CERT-MU
Computer Emergency Response Team of Mauritius

www.cert-mu.org.mu

Child Online Safety Action Plan-Initiatives

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National Computer Board

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Set-Up in May 2008, a division of the National Computer Board, operating under the umbrella of the Ministry of Technology, Communication & Innovation

CERT-MU Mission

To provide information and assistance to its constituents in implementing proactive measures to reduce the risks of information security incidents as well as responding to such incidents as and when they occur.
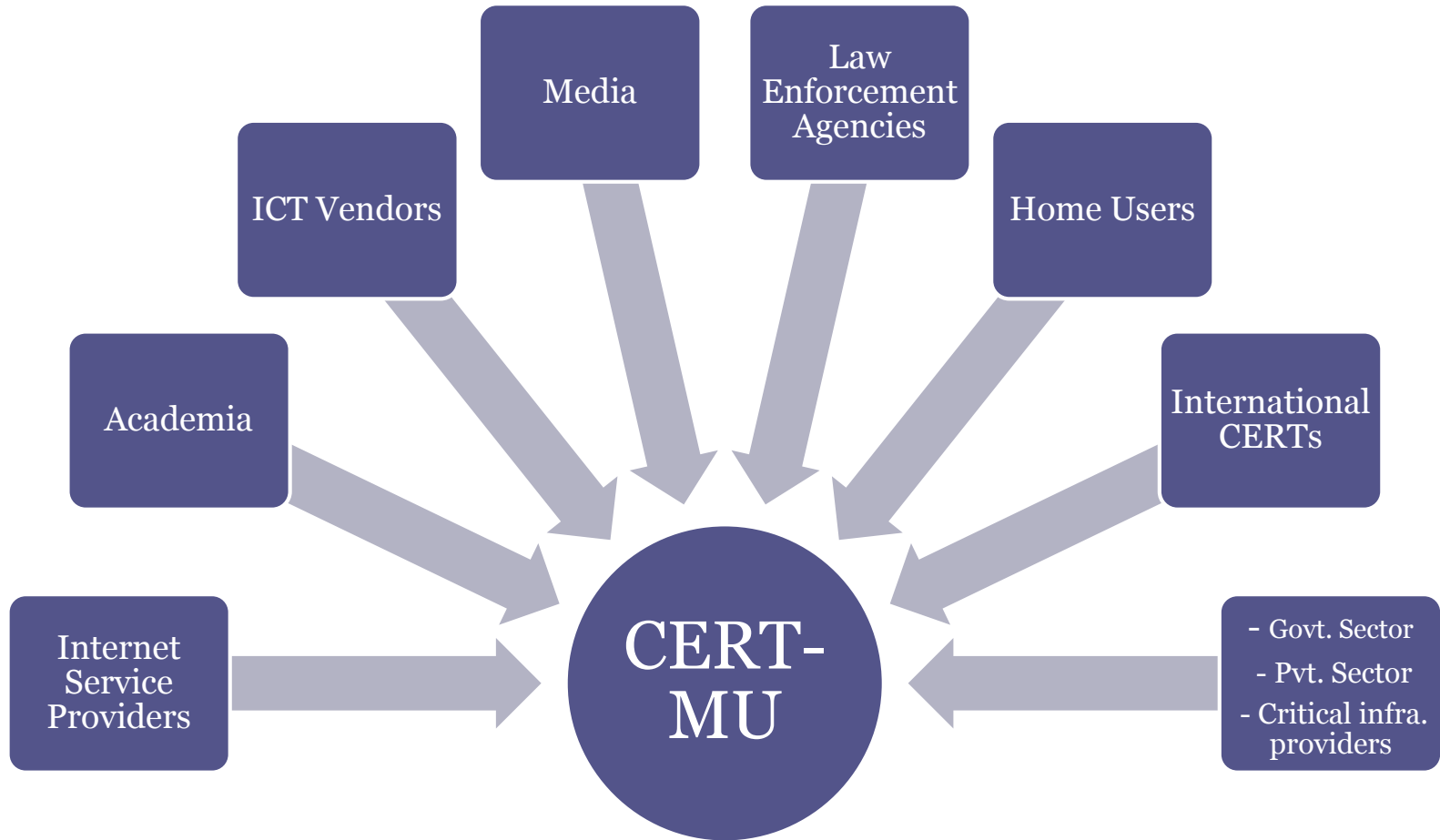
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CERT-MU Services

- Incident Response and Coordination

- Vulnerability Scanning and Assessment

- Assistance in the Implementation of ISO 27001

- Information Security Audits

- Information Security Awareness
    - Technology Workshops
    - Capacity Building
    - Awareness Session Campaigns on Child Online Safety

- Issuance of Security Alerts
    - Advisories & Vulnerability Notes
    - Virus Alerts
    - Information Security News

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CERT-MU Constituency

Media

Law Enforcement Agencies

ICT Vendors

Home Users

Academia

International CERTs

Internet Service Providers

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- Govt. Sector
- Pvt. Sector
- Critical infra. providers

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Child Online Safety

Child Online Safety Action Plan

Endorsed by the Mauritian Government in January 2009 - Led by the CERT-MU

24 projects being implemented by different stakeholders:

- Ministry of Gender Equality Child Development & Family Welfare
- Information Communication Technology Authority (ICTA)
- Child Development Unit

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Child Online Safety Action Plan

■ **Sensitization Campaigns on Child Online Safety**

  ■ Primary & Secondary School Students (>20k)

  ■ Primary & Secondary School ICT Teachers (>300k)

  ■ (Pop - MU Fb accs – Youngsters)

  ■ Women Welfare Centres (Housewives)

  ■ Empowering Parents

  ■ Programmes on National TV

  ■ Programmes on Radios (Multi Language)

  ■ Cyber Security Portal for Parents, Kids & Home Users (cybersecurity.ncb.mu)

  ■ Guidelines on Online Safety for youngsters

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Child Online Safety Action Plan

- **Safer Internet Day (yearly event)**
  - Workshop regrouping students from different parts of the country
  - Presentations by high profile speakers on the burning theme of Child Online Security
  - Motivating Youngsters to Participate - Online Quiz on COP latest
  - Posters, Brochures, Flyers distribution
  - Kick Starts the Sensitization Campaigns for Youngsters and Teachers

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Child Online Safety Action Plan

- Schoolnet Project – by Government Online Center (Gov Data Center)

- Schools and Colleges are connected to the internet through the GINS (Government Information Network)

- Ensures that Mauritian students have access to suitable and protected contents.
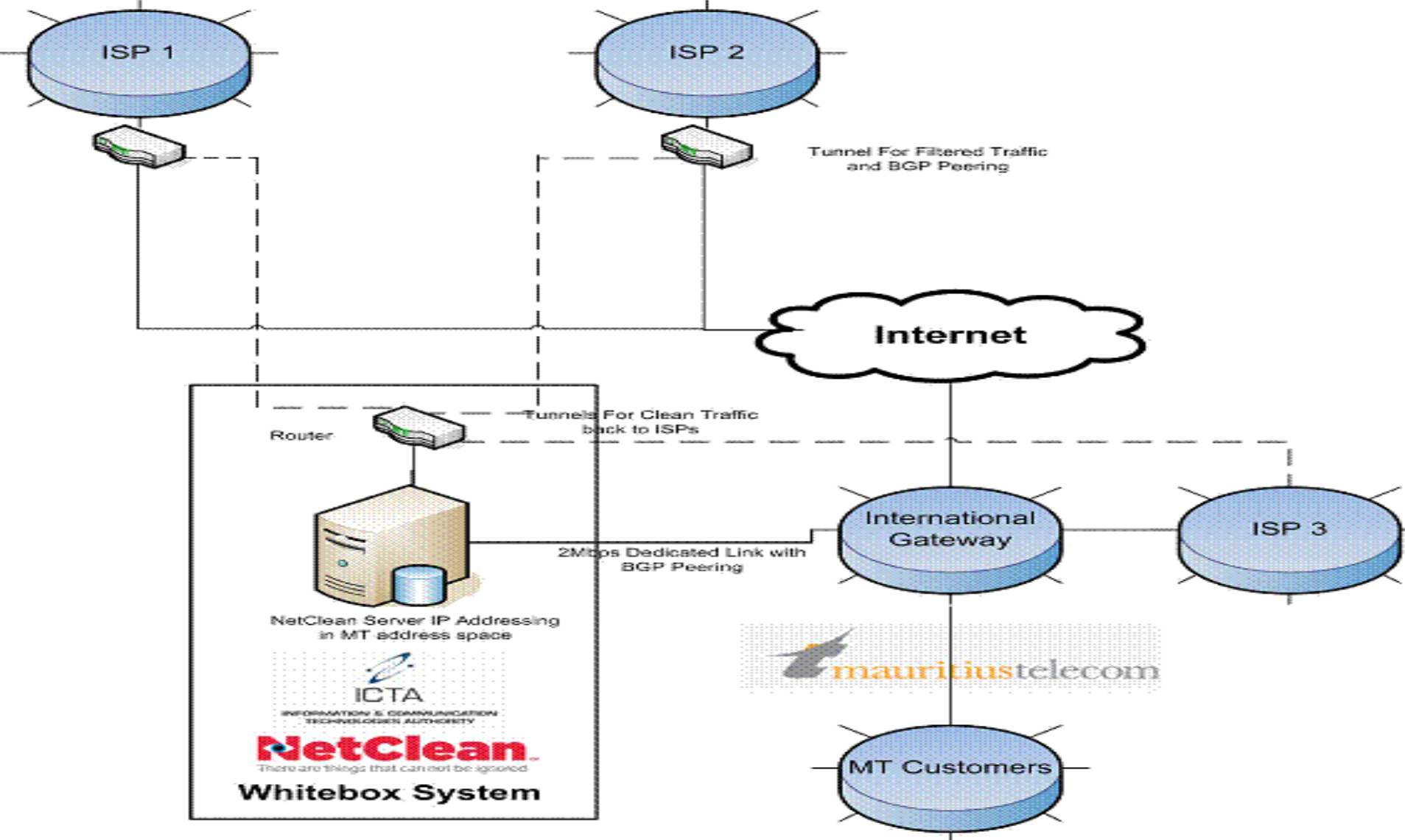
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Child Online Safety Action Plan

Child Sexual Abuse (CSA) Online Content Filtering System by the ICT Authority

- Filters access to child sexual abuse sites for Internet users in Mauritius.

- Reduces the availability and circulation of child abuse images in Mauritius - and limit the trauma experienced by victims' when their images circulate on the Internet.

- Protects against accidental viewing, giving people in Mauritius, the confidence in the Internet they deserve.

ISP 1

ISP 2

Tunnel For Filtered Traffic
and BGP Peering

Internet

Router

Tunnels For Clean Traffic
back to ISPs

International
Gateway

ISP 3

2Mbps Dedicated Link with
BGP Peering

NetClean Server IP Addressing
in MT address space

ICTA
INFORMATION & COMMUNICATION
TECHNOLOGIES AUTHORITY

NetClean.
There are things that can not be ignored

Whitebox System

mauritiustelecom

MT Customers

**NetClean Whitebox CSA Web Site
Filtering System for Mauritius
installed at ICTA Premises**

Child Protection ACT

Being amended at the level of Ministry of Gender Equality Child Development & Family Welfare

to include the **Child Online Protection Provision** within the same bill worked out by CERT-MU

Child Protection Act

- s. 14(1)(a) – Causing, inciting or allowing child to be sexually abused

- **<u>Penalty</u>**: Any person who commits an offence under section 14 is, on conviction, liable –

- (a) where the victim is mentally handicapped, to penal servitude for a term not exceeding 30 years;

- (b) in any other case, to a fine not exceeding 100,000 rupees and to penal servitude for a term not exceeding 20 years.

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Reporting Child Online Safety Incidents

- ## Types
  - Hacked Accounts
  - Fake Accounts/Identity Theft
  - Cyber Bullying
  - Sexting Cases
  - Sextortion * (victims, attackers)

  - For Legal Assistance - Cybercrime Unit of the Mauritius Police Force - Interpol
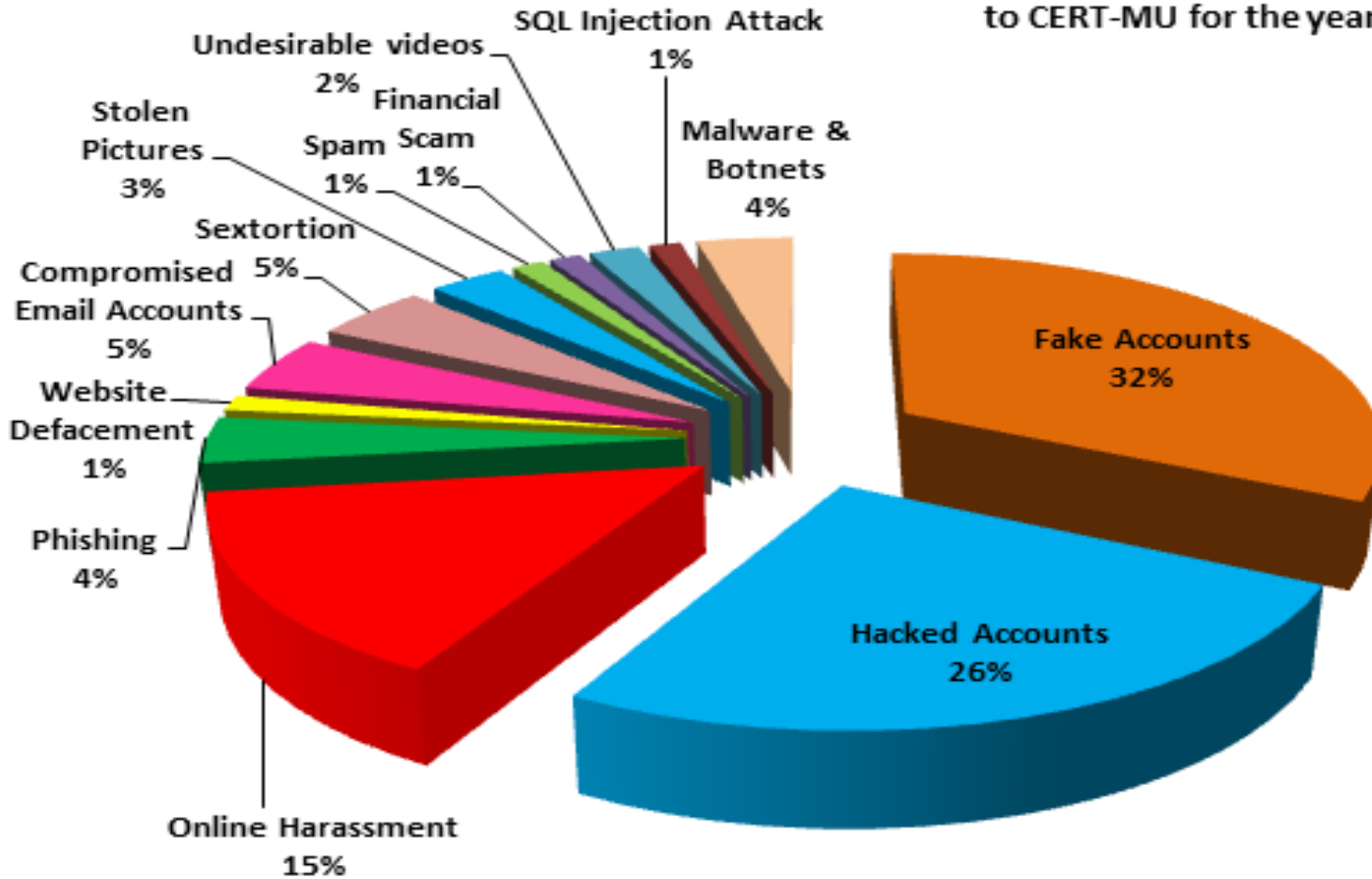
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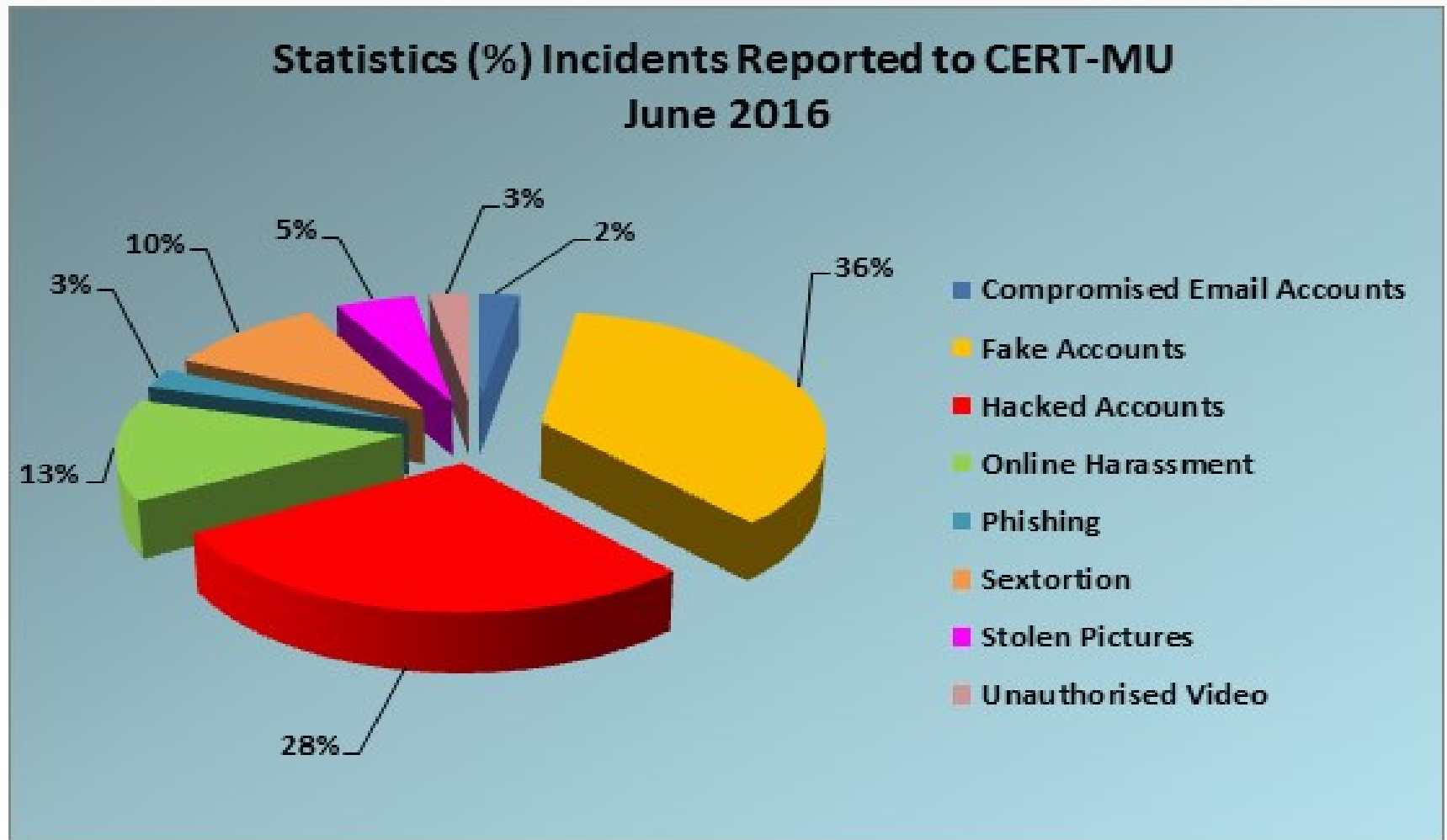# Reporting Child Online Safety Incidents

- **International Collaboration/Affiliations**
  - FIRST – Forum of Incident & Response Security Teams
  - Worldwide CERTs
  - Facebook
  - Google
  - Microsoft
  - Registrars & ISPs

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CERT-MU Incident Stats Year 2015

Statistics Incidents Reported to CERT-MU for the year 2015

- SQL Injection Attack 1%
- Undesirable videos 2%
- Financial Scam 1%
- Spam 1%
- Stolen Pictures 3%
- Sextortion 5%
- Compromised Email Accounts 5%
- Website Defacement 1%
- Phishing 4%
- Malware & Botnets 4%
- Fake Accounts 32%
- Hacked Accounts 26%
- Online Harassment 15%

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CERT-MU Incident Stats June 2016

Statistics (%) Incidents Reported to CERT-MU
June 2016

- Compromised Email Accounts
- Fake Accounts
- Hacked Accounts
- Online Harassment
- Phishing
- Sextortion
- Stolen Pictures
- Unauthorised Video

3% 5% 2%
10%
3%   36%
13%
28%

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Information and Communication Technologies Act 2001

- S. 46 (a) (i) Any person who uses an information and communication service, including telecommunication service for the transmission or reception of a message which is <u>grossly offensive</u>, or of an <u>indecent</u>, <u>obscene</u> or <u>menacing</u> character

- **<u>Penalty</u>**: Fine up to 1 million rupees and imprisonment up to 5 years

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Computer Misuse and Cybercrime Act 2003

- s.3 – Unauthorised access to computer data (e.g. hacking)

- **Penalty**: fine up to 50,000 rupees and penal servitude up to 5 years

- s.8 Unauthorised disclosure of password (e.g. for unlawful access to cause prejudice to someone)

- **Penalty** : fine up to 50,000 rupees and penal servitude up to 5 years.

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Mauritian Strategy/Policy - by CERT-MU

- Critical Information Infrastructure Protection (CIIP)
- Cybercrime Strategy
- Cybersecurity Strategy

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Cyber Security Strategy

- Driven by CERT-MU

- Endorsed by Government in October 2014

- To enhance the cyber threat preparedness of Mauritius and managing the disturbances caused by these threats

- 28 projects being implemented

- Cyber Security Education

   To inculcate cybersecurity in the curriculum of the

   education starting with the tertiary education

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