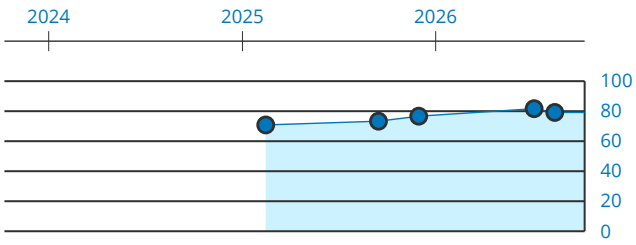
44. Kazakhstan 79.17

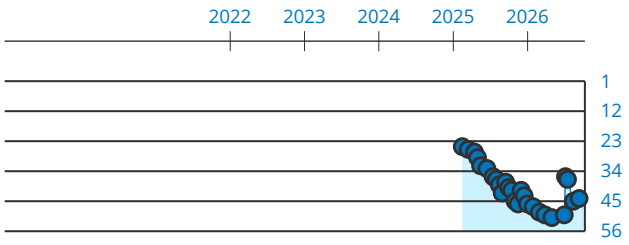
Population	**20.3** million
Area (km^2)	**2.7** million
GDP per capita ($)	**57.8** thousand

44th	National Cyber Security Index	79 %
2nd	Global Cybersecurity Index	94 %
24th	E-Government Development Index	90 %
61st	Network Readiness Index	51 %

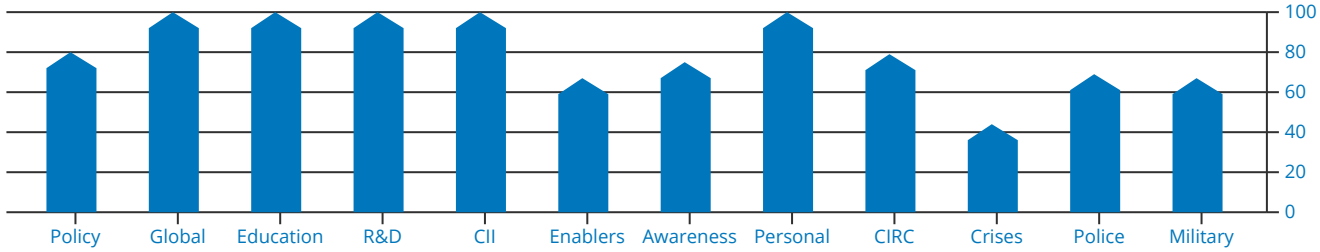
NCSI DEVELOPMENT TIMELINE



RANKING TIMELINE



NCSI FULFILMENT PERCENTAGE



STRATEGIC CYBERSECURITY INDICATORS

1. CYBERSECURITY POLICY	12 / 15	(80%)
1.1. High-level cybersecurity leadership	3	
1.2. Cybersecurity policy development	3	
1.3. Cybersecurity policy coordination	0 / 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	10	(100%)
3.1. Cyber safety competencies in primary education	2	
3.2. Cyber safety competencies in secondary education	2	
3.3. Undergraduate cybersecurity education	2	
3.4. Graduate cybersecurity education	3	
3.5. Association of cybersecurity professionals	1	
4. CYBERSECURITY RESEARCH AND DEVELOPMENT	4	(100%)
4.1. Cybersecurity research and development programmes	2	
4.2. Cybersecurity doctoral studies	2	

PREVENTIVE CYBERSECURITY INDICATORS

5. CYBERSECURITY OF CRITICAL INFORMATION INFRASTRUCTURE		12	**(100%)**
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		3	
5.4. Competent supervisory authority		3	
6. CYBERSECURITY OF DIGITAL ENABLERS	8	12	**(67%)**
6.1. Secure electronic identification		2	
6.2. Electronic signature		2	
6.3. Trust services		2	
6.4. Supervisory authority for trust services	0	2	
6.5. Cybersecurity requirements for cloud services		2	
6.6. Supply chain cybersecurity	0	2	
7. CYBER THREAT ANALYSIS AND AWARENESS RAISING	9	12	**(75%)**
7.1. Cyber threat analysis		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		4	**(100%)**
8.1. Personal data protection legislation		2	
8.2. Personal data protection authority		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	4	9	**(44%)**
10.1. Cyber crisis management plan		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	11	16	**(69%)**
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	0	2	
11.4. Cybercrime investigation capacity		3	
11.5. Digital forensics capacity		2	
11.6. 24/7 contact point for international cybercrime	0	3	
12. MILITARY CYBER DEFENCE	4	6	**(67%)**
12.1. Military cyber defence capacity		2	
12.2. Military cyber doctrine	0	2	
12.3. Military cyber defence exercises		2	

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