

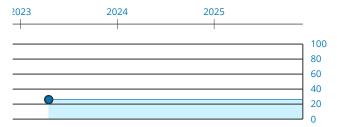
## 116. Tonga 25.97

Population 0.1 million
Area (km²) 0.7 thousand
GDP per capita (\$) 6.5 thousand

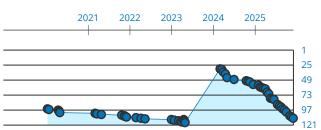
116<sup>th</sup> National Cyber Security Index 128<sup>th</sup> Global Cybersecurity Index 110<sup>th</sup> ICT Development Index

N/A Networked Readiness Index

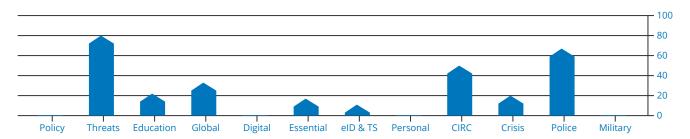
#### NCSI DEVELOPMENT TIMELINE



#### **RANKING TIMELINE**



#### NCSI FULFILMENT PERCENTAGE



### **GENERAL CYBER SECURITY INDICATORS**

- 1. Cyber security policy development
- 1.1. Cyber security policy unit
- 1.2. Cyber security policy coordination format
- 1.3. Cyber security strategy
- 1.4. Cyber security strategy implementation plan



0 1

- 2. Cyber threat analysis and information
- 2.1. Cyber threats analysis unit
- 2.2. Public cyber threat reports are published annually
- 2.3. Cyber safety and security website



1

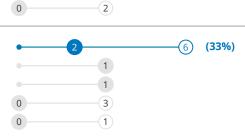
#### 3. Education and professional development

- 3.1. Cyber safety competencies in primary or secondary education
- 3.2. Bachelor's level cyber security programme
- 3.3. Master's level cyber security programme
- 3.4. PhD level cyber security programme
- 3.5. Cyber security professional association

# 9 (22%) 0 1 0 2 2 0 2

### 4. Contribution to global cyber security

- 4.1. Convention on Cybercrime
- 4.2. Representation in international cooperation formats
- 4.3. International cyber security organisation hosted by the country
- 4.4. Cyber security capacity building for other countries



#### **BASELINE CYBER SECURITY INDICATORS**

#### 5. Protection of digital services (0%) 0 5.1. Cyber security responsibility for digital service providers 1 5.2. Cyber security standard for the public sector 0 1) 5.3. Competent supervisory authority 0 3 6. Protection of essential services (17%) 6.1. Operators of essential services are identified 1 6.2. Cyber security requirements for operators of essential services 0 1) 6.3. Competent supervisory authority 0 3 6.4. Regular monitoring of security measures 0 1) 7. E-identification and trust services (11%) 7.1. Unique persistent identifier 0 1) 7.2. Requirements for cryptosystems 0 1) 7.3. Electronic identification 0 1) 7.4. Electronic signature 1 7.5. Timestamping 0 1 7.6. Electronic registered delivery service 0 1) 7.7. Competent supervisory authority 0 3 (0%) 8. Protection of personal data (4) 8.1. Personal data protection legislation 0 (1) 8.2. Personal data protection authority 0 3 INCIDENT AND CRISIS MANAGEMENT INDICATORS (50%) 9. Cyber incidents response 9.1. Cyber incidents response unit 3 9.2. Reporting responsibility 0 1 9.3. Single point of contact for international coordination 0 2 (20%) 10. Cyber crisis management 10.1. Cyber crisis management plan 0 1 10.2. National-level cyber crisis management exercise 0 2 10.3. Participation in international cyber crisis exercises 1 10.4. Operational support of volunteers in cyber crises 0 (1) 11. Fight against cybercrime (67%)11.1. Cybercrimes are criminalised 1 11.2. Cybercrime unit 3 0 11.3. Digital forensics unit 3 11.4. 24/7 contact point for international cybercrime 2 12. Military cyber operations (0%) 0 (6) 0 3 12.1. Cyber operations unit 0 2 12.2. Cyber operations exercise



12.3. Participation in international cyber exercises

1)

0