GHANA’S CYBERSECURITY DEVELOPMENT

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Republic of Ghana
GHANA

• Location
  • West Coast of Africa
    • North: Burkina Faso
    • East: Togo
    • West: Ivory Coast
    • South: Atlantic Ocean
  • Lat: 7.9465 N  Long: 1.02319 W

• Area
  • Total: 238,535 km²

• Population
  • 2018 estimate: 29.6 million
  • Density: 123.52/km²

• GDP (nominal) 2017 est.
  • Total: US$46.8 billion
  • Per capita: US$1,654
KEY CHALLENGES

- Financial Challenges
- Human Resource / Skillset
- Technology Challenges
- Cultural / Social Barriers
- Political Commitment
- Other

Success
GHANA’S CYBERSECURITY GOVERNANCE FRAMEWORK

- Policy Direction
- Technical Coordination & Engagement
- Operations
National Communication Authority – All Licensed Public Network Operators

National I.T Agency – All Government Networks & Systems

National Security Council – All National Security Agencies

Bank of Ghana – All Banking & Financial Institutions

Industrial & Commercial Systems - Power & Water Systems Operators

Academic & Research Networks – GARNET, GhREN & University & Research Institutions

Military – All Arms of the Ghana Armed Forces & Regional Units

Business or Private Sector – Any Private Sector Business That Require Incident Handling Services

CERT ECOSYSTEM

NATIONAL CERT

NCA CERT

NITA CERT

NSC CERT

BoG CERT

ICS CERT

ARN CERT

MIL CERT

BUS CERT
CYBERSECURITY CMM - DIMENSIONS

D 1
Cybersecurity Policy and Strategy

D 2
Cyber Culture and Society

D 3
Cybersecurity Education, Training and Skills

D 4
Legal and Regulatory Frameworks

D 5
Standards Organisations, and Technologies
CYBERSECURITY CMM - STAKEHOLDERS ENGAGED

- Public Sector Institutions
- Criminal Justice Sector
- ICT & Telecommunications Sector
- Financial Sector
- Critical National Information Infrastructure (CNII) Owners
- Academia
- Professional Societies
- Private Sector
- Non-governmental Organisations (NGOs) & International Community
CMM METHODOLOGY - STAGES OF MATURITY

- Dynamic
- Strategic
- Established
- Formative
- Start-up
VICE PRESIDENT BAWUMIA LAUNCHES 2018 CYBER SECURITY AWARENESS PROGRAMME

Vice President Dr Mahamudu Bawumia has launched the 2018 National Cyber security Awareness Programme with a call for concerted and coordinated efforts to fight the ills of cyber crime to curb the growing menace.
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