



Arab Republic of Egypt  
Ministry of Communications  
and Information Technology  
[www.moit.gov.eg](http://www.moit.gov.eg)

# Information and Communications Technology Indicators Bulletin

March 2013 | Quarterly Issue

■ Main Infrastructure Indicators

■ ICT Sector's Role In Development

Data item	Unit	Q1 2012	Q4 2012	Q1 2013	Quarterly growth rate (%)	Annual growth rate (%)
<b>ICT Sector: Infrastructure Indicators</b>						
Mobile subscriptions	Million	91.92	96.80	94.15	-2.74	2.43
Mobile penetration *	%	112.67	116.94	113.20	-3.74	0.53
Fixed line subscriptions	Million	8.57	8.56	8.63	0.83	0.63
Fixed line penetration *	%	10.68	10.51	10.55	0.04	-0.13
Estimated Internet Users	Million	30.90	32.62	33.34	2.21	7.89
Internet penetration *	%	37.88	39.41	40.09	0.68	2.21
ADSL subscribers	Million	1.90	2.24	2.31	2.94	21.7
Proportion of Internet Broadband Users	%	90.02	90.56	90.78	0.21	0.76
International Internet Bandwidth	Gbps	182,214	214,399	230,138	7.34	25.61
Number of post offices	Post office	3793	3807	3820	0.34	0.71
ICT operating companies	Companies	4649	5083	5243	3.15	12.78
Number of direct employee in ICT sector***	Thousand employees	214.45	216.93	217.78	0.39	1.56
<b>ICT Sector's Role In Development</b>						
Number of IT Houses	IT Houses	...	95	95	0.00	...
Capacity Building Program Provided by ITIDA	Graduates	...	235	216	-8.09	...
* Growth rates are calculated as the difference between penetration rates in different time intervals.						
** Includes employees of ICT sector employees, Telecom Egypt employees, Smart village employees and Maadi Technology Park employees, but doesn't include indirect employees in internet cafes, IT Clubs and workers in special communications centers						

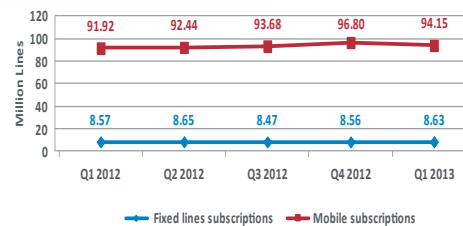
# ICT Sector:

## Infrastructure Indicators

- Mobile subscriptions (Q1 2013) : 94.15 million, Mobile penetration (Q1 2013) : 113.20%
- Fixed line subscriptions (Q1 2013): 8.63 million
- Fixed line subscriptions in urban areas(Q1 2013) : 6.81 million, rural areas 1.81 million.
- Estimated internet users(Q1 2013): 33.34 million, Internet penetration (Q1 2013) : 40.09%.
- Internet users through mobile(Q1 2013): 11.44 million .
- USB Modem users(Q1 2013) : 3.31 million users.
- ADSL subscribers (Q1 2013) : 2.31 million.
- International Internet bandwidth (Q1 2013):Gbps.
- Number of post offices (Q1 2013): 3820.
- Number of Beneficiaries of Pensions' Payment Service through post offices(Q1 2013): 4.67 million beneficiary

### Fixed Lines and Mobile Subscriptions

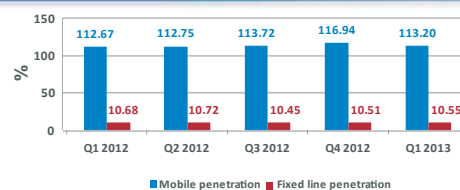
- The number of fixed line and mobile subscriptions was 102.78 million at the end of Q1 2013, compared to 100.49 million at the end of Q1 2012, with an annual increase of 2.28 million subscriptions and an annual growth rate of 2.27%.
- The number of mobile subscriptions was 94.15 million at the end of Q1 2013, compared to 91.92 million at the end of Q1 2012. This represents an annual increase of 2.23 million subscriptions and an annual growth rate of 2.43%.
- The capacity of local exchange increased to 14.78 million lines at the end of Q1 2013, compared to 14.62 million at the end of Q1 2012.



Source :Ministry of Communications and Information Technology, Telecom Egypt, National Telecom Regulatory Authority

### Fixed Line and Mobile Penetration

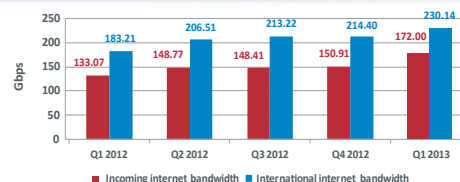
- Mobile penetration increased to 113.20% at the end of Q1 2013, compared to 112.67% at the end of Q1 2012, representing an annual growth rate of 0.53% . On the other hand, fixed line penetration reached about 10.55% by the end of Q1 2013.



Source :Ministry of Communications and Information Technology, Telecom Egypt, National Telecom Regulatory Authority

### International Internet Bandwidth

- International Internet bandwidth increased to 230.138 Gbps at the end of Q1 2013 compared to 183,214 Gbps at the end of Q1 2012 representing an annual growth rate of 25.61%.

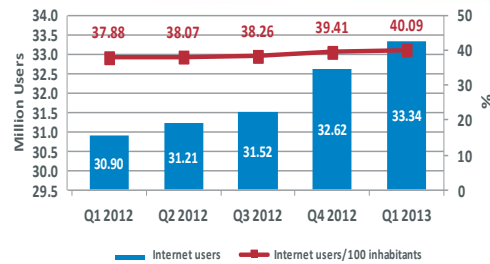


Source :Ministry of Communications and Information Technology, National Telecom Regulatory Authority

## Estimated Number of Internet Users \*

- The estimated number of Internet users increased to 33.34 million at end of Q1 2013, compared to 30.90 million at the end of Q1 2012, representing an annual increase of 2.44 million users and an annual growth rate of 7.89%.
- Internet penetration increased to 40.09% at the end of Q1 2013, compared to 37.88% at the end of Q1 2012, representing an annual growth rate of 2.21%..

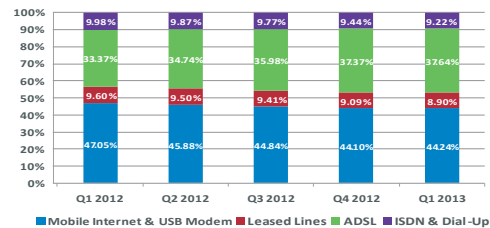
\* Includes internet users through mobile and USB modem.



Source : Ministry of Communications and Information Technology, National Telecom Regulatory Authority

## Internet Users by Mode of Access

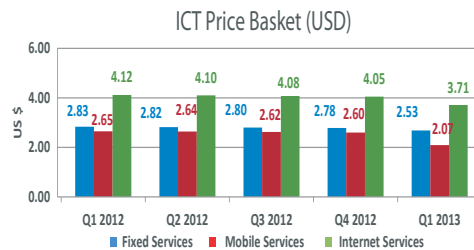
- Proportion of internet broadband users is about 90.78% of total Internet users in Q1 2013 compared to 90.02% of total internet users in Q1 2012.
- Proportion of internet narrowband users is about 9.22% of total Internet users in Q1 2013 compared to 9.98% of total internet users in Q1 2012.



Source : Ministry of Communications and Information Technology, National Telecom Regulatory Authority

## ICT Price Basket

- The cost of ICT services in Egypt is considered internationally competitive. According to the World Bank price basket methodology, the monthly cost in Egypt in Q4 2012 was 2.53 USD for a fixed line \*, 2.07 USD for mobile services \*\* and USD 3.71 for Internet service \*\*\*.



Source : Ministry of Communications and Information Technology, Information Center

\* The price for a residential fixed line is calculated as one-fifth of the installation charge, the monthly subscription charge and the cost of local calls (15 peak and 15 off-peak calls of three minutes each)

\*\* Calculated based on the prepaid price for 25 calls per month spread over the same mobile network, other mobile networks and mobile to fixed line calls, during peak, off-peak and weekend times, in addition to 30 text messages.

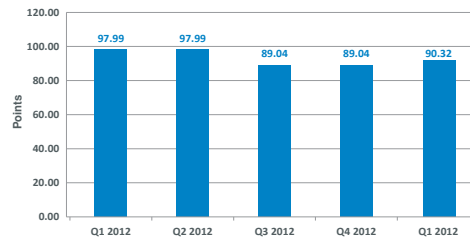
\*\*\* Calculated based on the cheapest available tariff for connecting to the Internet for 20 hours a month (10 hours peak and 10 off-peak).

# ICT Sector:

## Infrastructure Indicators

### ■ Communications Service Composite Price Index \*

- Communications Services Composite Price Index reached 90.32 points in Q1 2013 compared to 97.99 points in Q1 2012 with an annual growth rate -7.67 %.

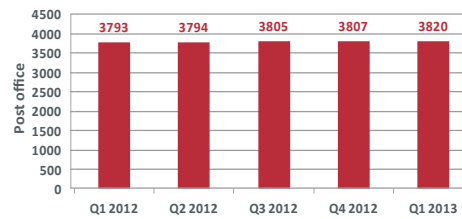


Source :Ministry of Communications and Information Technology, Information Center

\* The calculation of the index based on the recommendations of the Organization & Economic Cooperation and Development ( OECD) and the World Bank, the Communication Services composite Price Index is calculated based on a basket of ICT telecommunication services taking into account the nature of telecommunications services in Egypt. The Index has four main subcomponents: fixed line telephone, mobile phone and internet services classified according to ISIC 4. Data was collected on tariffs and prices of these services for the period between 2002 to 2010 on quarterly bases that complies with the periodicity of computing the ICT GDP. The weights are calculated based on the share of each service from the total revenues for each company. The year 2006/2007 was chosen to be the base year for the index.

### ■ Post Offices

- The total number of post offices increased to 3820 at the end of Q1 2013, compared to 3793 at the end of Q1 2012, reflecting an annual growth rate of 0.71%.
- The average number of people served by individual post offices was 21,773 thousand persons at the end of Q1 2013, compared to 21,509 thousand persons at the end of Q1 2012, representing an annual growth rate of 1.22%.



Source :Ministry of Communications and Information Technology, Egypt Post

### ■ Number of Pensions Distributed Through Postal Offices

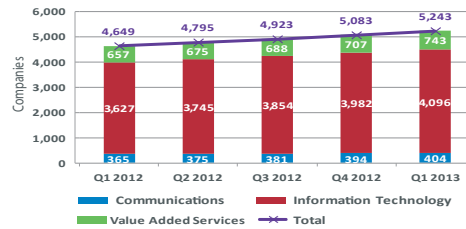
- Number of beneficiaries of pensions distributed through postal offices reached 4.67 million beneficiaries in Q1 2013 compared to about 4.83 million beneficiaries in Q1 2012 with an annual change rate of -3.31%.
- On the other hand, the number of beneficiaries of pensions distributed through postal offices to the place of residence reached about 100 thousand beneficiaries at the end of Q1 2013 .



Source :Ministry of Communications and Information Technology, Egypt Post

### Number of ICT Companies According to Activities

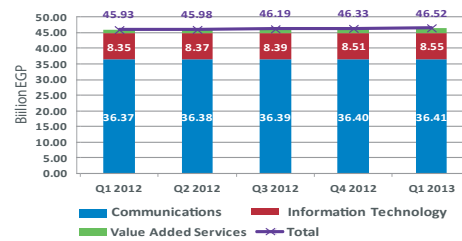
- The number of ICT companies increased to 5243 at the end of Q1 2013, of which 78.1% were IT companies 14.2% Value added services and 7.7% communication companies. The number of ICT operating companies in Q1 2013 was 12.78% higher than in Q1 2012.



Source: Ministry of Investment, General Authority for Investment and Free Zones

### ICT Issued Capital

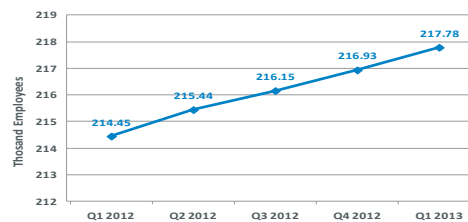
- The total issued capital for ICT companies reached 46.52 Billion EGP during Q1 2013 compared to 45.93 Billion EGP during Q1 2012 at an annual growth rate of 1.29 %.
- It is worth noting that the percentage of Issued Capital of telecommunication companies reached 78.3% of the total issued capital within the sector while it reached 18.4% for Information Technology and 3.4% for value added services.



Source: Ministry of Investment, General Authority for Investment and Free Zones

### ICT Direct Employment

- The total number of direct employees in the ICT sector reached 217.78 thousand employees during Q1 2013 compared to 214.45 thousand employees during Q1 2012 at an annual growth rate of 1.56%.
- This figure includes: ICT companies employees, Telecom Egypt employees, Post employees, Smart Village employees and Maadi Technology Park employees, but doesn't include indirect employees in ICT sector working in IT clubs, internet cafes and private communications stores.
- It worth mentioning that each direct ICT job opportunity creates around 1.5-2 job opportunity in other sectors.



Source: Ministry of Communications and Information Technology, Ministry of Investment, General Authority for Investment and Free Zones

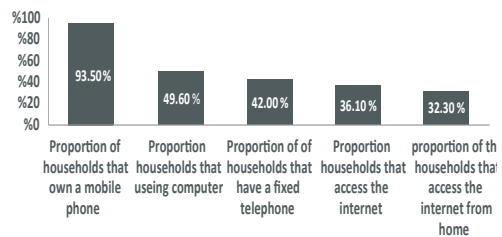
# The ICT Sector's

## Role in Development

- Proportion of households with mobile phone (2012): 93.5%
- Proportion of households accessing the internet using fixed broadband (2012): 94%
- Proportion of households using computer in education (2012): 17%
- Proportion of households accessing the internet from home (2012): 21.9%
- Proportion of households dealing with e-government (2012): 10%
- Number of graduates from the International Computer Driving License (ICDL) program (March 2013): 578 Graduates
- Number of graduates to receive software training ( Q1 2013): 216 graduates

### ICT Infrastructure in Households

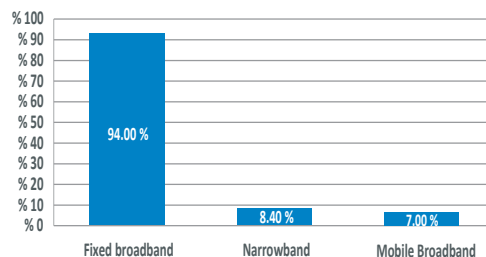
- The proportion of Egyptian households that access the internet through Fixed broadband connection reached about 94%, while those who access it through mobile broadband reached about 7%, and who use the narrowband represented about 8.4%.



Source: Survey of "ICT usage in Households and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS) 2012

### Households with access to the Internet by type of access

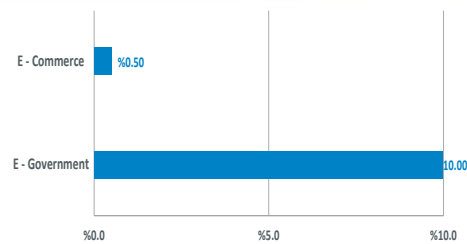
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Source: Survey of "ICT usage in Households and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS) 2012

### Households Using E-Government and E-Commerce

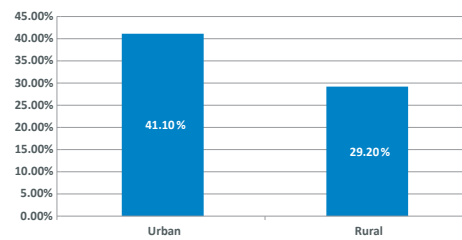
- The proportion of Egyptian households that deal with the e-government reached about 10%, while only 0.5% deal with the e-commerce.



Source : Survey of "ICT usage in Households and Individuals ", conducted by Ministry of Communications and Information Technology ( MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS) 2012

### Individuals Using Computer (Urban - Rural)

- Proportion of individuals in urban that using computer reached 41.1% while the proportion of individuals in rural that using computer reached 29%.

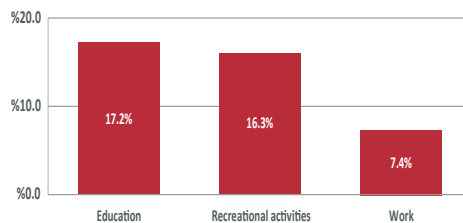


\*Individuals that are greater than or equal 6 years old.

Source : Survey of "ICT usage in Households and Individuals ", conducted by Ministry of Communications and Information Technology ( MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS) 2012

### Computer activities undertaken by individuals

- It was proved that 17% of the individuals use the computer in education and 16% in recreational activities, while about 7.4% the computer help them in accomplishing their duties.



\* Individuals that are greater than or equal 6 years old

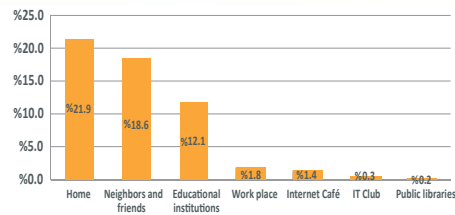
Source: Survey of "ICT usage in Households and Individuals ", conducted by Ministry of Communications and Information Technology ( MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS) 2012.



# The ICT Sector's Role in Development

## Location of individual use of the Internet

- 21.9% of the individuals use the internet from home, while 18.6% use it from their neighbours and friends. Only 12% use the internet via educational institutions.

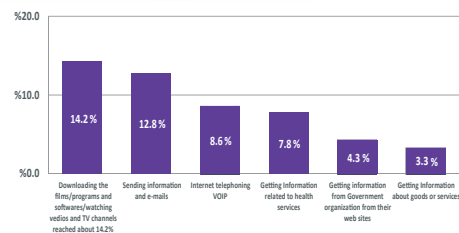


\* Individuals that are greater than or equal 6 years old

Source: Survey of "ICT usage in Households and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS) 2012

## Internet activities undertaken by individuals

- The proportion of individuals that use the internet in downloading the films/programs and software/watching videos and TV channels reached about 14.2%, while those who use it in sending information and e-mails accounted for 12.8% and those that use it VOIP represented about 8.6%.



\* Individuals that are greater than or equal 6 years old.

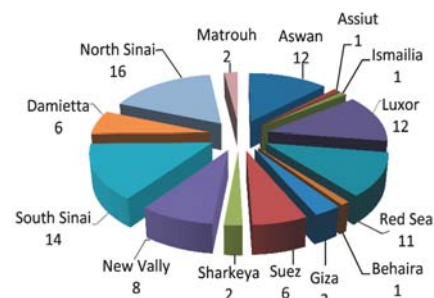
Source: Survey of "ICT usage in Households and Individuals", conducted by Ministry of Communications and Information Technology (MCIT) in cooperation with Central Agency for Public Mobilization and Statistics (CAPMAS) 2012

## Number of IT Houses \*

- The total number of IT Houses has reached about 95 distributed as follows:

Governorate	Number of IT Houses
Aswan	16
Assiut	14
Ismailia	12
Luxor	12
Red Sea	11
Giza	8
Suez	6
Sharkeya	6
New Valley	3
South Sinai	2
Matrouh	2
Behaira	1
Damietta	1
North Sinai	1
<b>Total</b>	<b>95</b>

### Geographic Distribution of IT Houses

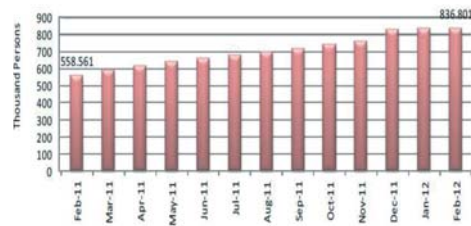


Source: Ministry of Communications and Information Technology – IT Clubs Department.

\* MCIT has launched Technology House initiative in September 2011, as part of Technology corridor project which aims at offering integrated services including ( training courses, e-government services, SME services.

### ICDL Training \*

ICDL program has finished on 29/2/2012 with (836,801) certified candidates , now we are committed by a Limited Practice No (6) for the year 2012 to start a new ICDL program. Syllabus Version 5 ( Windows7 , Office 2010). The program aims to graduate (75) thousand persons during the next year. It's worth mentioning that there are (22520) registered persons, while the number of graduates (578) persons so far.

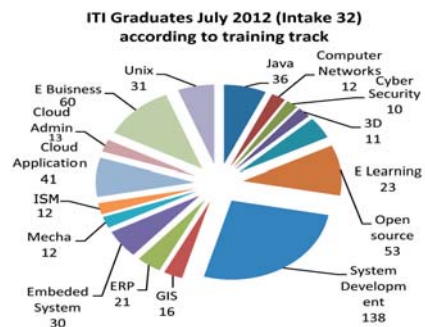


Source: Ministry of Communications and Information Technology – Training and human resources Department (ICDL Program)

### Capacity Building Program Provided by Information Technology Institute (ITI)

Track	Q3 2011	Q3 2012 *
Software Development / Software Engineer / E-Business / E-Learning	4834	5196
Computer Networks / Cyber Security / Information Security / Media Convergence	618	640
Multimedia / CGFP	488	499
GIS	303	319
VLSI / EM-SYS	193	223
Mechatronics	164	176
Biomedical Informatics	67	67
Cloud Computing	..	54
Others	180	192
<b>Total</b>	<b>6667</b>	<b>7366</b>
<b>Edu Egypt</b>	<b>15000</b>	<b>..</b>

\*According to the latest figures

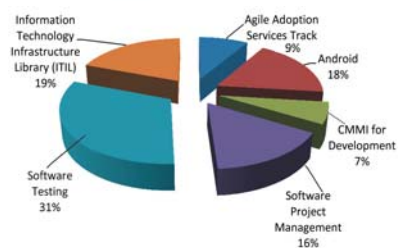


Source: Ministry of Communications and Information Technology - Information Technology Institute

### Capacity Building Program Provided by ITIDA \*

The total number of graduates in the software field has reached 216 during Q1 2013, distributed as follows:

Training Track	Number of Attendees
Agile Adoption Services Track	19
Android	39
CMMI for Development	14
Software Project Management	34
Software Testing	68
Information Technology Infrastructure Library (ITIL)	42
<b>Total</b>	<b>216</b>



Source: Ministry of Communications and Information Technology, Information Technology Industry Development Authority, Software engineering competence Center (SECC)

\*It's worth mentioning that the total numbers of companies that achieved the CMMI accreditation levels have reached 50 companies..

## ICT Sector Indicators

### Infrastructure Indicators

- Mobile subscribers increased to 94.15 million in Q1 2013, compared to 91.92 million in Q1 2012, representing an annual growth rate of 2.43% .
- Mobile penetration increased to 113.20% in Q1 2013, compared to 112.67% in Q1 2012, representing an annual growth rate of 0.53% .
- Internet users increased to 33.34 million in Q1 2013, compared to 30.90 million in Q1 2012, representing an annual growth rate of 7.89% .
- Internet penetration increased to 40.09% in Q1 2013 compared to in 37.88 Q1 2012 representing an annual growth rate of 2.21% .
- ADSL subscribers increased to 2.31 million in Q1 2013, compared to 1.90 million in Q2 2011 , representing an annual growth rate of 21.7% .
- The total number of direct employment in the ICT sector reached 217.78 thousand in Q1 2013 compared to 214.45 thousand in Q1 2012 with an annual growth rate 1.56%.
- The number of ICT companies reached 5243 by the end of Q1 2013 compared to 4649 Q1 2012, reflecting an annual growth rate of 12.78 % .

### ICT sectors role in Development

- Proportion of households that using computer reached 49.6%, on other hand proportion of households that accessing the internet reached 36.1% .
- Proportion of individuals in urban areas using computer reached 41.1% while the proportion of individuals in rural areas using computer reached 29% .
- The total number of IT Houses reached 95 IT Houses by the end of Q1 2013 .
- The total number of graduates from the International Computer Driving License (ICDL) program reached 578 graduates by the end of Q1 2013 .
- The number of graduates to receive software training in Q 4 2012 was 235 graduates .
- The number of graduates to receive software training in Q1 2013 was 216 graduates .

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