



Arab Republic of Egypt
Ministry of Communications
and Information Technology
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Information and Communications Technology Indicators Bulletin

December 2009 | Quarterly Issue

Main Infrastructure Indicators

Main Economic Indicators

ICT Sector's Role in Development

Data item	Unit	Q3 2009	Q2 2009	Q3 2008	Quarterly growth rate (%)	Annual growth rate (%)
ICT Sector: Infrastructure Indicators						
Mobile line subscribers	Millions	53.43	48.31	38.06	10.59	40.38
Mobile penetration *	%	69.94	63.53	50.74	6.41	19.19
Fixed line subscribers	Millions	10.47	11.65	11.46	-10.14	-8.64
Fixed line penetration *	%	13.7	15.3	15.3	-1.60	-1.57
Internet users**	Millions	14.04	13.47	11.69	4.23	20.10
Internet penetration *	%	18.4	17.7	15.6	0.67	2.79
ADSL subscribers	Thousands	930.46	848.00	593.04	9.72	56.90
ADSL penetration *	%	1.22	1.12	0.79	0.10	0.43
International Internet bandwidth	Mb/s	69727	48160	27077	44.78	157.51
Average number of people served by individual post offices	Thousand inhabitants	20,547	20,548	20,410	0.00	0.671
ICT Sector: Main Economic Indicators						
ICT sector revenues ***	Billion EGP	10.36	10.37	10.2	-0.1	2
ICT real GDP	Billion EGP	7.519	8.69	6.63	-13.5	13.5
Contribution of ICT sector to real GDP	%	3.6	4.3	3.3
Contribution of ICT sector to real GDP annual growth rate	Pps	0.44	0.57	0.37
ICT operating companies	Companies	3332	3211	2621	2.8	27
Number of people employed in ICT sector****	Thousand People	180.02	179	174.478	0.6	3.2
ICT Sector's Role In Development						
Number of IT Clubs	Clubs	1931	1892	1751	2.06	10.28
Number of people in specialized ICT training	Thousand trainees	38.35	37.57	32.97	2.08	16.31

* Growth rates calculated as the difference between penetration rates in different time intervals.

** Estimated figure doesn't include internet users through mobile.

*** Total ICT revenues reached EGP 39 billion in 2008, a rise of 14% over 2007.

**** Includes employees of Egypt Post, Telecom Egypt and Smart Village

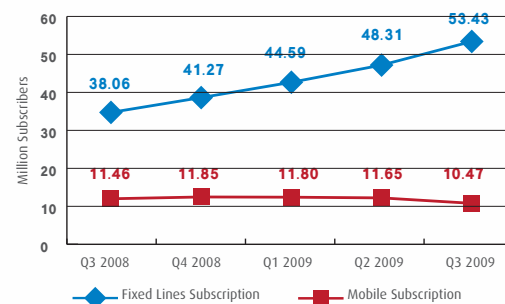
ICT Sector:

Infrastructure Indicators

- Mobile subscribers : 53.43 million .
- Mobile penetration : 69.94 %.
- Annual growth rate in mobile subscription: 40.38 %.
- Fixed line subscribers: 10.47 million
- Fixed line subscribers in urban areas:7.90 million, rural areas: 2.57 million.
- Fixed line penetration : 13.7 %
- Internet users (Estimated Figure): 14.04 million.
- Internet penetration : 18.4 %.
- Annual growth rate of Internet users:20.10 %.
- Internet users through mobile (Estimated Figure) : 4.05 million .
- USB Modem users : 204,830 users.
- International Internet bandwidth: 69727 million Mb/s.
- ADSL subscribers : 930,46 .
- Number of post offices: 3718.
- Number of Beneficiaries of Pensions' Payment Service: 4.1 Million Beneficiary

Fixed and Mobile Subscription

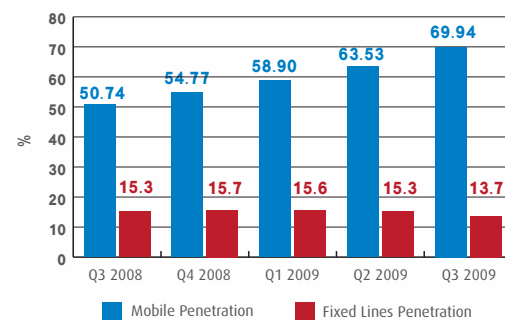
- The number of fixed and mobile subscribers was 63.90 million at the end of Q3 2009, compared to 49.52 million at the end of Q3 2008, with an annual increase of 14.37 million subscribers and an annual growth rate of 29.03%.
- The number of mobile subscribers was 53.43 million at the end of Q3 2009, compared to 38.06 million at the end of Q3 2008. This represents an annual increase of 15.37 million subscribers and an annual growth rate of 40.38%. Mobile subscribers accounted for 84 % of total telephone service subscribers at the end of Q3 2009.



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

Fixed Line and Mobile Penetration

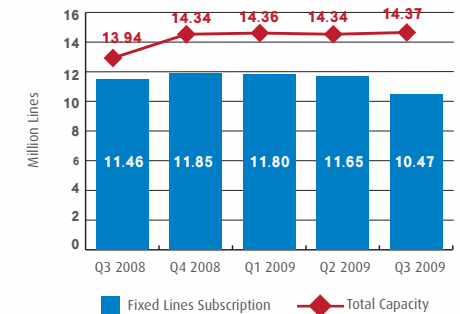
- Mobile penetration increased to 69.94% at the end of Q3 2009, compared to 50.74 % at the end of Q3 2008, representing an annual growth rate of 19.19 % . On the other Hand, Fixed line penetration reached about 13.7% by the end of Q3 2009.



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

Fixed Lines Subscription and Local Exchange Capacity

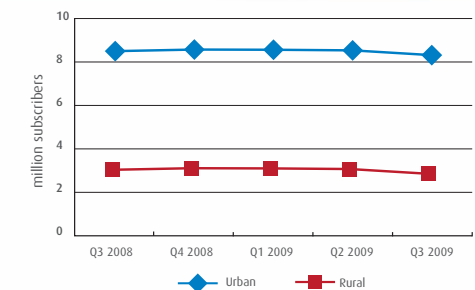
- Total number of fixed line subscribers has reached 10.47 million subscribers at the end of Q3 2009 compared to 11.46 million subscribers at the end of Q3 2008.
- The capacity of local exchanges increased to 14.37 million lines at the end of Q3 2009, Compared to 13.94 at the end of Q3 2008. This represents an annual increase of 0.44 million lines and an annual growth rate of 3.14%.



Source: Ministry of Communications and Information Technology, Telecom Egypt

Fixed Lines (Urban and Rural Areas)

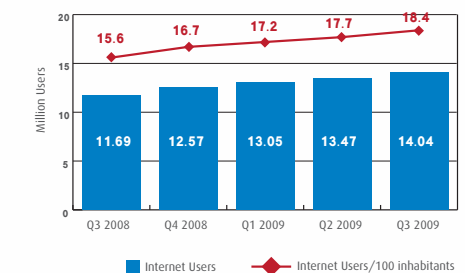
- The total number of fixed line subscribers in urban areas reached 7.90 million subscribers by the end of Q3 2009 compared to 8.51 million subscribers by the end of Q3 2008, The total number of subscribers in rural areas reached 2.57 million subscribers by the end of Q3 2009 compared to 2.94 million subscribers by the end of Q3 2008.



Source : Ministry of Communications and Information Technology, Telecom Egypt

Internet Users *

- The number of Internet users increased to 14.04 million at the end of Q3 2009, compared to 11.69 million at the end of Q3 2008, representing an annual increase of 2.35 million users and an annual growth rate of 20.10%
- Internet penetration increased to 18.4% at the end of Q3 2009, compared to 15.6 % at the end of Q3 2008 representing an annual growth rate of 2.79%.



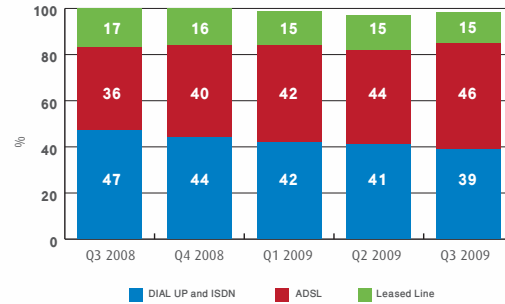
* Estimated Figure till (December 2009) doesn't include internet users through mobile .
Source : Ministry of Communications and Information Technology, Telecom Egypt , National Telecom Regulatory Authority .

ICT Sector:

Infrastructure Indicators

Internet Users by Mode of Access

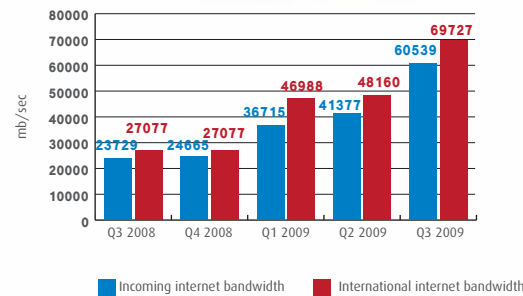
- ADSL was the mode of access for 46% of Internet users in Q3 2009, compared to 36% during Q3 2008.
- Dial-up & ISDN subscribers accounted for 39 % of Internet subscribers in Q3 2009, compared to 47 % in Q3 2008.



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

International Internet Bandwidth

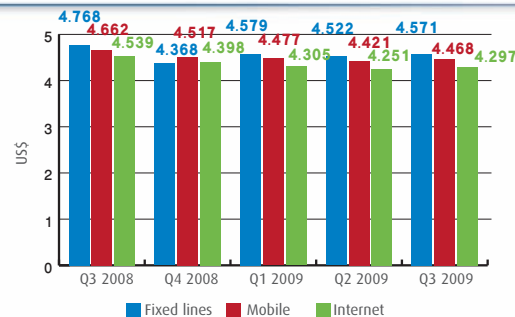
- International Internet bandwidth increased to 69727 Mb/s at the end of Q3 2009 compared to 27077 Mb/s at the end of Q3 2008, representing an annual growth rate of 157.51%.



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 Q3 2009 was USD 4.571 for a fixed service line*, USD 4.297 for mobile services** and USD 4.468 for Internet services***.



Source : Ministry of Communications and Information Technology, Information Center

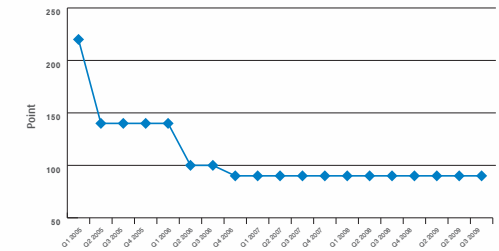
* The price for a residential fixed line is calculated as one-fifth of the installation charge, the monthly subscription charge and the cost of local calls (15 peak and 15 off-peak calls of three minutes each).

**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).

communications price index *

- Communications Composite Price Index reached 96.97 point in Q3 2009 compared to 96.79 point in Q3 2008 with annual growth rate of 0.18 point.
- It is worth mentioning that the ICT Services Composite Price Index had decreased during the period between Q1 2005 and Q4 2006, mean while it had witnessed a relative stability during the period Q1 2007 - Q3 2009.

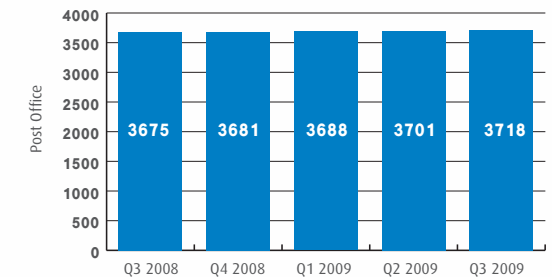


Source : Ministry of Communications and Information Technology, Information Center.

* Based on the recommendations of the Organization & Economic Cooperation & Development (OECD) and the World Bank, the ICT deflator calculated is based on a basket of ICT services taking into account the nature of telecommunications services in Egypt. The index has four main subcomponents: postal, 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 2009 on quarterly bases that complies with the periodicity of computing 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

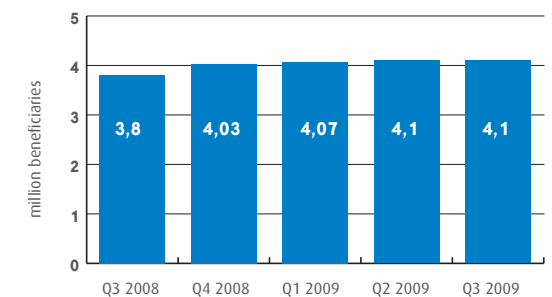
- The total number of post offices increased to 3718 at the end of Q3 2009, compared to 3675 at the end of Q3 2008, representing an annual increase of 43 offices and an annual growth rate of 1.17%.
- The average number of people served by individual post offices was 20.547 thousand by the end of Q3 2009, compared to 20.410 thousand at the end of Q3 2008, representing an annual increase 137 people and annual growth rate of 0.671%.



Source : Ministry of Communications and Information Technology, Egypt Post

Number of pensions distributed through postal offices

- Number of beneficiaries of pensions' distribution service through postal offices has increased to about 4.1 million beneficiaries in Q3 2009 compared to about 3.8 million beneficiaries in Q3 2008 with an annual growth rate of 7.9 %.
- On the other hand, number of pensions distributed through postal offices in the place of residence has increased to about 987 thousand beneficiaries in the period of Q3 2009 compared to 917 thousand beneficiaries in the period of Q3 2008 with an annual growth rate of 7.6%.



Source : Ministry of Communications and Information Technology, Egypt Post

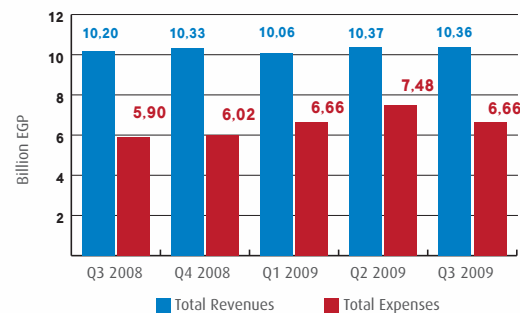
ICT Sector:

Main Economic Indicators

- ICT sector revenues Q3 2009: EGP 10.36 billion.
- Real growth rate of ICT sector GDP Q3 2009: 13.5%.
- ICT sector contribution to real GDP Q3 2009: 3.6%.
- ICT sector contribution to real GDP growth rate Q3 2009: 0.44 pps.
- Average annual FDI inflows into the ICT sector: USD 1 billion.
- Number of operating companies in the ICT sector Q3 2009: 3332
- Number of people employed in the ICT sector Q3 2009: 180021 thousand
- ICT sector exports (Jan-Sep 2009): USD 850 million.
- Value of Egypt stock Exchange telecommunication (July – September 2009): 552 point.
- Issued capital for ICT companies Q3 2009: 44.2 Billion EGP.
- Annual growth rate of revenues for ICT companies Q3 2009: 2%.
- ICT gross domestic product at fixed prices during Q3 2009: EGP 7.5 billion.
- ICT sector's contribution to the treasury (2008 estimated figure): EGP 6 billion.

ICT sector revenues and expenses

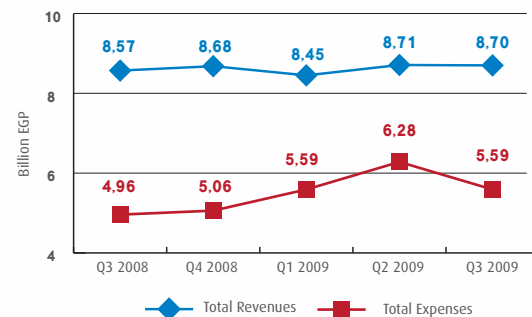
- The total revenues of operating companies in the ICT sector reached EGP 10.36 billion in Q3 2009 compared to EGP 10.2 billion in Q3 2008 representing an annual growth rate of 2 %.
- The total expenses of operating companies in the ICT sector increased to EGP 6.66 billion During Q3 2009 compared to EGP 5.9 billion during Q3 2008 representing an annual growth rate of 12.88%.



Source: Ministry of Communications and Information Technology – Information Center.

Revenues and Expenses of Main Telecommunications Companies**

- The total revenues of the main telecommunications companies reached EGP 8.7 billion in Q3 2009 compared to EGP 8.57 billion in Q3 2008.
- The total expenses of the main telecommunications companies increased to EGP 5.59 billion in Q3 2009 compared to EGP 4.96 billion in Q3 2008.

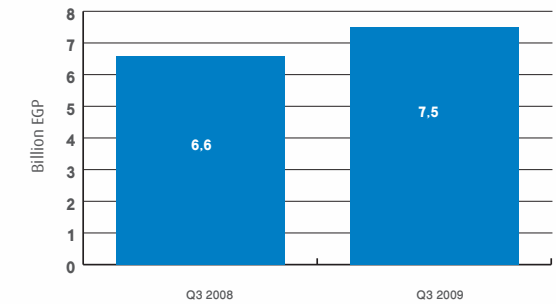


Source: Ministry of Communications and Information Technology – Information Center.

* Including: Telecom Egypt, Vodafone, Mobinil and Etisalat.

ICT GDP at Constant Prices

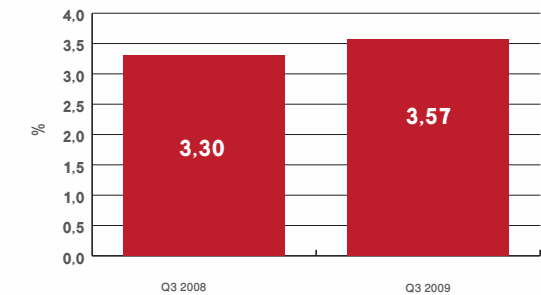
- ICT real GDP at constant prices reached 7.5 billion EGP during Q3 2009 compared to 6.6 billion EGP during Q3 2008.
- The private sector contributed with the biggest share of the sector's real GDP reached 5 Billion EGP during Q3 2009 constituting 66.5 % of the total ICT GDP.



Source: Ministry of State for Economic Development.

Contribution of ICT sector in real GDP

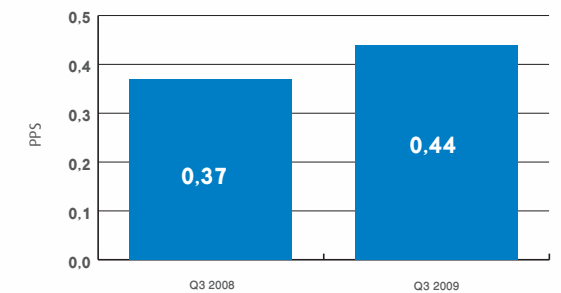
- The contribution of the ICT sector to real GDP at constant prices increased to 3.57 % during Q3 2009 compared to 3.3 % in during Q3 2008.
- It is noteworthy that total GDP at constant prices of the Egyptian Economy reached EGP 210.4 during Q3 2009.



Source: Ministry of State for Economic Development

Contribution of the ICT Sector to Real GDP Growth Rate

- The contribution of ICT sector to the real GDP growth rate increase to 0.44 pps out of 4.9% of the total GDP growth rate of the Egyptian economy during Q3 2009, constituting 9% of the growth rate during the same period, compared to 0.37 pps of the sector contribution in the economic growth rate by the end of Q3 2008.



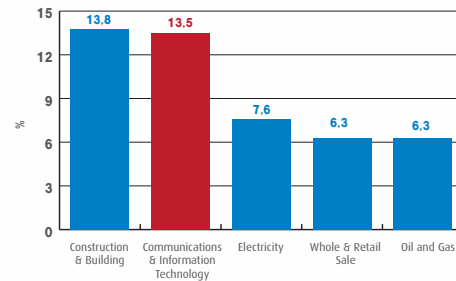
Source: Ministry of State for Economic Development

ICT Sector:

Main Economic Indicators

Real growth rate of ICT sector GDP at constant prices

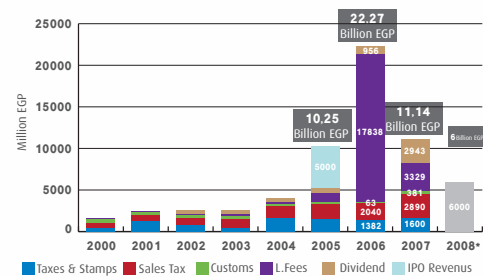
ICT Real GDP recorded the second highest sector growth rate during Q3 2009 to reach 13.5 % coming after the Construction & Building sector that achieved 13.8 % growth rate during the same period despite of the effect of the world economic crisis over a large number of economic sectors.



Source: Ministry of State of Economic development.

Contribution of ICT Sector to the Treasury

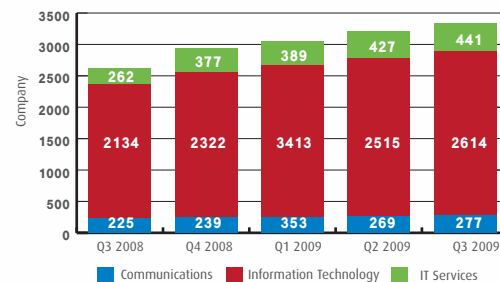
The ICT sector provided the treasury with revenue over EGP 33 billion in 2006 and 2007, compared to EGP 10.25 billion in 2005 with an increase of EGP 23.2 billion.



Source: Ministry of Communications and Information Technology, Information Center.

Number of ICT Companies According to Activities

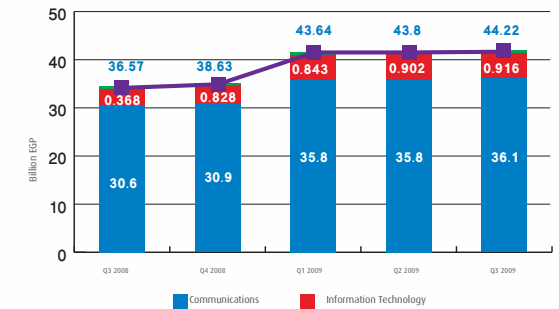
The number of ICT companies increased to 3332 at the end of Q3 2009, of which 78% were IT companies, 13% IT-enabled services companies and 8 % telecommunications companies. The number of ICT operating companies in Q3 2009 was 27 % higher than in Q3 2008.



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

Issued Capital For ICT Companies

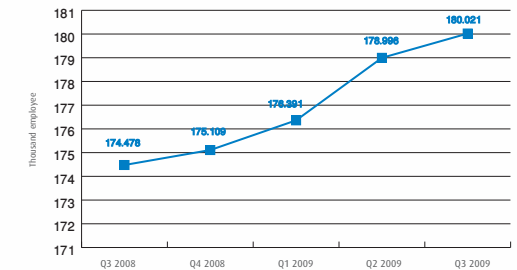
The total issued capital for ICT companies reached 44.2 Billion EGP during Q3 2009 compared to 36.57 Billion EGP during Q3 2008 with an annual growth rate of 21%. It is worth noting that the percentage of Issued capital for telecommunication companies reached 81.7%, while it reached 16.3% for IT companies and 2.1% IT-enabled services companies.



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

Total number of ICT direct employment

The total number of direct employees in the ICT sector reached 180.021 thousand employees during Q3 2009 compared to 174.478 thousand employees during Q3 2008 with an annual increase of 5.543 thousand employees. This figure includes: ICT sector employees, Telecom Egypt employees, Post employees and Smart Village employees, but doesn't include indirect employees in ICT sector working in IT clubs, internet cafes and private communication stores.

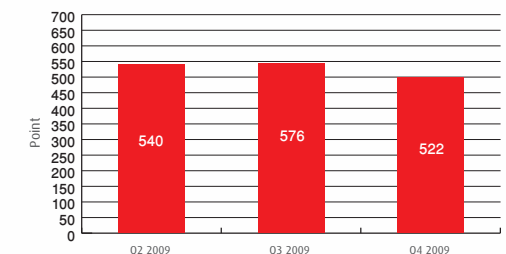


Source: Ministry of Communications and information Technology, Ministry of Investment, General Authority for Investment & Free Zones .General Authority for Investment & Free Zones .

Egypt's Stock Exchange telecommunication index

Average value of Egypt's Stock Exchange telecommunications index witnessed an increase in its value within (October-December)2009 to reach 498 point in Q4 2009 in comparison with 543 point in Q3 2009.

It is worth mentioning that this indicator includes 3 companies operating in the sector and listed in Egypt Stock Exchange. These are: Telecom Egypt , Mobinil, Orascom Telecom



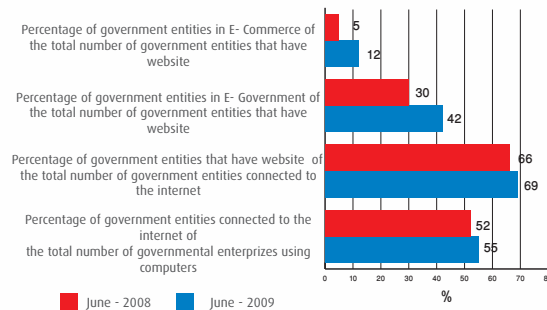
Source: Egypt Stock Exchange.

The ICT Sector's Role in Development

- Proportion of government entities using the internet (June 2009) : 55% of the total government entities using computers.
- Proportion of government entities having a website (June 2009) : 69% of the total government entities using the internet .
- Proportion of government entities participating in E-Government (June 2009): 42% of the total of government entities having a website.
- Number of people to receive specialized ICT training in Q3 2009: 38.35 thousand .
- Total number of trainees registered in the International Computer Driving License (ICDL) program by the end of Q3 2009: 1 million.
- Number of people to receive call center training in Q3 2009: 1245 trainees .
- Number of people to receive software training in Q3 2009: 387 trainees .

ICT uses in Governmental Sector

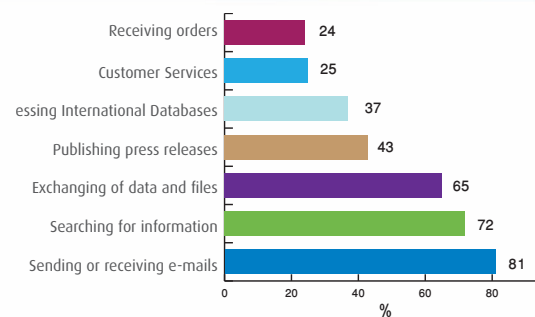
- Proportion of government entities using the internet has increased to about 55% of the total number of government entities using computers in June 2009 compared to about 52% in June 2008. On the other hand, Proportion of governmental entities having a website has increased to 69% in June 2009 compared to about 66% in 2008.
- Proportion of government entities participating in E-Government has increased to about 42% of the total number of government entities having a website in June 2009 compared to about 30% in June 2008. Also, proportion of government entities Proportion of E-Commerce has increased to 12% of the total number of government entities having a website in June 2009 compared to only 5% in June 2008.



Source: The results of the survey conducted by CAPMS about ICT usage in the government, different issues.

Internet uses in Governmental Sector

- Proportion of governmental entities that using the internet in sending and receiving e-mails has reached about 81%. While, Proportion of government entities using the internet in searching for information has reached about 72%. Whereas, Proportion of government entities using the internet in exchanging of data and files reached 65% of the total number of governmental entities using the internet. Other uses vary between participating in publishing press releases about the entity with a percentage of 43% , accessing international databases with a percentage of 37% and other aspects of use.



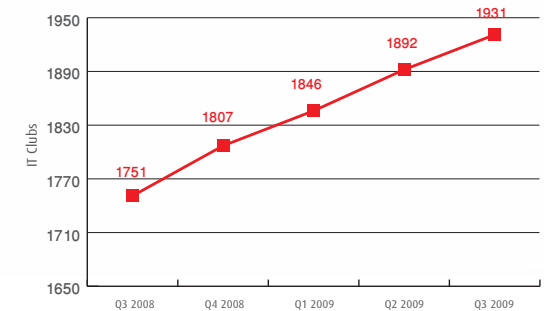
Source: The results of the survey conducted by CAPMS about ICT usage in the government, different issues.

*Multiple Answers is allowed.

Number of IT Clubs

- The number of IT Clubs increased to 1931 at the end of Q3 2009, compared to 1892 at the end of Q2 2009 and 1751 at the end of Q3 2008, representing a year-on-year increase of 180 clubs and an annual growth rate of 10.28%.
- The number of IT Clubs connected to the Internet reached 1715 representing 88.8% of the total number of IT Clubs, at the end of Q3 2009,

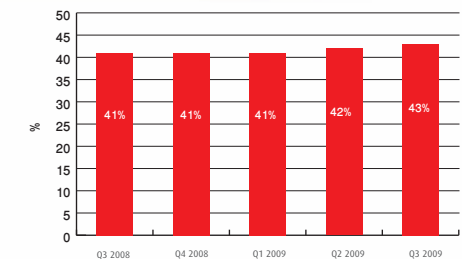
Region	Q1 2009	Q1 2008	(%) Growth rate
Border line governorates	105	98	7.14 %
Lower Egypt governorates	597	543	9.94 %
Upper Egypt governorates	676	623	8.51 %
Urban governorates	553	487	13.55 %
Total	1931	1751	10.28 %



Source: Ministry of communications and information technology - IT clubs Department.

Public Internet Access Points*

- Percentage of localities having internet access points has reached about 43% of the total number of localities in Egypt in Q3 2009 compared to about 41% in Q3 2008.

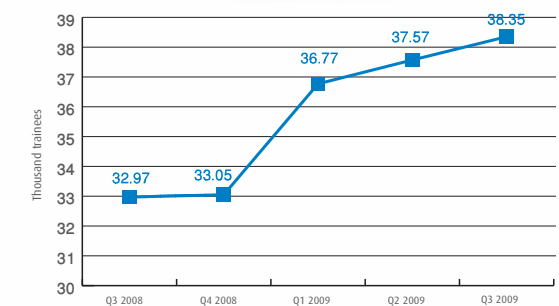


Source: Ministry of communications & information technology - IT clubs Department.

*The ratio of total localities, districts and cities connected to the internet to the total localities in Egypt .

Specialized & Professional ICT Training

- The total number of people to pass through the professional ICT training programs of the Information Technology Institute (ITI) and specialized ICT training programs of the National Telecommunication Institute (NTI) reached 38.35 thousand by the end of Q3 2009, compared to 32.97 thousand at the end of Q3 2008. This represents an annual increase of 5.38 thousand trainees and an annual growth rate of 16.31%.

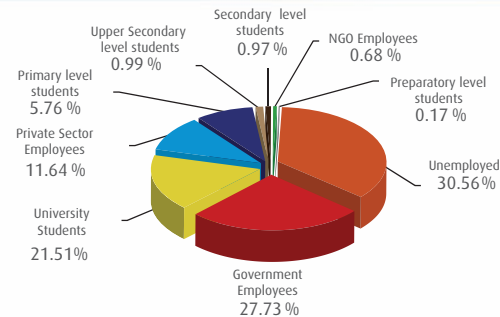


Source: Ministry of communication and information technology, National Telecommunication Institute (NTI) & The Information Technology Institute (ITI).

The ICT Sector's Role in Development

ICDL Trainees by Occupation

- The total number of registered trainees in the International Computer Driving License (ICDL) program in Egypt reached 1 million at the end of Q3 2009, of whom 210.621 Thousand had received the license.
- At the end of Q3 2009, 27.73% of ICDL trainees were working in governmental agencies, 30.56% were unemployed, 21.51% were university students, and 11.64% were working in the private sector and the rest were students in intermediate or secondary level education.

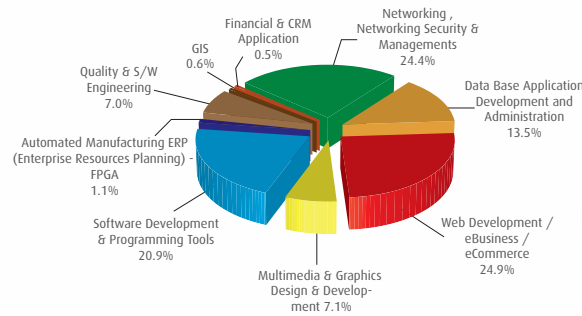


Source: Ministry of communications and information technology - Training Department

Number of Trainees in NTI's Specialized Training Program

- The trainees on the National Telecommunication Institute's specialized training program are distributed among the following courses:

	Q4 2008 *	Q4 2007
Data Base Application Development and Administration	3598	3051
Web Development / eBusiness / eCommerce	6666	6665
Multimedia & Graphics Design & Development	1892	1532
Software Development & Programming Tools	5588	4746
Automated Manufacturing ERP(Enterprise Resources Planning) - FPGA	300	237
Quality & S/W Engineering	1868	1386
GIS	172	0
Financial & CRM Application	127	0
Networking , Networking Security & Managements	6529	6529
Total	26740	24146

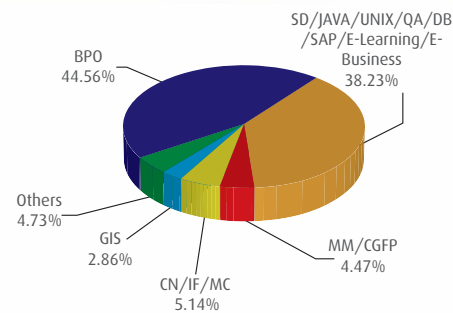


Source: Ministry of communications & information technology National Telecommunications Institute (NTI)

* According to the latest figures.

Number of Trainees on the ITI's Specialized Training Program

Track	Q3 2009*	Q3 2008
SD/JAVA/UNIX/QA/DB/SAP/E-Learning/E-Business	3594	3001
MM/CGFP	420	369
CN/IF/MC	483	408
GIS	269	258
VLSI/EM-SYS	130	97
Mecha	121	104
BMI	21	10
Linux	10	10
PC	70	70
AS 400	34	34
Main Frame	5	5
CAD	8	8
ERP	11	11
EBS	21	21
IE	14	14
Total	5211	4385
BPO	4189	2060
Grand Total	9400	6480



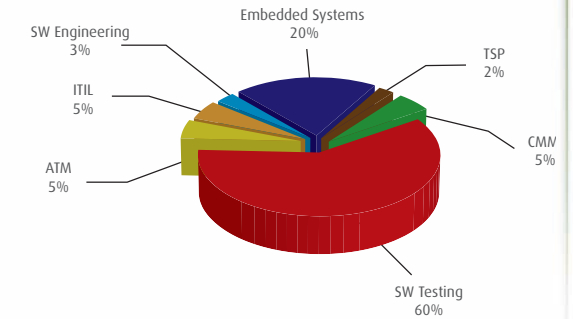
Source: Ministry of communications and information technology Information Technology Institute.

*According to the latest figures.

Number of trainees in software training

- The total number of trainees in the software field reached 387 trainees till Q3 2009, distributed as follows:

Tracks	Number Tracks of trainees (Q3 2009)
CMMI	21
SW Testing	230
ATM	20
ITIL	20
SW Engineering	12
Embedded Systems	77
TSP	7
Total	387



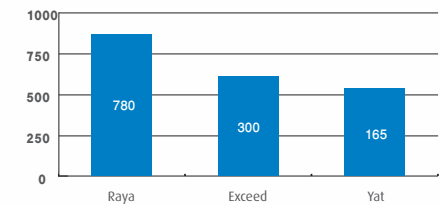
Source: Ministry of communications and Information Technology - Information Technology Industry Development Authority - Software engineering competence Center (SECC).

Numbers of trainees in call centers training

- The total number of people registered in call center training reached 1245 trainees by the end of Q3 2009.

- The trainees are distributed as follows:

780 RAYA Co.
300 EXCEED.
165 YAT.



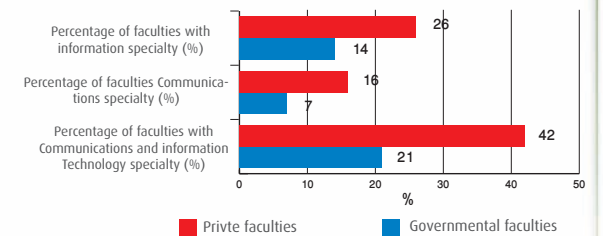
Source: Ministry of Communications and Information Technology

ICT usage in High Education

- Percentage of governmental faculties with Communications and Information Technology specialty has reached 21% in June 2009, while percentage of private faculties with Communications and Information Technology specialty has reached about 42%.

- On the other hand, percentage of governmental faculties with Communications specialty has reached about 7%, while, percentage of private faculties with Communications specialty has reached about 16%.

- Percentage of governmental faculties with Information Technology specialty has reached about 14%, while, percentage of private faculties with Information Technology specialty has reached about 26% .



Source: Ministry of Communications and Information Technology - Result of annual survey of ICT usage in High Education sector - multiple issues.

ICT Sector Indicators

Main Infrastructure Indicators

- Fixed line capacity increased to 14.37 million subscribers in Q3 2009, compared to 13.94 million in Q3 2008, representing an annual growth rate of 3.14%.
- Mobile subscribers increased to 53.4 million in Q3 2009, compared to 38.1 million in Q3 2008, representing an annual growth rate of 40.38%.
- Internet users increased to 14.04 million in Q3 2009, compared to 11.69 million in Q3 2008, representing an annual growth rate of 20.10%.
- Internet penetration increased to 18.4% in Q3 2009.
- ADSL subscribers increased to 930.46 thousand in Q3 2009, compared to 593.04 thousand in Q3 2008, representing an annual growth rate of 56.90%.

Main Economic Indicators

- ICT real GDP growth rate reached 13.5% in Q3 2009.
- ICT real GDP recorded the second highest economic growth rate in Q3 2009.
- The contribution of the ICT sector to real GDP of the Egyptian Economy increased from 3.30% in Q3 2008 to 3.6% in Q3 2009.
- The total number of direct employees in the ICT sector reached 180.02 thousand in Q3 2009, compared to 174.478 thousand in Q3 2008.
- The number of ICT companies reached 3332 by the end of Q3 2009, representing an annual growth rate of 27%.

ICT sector's role in development

- Proportion of government entities using the internet has increased to 55% of the total government entities using computers in June 2009, compared to 52% of the of government entities computers in June 2008.
- Number of IT clubs reached 1931 at the end of September 2009, whereas the number of IT clubs connected to the internet reached 1715 representing 88.8% of the total number of IT Clubs.
- The total number of specialized ICT trainees reached 38.35 Thousand by the end of Q3 2009, compared to 32.97 in Q3 2008, representing an annual increase of 16.31%.
- The number of people to receive software training in Q3 2009 was 387 trainees.