



ICT Uptake: 2004

Thailand

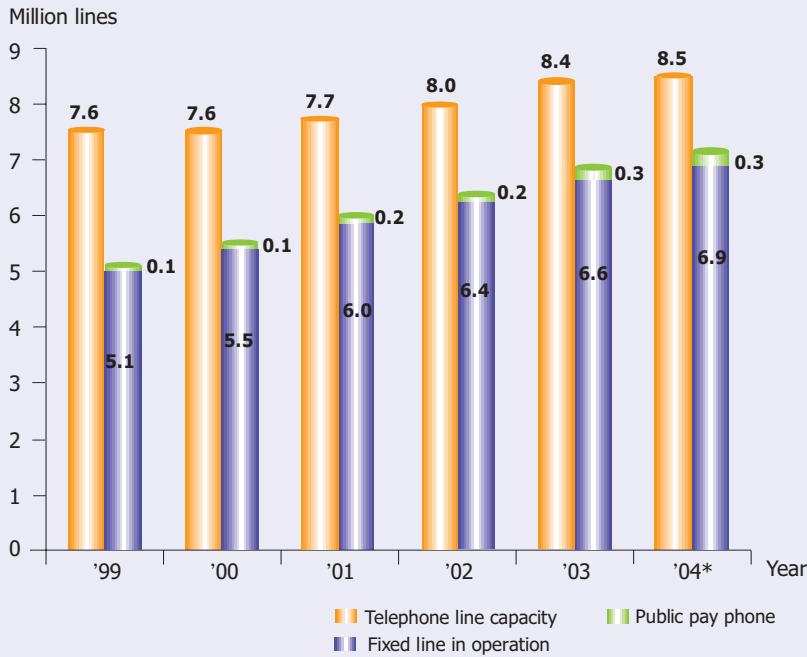
in the Information Age

National Electronics and Computer Technology Center
National Science and Technology Development Agency
Ministry of Science and Technology

and

National Statistical Office
Ministry of Information and Communication Technology

Number of Telephone Lines

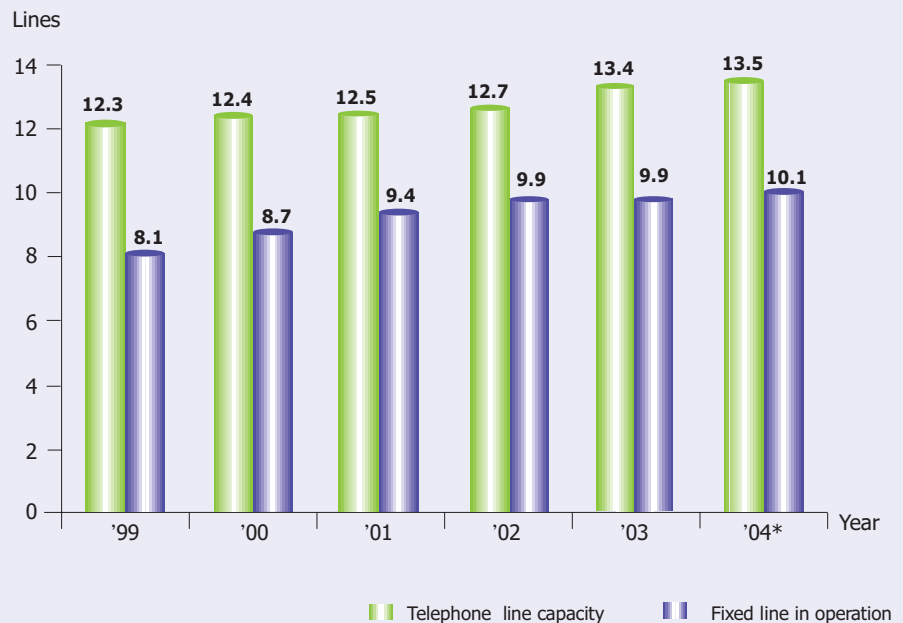


Note: All data presented in telecom section from 2002 onwards are collected in the calendar year. Previous data are in the fiscal year, which is the 12 months beginning October 1 of the year stated.

Source: TOT Corporation Plc. (formerly the Telephone Organization of Thailand)

Remarks: *as of March 2004

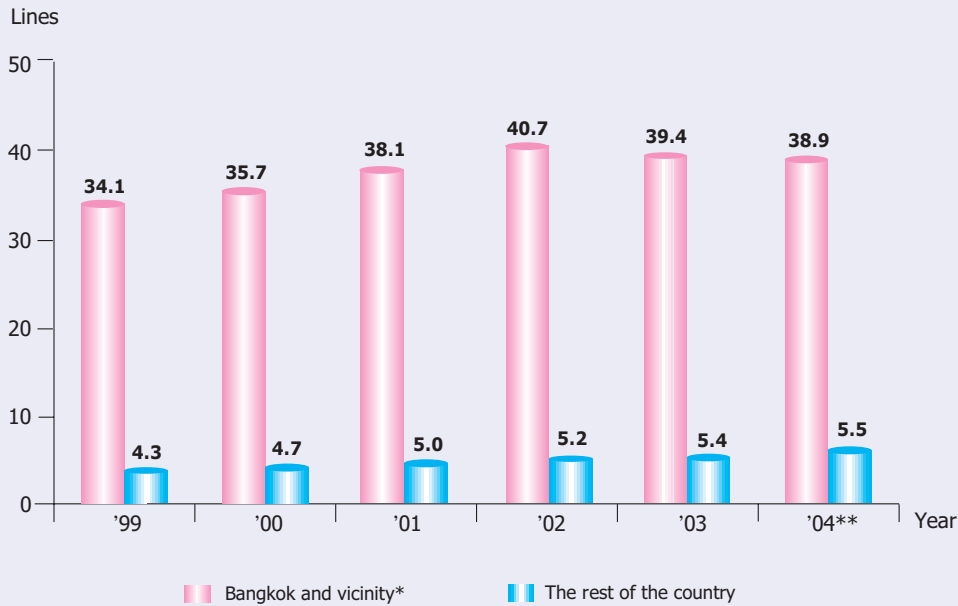
Number of Fixed Lines per 100 Inhabitants



Source: TOT Corporation Plc. (formerly the Telephone Organization of Thailand)

Remarks: *as of March 2004

Fixed Lines per 100 Inhabitants by Location

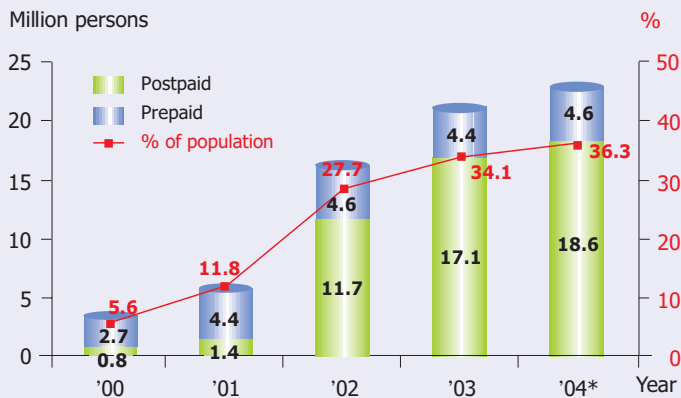


Source: TOT Corporation Plc. (formerly the Telephone Organization of Thailand)

Remarks: *Vicinity includes Pathumthani, Nonthaburi and Samut Prakarn

**as of March 2004

Number of Mobile Users

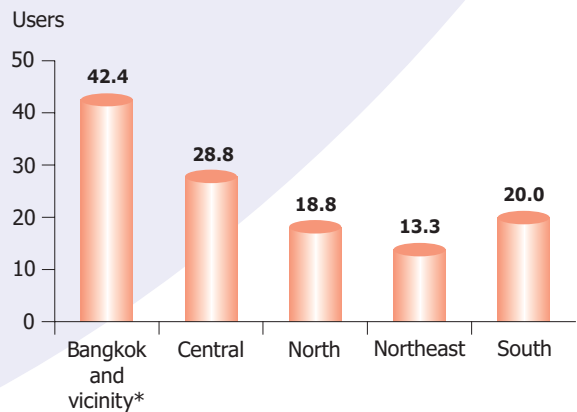


Source: CAT-Telecom Plc. (formerly Communications Authority of Thailand)

TOT Corporation Plc. (formerly the Telephone Organization of Thailand)

Remarks: *as of March 2004

Number of Mobile Users per 100 Inhabitants by Location (2003)



Source: National Statistical Office

Remarks: *Vicinity includes Pathumthani, Nonthaburi, Samut Prakarn, Samut Sakhon and Nakhon Pathom

2

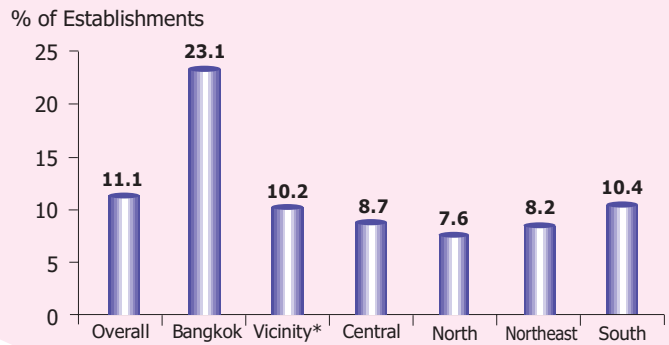
Computer Usage

Number of Households with Computers per 100 Households

| Year | 2001 | 2003 | 2004 |
|-----------|------|------|------|
| Overall | 5.8 | 9.6 | 11.7 |
| Bangkok | 23.3 | 29.4 | 30.6 |
| Central | 5.5 | 8.9 | 12.2 |
| North | 3.0 | 6.8 | 9.5 |
| Northeast | 2.3 | 4.9 | 6.5 |
| South | 2.3 | 6.6 | 8.8 |

Source: National Statistical Office

Percentage of Business Establishments with Computers (2003)



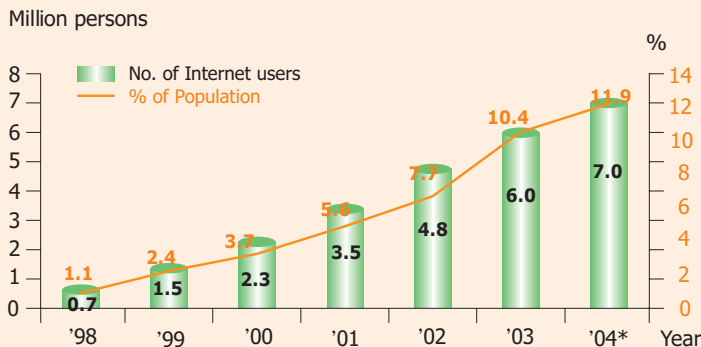
Source: National Statistical Office

Remarks: *Vicinity includes Pathumthani, Nonthaburi, Samut Prakarn, Samut Sakhon and Nakhon Pathom

3

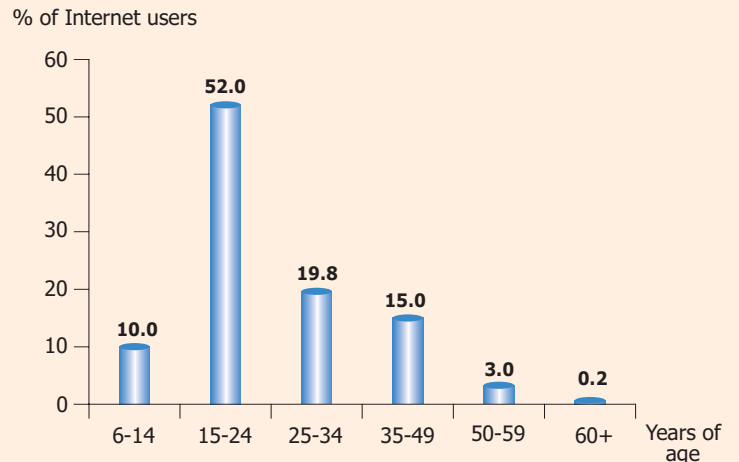
Internet

Number of Internet Users



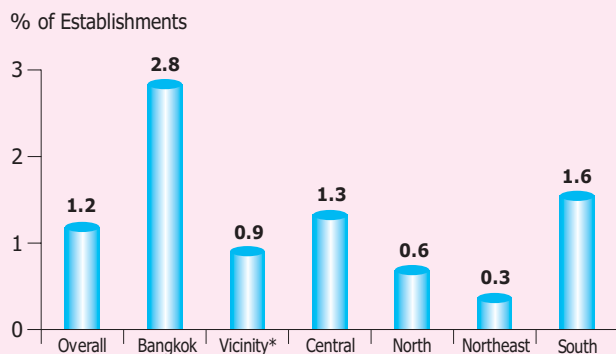
Sources: Internet Service Provider Club, National Electronics and Computer Technology Center, National Statistical Office

Internet Users by Age (2004)



Source: National Statistical Office

Percentage of Business Establishments with Web Sites (2003)



Source: National Statistical Office

Remarks: *Vicinity includes Pathumthani, Nonthaburi, Samut Prakarn, Samut Sakhon and Nakhon Pathom

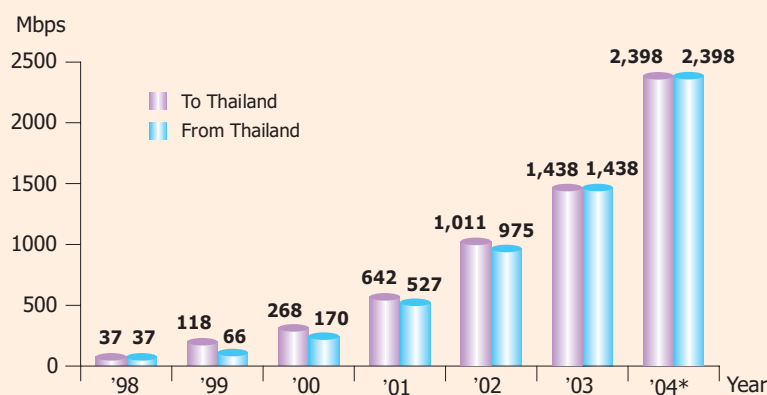
Internet Penetration by Location

| Region | No. of users (million persons) | | | Users per 100 inhabitants | | |
|---------------|--------------------------------|------|------|---------------------------|------|------|
| | 2001 | 2003 | 2004 | 2001 | 2003 | 2004 |
| Whole kingdom | 3.53 | 6.03 | 6.97 | 5.6 | 10.4 | 11.9 |
| - Bangkok | 1.23 | 2.01 | 2.00 | 16.0 | 26.9 | 26.6 |
| - North | 0.52 | 1.34 | 1.52 | 4.6 | 10.1 | 11.2 |
| - Central | 0.83 | 1.00 | 1.21 | 5.9 | 9.7 | 11.4 |
| - Northeast | 0.56 | 1.07 | 1.49 | 2.6 | 5.6 | 7.7 |
| - South | 0.39 | 0.62 | 0.76 | 4.7 | 8.2 | 9.9 |

Source: National Statistical Office

Remarks: *Vicinity includes Pathumthani, Nonthaburi, Samut Prakarn, Samut Sakhon and Nakhon Pathom

International Internet Bandwidth (as of December each Year)



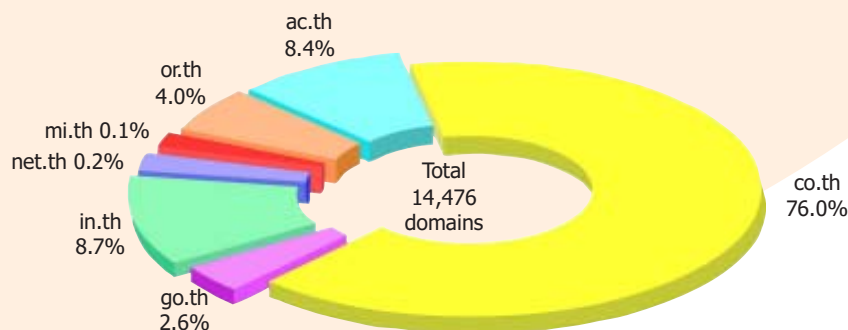
Source: National Electronics and Computer Technology Center (*as of June 2004)

Remarks: The international Internet bandwidth represents the capacity of the communication lines of the ISPs. During 1999-2002, many ISPs expanded their lines "simplex" satellite service in order to cope with their congestions in the inbound traffic. In late 2002, most ISPs opt for high-quality fiber links and symmetric satellite services. This resulted in equality between the inbound and outbound capacities.

Distribution of .th Domain Names

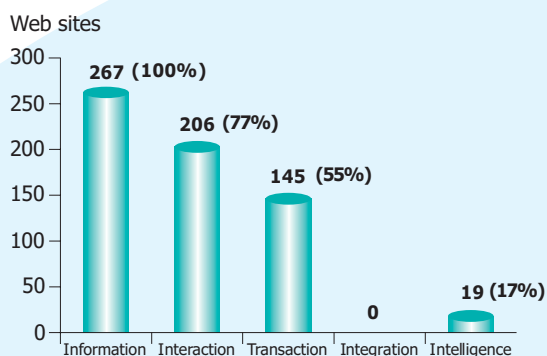
| Year | ac.th | co.th | go.th | in.th | mi.th | net.th | or.th | Total |
|------------|-------|--------|-------|-------|-------|--------|-------|--------|
| 1997 | 156 | 767 | 70 | - | 2 | 17 | 89 | 1,101 |
| 1998 | 230 | 1,730 | 88 | - | 4 | 18 | 160 | 2,230 |
| 1999 | 313 | 2,927 | 108 | 242 | 6 | 21 | 217 | 3,834 |
| 2000 | 423 | 4,774 | 210 | 804 | 7 | 23 | 312 | 6,553 |
| 2001 | 624 | 6,573 | 229 | 1,084 | 10 | 24 | 416 | 8,924 |
| 2002 | 839 | 8,354 | 265 | 1,181 | 14 | 27 | 484 | 11,164 |
| 2003 | 1,087 | 10,367 | 343 | 1,271 | 14 | 27 | 567 | 13,676 |
| 2004 (May) | 1,210 | 10,999 | 387 | 1,264 | 14 | 26 | 576 | 14,476 |

Source: Thailand Network Information Center (T.H. NIC Co.,Ltd.)



Source: Thailand Network Information Center (T.H. NIC Co.,Ltd.), as of May 2004

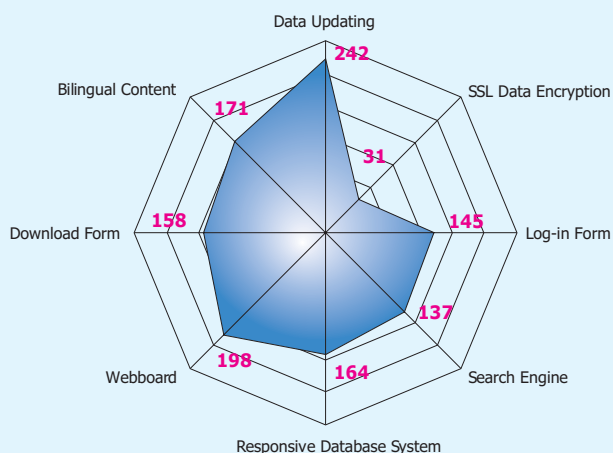
Number of Government Web Sites by Type of Online Services (2004)



Source: National Electronics and Computer Technology Center

Remarks: Survey from 267 government web sites (as of March 2004)

Main Assessment of Government Web Sites (2004)



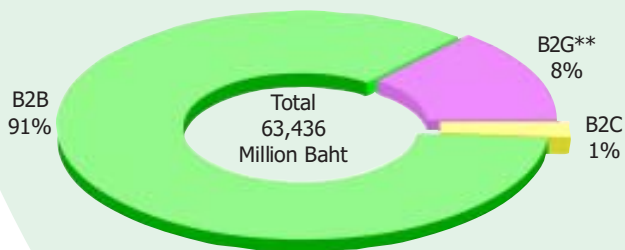
According to the assessment on 267 government web sites, most web sites focus on the provision and exchange of basic information. However, only a few web sites have functions to guard information security.

Unit: No. of government web sites

Source: National Electronics and Computer Technology Center

e - C o m m e r c e

e-Commerce Transaction Value in 2003*



Question: What is your estimated value of transaction processed via e-Commerce or e-Marketplace?

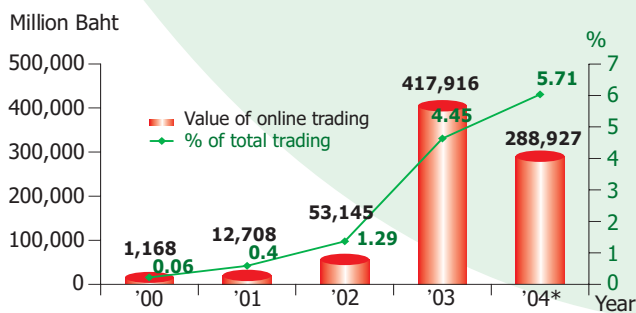
Source: National Electronics and Computer Technology Center, The Comptroller General's Department, Ministry of Finance

Based: A sample size of 60 e-Commerce key players in Thailand

Remarks: *Exclude transaction value of online trading

**The figure of B2G transactions is reported by The Comptroller General's Department

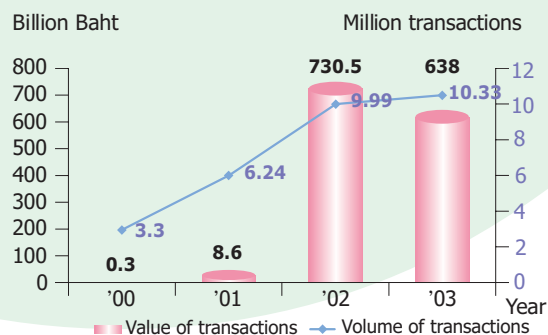
Value of Online Trading



Source: Stock Exchange of Thailand

Remarks: *as of May 2004

Value and Volume of Internet Banking Transaction

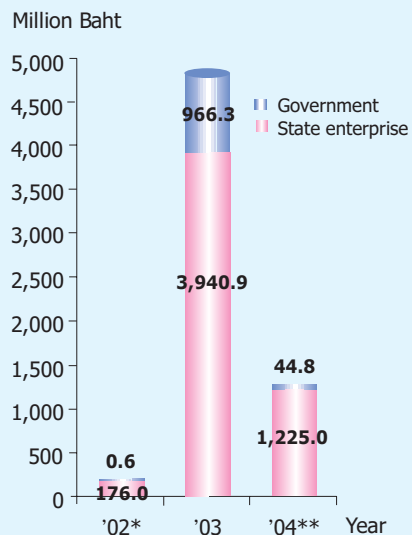


Source: Bank of Thailand

(Exchange rate as of 21 July 2004, 1 USD = 40.89 Baht)

I C T i n G o v e r n m e n t

Value of Government e-Auction

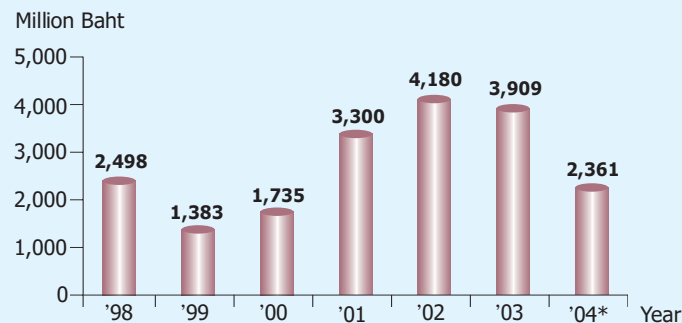


Source: The Comptroller General's Department

Remarks: *Project started October 2002

**as of March 2004

Government Budget on Computer Equipment



Source: The Bureau of the Budget

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in the Information Age



ECTI Policy Research and Information Society Index Section
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