

Building a Harmonious, Orderly and Healthy Network Security Environment through Stronger Ties and Accelerated Development

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Since the implementation of the policy of reform and opening to the outside world, China has seen rapid growth and undergone significant changes in the information and communications industry. So far, the number of telephone subscribers in China has reached 700 million, ranking first in the world by the capacity of telephone networks and subscriber base. The number of fixed-line telephone subscribers has amounted to 337 million, while that of mobile subscribers has climbed to 363 million. The penetration rate of fixed-line telephone and mobile phone has increased to 26% and 28% respectively. The

number of Internet users has topped 100 million, ranking second in the world. Currently, tens of thousands of households are enjoying telephone and the Internet services. Even in the Qinghai-Tibet Plateau, which is known as “Roof of the World”, people can benefit from the convenience of communication brought about by the modern communications technology.

In the course of the information and communications development, network security is always of concern to people in all walks of life. While devoting to the development of the Internet, the Chinese Government attaches great importance to network security. For example, progress has been achieved in strengthening network security event supervision and coordination, carrying out research into network security technology, accelerating the establishment of the network security emergency response system. Meanwhile, ties and cooperation with international organizations become increasingly closer. It plays a pivotal role in maintaining effective network security in China to establish an open and effective

emergency response system for network security.

I. FULL AWARENESS OF THE SIGNIFICANCE OF NETWORK SECURITY IS PREREQUISITE TO ENSURING NETWORK SECURITY AND PROMOTING THE HEALTHY DEVELOPMENT OF THE INTERNET

At present, economy and society need harmonious development in the world, and so is the Internet, which is closely related to people's work and lives. This has become consensus between various countries. To achieve the healthy development of the Internet, on the one hand, we should press ahead with communications infrastructure, and promote the wide application of information technology and the exploitation and utilization of information resources to meet increasing demand on all sides. On the other hand, we should take effective measures to address network security issues and keep improving prevention and protection capability to build a secure network application environment that ensures public confidence. It is our common challenge in the 21st century to promote security with development and safeguard security with development by combining the two aspects.

The Internet has seen rapid development in China over the past more than ten years. However, network security problems are looming large. For example, system security loopholes emerge from time to time, and worm and hacker attacks occur frequently. Apart from personal computers, computer systems that are attacked include systems of important sectors such as the government, research, financial services, and social security. Thus, these attacks are posing an enormous threat to the national and public interest, and the legal rights and interests of the public. How to guarantee network security has become the focus of attention for the state and society.

Characterized by openness and interaction, the Internet is prone to be attacked and faces many security threats. As economic globalization and information networks gain momentum, people rely increasingly on the Internet in their daily work and lives. Therefore, the negative effect of network security problems becomes increasingly conspicuous.

Network security is an important part of national security and a major aspect of the non-traditional security factor. Without security, there will be no development. Therefore, we should heighten the awareness of network security and pay great attention to network security as well as the development of networks, so as to facilitate the harmonious, orderly, and healthy development of the Internet.

II. ENHANCING TECHNOLOGY CAPABILITY IS KEY TO ENSURING NETWORK SECURITY AND THE HEALTHY DEVELOPMENT OF THE INTERNET

At present, information technology changes with each passing day. Meanwhile, hacker attacks and virus infection take place by various means. To ensure secure network operation, we must step up efforts toward technology research and development and innovation, and especially tackle key technical problems so as to cope with various challenges in network security.

Safeguarding network security is a highly technical task. To build technical capability, the most fundamental thing is to step up efforts to build network security technology platforms. On such basis, we may supervise network operation and improve the ability of abnormal network security events discovery and data analysis capability. At the same time, it is essential to keep improving the ability to handle emergencies and ensure that in the event of network security emergencies, technical solutions may be presented promptly to effectively promote emergency handling.

In the long run, cultivating professionals of high quality is fundamental assurance for network security. Now, at a time when network technology and information technology evolve rapidly, it is of particular importance to having high-quality technical and managerial teams and keeping improving their innovation capability. Therefore, it should be kept in mind that talent is the No. 1 resource, and greater efforts should be made to improve innovation capability and expedite talent cultivation, so as to keep up with the technological progress and provide solid intellectual assurance and staff support for enhancing network security management.

III. CREATING EFFECTIVE WORK MECHANISM AND SOUND LEGAL ENVIRONMENT IS IMPORTANT FOUNDATION FOR SAFEGUARDING NETWORK SECURITY AND PROMOTING THE HEALTHY DEVELOPMENT OF THE INTERNET

To safeguard network security, it is imperative to establish effective emergency mechanisms. Network security issues involve not only competent government authorities but also application institutions and tens of millions of Internet users. The spread of viruses on the Internet is similar to the spread of epidemics in the natural world in many ways, and it could be faster and involve a wider scope. Therefore, to effectively address network security challenges, just like establishing public health emergency mechanism, we should greatly heighten the public's network security awareness, strengthen inter-department collaboration, and mobilize people from all sides in the society to establish a network emergency response mechanism with flexible operation and keen response, so as to ensure that when a security emergency event arises, it can be spotted and warned as early as possible, and accurate judgment and quick response can be made, so as to avoid or minimize the impact or losses caused by such emergencies to the economy and society.

At the same time, to meet actual needs in the development of network security technology and management work, it is necessary to step up efforts to build and improve relevant laws and regulations and effectively regulate online user behavior, providing a sound legal environment for safeguarding network security.

IV. STRENGTHENING INTERNATIONAL EXCHANGE AND COOPERATION IS PREREQUISITE FOR SAFEGUARDING NETWORK SECURITY AND PROMOTING THE HEALTHY DEVELOPMENT OF THE INTERNET

The Internet is an emerging field. In its devel-

opment process, in terms of both technology and management, there are numerous issues demanding study and exploration for lack of precedents. Given the growing importance of the Internet in economic and social development worldwide, I believe that it is necessary to boost the participation and coordination by intergovernmental organizations in public policy issues related to the Internet in the principle of government leadership, all-inclusive participation, democratic decision-making, and transparency and efficiency, thereby creating a favorable international environment for Internet development.

Safeguarding secure and efficient operation of the Internet is a challenge faced by all countries, and a major topic that urgently needs to be studied and resolved by all of us. The Chinese Government always lays store by and actively promotes international exchange and cooperation in the fields of information and communications technologies, business, and human resources. We are willing to enhance exchange and cooperation with governments of all countries and relevant international organizations in the area of network security, so that we may learn from one another and jointly improve the efficiency and quality of network security management.

Efforts should be made to strengthen communication, coordination and cooperation at all levels and in various aspects between relevant government departments of all countries, international organizations, and institutions engaged in the research and development of network security products and technology. It is necessary to establish an effective communication and cooperation mechanism that allows us to exchange information timely and in a more open-minded manner, promote mutual understanding, learn from one another, and conduct cooperation in various forms at various levels, so as to generate a true resultant force, and jointly create and maintain a sound network environment.