

Vietnam Computer Emergency Response Team - VNCERT

# **Vietnam Computer Emergency Response Team report**

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Director General**

# Outline

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- **Internet abundance**
- **Security situation**
- **VNCERT activity**

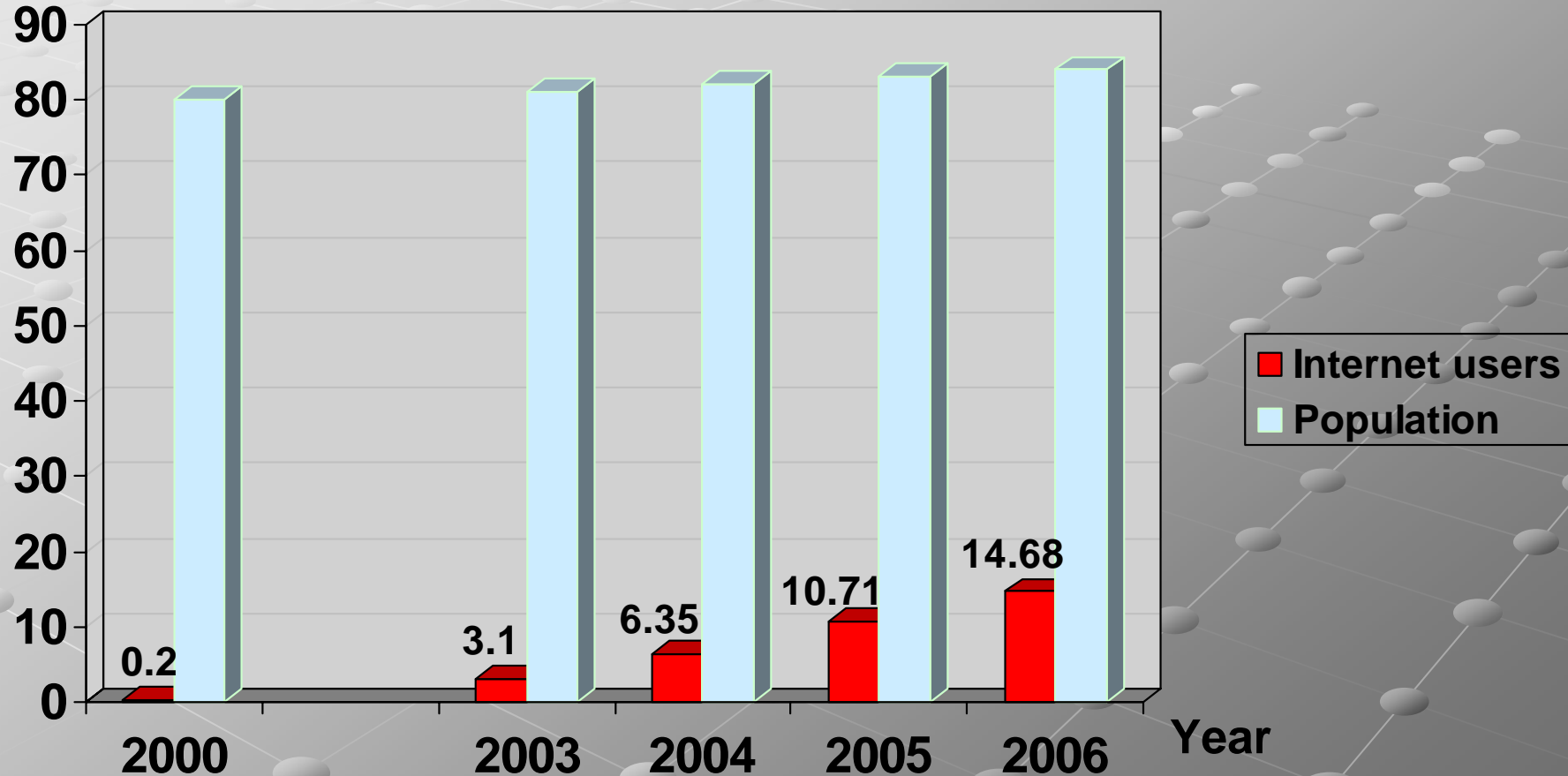
# **I. Internet abundance in Viet Nam**

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- **Fast-growing Internet Usage**
- **Some statistics**
- **Trends in near future**

# Fast-growing Internet Usage

Million

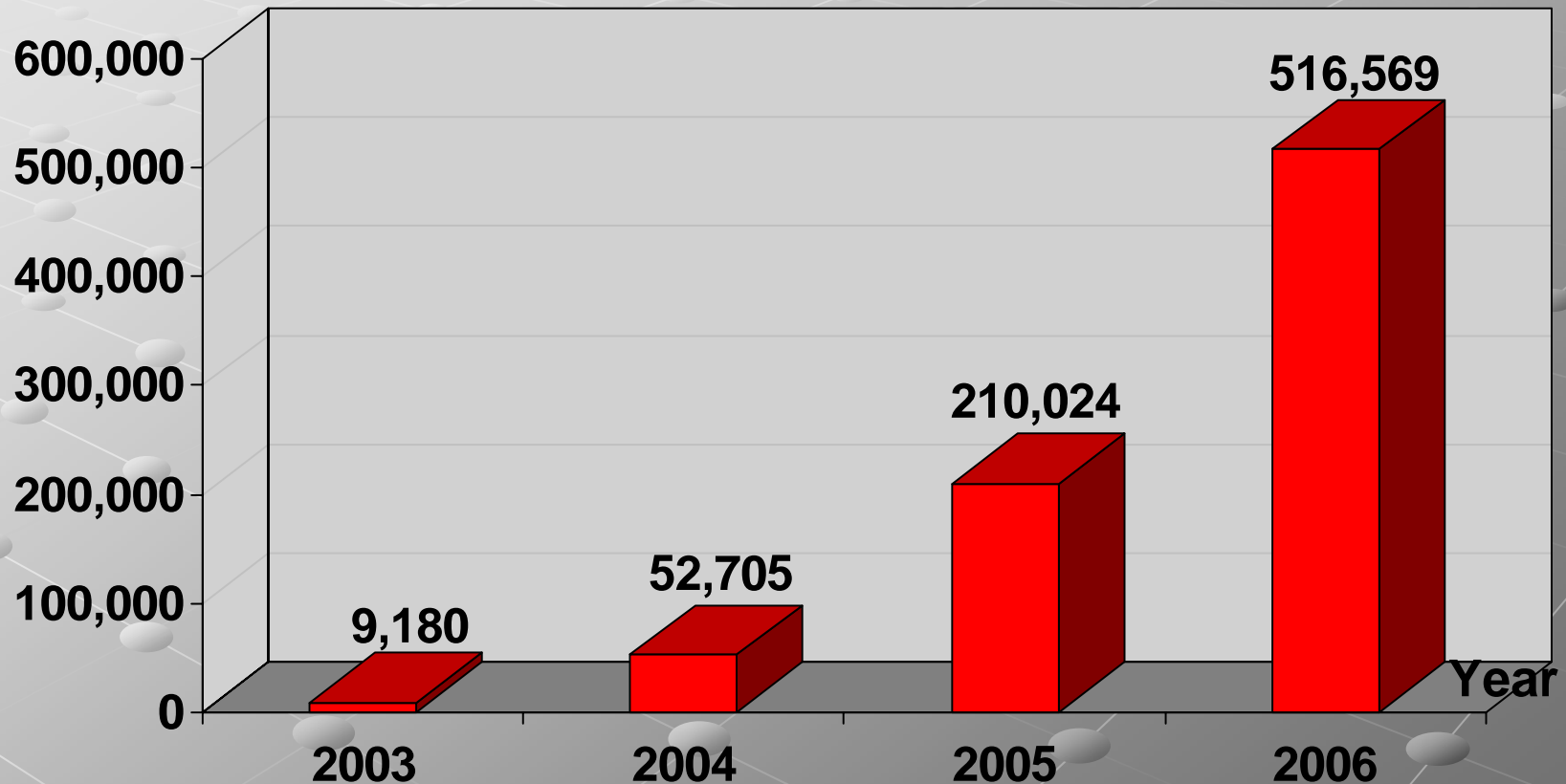


Internet eXchange service Providers: 4  
Internet access Service providers: 21  
Internet Online Service Providers: 19

# Fast-growing Internet Usage

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## High speed Internet subscribers



# Some statistics

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## Internet Usage Statistic (12/2006)

<b>Number of convert subscribers</b>	<b>4.059.392</b>
<b>Internet Users</b>	<b>14.683.783</b>
<b>Penetration Ratio</b>	<b>17.67 %</b>
<b>Total Internet bandwidth</b>	<b>7.076 Mbps</b>
<b>Total flow volume exchanged by VNIX (IPX)</b>	<b>6.011.634 Gbytes</b>
<b>Total number of .vn domains</b>	<b>34.924</b>
<b>Total number IP addresses issued</b>	<b>1.862.400</b>
<b>Number of high speed internet subscribers</b>	<b>516.569</b>

# Trends in near future

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- New technologies:

*Broadband, Wireless and Wimax,  
NGN, IP-Phone, IP-TV...*

*Convergent services*

- E-Government

- E-Business

# II. Internet security situation

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## ● Network security Incidents

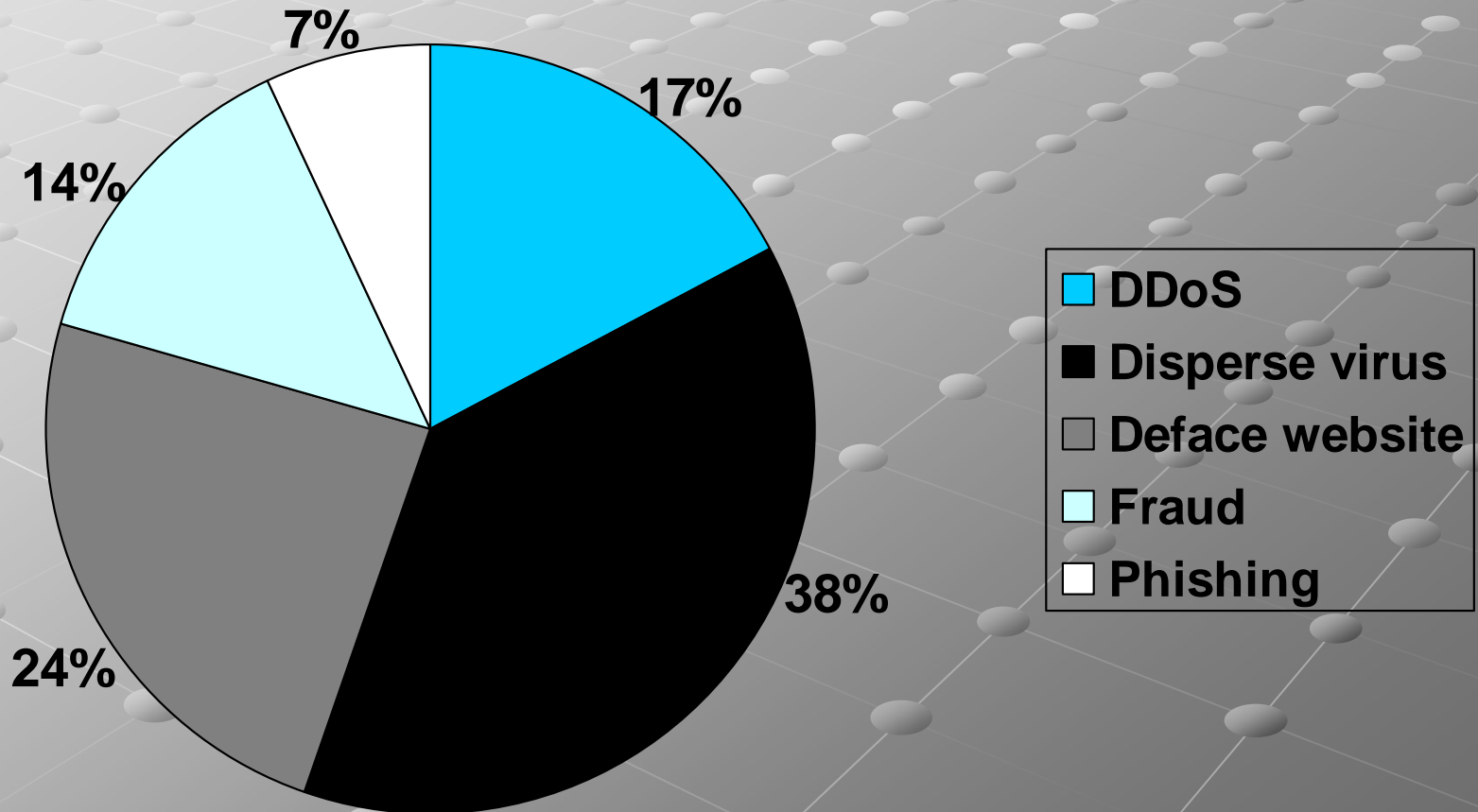
- Attack incidents: virus, web hacking, DoS & Ddos attack, spam...
- Computer crimes: ATM & credit cards theft, Mobile phone account robbery, Attack to competitive company, Slander
- Trends: statistics follow the common rule in the developed countries.

## ● Network security environment

- Information Security Services
- Changes in legal environment

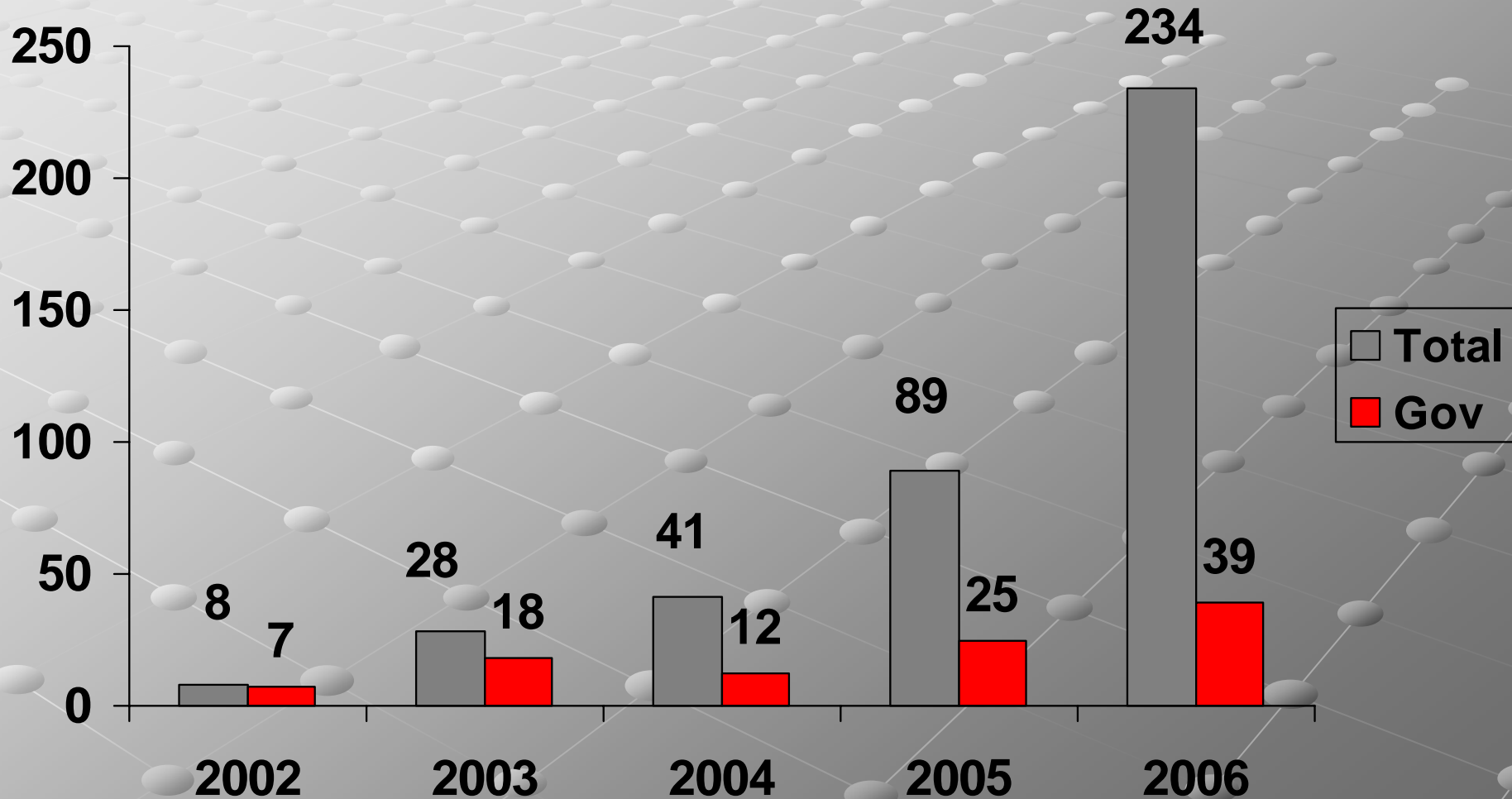
# Network security incidents

- **Serious reported incidents: 29**
- **Types of serious incidents**



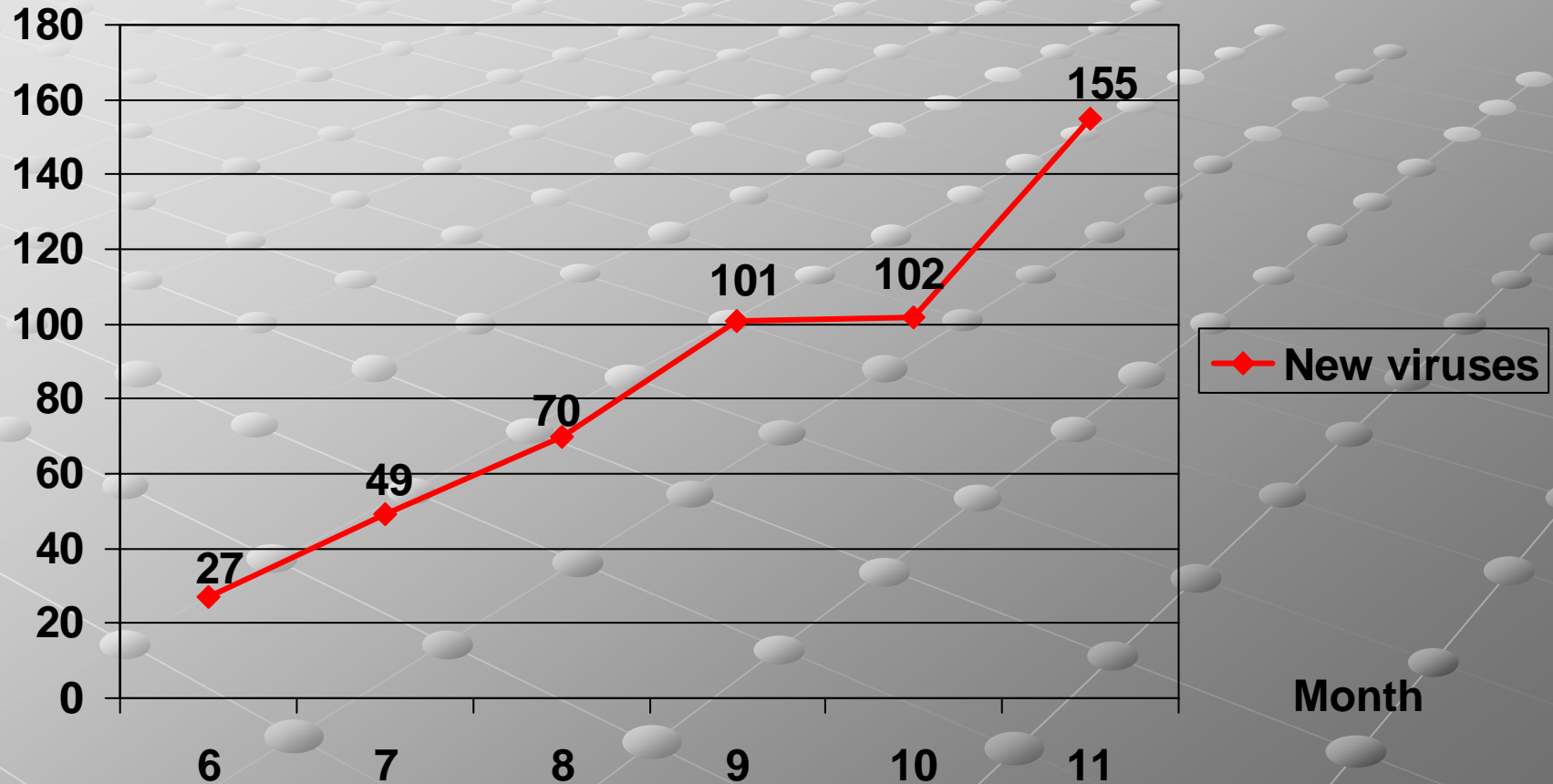
# Attacks from overseas

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# Computer virus booming

New viruses appear in 6-11/2006



# Changes in legal environment

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- **Electronic Transaction Law** had been passed by the National Assembly on 29/11/2005. This Law regulates electronic transactions within government agencies, civil and business activities.
- **Law on Information Technology** were promulgated at 9th Session of the National Assembly's Legislature XI on 29 June 2006, became effective from 1st January 2007.
- A series of Decrees for both these laws is continuing to be promulgated.
- To consider **update changes to Civil Code of Vietnam** concerning information security.
- Some directives on network security are preparing

# III. VNCERT activity

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## VIETNAM COMPUTER EMERGENCY RESPONSE TEAM

*Decision No. 339/2005/QD-TTg of December 20, 2005 establishing Vietnam Computer Emergency Response Teams as the legitimate body directly under Vietnam Ministry of Posts and Telematics*

- VNCERT is established to marking a turning point in the national management of computer security incident responses.
- VNCERT Missions:
  - Be the national coordinations center, national POC
  - Do some government administrative functions
  - Make role of a public network security service center

# Activities

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- Coordinating all ISP to mitigate the wide spread malicious code over all Viet Nam.
- Building cooperation framework with ISPs and other organizations
- Deploy website [www.vncert.gov.vn](http://www.vncert.gov.vn).
- Designed the incident alert database with a user interface integrated with VNCERT's website.
- Acting as focal point of cooperation to protect Vietnam's cyberspace.
- Inter cooperation – being a member of APCERT from.
- Participated in ASEAN drill and APCERT drill.
- Helping to resolve some request from oversea organizations to prevent local sources of incidents (malware site, phishing pages ...)

# Towards to future

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- **Standard building**
  - *Information security management system*
  - *Information security management implementation*
- **Making policies on information security field**
- **Establishing national strategy to secure cyberspace**
- **Organising cyber security training courses and drills.**
- **Establishing communication channels for receiving and providing national network security alerts (web/hotline/fax)**
- **Deploying of the Incident Information Automatic Collection System**
- **Promoting CERT/CSIRT network establishment in the country.**

# Towards to future

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- Hosting a ITU International (Asia-regional) workshop on cybersecurity Aug 2007 in Ha Noi.
- International cooperation and colaboration
  - ASIAN
  - Asia-Pacific: APCERT
  - World-wide: National CSIRT meeting
  - Bilateral: **We wish, we need and be ready to cooperate with all CERT teams**

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# Thank You for attention!

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