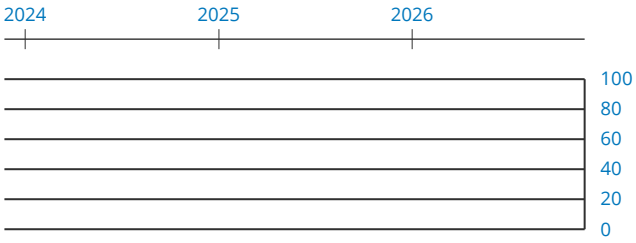
NCSI
national cyber security index

# 80. Ghana 46.75

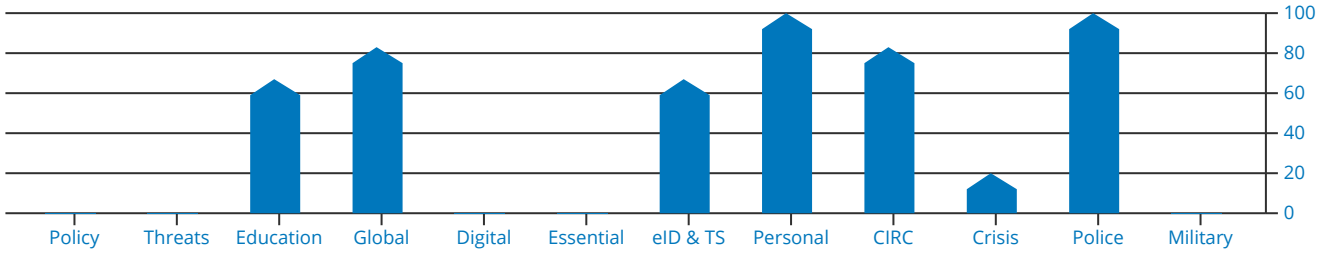
| | |
|---|---|
| Population | **27.7** million |
| Area (km$^2$) | **238.5** thousand |
| GDP per capita ($) | **4.6** thousand |

| | | |
|---|---|---|
| 80th | National Cyber Security Index | 47 % |
| 43rd | Global Cybersecurity Index | 87 % |
| 116th | ICT Development Index | 41 % |
| 96th | Networked Readiness Index | 3 % |

## NCSI DEVELOPMENT TIMELINE




## NCSI FULFILMENT PERCENTAGE




## GENERAL CYBER SECURITY INDICATORS

| | | | |
|---|---|---|---|
| 1. Cyber security policy development | 0 | 7 | (0%) |
| 1.1. Cyber security policy unit | 0 | 3 | |
| 1.2. Cyber security policy coordination format | 0 | 2 | |
| 1.3. Cyber security strategy | 0 | 1 | |
| 1.4. Cyber security strategy implementation plan | 0 | 1 | |
| 2. Cyber threat analysis and information | 0 | 5 | (0%) |
| 2.1. Cyber threats analysis unit | 0 | 3 | |
| 2.2. Public cyber threat reports are published annually | 0 | 1 | |
| 2.3. Cyber safety and security website | 0 | 1 | |
| 3. Education and professional development | 6 | 9 | (67%) |
| 3.1. Cyber safety competencies in primary or secondary education | 0 | 1 | |
| 3.2. Bachelor's level cyber security programme | | 2 | |
| 3.3. Master's level cyber security programme | | 2 | |
| 3.4. PhD level cyber security programme | 0 | 2 | |
| 3.5. Cyber security professional association | | 2 | |
| 4. Contribution to global cyber security | 5 | 6 | (83%) |
| 4.1. Convention on Cybercrime | | 1 | |
| 4.2. Representation in international cooperation formats | | 1 | |
| 4.3. International cyber security organisation hosted by the country | | 3 | |
| 4.4. Cyber security capacity building for other countries | 0 | 1 | |

## BASELINE CYBER SECURITY INDICATORS

| | | | |
|---|---|---|---|
| 5. Protection of digital services | 0 | 5 | (0%) |
| 5.1. Cyber security responsibility for digital service providers | 0 | 1 | |
| 5.2. Cyber security standard for the public sector | 0 | 1 | |
| 5.3. Competent supervisory authority | 0 | 3 | |
| 6. Protection of essential services | 0 | 6 | (0%) |
| 6.1. Operators of essential services are identified | 0 | 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 | 6 | 9 | (67%) |
| 7.1. Unique persistent identifier | | 1 | |
| 7.2. Requirements for cryptosystems | 0 | 1 | |
| 7.3. Electronic identification | | 1 | |
| 7.4. Electronic signature | | 1 | |
| 7.5. Timestamping | 0 | 1 | |
| 7.6. Electronic registered delivery service | 0 | 1 | |
| 7.7. Competent supervisory authority | | 3 | |
| 8. Protection of personal data | 4 | | (100%) |
| 8.1. Personal data protection legislation | | 1 | |
| 8.2. Personal data protection authority | | 3 | |

## INCIDENT AND CRISIS MANAGEMENT INDICATORS

| | | | |
|---|---|---|---|
| 9. Cyber incidents response | 5 | 6 | (83%) |
| 9.1. Cyber incidents response unit | | 3 | |
| 9.2. Reporting responsibility | 0 | 1 | |
| 9.3. Single point of contact for international coordination | | 2 | |
| 10. Cyber crisis management | 1 | 5 | (20%) |
| 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 | 9 | | (100%) |
| 11.1. Cybercrimes are criminalised | | 1 | |
| 11.2. Cybercrime unit | | 3 | |
| 11.3. Digital forensics unit | | 3 | |
| 11.4. 24/7 contact point for international cybercrime | | 2 | |
| 12. Military cyber operations | 0 | 6 | (0%) |
| 12.1. Cyber operations unit | 0 | 3 | |
| 12.2. Cyber operations exercise | 0 | 2 | |
| 12.3. Participation in international cyber exercises | 0 | 1 | |

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