0	3		
6. CYBERSECURITY OF DIGITAL ENABLERS			(12)	(0%)
6.1. Secure electronic identification	0	2		(670)
6.2. Electronic signature	0			
6.3. Trust services	0			
6.4. Supervisory authority for trust services	0			
6.5. Cybersecurity requirements for cloud services	0	2		
6.6. Supply chain cybersecurity	0	2		
TO CORE THE TAXABLE AND AWARENESS BAIGING				(00/)
7. CYBER THREAT ANALYSIS AND AWARENESS RAISING	0		(12)	(0%)
7.1. Cyber threat analysis	0	3		
7.2. Public cyber threat reports	0	3		
7.3. Public cybersecurity awareness resources	0	3		
7.4. Cybersecurity awareness raising coordination	0	3)		
8. PROTECTION OF PERSONAL DATA	0		4	(0%)
8.1. Personal data protection legislation	0	2		
8.2. Personal data protection authority	0	2		
RESPONSIVE CYBERSECURITY INDICATORS				
9. CYBER INCIDENT RESPONSE	•	6		(43%)
9.1. National incident response capacity	•	3		
9.2. Incident reporting obligations	0	3		
9.3. Cyber incident reporting tool	0	2		
9.4. Single point of contact for international cooperation	0	3		
9.5. Participation in international incident response cooperation	•	3		
10. CYBER CRISIS MANAGEMENT	•—_2		9	(22%)
10.1. Cyber crisis management plan	0	2		
10.2. National cyber crisis management exercises	0	3		
10.3. Participation in international cyber crisis exercises	•	2		
10.4. Operational crisis reserve	0	2		
11. FIGHT AGAINST CYBERCRIME	•	8	(16)	(50%)
11.1. Cybercrime offences in national law	•	3		-
11.2. Procedural law provisions	0	3		
11.3. Ratification of or accession to the Convention on Cybercrime	•	2		
11.4. Cybercrime investigation capacity	0	3		
11.5. Digital forensics capacity	0			
11.6. 24/7 contact point for international cybercrime	•	3		
12. MILITARY CYBER DEFENCE	•	2	——(6)	(33%)
12. MILITARY CYBER DEFENCE 12.1. Military cyber defence capacity	0	2	<u></u>	(33%)
<ul><li>12. MILITARY CYBER DEFENCE</li><li>12.1. Military cyber defence capacity</li><li>12.2. Military cyber doctrine</li></ul>	0	2 2	(6)	(33%)



NCSI is held and developed by e-Governance Academy Foundation Company code: 90007000

Rotermanni 8 10111 Tallinn Estonia P: +372 663 1500 E: ncsi@ega.ee W: www.ega.ee