GLobal Action on CYbercrime (GLACY)

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Presentation Outline

Part 1

Statistics and Electronic Evidence on Cybercrime

Part 2

Principal Challenges in Confronting Cybercrime

Part 3

Policy and Strategies to Address Challenges

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About Mauritius

- Small Island in the Indian Ocean (Area:2,040 kms)
- Population: 1.25 million (Mauritius in Figures,CSO-2013)
- Literacy: 89.8 % (CSO, 2011)
- Upper Middle Income Country, GDP-US$9,227 (World Bank 2014)
- Most Innovative Country in Africa (INSEAD, WIPO 2104)
  Global Innovation Index (Score: 40.94)
- Global Competitive Index: 1st in Sub Saharan Africa and 39th Globally, score 4.52(WEF-2014-15)
- Global Cybersecurity Index: 1st in Africa (ITU 2013-2014)
- E-Government Index: 2nd Rank in Africa after Tunisia (UN e-Gov. Survey 2014)
- ICT Development Index: 1st in Africa (ITU-MIS 2014 Report)

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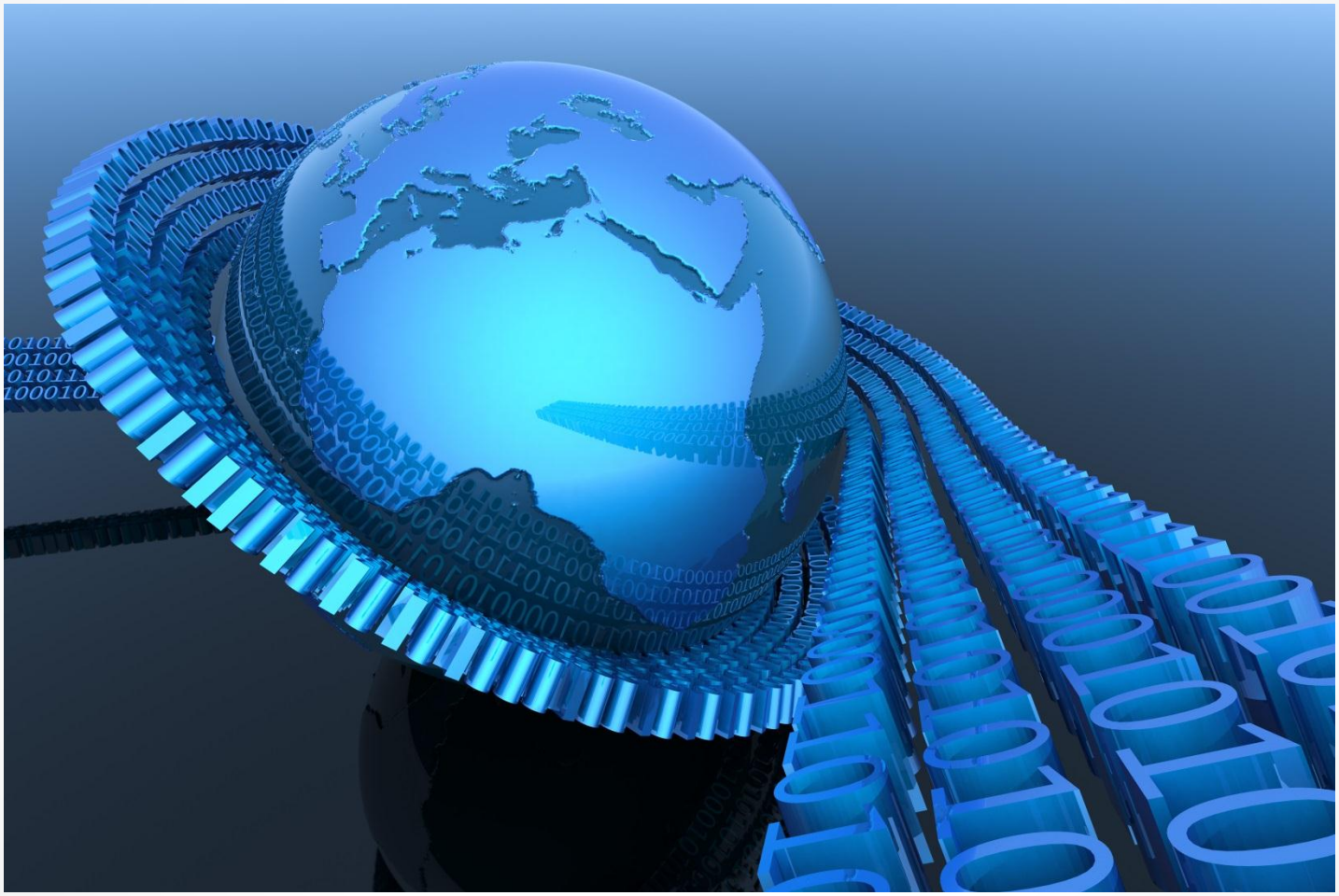
Part 1

Statistics and Electronic Evidence on Cybercrime



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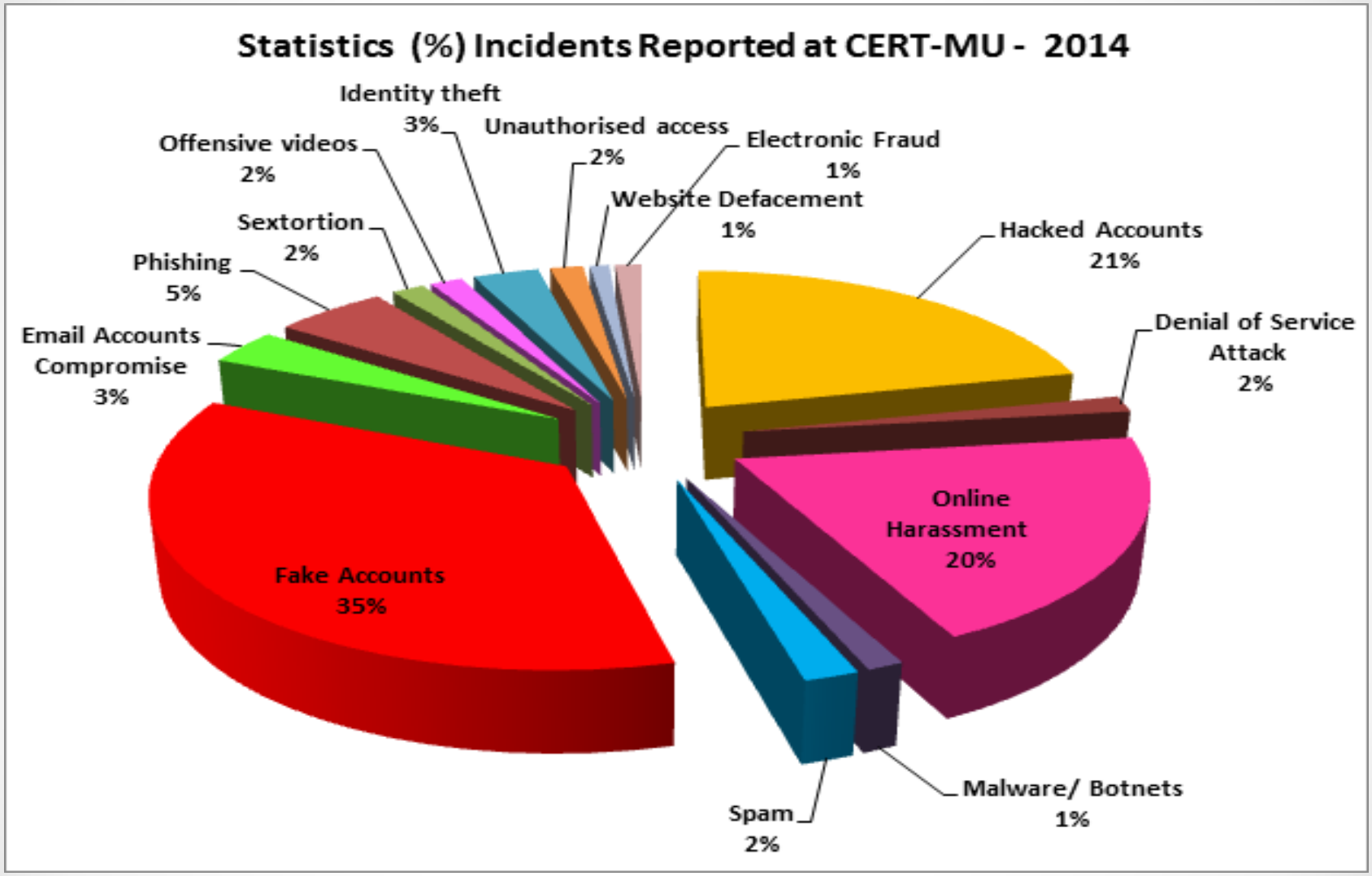
Incident Statistics Reported to CERT-MU 2014



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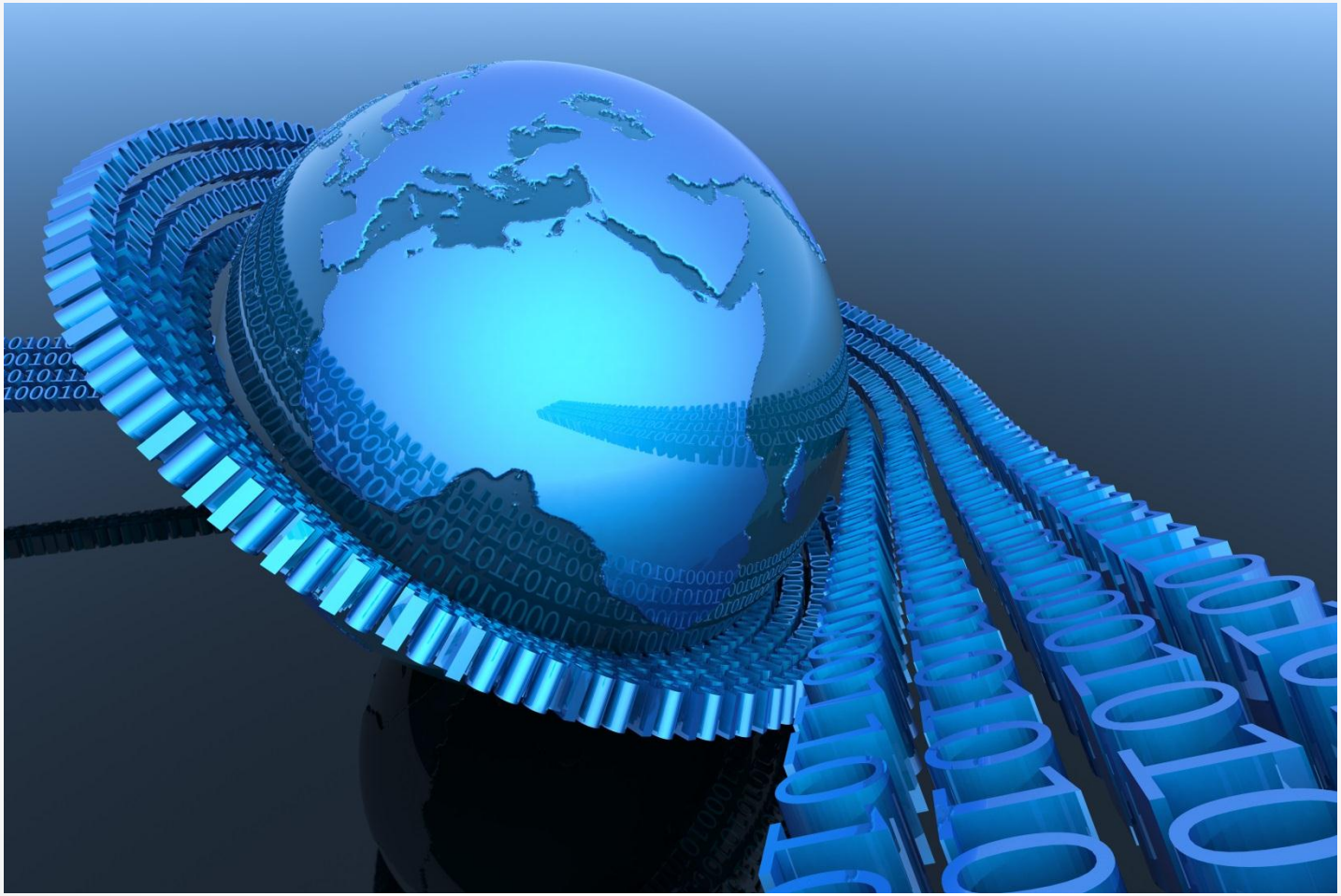
Part 2

Principal Challenges in Confronting Cybercrime



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Principal Challenges

- Strategic institutional co-ordination
- Enforcement mechanism and legal status
- Control standards and guidelines
- Centralized Incident Reporting
- Data Interception and Retention at the Gateway Level
- Mutual Assistance
- Public Awareness

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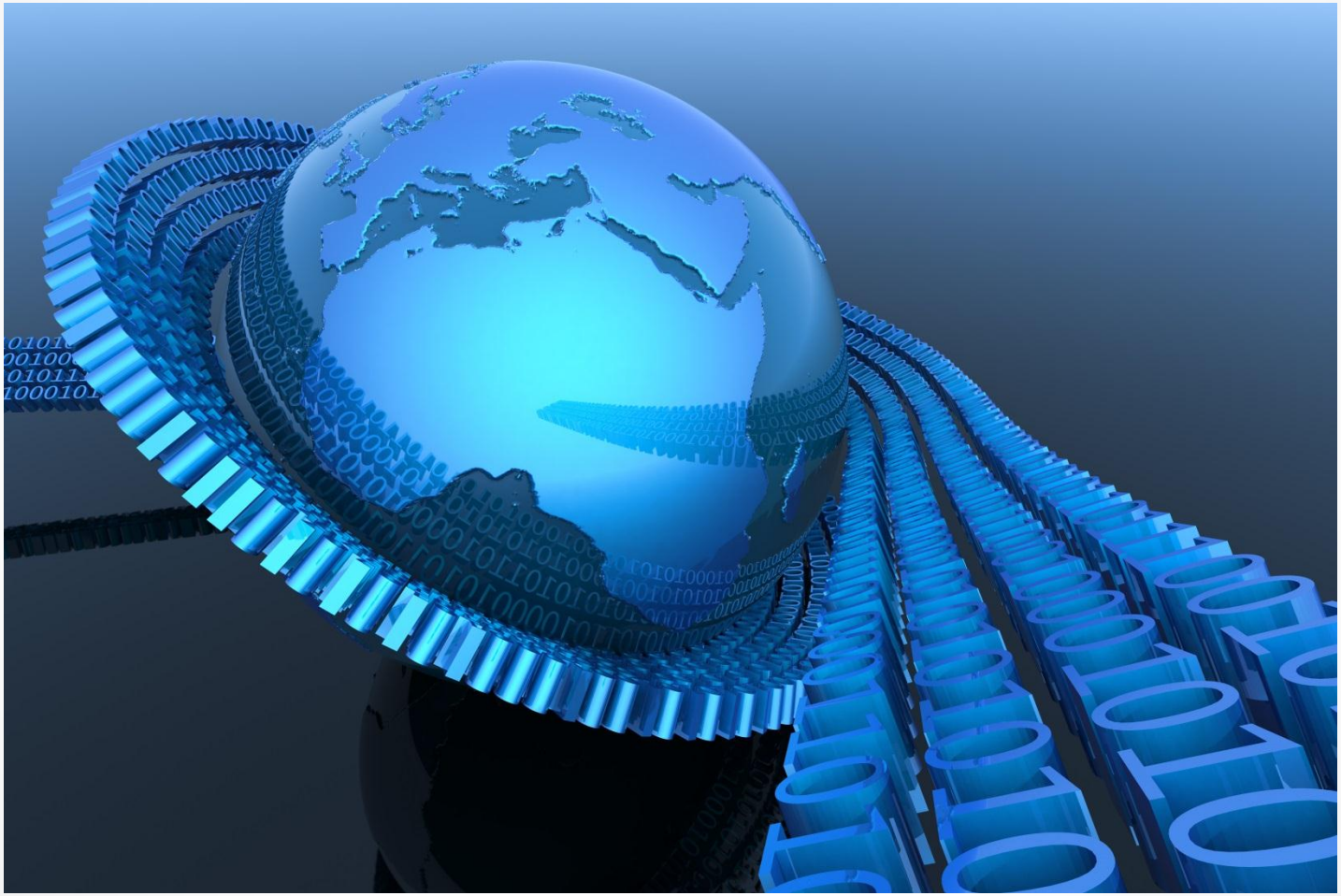
Part 2

Overview of the National Cybersecurity Initiatives



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National Cybersecurity Initiatives

- National Information and Communication Technology Strategic Plan 2007-2011

- In 2011 the NICTSP 2007-11 was succeeded by the second National ICT Strategic Plan 2011-2014.Reviewed plan aimed to engender a secure and resilient ICT environment

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National Cybersecurity Initiatives

- Currently a new Strategic Plan 2015-2020 is being developed to realise the vision of the government to make Mauritius a smart island.

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National Cybersecurity Initiatives

- Setting up of a Mauritian CERT in 2008 (CERT is affiliated to FIRST)
- PKI Ecosystem already setup including CCA, CA
- Implement the recommendations of the Anti-Spam Action Plan and legislation
- Development of a Child Safety Action Plan and legislation
- Organization of Regional Information Security Event

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National Cybersecurity Initiatives (contd..)

- Promote the adoption of information security standards at the national level
- Setting up of a local chapters of international professional information security associations in Mauritius (ISACA local chapter is operational since 2010)
- National Information Security Awareness programme and Capacity building

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National Cybersecurity Strategy

- Mauritius developed a Comprehensive National Cybersecurity Strategy in 2015.
- The strategy has been approved by the Government in 2014.
- The strategy is categorized into 4 main goals and 28 action plans. The strategy implementation will be done over a period of five years (2014-2019).

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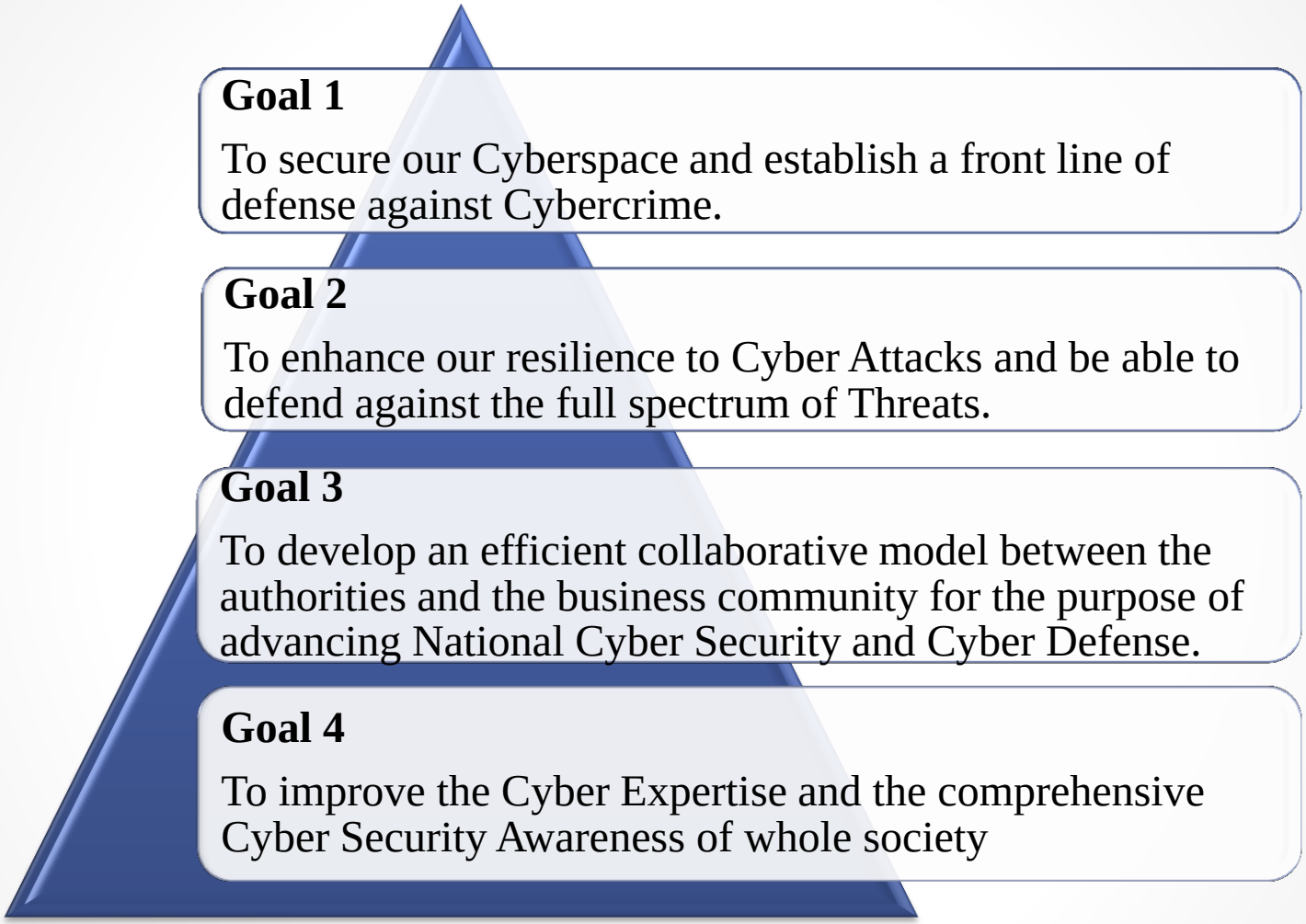
Strategic Goals of the New Cybersecurity Strategy



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Action Plan – Goal 1

Project Code	Project Name
GOAL 1: TO SECURE OUR CYBERSPACE AND ESTABLISH A FRONT LINE OF DEFENSE AGAINST CYBER CRIME	
CS1P1	Setting up of a Cyber Threat Monitoring System
CS1P2	Setting up of a content filtering system to block illicit materials on ICT devices
CS1P3	Establish a mechanism for the removal of illegal contents
CS1P4	Conducting Cyber Security Drills
CS1P5	Enhance Law Enforcement capability on cybersecurity
CS1P6	International and Regional Cooperation on cybercrime
CS1P7	Enhance the security of cyberspace
CS1P8	Legal Framework Assessment

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Action Plan – Goal 2

GOAL 2: TO ENHANCE OUR RESILIENCE TO CYBER ATTACKS AND BE ABLE TO DEFEND AGAINST THE FULL SPECTRUM OF THREATS	
CS2P1	Develop and Implement a CIIP Framework
CS2P2	Development and Implementation of a Cyber Crisis Management Plan
CS2P3	Provision for Fiscal Schemes and Incentives
CS2P4	Creation of a national test-bed for network security
CS2P5	Adoption of a Cyber Security Controls Scheme for protection against cyber threats

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Action Plan – Goal 3

GOAL 3: DEVELOP AN EFFICIENT COLLABORATIVE MODEL BETWEEN THE AUTHORITIES AND THE BUSINESS COMMUNITY FOR THE PURPOSE OF ADVANCING CYBER SECURITY	
CS3P1	Promote Information Risk Management at National level
CS3P2	Promote the universal adoption of Information Security standards at National level
CS3P3	Promote Secure software Development
CS3P4	Promote the designation of a Senior Information Security Personnel (CISO, IS Consultants, Information Security Experts) within organisations
CS3P5	Promote the implementation of Information Security Standards in the Civil Service
CS3P6	To promote e-Government initiatives and ensure conformance to security best practices
CS3P7	Adoption of guidelines for procurement of ICT products
CS3P8	Conducting mandatory Information Security Audit
CS3P9	Collaboration with industry for research and development
CS3P10	To establish a collaborative framework with vendors and service providers to improve the visibility of the integrity of ICT products and testing and validating the security of such products.

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Action Plan – Goal 4

GOAL 4: TO IMPROVE THE CYBER EXPERTISE AND THE COMPREHENSIVE CYBER SECURITY EDUCATION & AWARENESS OF ALL SOCIETAL ACTORS	
CS4P1	Promote security certifications and trainings from renowned International organisations
CS4P2	Establish cyber security training programmes for SMEs
CS4P3	Cyber Security Education
CS4P4	Cyber Security Awareness in Civil Service
CS4P5	Organisation of International Cyber Security annual events

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Thank You for your attention

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