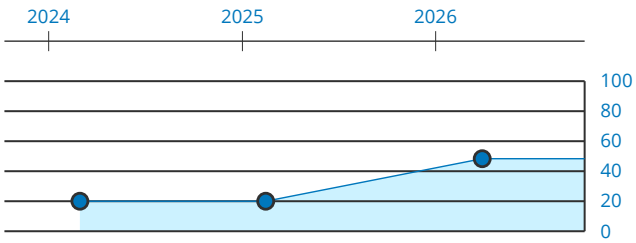
NCSI
national cyber security index

93. Tonga 48.33

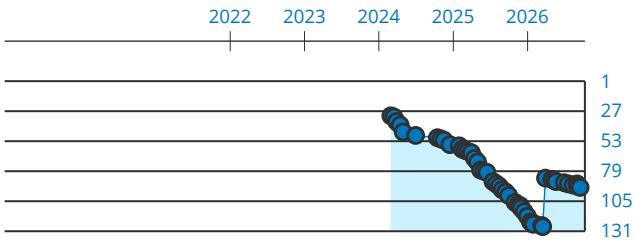
Population	**0.1** million
Area (km^2)	**0.8** thousand
GDP per capita ($)	**7.4** thousand

93rd	National Cyber Security Index	48 %
4th	Global Cybersecurity Index	34 %
134th	E-Government Development Index	52 %
N/A	Network Readiness Index	0 %

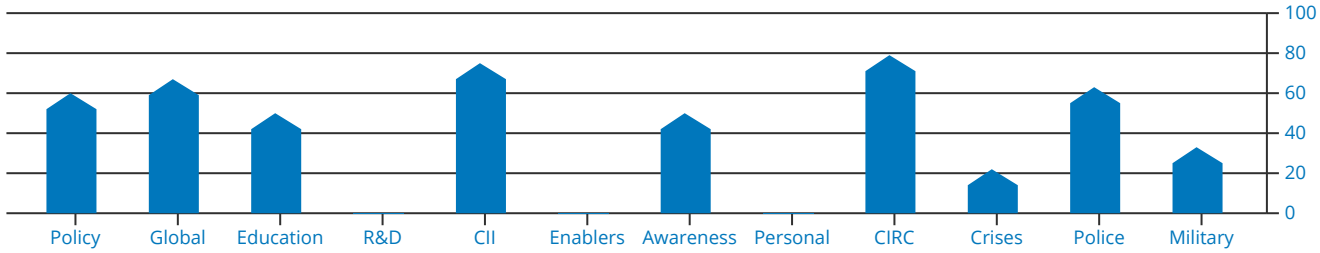
NCSI DEVELOPMENT TIMELINE



RANKING TIMELINE



NCSI FULFILMENT PERCENTAGE



STRATEGIC CYBERSECURITY INDICATORS

1. CYBERSECURITY POLICY	9	15	(60%)
1.1. High-level cybersecurity leadership		3	
1.2. Cybersecurity policy development		3	
1.3. Cybersecurity policy coordination		3	
1.4. National cybersecurity strategy	0	3	
1.5. National cybersecurity strategy action plan	0	3	
2. GLOBAL CYBERSECURITY CONTRIBUTION	4	6	(67%)
2.1. Cyber diplomacy engagements		3	
2.2. Commitment to international law in cyberspace		1	
2.3. Contribution to international capacity building in cybersecurity	0	2	
3. EDUCATION AND PROFESSIONAL DEVELOPMENT	5	10	(50%)
3.1. Cyber safety competencies in primary education	0	2	
3.2. Cyber safety competencies in secondary education	0	2	
3.3. Undergraduate cybersecurity education		2	
3.4. Graduate cybersecurity education		3	
3.5. Association of cybersecurity professionals	0	1	
4. CYBERSECURITY RESEARCH AND DEVELOPMENT	0	4	(0%)
4.1. Cybersecurity research and development programmes	0	2	
4.2. Cybersecurity doctoral studies	0	2	

PREVENTIVE CYBERSECURITY INDICATORS

5. CYBERSECURITY OF CRITICAL INFORMATION INFRASTRUCTURE	9	12	**(75%)**
5.1. Identification of critical information infrastructure		3	
5.2. Cybersecurity requirements for operators of critical information infrastructure		3	
5.3. Cybersecurity requirements for public sector organisations	0	3	
5.4. Competent supervisory authority		3	
6. CYBERSECURITY OF DIGITAL ENABLERS	0	12	**(0%)**
6.1. Secure electronic identification	0	2	
6.2. Electronic signature	0	2	
6.3. Trust services	0	2	
6.4. Supervisory authority for trust services	0	2	
6.5. Cybersecurity requirements for cloud services	0	2	
6.6. Supply chain cybersecurity	0	2	
7. CYBER THREAT ANALYSIS AND AWARENESS RAISING	6	12	**(50%)**
7.1. Cyber threat analysis	0	3	
7.2. Public cyber threat reports		3	
7.3. Public cybersecurity awareness resources		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	11	14	**(79%)**
9.1. National incident response capacity		3	
9.2. Incident reporting obligations		3	
9.3. Cyber incident reporting tool		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	10	16	**(63%)**
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		2	
11.6. 24/7 contact point for international cybercrime		3	
12. MILITARY CYBER DEFENCE	2	6	**(33%)**
12.1. Military cyber defence capacity	0	2	
12.2. Military cyber doctrine	0	2	
12.3. Military cyber defence exercises		2	

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