

**Name of collection:** Rilevazione sulle tecnologie dell'informazione e della comunicazione nelle imprese – Anno 2005/2006 (Survey on technology of information and communication in enterprises)

<p><b>Nature of collection</b> If possible, use the classification of collection types shown above e.g. <i>ICT use collection – business</i>. For “other” collections, provide details e.g. <i>Other ICT collection – ISPs</i>.</p>	ICT use collection – Business
<p><b>Collection agency</b></p>	ISTAT – National Statistical Institute
<p><b>General references to collection material</b> Metadata, questionnaires etc</p>	<p>Questionnaire and metadata in Italian are available on web to the following links:</p> <p>1) for ICT non financial <a href="http://siqua.istat.it/SIQual/visualizza.do?id=5000078">http://siqua.istat.it/SIQual/visualizza.do?id=5000078</a></p> <p>2) for ICT financial <a href="http://siqua.istat.it/SIQual/visualizza.do?id=7779947">http://siqua.istat.it/SIQual/visualizza.do?id=7779947</a></p>
<p><b>Survey basis or vehicle</b> E.g. Labour Force supplement, standalone survey, administrative byproduct data</p>	Two stand-alone surveys.
<p><b>Frequency of collection</b></p>	Annual
<p><b>Collection history</b> Reference dates and/or periods from the first to the latest collection</p>	2001-2006
<p><b>Whether collection is mandatory or voluntary</b></p>	Mandatory
<p><b>Scope and coverage of collection</b> Target population in terms of size, industry, population groups etc</p>	<p>SURVEY on NON Financial Enterprises, NACE: DA–DN F 50–52 55.1+55.2 60+61+62+63 64 70+71+73+74 72 92.11+92.12+92.13+92.20</p> <p>SURVEY on Financial Enterprises, NACE: 65.12, 65.22 66.01, 66.03 67.12, 67.13, 67.2 (additional information that will be provided to Eurostat)</p>

	<p>MULTI PURPOSE MODULE OF SBS SURVEY ON ENTERPRISES WITH 1-9 PERSONS EMPLOYED, NACE:</p> <p>DA–DN</p> <p>F</p> <p>G</p> <p>H</p> <p>I</p> <p>J (divisions 65 and 66 are excluded)</p> <p>K</p> <p>M</p> <p>N</p> <p>O (division 91 is excluded)</p> <p>Enterprise size:</p> <p>In the ICT survey, only enterprises with 10 and more persons employed were included.</p> <p>Geographic scope:</p> <p>All the territory of the country was considered.</p>
<p><b>Main classifications used</b> E.g. industry, size, commodity, occupation</p>	Industry, Size
<p><b>Collection methodology</b> E.g. face-to-face, mail, Web, telephone interview</p>	<p>Self-compilation of web questionnaires.</p> <p>Enterprises are now able to compile an online questionnaire via the Web (a pdf questionnaire is downloadable for an offline compilation and can be sent via the Internet); a login and a password was provided to enterprises with mailed questionnaires. Enterprises used this password to complete the questionnaire on-line on a Web site dedicated to Web or mixed survey (<a href="https://indata.istat.it">https://indata.istat.it</a>).</p>
<p><b>Reporting and Statistical units</b> Enterprise, establishment, household, etc</p>	Enterprise
<p><b>Sample frame used</b></p>	Frame population derived from enterprises with 10 and more persons employed that are included as "operating" in the business register.
<p><b>Sampling method</b> E.g. stratified random sampling, cluster sampling</p>	Stratified random sample: stratification by economic activities (24), by size classes (4: 10-49; 50-99; 100-249; 250 and more) and by geographical breakdown (21). Total number of strata: 24x4x21. Also used was a procedure to reduce overlapping with samples of other surveys.
<p><b>Sample size</b> For the most recent collection</p>	<p>Gross sample: 39,086</p> <p>Net sample: 18,694</p>
<p><b>Response rate</b> The responding proportion of the live in-scope population, most recent collection</p>	49,1%

<p><b>Methods for dealing with non-response (item and unit)</b> Indicate whether imputations are made for non-response and a short description of methods used.</p>	<p>Methods used for minimizing unit non-response: Letter of presentation of survey and showing respondents how the data they are providing are being used; call centre to contact for information and additional clarification (by phone or e-mail); instruction for questionnaire compilation.</p> <p>Methods used for unit non-response treatment: For non-response unit we use a correction factor in the weighting procedure.</p> <p>Methods used for item non-response treatment: We use logical imputations where we use deterministic (Sas program) procedures of imputation.</p> <p>If deterministic procedure is not possible, we use also stochastic procedures (SCIA - System Control Imputation Automatic is a generalised program for editing and automatic imputation of qualitative variables realised by ISTAT and using Fellegi-Holt methodology).</p> <p>To reduce quantitative item non-response, if possible, we contact the respondents in order to get answers to the missing key questions (e.g. if enterprise had e-commerce but doesn't indicate the volume of it).</p>
<p><b>Weighting of results</b> Weighting method e.g. by employment, number of enterprises, revenue</p>	<p>Number of enterprises and number of persons employed</p>
<p><b>Relative standard errors (or coefficients of variation) on main aggregates</b> For the most recent collection. These can be expressed as a range of values. For a given variable, the RSE or CV is equal to the ratio of the square root of the estimate of the sampling variance to the estimated value. It can be expressed as a fraction or a percentage.</p>	<p>Standard errors: For percentage of enterprises with Internet access: 567.83 For percentage of enterprises receiving orders via Internet in 2005: 361.86 For percentage of the number of persons employed used computers at least once a week, during January 2006: 40132.97</p>
<p><b>Known data quality issues with this collection</b> E.g. non-response bias, comparability problems over time, definitional issues, coverage deficiencies, timeliness of frame, high item non-response (identify topics which are particularly problematic).</p>	<p>There is a time lag between last update of business register (year 2003) used for sampling frame and reference period of survey (January 2006 for qualitative questions and 31/12/2005 for economic ones); in addition for weighting procedures we used a BR updated to 2005.</p>
<p><b>Output details</b> Please list (or link to) relevant publications for this collection. You can also email relevant files to the OECD.</p>	<p>The national dissemination strategy of survey results is based on two main products: A "statistiche in breve" released during the month of December 2006 that introduces the survey and its main evidences Survey information will be used for contribution to institutional products like Rapporto Annuale and Annuario Statistico Italiano and for meeting the needs of specific users like universities and public institutions that can eventually include partial outcomes of the survey in their publications.</p>

Other comments	
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