

# MEMORANDUM

DATE: June 6, 2015  
TO: Dr. Li Wendong  
FROM: Wen Jian  
SUBJECT: The Impact of Internet on Traditional Telecommunications

## INTRODUCTORY SUMMARY

We have just finished a paper about the impact of Internet to telecommunications. Though delaying several days influenced by some objective reasons, the paper has completed perfectly through two weeks.

The paper mainly tell the influence of Internet on traditional telecommunication from four factors which are development of the mobile Internet, telecommunications infrastructure, de-telecom process and extension of telecommunication with the data analyze method.

## RAPID DEBELOPMENT OF MOBILE INTERNET

With the development of Internet and terminal equipment, people have not only been limited to use a computer to access the Internet, mobile devices is more important for business travelers. And the mobile terminal has become one of the main ways to access the Internet.

Certainly, telecommunications have also fully realized the importance of the aspect, every telecommunications companies are strengthening the investment for the field with more money and more resource.

## A NEW ROUND OF TELECOM INFRASTRUCTURE

Communications industry largely undertakes the Internet "information superhighway" infrastructure construction, some distinctive communication technologies, such as mobile communication, optical communication create some conditions to promote the Internet's boom.

Internet content providers is to provide "information superhighway" with all kinds of transport goods, its diversity and innovation also made it possible for the internet's prosperity.

## DE-TELECOM PROCESS OF TELECOMMUNICATIONS

New mobile information services such as We Chat, QQ, have a significant substitute effect for voice and message. On the one hand, the information communication functions of the new service reduce the frequency of using message and voice for users. On the other hand, microblog's function of real-time information issuance make users no longer order message service.

And the internet impact on operators are mainly for channel type, standard data business, such as SMS, MMS. However, as the operators adjust the direction to information services and traffic management, all kinds of content platform, diversified business have begun to spring up.

## EXTENSION OF TELECOMMUNICATION

The extension of telecommunication are main for two aspects that are IOT and Cloud Computing.

## 1) The application of Internet of things (IOT)

The extension of communication refers to the Internet of things, and that means the main body of communication from the people and people to the people and things, and the things and things. An application of IOT is to use mobile phones or computer remote control home intelligent residential system.

## 2) The challenges and opportunities of Cloud computing

Cloud computing is based on the best cost-effective X86 server hardware, using server virtualization, network virtualization, distributed computing, parallel processing, cluster scheduling management, Web 2.0 software technology and so on to build a powerful distributed computer cluster system, business development and operation platform (Scale Out mode), which can provide more powerful resources and services than "super computer" through broadband network.

## CONCLUSION

Generally speaking, the development of Internet technology not only has a strong impact on voice services, also has some impact on the development of broadband.

And these profound influences of the progress of Internet technology to the global telecom enterprise is unable to avoid for the

traditional business of telecom enterprise. Therefore, telecom enterprises must face the reality, repositioning, and realize enterprise transition as soon as possible. Only in this way are they able to hold powerful enterprise competitiveness in the fierce challenge.