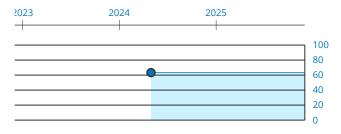


### 58. Ghana 63.33

Population 33.8 million
Area (km²) 238.5 thousand
GDP per capita (\$) 7.5 thousand

58<sup>th</sup> National Cyber Security Index |||||||||||| 63 %
N/A Global Cybersecurity Index ||||||||||| 99 %
108<sup>th</sup> E-Government Development Index ||||||||||| 63 %
87<sup>th</sup> Network Readiness Index |||||||||| 44 %

#### NCSI DEVELOPMENT TIMELINE

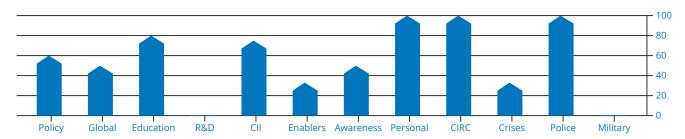




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#### NCSI FULFILMENT PERCENTAGE



#### 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

## 9 (60%) 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%) 0 3

3

3

2

#### 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

# 8 (80%) 2 2 2 0 2 3 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	•		9 — (12)	(75%)
5.1. Identification of critical information infrastructure	•	3		
5.2. Cybersecurity requirements for operators of critical information	0	3		
infrastructure				
5.3. Cybersecurity requirements for public sector organisations	0	3		
5.4. Competent supervisory authority		3		
6. CYBERSECURITY OF DIGITAL ENABLERS	•	4		(33%)
6.1. Secure electronic identification	•	2		
6.2. Electronic signature	•	2		
6.3. Trust services	0			
6.4. Supervisory authority for trust services	0			
6.5. Cybersecurity requirements for cloud services	0			
6.6. Supply chain cybersecurity	0			
7. CYBER THREAT ANALYSIS AND AWARENESS RAISING		6	(12)	(50%)
7.1. Cyber threat analysis		3		(5070)
7.2. Public cyber threat reports	0	3		
7.3. Public cybersecurity awareness resources		3		
7.4. Cybersecurity awareness raising coordination	0	3		
7.4. Cyber security 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	0	3		
10. CYBER CRISIS MANAGEMENT		3		(33%)
10.1. Cyber crisis management plan	0			(===,
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				(100%)
11.1. Cybercrime offences in national law		3		(10070)
11.2. Procedural law provisions				
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			(0%)
12.1. Military cyber defence capacity	0	2	_	
12.2. Military cyber doctrine	0	2		
12.3. Military cyber defence exercises	0	2		



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