

***SEALING Kick off Meeting  
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Status and perspectives of the ICT sector in  
Vietnam



**HỘI ĐỒNG CHÍNH SÁCH KHOA HỌC VÀ CÔNG NGHỆ QUỐC GIA**  
NATIONAL COUNCIL FOR SCIENCE AND TECHNOLOGY POLICY

### ***Infrastructure***

**8 Telecom services providers, 7 mobile providers 2G, 5 mobile provider 3G, 6 IXP, 18 ISP and 66 OSP. Telephony subscribers grew 40-45% annually, currently 101 mln. subscribers, 117 telephones per 100 inhabitants. Internet users grew 40% annually, currently 21.4 mln. users, or 24.9 Internet users per 100 inhabitants (of which 2.5 mln. on broadband).**

**Three international gateways, for 2009 international bandwidth is 58.4 Gbps. and domestic bandwidth is 87.9 Gbps.**

**ADSL is available in 100% provinces**

***Overall ICT industry:* grew 20-25% annually since 2000. Due to crisis, it has been slowdown for 2008, 2009. Total revenue for 2008 is 5.22 bln. \$, grew 20% compared to 2007. Export for 2008 is 3.2 bln. USD, grew 25%. For 2009 growth was slower than in 2008, about 20%, revenue was 6.26 bln. \$.**

**Hardware industry:** before 2007 maintained growth at 20%/năm. During 2008 and 2009, growth is suffered from crisis , but still at 15% (2008) and 14% (2009). Turnover for 2008 was 4.1 bln US\$, and 4,68 bln. US\$ for 2009. In 2008 there were 110,000 people working in the industry with turnover per head as 37,000 USD. Export for 2008 achieved 2.7 bln USD. For the first ten month of 2009, export is around 2.3 bln. USD, and expecting total export for 2009 is 3 bln.USD.

**Software industry:** grew 19 fold for the last 10 years or 35% per year. In 2008 grew 35%, turnover 680 mln. USD, of which 470 mln. USD for domestic and 210 mln. USD for export markets. In 2009 grew about 30%, or 880 mln. USD. There are 1,000 companies in industry with 57,000 personnel.

**Digital content industry:** New area but grew rapidly, at around 55% annually, even during crisis of 2008 and 2009. In 2008, there are 500 companies with 33,000 employees, grew 57%, or 440 mln. USD. For 2009 it grows around 58%, revenue of 700 mln. USD.

***Application:*** wide application in all sectors.

**E-government began to emerge. Most provinces (60/63) and government agencies/ministries (20/22) have websites. Expenditure for ICT among government organizations is 30% of total ICT expenditure.**

**100% of national hospitals and 50% of provincial hospitals having websites; 100% of universities and around 60% of schools nationwide having websites.**

**86.5% of firms using ICT in business to various extents.**

***Human resources:*** in 2008 there are 460,000 personnel working in ICT, of which 130,000 in application, 110,000 in hardware industry, 130,000 in telecom industry and, 57,000 in software industry, 33,000 in content industry

- **Strategy to develop ICT in Vietnam until 2010 and orientation up to 2020 – Decision No. 246/2005/QĐ-TTg on 6/10/2005 by PM.**
- **Strategy to accelerating ICT development (approved 2007)**
- **Programs to develop ICT (2007)**
- **Master Plan to develop open source for 2004-2008 (QĐ 235/2004/QĐ-TTg)**
- **Plan and programs to apply ICT in government organizations (approved 2008)**
- **Plan and programs to develop ICT human resources to 2015**
- **Plan to develop Telecom and Internet 2010 (approved in 2006)**
- **ICT Law (2006)**
- **Electronic transaction Law (2006)**
- **Telecom Law (2009)**
- **IP Law (2005)**
- **Research priorities:** Grid Computing; Embedded Software and automation system development; E-Gov.; E-Citizen; E-Health systems; Digital and E-Library; GIS for land and national resources management, agriculture & forestry; Institutional and policy cooperation: Privacy Law, Cyber crime Law.

## *What are you expecting from your participation in SEALING*

- Further to promote cooperation between EU and ASEAN countries in ICT sector, and among ASEAN economies
- Vietnam is Chairman of ASEAN for 2010: promoting related activities
- To discuss appropriate policy framework conducive to ICT activities in relevant countries
- To design a mechanism that countries could work together for mutual benefit of ICT sector, with focus on research capacity and performance for development (ICT4D)