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SECOND QUARTER CYBERSECURITY SECTOR STATISTICS REPORT FOR THE FINANCIAL YEAR 2019/2020 (OCTOBER - DECEMBER 2019)

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LIST OF ACRONYMS

DDoS - Distributed Denial-of-Service
KE-CIRT/CC - National Kenya Computer Incident Response Team/Coordination Centre

1   NATIONAL CYBER THREAT LANDSCAPE

1.1   Cyber Threats Statistics

The National KE-CIRT/CC has deployed various cyber threat detection systems towards enhancing Kenya's national cyber security readiness and resilience. During the period October – December 2019, the National KE-CIRT/CC detected 37.1 million cyber threat events as compared to 25.2 million cyber threat events detected in the period July – September 2019. This was a 47.3% increase as compared to the previous quarter which is attributed to an exponentially high number of malware threats detected, as demonstrated by increased number of cyber threat advisories issued during the quarter.

Table 1: Cyber Threats Detected

Cyber Threat	Oct-Dec19	Jul-Sep 19	Quarterly Variation (%)
Totals	**37,133,200**	**25,211,269**	**47.2**
Malware	34,854,959	20,540,231	69.7
DDOS/Botnet	346,704	573,421	-39.5
Web Application Attacks	1,908,001	4,069,671	-53.1
System vulnerabilities	23,536	27,946	-15.8

Source: National KE-CIRT/CC

As the trusted national point of contact on cyber security matters, the National KE-CIRT/CC analyzed the cyber threat events and issued cyber threat advisories to the affected critical information infrastructure service providers. During the quarter under review, the National KE- CIRT/CC issued 16,637 advisories, which is a 2.8% decrease from the 17,127 advisories sent out in the previous period of July – September 2019.

Table 2: Cyber Threats Advisories

Cyber Threat Advisories	Oct-Dec19	Apr-Jun 19	Quarterly Variation (%)
Totals	**16,637**	**17,127**	**-2.9**
Malware	1,601	2,160	-25.9
Botnet	943	318	214.8
Web Application Attacks	45	291	-84.5
System Vulnerabilities	13,815	13,897	-0.59
Others	233	461	-49.5

Source: National KE-CIRT/CC