

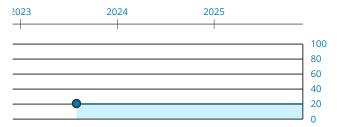
127. Sudan 20.78

Population 39.6 million
Area (km²) 1.9 million
GDP per capita (\$) 4.7 thousand

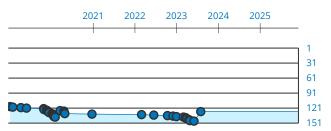
127th National Cyber Security Index 102nd Global Cybersecurity Index 145th ICT Development Index

N/A Networked Readiness Index

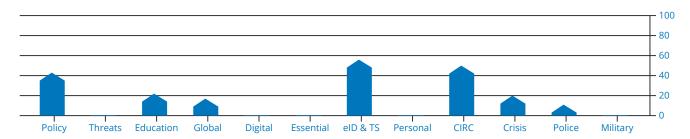
NCSI DEVELOPMENT TIMELINE



RANKING TIMELINE



NCSI FULFILMENT PERCENTAGE



GENERAL CYBER SECURITY INDICATORS

- 1. Cyber security policy development
- 1.1. Cyber security policy unit
- 1.2. Cyber security policy coordination format
- 1.3. Cyber security strategy
- 1.4. Cyber security strategy implementation plan

- 3 (43%) 0 2
- 0 1

- 2. Cyber threat analysis and information
- 2.1. Cyber threats analysis unit
- 2.2. Public cyber threat reports are published annually
- 2.3. Cyber safety and security website

- - 0 1

- 3. Education and professional development
- 3.1. Cyber safety competencies in primary or secondary education
- 3.2. Bachelor's level cyber security programme
- 3.3. Master's level cyber security programme
- 3.4. PhD level cyber security programme
- 3.5. Cyber security professional association

- 9 (22%) 0 1 0 2
 - 0 2
 - 0 2

- 4. Contribution to global cyber security
- 4.1. Convention on Cybercrime
- 4.2. Representation in international cooperation formats
- 4.3. International cyber security organisation hosted by the country
- 4.4. Cyber security capacity building for other countries

6 (17%)
0 1
0 3
0 1

BASELINE CYBER SECURITY INDICATORS

5. Protection of digital services (0%) 0 5.1. Cyber security responsibility for digital service providers 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 (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 (56%)7.1. Unique persistent identifier 1 7.2. Requirements for cryptosystems 0 1 7.3. Electronic identification 0 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 (0%) 8. Protection of personal data (4) 1 8.1. Personal data protection legislation 0 8.2. Personal data protection authority 0 3 INCIDENT AND CRISIS MANAGEMENT INDICATORS (50%) 9. Cyber incidents response 9.1. Cyber incidents response unit 3 9.2. Reporting responsibility 0 1 9.3. Single point of contact for international coordination 0 2 (20%) 10. Cyber crisis management 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 (11%) 11.1. Cybercrimes are criminalised 1 11.2. Cybercrime unit 0 3 11.3. Digital forensics unit 0 3 11.4. 24/7 contact point for international cybercrime 2 0 12. Military cyber operations **(6)** (0%) 0 0 3 12.1. Cyber operations unit 0 2 12.2. Cyber operations exercise



12.3. Participation in international cyber exercises

0

1)

Estonia