

# Standard documentation Meta information

(Definitions, comments, methods, quality)

on

## Statistics on the ICT usage in enterprises

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## Executive Summary

The survey on the usage of information and communication technologies (ICT) in enterprises provides annual, standardised, meaningful and internationally comparable data about the adoption and use of ICT in Austrian enterprises with at least ten employees in selected industries. Data on various ICT-related topics are collected: Internet usage, e-commerce sales, use of cloud services, data analytics or artificial intelligence (AI) as well as other indicators on e-business processes.

This statistic is carried out following a framework regulation (Regulation (EU) 2019/2152 of the European Parliament and the Council) which is complemented by annual implementation regulations. To this end, Eurostat and the Working Group of Statistics on the Information Society collaborate to develop a standardised questionnaire which is implemented in all member states of the European Union.

The results of the surveys are an important part of the benchmarking process which is carried out by the European Commission as part of action plans regarding the digital economy in order to monitor the progress of each member country in spreading and using information and communication technologies. These action plans (currently “Digital Decade”) form a strategic framework, setting political guidelines, that emphasise the significance of the digital economy and society or rather for gaining a sustainable benefit.

The survey on ICT usage in enterprises in Austria is conducted under the framework of a sample survey, commissioned by Eurostat and the Federal Ministry of Finance (BMF). It is conducted annually in the first half of the calendar year since 2001 and includes enterprises with a least ten employees from selected industries. In the survey 2023, enterprises from the following industries according to Austria's industrial classification system (ÖNACE 2008) based on the European Union's industrial classification system (NACE Rev. 2) were surveyed: C, D, E, F, G, H, I, J, L, M, N und S (only 95.1).

The gross sample comprises approximately 11 000 enterprises with at least ten employees. Statistical unit is the enterprise which is systematically classified according to its legal headquarter/main office. Regional breakdowns are possible for the first time in 2023. By increasing the sample size, data is available at the level of the nine federal states (NUTS 2 regions).

Enterprises' participation in the survey is voluntary. Austrian results are annually transmitted to Eurostat in October of the survey year, and are then published nationally. EU-wide results are published by Eurostat, usually in December of the survey year.

The list of questions is divided into core questions which are asked regularly and are not or only slightly changed over the years, and special topics which change every year. The purpose is to cover a wide range of topics regarding the digital economy, while also accommodating the rapid developments in this area. “Data Analysis” and “Artificial Intelligence (AI)” have been selected as key topics for 2023.

Besides the distinction between core questions and special topics, the European model questionnaire also differentiates between compulsory and optional questions. The results of the compulsory questions

must be transmitted to Eurostat by all EU member countries. Optional questions can be asked by each country voluntarily or they can be collected on a compulsory basis under the framework of a grant.

**Figure 1 Overview of statistics on the digital economy and society**

Statistics on the digital economy and society		
Survey	ICT usage in enterprises	ICT usage in households and individuals
Core indicators	<ul style="list-style-type: none"> <li>➤ Internet usage</li> <li>➤ E-commerce</li> <li>➤ Cloud computing services</li> <li>➤ ICT specialists</li> </ul>	<ul style="list-style-type: none"> <li>➤ ICT equipment in households</li> <li>➤ Computer and internet usage by individuals</li> <li>➤ Online shopping</li> </ul>
Special topics	<ul style="list-style-type: none"> <li>➤ 2007: Skills</li> <li>➤ 2008: E-business</li> <li>➤ 2009: E-commerce</li> <li>➤ 2010: E-security</li> <li>➤ 2011: E-government</li> <li>➤ 2012: Mobile internet usage</li> <li>➤ 2013: Social media</li> <li>➤ 2014: Cloud computing services</li> <li>➤ 2019: ICT security</li> <li>➤ 2020: Big-data analysis</li> <li>➤ 2021: Artificial intelligence</li> <li>➤ 2022: ICT security</li> <li>➤ 2023: Data Analytics, Artificial intelligence</li> </ul>	<ul style="list-style-type: none"> <li>➤ 2007: Skills and digital literacy</li> <li>➤ 2008: Advanced services</li> <li>➤ 2009: E-commerce and trust</li> <li>➤ 2010: E-security</li> <li>➤ 2011: E-skills</li> <li>➤ 2012: Mobile internet usage</li> <li>➤ 2013: E-government</li> <li>➤ 2014: Cloud computing services</li> <li>➤ 2018: ICT at work</li> <li>➤ 2019: ICT security</li> <li>➤ 2020: Internet of things; Trust, security and privacy</li> <li>➤ 2021: Privacy and protection of personal data</li> <li>➤ 2022: Internet of things, sustainability</li> <li>➤ 2023: Privacy and protection of personal data, E-skills</li> </ul>

## ICT usage in enterprises – Key Points

<b>Subject matter</b>	Usage of information and communication technologies in Austrian enterprises with at least ten employees in selected industries
<b>Population</b>	Enterprises with at least ten employees in selected industries of the following NACE Rev. 2 sectors (Status: Survey 2022): C, D, E, F, G, H, I, J, L, M, N and S (only 95.1) Population size: approx. 43 000 enterprises
<b>Type of statistics</b>	Primary sample survey also using administrative data (turnover, employees); stratified sample by main economic activity (NACE Rev. 2) and by three size classes Sample size: approx. 11 000 enterprises
<b>Data sources/Survey techniques</b>	Indicators on ICT usage originate from a primary survey. Turnover and employees come from data of the umbrella organisation of the Austrian social security institutes, SBS or Short-term Statistics, if not available, from the business register.
<b>Reference period or due day</b>	In general, the time of the survey period. For selected questions the year before the survey year.
<b>Periodicity</b>	Annual.
<b>Survey participation (in case of a survey)</b>	Voluntary.
<b>Main legal acts</b>	The survey is based on a framework regulation ( <a href="#">Regulation (EU) 2019/2152</a> of the European Parliament and of the Council of 27 November 2019 on European business statistics, repealing 10 legal acts in the field of business statistics. Additionally, there is an annual implementing regulation ( <a href="#">Implementation Regulation (EU) 2022/1344</a> ) of the Commission which lists the requested indicators in detail.
<b>Most detailed regional breakdown</b>	Federal states of Austria.
<b>Availability of results</b>	Final data: t + 9 months.