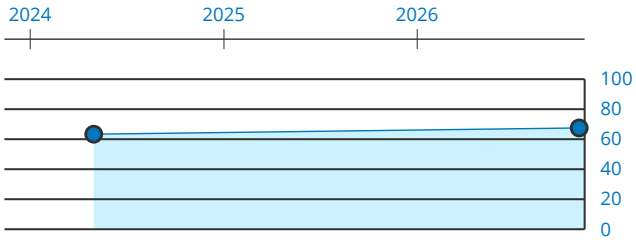
NCSI
national cyber security index

66. Ghana 67.50

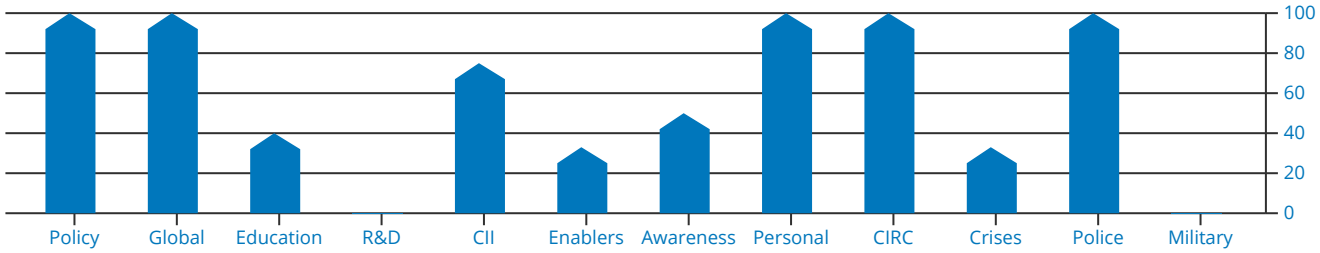
Population	**33.8** million
Area (km^2)	**238.5** thousand
GDP per capita ($)	**7.5** thousand

66th	National Cyber Security Index	68 %
1st	Global Cybersecurity Index	99 %
108th	E-Government Development Index	63 %
87th	Network Readiness Index	44 %

NCSI DEVELOPMENT TIMELINE



NCSI FULFILMENT PERCENTAGE



STRATEGIC CYBERSECURITY INDICATORS

1. CYBERSECURITY POLICY	15	(100%)
1.1. High-level cybersecurity leadership	3	
1.2. Cybersecurity policy development	3	
1.3. Cybersecurity policy coordination	3	
1.4. National cybersecurity strategy	3	
1.5. National cybersecurity strategy action plan	3	
2. GLOBAL CYBERSECURITY CONTRIBUTION	6	(100%)
2.1. Cyber diplomacy engagements	3	
2.2. Commitment to international law in cyberspace	1	
2.3. Contribution to international capacity building in cybersecurity	2	
3. EDUCATION AND PROFESSIONAL DEVELOPMENT	4 / 10	(40%)
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	0 / 2	
3.4. Graduate cybersecurity education	3	
3.5. Association of cybersecurity professionals	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	4	12	(33%)
6.1. Secure electronic identification		2	
6.2. Electronic signature		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		3	
7.2. Public cyber threat reports	0	3	
7.3. Public cybersecurity awareness resources		3	
7.4. Cybersecurity awareness raising coordination	0	3	
8. PROTECTION OF PERSONAL DATA	4		(100%)
8.1. Personal data protection legislation		2	
8.2. Personal data protection authority		2	

RESPONSIVE CYBERSECURITY INDICATORS

9. CYBER INCIDENT RESPONSE	14		(100%)
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		3	
9.5. Participation in international incident response cooperation		3	
10. CYBER CRISIS MANAGEMENT	3	9	(33%)
10.1. Cyber crisis management plan	0	2	
10.2. National cyber crisis management exercises		3	
10.3. Participation in international cyber crisis exercises	0	2	
10.4. Operational crisis reserve	0	2	
11. FIGHT AGAINST CYBERCRIME	16		(100%)
11.1. Cybercrime offences in national law		3	
11.2. Procedural law provisions		3	
11.3. Ratification of or accession to the Convention on Cybercrime		2	
11.4. Cybercrime investigation capacity		3	
11.5. Digital forensics capacity		2	
11.6. 24/7 contact point for international cybercrime		3	
12. MILITARY CYBER DEFENCE	0	6	(0%)
12.1. Military cyber defence capacity	0	2	
12.2. Military cyber doctrine	0	2	
12.3. Military cyber defence exercises	0	2	

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

Ahtri 6
10151 Tallinn
Estonia

P: +372 663 1500
E: ncsi@ega.ee
W: www.ega.ee