



INTERNATIONAL TELECOMMUNICATION UNION
Telecommunication Development Bureau
Telecommunication Statistics and Data Unit

14 January 2003
Original: English

3rd World Telecommunication/ICT Indicators Meeting
Geneva, 15 - 17 January 2003

Document: WICT-49E

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Title: Latest Developments in IT&T Statistics in Hong Kong, China (PowerPoint presentation)



Census and Statistics Department (C&SD)

Latest Developments in IT&T Statistics in Hong Kong, China



Classification of IT&T Sector

- Hong Kong Standard Industrial Classification (HSIC) enhanced to provide a more refined industry classification for the IT&T Sector
- Coverage of IT&T Sector drawn up with reference to that of OECD's ICT Sector



Classification of IT&T Sector

- **Hong Kong IT&T Sector**
 - Covers establishments engaged in the manufacturing, distribution, installation and maintenance of IT&T products and the provision of IT&T services



Classification of IT&T Sector

- **Industries covered in OECD ICT Sector but not in Hong Kong IT&T Sector**
 - Manufacture of office machinery and equipment (excluding computing and accounting machinery)
 - Manufacture of insulated wire and cable
 - Manufacture of electronic parts and components (excluding those for computer and telecommunications equipment)
 - Manufacture of television and radio receivers, sound or video recording or reproducing apparatus, and associated goods
 - Manufacture of instruments and appliances for measuring, checking, testing, navigating and other purposes, except industrial process control equipment
 - Manufacturing of industrial process control equipment
 - Renting of office machinery and equipment



Classification of IT&T Sector

- **Industries covered in Hong Kong IT&T Sector but not in OECD ICT Sector**
 - Installation and maintenance of intercommunication system and telecommunications system
 - Retail of telephone system, telecommunications equipment, computer, computer peripherals and software packages



Classification of IT&T Sector

- **Latest developments at international arena**
 - Content sector
 - UN ISIC 2007 revision
 - Information Sector/Information Economy Sector
- **Hong Kong IT&T Sector under regular review to take into account latest international developments**



IT Penetration in Business Sector

- Annual Survey on Information Technology Usage and Penetration in the Business Sector since reference year 2000
- Follow closely OECD's model questionnaire on ICT usage in business
 - PC usage
 - Internet Usage
 - Web site usage
 - Electronic business/Electronic commerce (covering purchasing, receiving, selling and delivering goods, services and information through electronic means)
 - Budget for IT
 - IT security (new item for 2002)



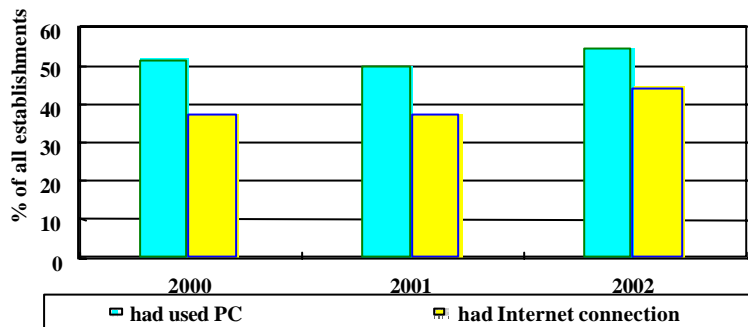
IT Penetration in Business Sector

- New questions on IT security
 - Whether suffered from computer attack
 - Types of computer attack suffered
 - Actions taken after suffered from computer attack
 - Security technologies adopted
 - Methods of authenticating clients and providing secure access for clients in electronic transactions
 - Methods of authenticating employees in internal communication systems



IT Penetration in Business Sector

- Some key findings



IT Penetration in Household Sector

- Annual Household Survey on Penetration and Usage of Information Technology since reference year 2000
- Data items covered:
 - PC and Internet facilities in the household
 - Usage of PC at different locations
 - Usage of Internet at different locations
 - Knowledge and usage of Chinese input methods
 - Usage of electronic business services
 - Usage of online government services
 - Awareness of information security



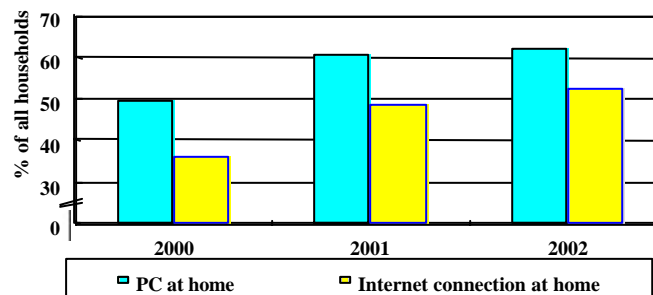
IT Penetration in Household Sector

- **New questions for 2002 Survey**
 - Whether PC at home had been infected by computer virus and the no. of such incidences
 - Whether anti-virus software/password for access had been installed in the PC at home
 - Usage of PC/Internet at cyber-cafe
 - Duration of using PC/Internet for entertainment purposes
 - Personal knowledge of computer/Internet security
 - Types of security breach experienced and actions taken to prevent security breach



IT Penetration in Household Sector

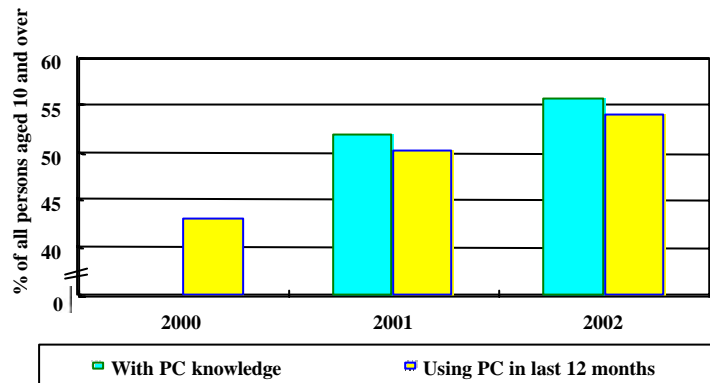
- **Some key findings**





IT Penetration in Household Sector

- Some key findings



Electronic Commerce

- **OECD**
 - Broad definition of e-commerce covers all electronic transactions conducted over computer-mediated networks
 - Narrow definition covers only electronic transactions conducted over the Internet



Electronic Commerce

- **Hong Kong adopts the broad definition**
- **Data collected:**
 - Order or purchase of goods, services or information through electronic means
 - Receipt of goods, services or information through electronic means
 - Sales of goods, services or information through electronic means
 - Delivery of goods, services or information through electronic means



Electronic Commerce

- **Monthly Survey of Retail Sales**
 - Data on e-commerce sales
- **Household Expenditure Survey (5-year)**
 - Data on purchases through the Internet
- **OECD set of core e-commerce indicators for business and household sectors all available in Hong Kong**



IT Manpower

- **Bi-annual Manpower Survey on IT Sector**
- **8 types of IT jobs covered**
 - IT management
 - Application and system development
 - E-business/Internet services
 - Technical support
 - Hardware support
 - Operation support services
 - IT research and product development
 - IT education and training



IT Manpower

- **Data items collected**
 - Number of IT employees in the survey period and the forecast number for the coming 12 months
 - Sources of recruitment of IT employees recruited
 - Recruitment difficulties encountered
 - Character and competence of the newly recruited (fresh graduates of HK Institutions (Degree/Diploma) only)
 - Preferred academic qualification, IT experience and average annual remuneration package of IT employees
 - Reasons of employees for leaving a company
 - Training policy
 - Trend of outsourcing and/or shifting of IT functions (within or outside HK)
 - Trend for the deployment of e-Commerce/e-Business



IT&T Infrastructural Support

- **Administrative records**
 - Majority of telecommunications statistics are compiled by the Office of Telecommunications Authority (OFTA) through regular submission of administrative records by telecommunication operators



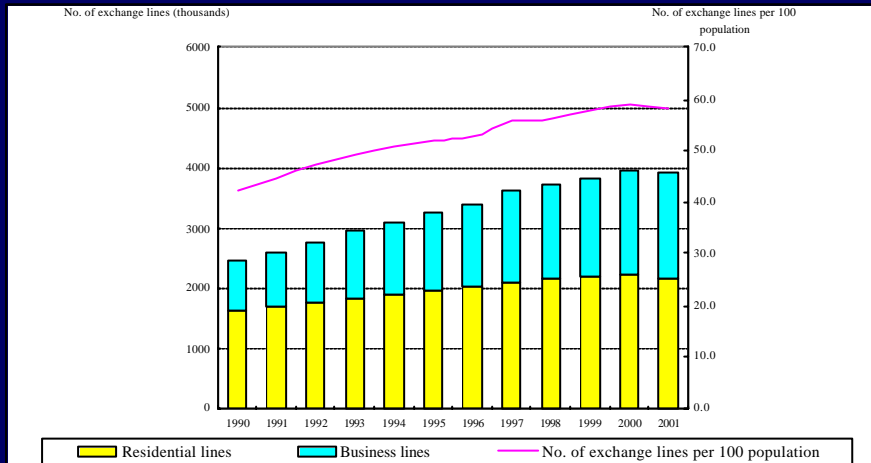
IT&T Infrastructural Support

- **Key telecommunications statistics compiled by OFTA include:**
 - Wireline services
 - External telecommunications traffic
 - Internet services
 - Public mobile phone services
 - Paging services
 - Other telecommunications services
 - Tariff
 - Broadcasting



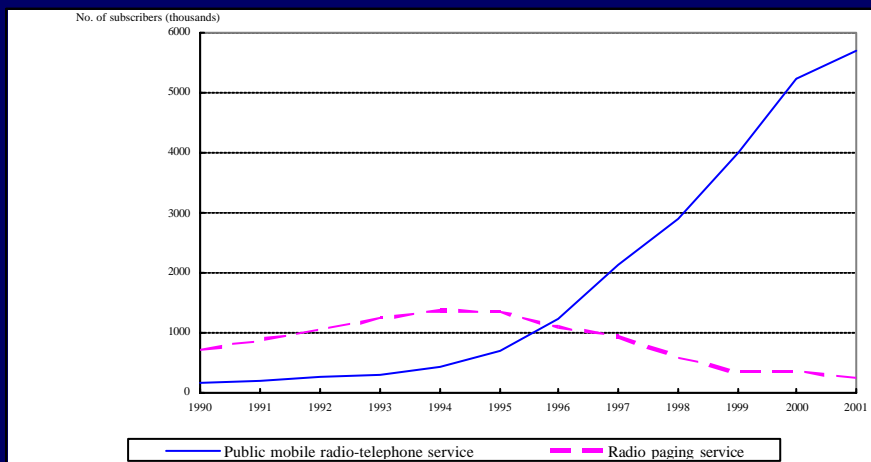
IT&T Infrastructural Support

• Local Fixed Telecommunication Network Services



IT&T Infrastructural Support

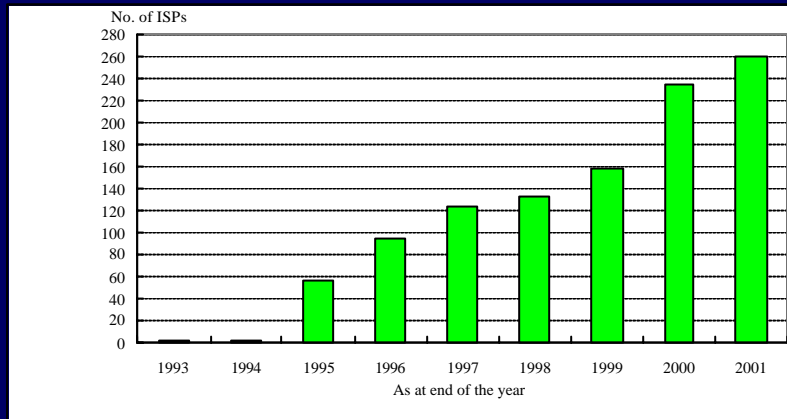
• Public Mobile Phone Services





IT&T Infrastructural Support

- Internet Access Services



Digital Divide (DD)

- **OECD indicators on DD**
 - Infrastructure readiness
 - ICT penetration rates
 - Intensity indicators
- **Most of the indicators already available in Hong Kong**



Census and Statistics Department (C&SD)

Thank You