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ICT Sector Indicators

Provisional results. Year 2007

Companies in the ICT Sector experience an increase of 6.6% in turnover in 2007

Internal expenditure on R&D by companies in the ICT Sector grows 12.7% as compared with 2006

Turnover for companies in the Information and Communication Technologies (ICT) sector exceeded 103,702 million euros in the year 2007, with an increase of 6.6% as compared with 2006.

The ICT services sector registered turnover greater than 90,185 million euros, with an interannual increase of 6.1%. Within this sector, of note were IT activity companies, whose invoicing increased 14.3% to reach 24,163 million euros.

In turn, the manufacturing sector registered an interannual increase of 10.2% in turnover, invoicing more than 13,517 million euros.

Evolution of turnover in the ICT Sector

Economic data in thousands of euros

ICT Sector (NCEA-93)	2006		2007		% interannual variation 2007/2006
	Turnover	% compared to total 2006	Turnover	% compared to total 2007	
Manufacture (30,3130,32, 3320,3330)	12,261,604	12.6	13,517,396	13.0	10.2
Services:	84,999,023	87.4	90,185,278	87.0	6.1
Wholesale trade of machinery and equipment (5160,5167)	26,410,945	27.2	26,583,636	25.6	0.7
Telecommunications (6420)	37,442,300	38.5	39,438,744	38.0	5.3
IT activities (72)	21,145,778	21.7	24,162,897	23.3	14.3
TOTAL ICT SECTOR	97,260,627	100.0	103,702,674	100.0	6.6

Source: Industrial Companies Survey and Annual Services Survey

Employment in the ICT sector increases 5.0%

Companies in the ICT sector employed 415,489 persons in 2007, indicating an increase of 5.0% as compared with the previous year.

In the services sector, employed personnel reached 364,200 persons, 5.1% more than in 2006. Within this sector, IT activity companies exhibited the greatest increase in employment, with 8.0%. On the other hand, in the Telecommunications branch, the number of employed persons decreased 2.0%.

Employed personnel in the manufacturing sector was 51,289 persons, 4.6% more than the previous year.

The number of companies in the ICT sector located within Spain increased 3.3% in the year 2007, and reached the figure of 41,721.

Within the Services sector, the IT activities branch registered the greatest increase in the number of companies as compared with the year 2006, with an increase of 4.3%. In the Telecommunications branch, the number of companies decreased 19.7%.

Number of companies and persons employed in the ICT Sector

ICT Sector (NCEA-93)	2007			
	Number of employed persons	% interannual variation	Number of companies	% interannual variation
Manufacture (30,3130,32, 3320,3330)	51,289	4.6	1,961	-3.1
Services:	364,200	5.1	39,760	3.7
Wholesale trade of machinery and equipment (5160,5167)	62,703	1.6	6,026	3.8
Telecommunications (6420)	60,781	-2.0	662	-19.7
IT activities (72)	240,716	8.0	33,072	4.3
TOTAL ICT SECTOR	415,489	5.0	41,721	3.3

Source: Industrial Companies Survey and Annual Services Survey

Internal expenditure on R&D in the sector increases 12.7%

Companies in the ICT sector invested more than 1,252 million euros in R&D during the year 2007, that is, 12.7% more than the previous year.

Expenditure on internal R&D in the ICT Sector

ICT Sector	Expenditure on internal R&D		
	2006	2007	% interannual variation
Manufacture	295,274	386,065	30.7
Services	815,714	866,376	6.2
TOTAL ICT SECTOR	1,110,988	1,252,441	12.7
TOTAL BUSINESS SECTOR	6,557,529	7,453,902	13.7

Source: Statistics on R&D Activities

The number of employed persons on a full-time equivalent (FTE) dedicated to R&D tasks in the ICT sector was 16,935.3. Women accounted for 21.4% of them. Within this same branch, the number of researchers dedicated to R&D was 8,567.5, one in five of whom were women.

R&D personnel (on an FTE)

ICT Sector	R&D personnel (on an FTE). Year 2007			
	Total	% Women	Researchers	% Women researchers
Manufacture	4,173.3	13.9	2,569.7	12.0
Services	12,762.0	23.9	5,997.9	23.4
TOTAL ICT SECTOR	16,935.3	21.4	8,567.5	20.0
TOTAL BUSINESS SECTOR	87,542.6	30.2	42,100.5	29.1

Source: Statistics on R&D Activities

45.0% of companies in the ICT sector carry out innovative activities

45.0% of companies in the ICT sector carried out innovative activities during the year 2007, indicating an increase of 4.0% in expenditure on said activities, as compared with the previous year. By sector, 56.1% of manufacturing companies and 42.8% of companies in the services sector carried out innovative activities.

Innovative activities in the ICT Sector

ICT Sector	% ICT Sector companies with innovative activities	Evolution of ICT Sector expenditure on innovative activities		% interannual variation
		2006	2007	
Manufacture	56.1	398,445	478,672	20.1
Services	42.8	2,683,607	2,725,605	1.6
TOTAL ICT SECTOR	45.0	3,082,051	3,204,277	4.0
TOTAL BUSINESS SECTOR	15.5	16,533,416	18,094,616	9.4

Source: Technological Innovation in Companies Survey

The production value of ICT sector goods increases 3.3%

According to the Industrial Products Survey, the production value of ICT goods increased 3.3% in 2007, to reach 6,325.2 million euros.

Electronic components presented a 26.0% increase as compared with the year 2006. Conversely, interannual decreases were registered in *Computer equipment* (17.6%) and *Telecommunications equipment* (17.4%).

Production value of ICT Sector products, by group of products

Economic data in millions of euros

Groups of products	Production value		% interannual variation
	2006	2007	
1. Telecommunications equipment	1,100.3	908.9	-17.4
2. Computer equipment	513.6	423.5	-17.6
3. Electronic components	1,157.6	1,458.0	26.0
4. Audio and video equipment	2,196.2	2,311.2	5.2
5. Other ICT products	1,158.2	1,223.7	5.7
TOTAL ICT SECTOR	6,125.8	6,325.2	3.3
TOTAL INDUSTRIAL PRODUCTION	417,148.2	444,993.4	6.7

Source: Industrial Products Survey

Foreign trade of ICT products presents a negative balance of 17,596.4 million euros

The trade balance of ICT products in 2007 presented a negative balance of 17,596.4 million euros.

Exports totalled 6,343.4 million euros, whilst imports reached 23,939.9 million euros.

Foreign trade in the ICT Sector, by group of products in

Economic data in millions of euros

Groups of products	Exports	Imports	Trade balance	Rate of coverage
1. Telecommunications equipment	794.9	5,595.4	-4,800.4	14.2
2. Computer equipment	755.1	5,357.2	-4,602.1	14.1
3. Electronic components	1,076.2	5,779.8	-4,703.6	18.6
4. Audio and video equipment	2,709.5	5,035.0	-2,325.4	53.8
5. Other ICT products	1,007.6	2,172.5	-1,164.9	46.4
TOTAL ICT SECTOR	6,343.4	23,939.9	-17,596.4	26.5
TOTAL	185,023.2	285,038.3	-100,015.1	64.9

Source: Prepared by the INE with data from the State Tax Administration Agency

For further information see **INEbase-www.ine.es** All press releases at: **www.ine.es/prensa/prensa_en.htm**

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Methodological Annex

The ICT Sector is comprised of the manufacturing and services industries whose main activity is linked to the development, production, marketing and intensive use of Information and Communication Technologies. The ICT Sector is characterised by high rates of innovation, technological progress and productivity.

In statistical terms, the definition of the ICT Sector is developed through an exhaustive listing of the branches of activity corresponding to ICT companies (**focus by sector**) and ICT products (**focus by product**).

In order to determine the list of activities and products in the ICT sector, we have begun with the methodological work carried out by the OECD on the subject.

List of branches of activity in the ICT Sector, according to the NCEA-93 Classification

NCEA	Manufacture
3001	Manufacture of office machines
3002	Manufacture of computers and other IT equipment
3130	Manufacture of insulated wire and cable
3210	Manufacture of electronic valves, tubes and other components
3220	Manufacture of television and radio transmitters and apparatus for line telephony and line telegraphy
3230	Manufacture of television and radio receivers, sound or video recording or reproducing apparatus and associated goods
3320	Manufacture of instruments and appliances for measuring, checking, testing, navigating and other purposes, except industrial process control equipment
3330	Manufacture of industrial process control equipment
	Services
	Wholesale trade of machinery and equipment
5160	Wholesale trade of other electronic components and equipment
5167	Wholesale trade of computers, peripheral equipment and computer programmes
	Telecommunications
6420	Telecommunications
	Renting of office machinery and equipment and IT activities
7133	Renting of office machinery and equipment (including computers)
7210	Hardware consultancy
7221	Editing software
7222	Other consultancy activities and supply of computer programmes
7230	Data processing
7240	Activities related to databases
7250	Maintenance and repair of office, accounting and computing equipment
7260	Other activities related to IT

Information sources

The statistical information on the ICT Sector published in this press release was obtained from the following statistical operations:

- Industrial Companies Survey. INE
- Annual Services Survey. INE
- Statistics on R&D Activities. INE
- Technological Innovation in Companies Survey. INE
- Quarterly Labour Cost Survey. INE
- Industrial Products Survey. INE
- Survey on the Use of Information and Communication Technologies and Electronic Commerce in Companies. INE
- Foreign Trade Statistics (prepared by the INE with data from the State Tax Administration Agency, AEAT)