

# ITU Annual Regional Workshop

## Theme Strengthening Capacities in Internet Governance

National Cybersecurity Management - A Collaborative Approach

28<sup>th</sup> August 2018

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# CONTENT

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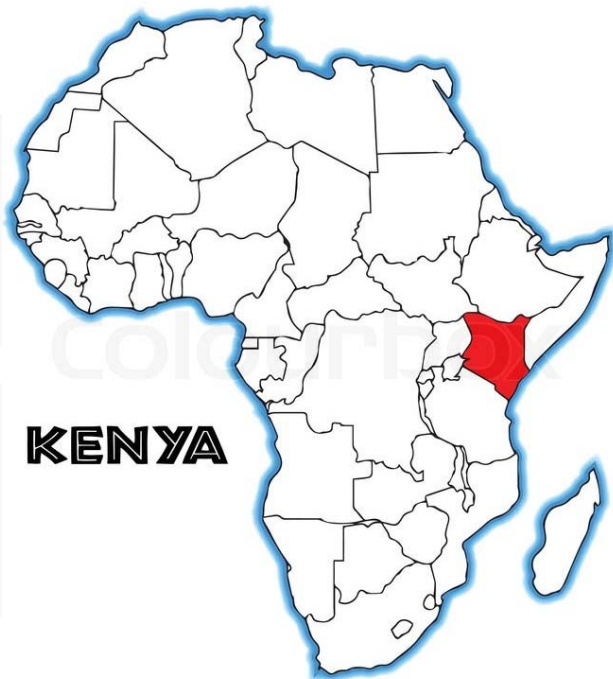


- 1) Introduction: Kenya's ICT Profile
- 2) National Cybersecurity Framework
- 3) National Cyber Threat Landscape
- 4) Collaboration: A Whole-of-Society Approach

# INTRODUCTION

## Kenya's ICT Profile

## Introduction: Kenya's ICT Profile



Indicator	No.
Population	48M
Land Mass	580,367km <sup>2</sup>
Mobile Subscriptions	42.8M
Mobile Penetration	94.3%
Internet Users	33.4M
Internet Penetration	-
Value of Mobile Commerce (Monthly)	~\$4B
P2P Mobile Money Transfer (Monthly)	~\$2B
Contribution to GDP	~10%

# NATIONAL CYBERSECURITY FRAMEWORK

Policy + Governance + Operations

## National Cybersecurity: Policy Framework



VISION 2030

National [Security + ICT] Policies

National Cyber Security Strategy

Computer Misuse & Cybercrimes Act 2018  
&  
Kenya Information & Communications Act

NATIONAL CYBERSECURITY  
CENTRE  
(NCC)

National KE-CIRT/CC

Law Enforcement

## National Cybersecurity: Governance Framework



**NATIONAL SECURITY COUNCIL (NSC)**

[Chaired by the President]

National Computer & Cyber Crimes Coordination Committee  
(NC4)

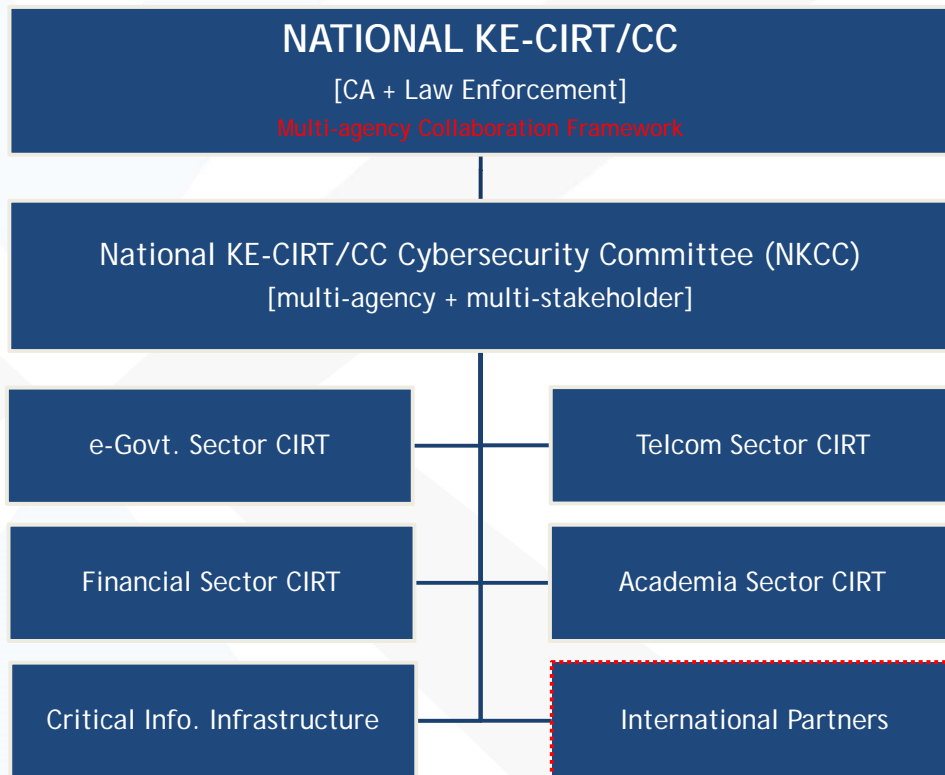
[Chaired by Cabinet Secretary, Interior+ICT]

**National KE-CIRT/CC**

[Multi-agency Collaboration]

CA + Law Enforcement + Legal + Financial

## National Cybersecurity: Operational Framework





## National KE-CIRT/CC: Vision & Mandate



### VISION

Provision of comprehensive cybersecurity services to protect the Nation's cyberspace in order to promote access to and use of Information and Communication services in Kenya

### MISSION

Responding to cybersecurity incidences in a timely fashion and building a national culture of cybersecurity

### LAW

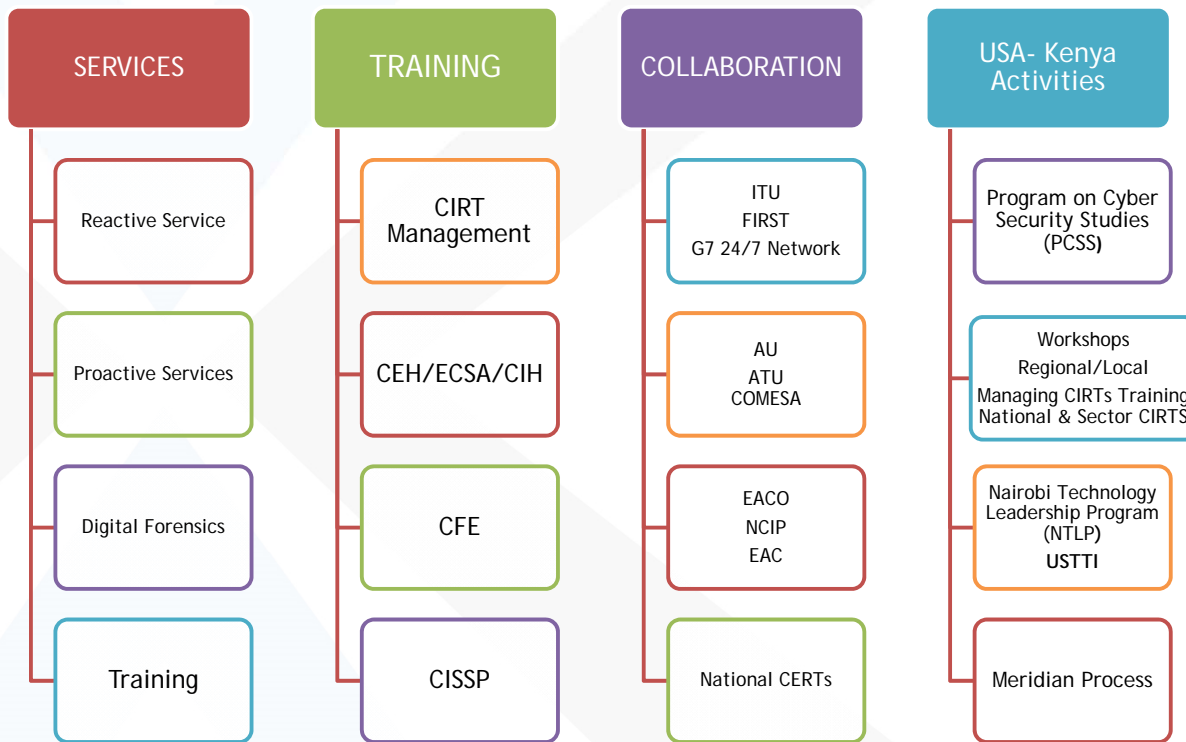
Kenya Information & Communications Act

+

Computer Misuse & Cyber Crime Act 2018



# National KE-CIRT/CC: Overview



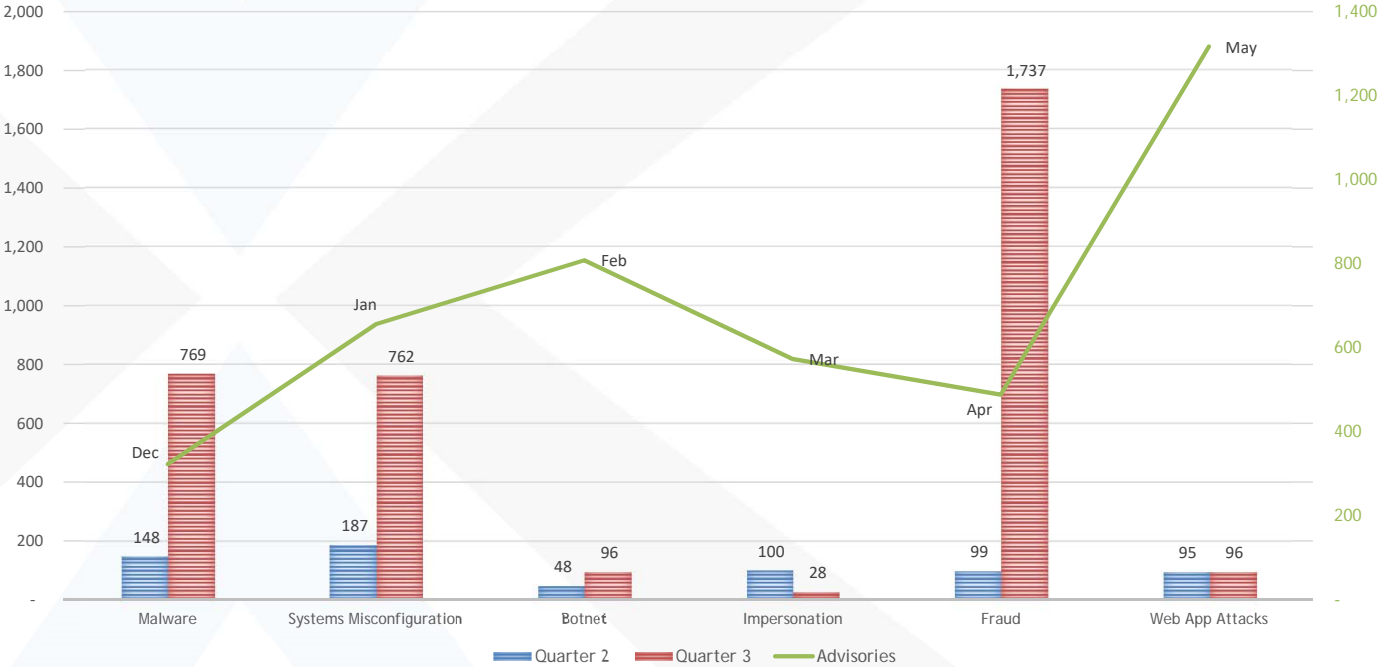
# NATIONAL CYBER THREAT LANDSCAPE

[Statistics + Attack Vectors]

# National Cyber Threat Landscape



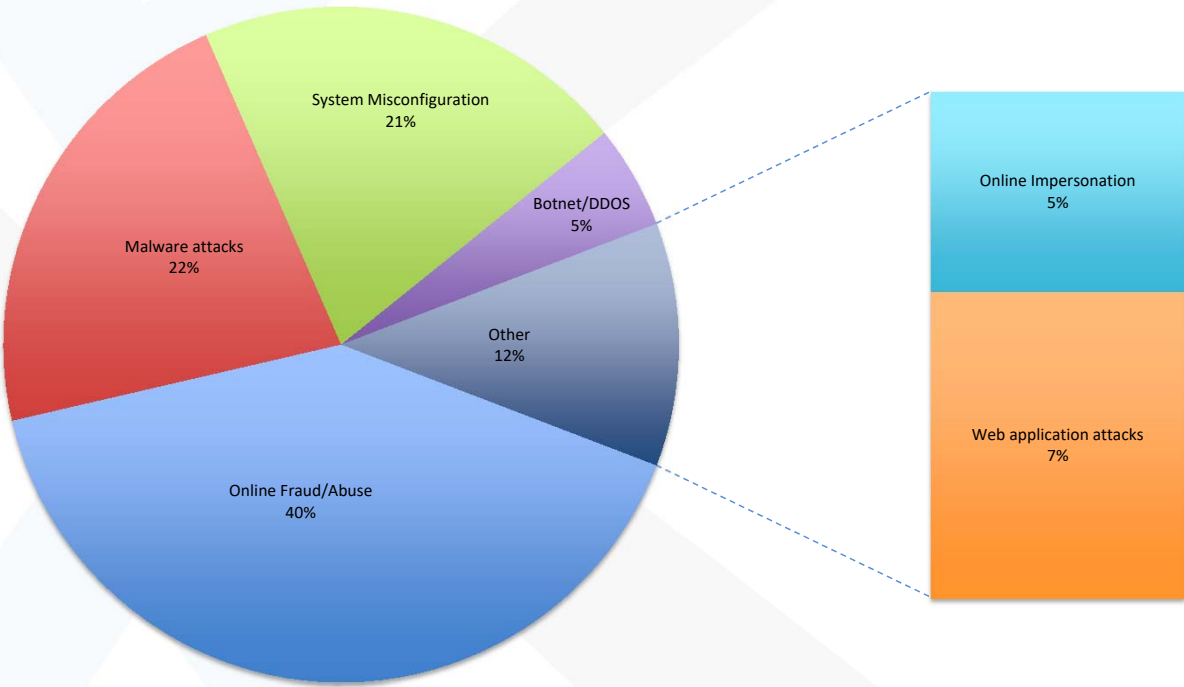
## NATIONAL CYBER THREATS & ADVISORIES



# National Cyber Threat Landscape



CYBER THREAT ATTACK VECTORS



**“But we cannot confront cyber crime on our own.**

Borders and boundaries pose no obstacles for hackers. But they continue to pose obstacles for global law enforcement, with conflicting laws, different priorities, and diverse criminal justice systems. **With each passing day, the need for a collective approach - for true collaboration and timely information sharing - becomes more pressing.”**

Robert S. Mueller, III  
FBI Director  
2012 RSA Conference



תודה  
Dankie Gracias  
Спасибо شكراً  
Merci Takk  
Köszönjük Terima kasih  
Grazie Dziękujemy Děkojame  
Ďakujeme Vielen Dank Paldies  
Kiitos Täname teid 谢谢  
**Thank You** Tak  
感謝您 Obrigado Teşekkür Ederiz  
Σας ευχαριστούμε 감사합니다  
Bedankt Дěkujeme vám  
ありがとうございます  
Tack