

D Enterprises

Since 2002, the Czech Statistical Office (CZSO) has been regularly monitoring developments in usage of information technologies by enterprises using an independent annual statistical survey titled: "Survey on the Use of ICT in the Business Enterprise Sector".

In 2011 this survey was conducted in the first quarter, with the response size of approximately 6 500 enterprises with 10 or more employees. The resulting data was then extrapolated to the entire population of enterprises in the Czech Republic (46 thousands enterprises).

Since 2006, the survey has been conducted according to the annual implementing measures of the **Framework Regulation (EC) no. 808/2004** concerning statistics on the information society that ensure data harmonisation and comparability among EU countries.

Notes:

Reference period: 31 December; for the years 2000–2004, since 2006 the reference period refers to January of the monitored year. In the case of electronic commerce and using the Internet for interaction with public authorities, the data pertains to the entire year.

Sample size: 9 000 enterprises with 10 and more persons employed

Data comparability:

- The data for January 2009, 2010 and 2011 are not fully comparable with data for previous years. This difference is due to implementation of new NACE classification.
- The data for the Czech Republic presented by Eurostat may differ slightly from data presented by the CZSO. This difference is due to the fact that Eurostat does not include, as part of the data it publishes, enterprises from the financial sector.

Definitions:

- **Broadband** – see definitions in **Chapter A** of this publication
- **Electronic commerce** shall mean purchases or sales (placing or accepting orders) via the Internet or other computer networks through websites (Web e-commerce) or the electronic data interchange (EDI e-commerce), regardless the method of payment or delivery. *Purchases (sales) implemented on the basis of orders prepared from information obtained on the Internet but placed in a traditional way (by phone, fax, or written order) or by electronic mail are not included.*
- **Electronic data interchange (EDI)** refers to the structured transmission of data or documents (messages) between organizations or enterprises by electronic means in an agreed format which allows its automatic processing (e.g. EDIFACT, XML, etc.) and without the individual message being manually typed.
- **Homeworker** is defined here as a person working at least half day per week from their homes (home office) or from other premises of their choosing other than the workplace, for remuneration, by using ICT to conduct and deliver results of a product or service specified by the employer.
- **Intranet** is an internal company communications network using Internet protocol allowing communications within an organisation.

Detailed **methodical information** in respect of this survey is contained in the annual publication titled: "Use of ICT in the Business Sector in 2011, Code 9702-11", which is freely available on the CZSO's website.

The **Eurostat** online database for **Information society statistics** was used for the international comparison.

Further information on ICT usage by enterprises can be found at:

http://www.czso.cz/csu/redakce.nsf/i/podnikatelsky_sektor

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Tab. D1 Enterprises using an internal computer network and related technologies in the Czech Republic; January 2011

	%		
	Total	WLAN	Intranet
Total (10 and more employees)	70,0	46,5	30,6
Small enterprises (10-49)	64,9	41,5	25,7
Medium enterprises (50-249)	89,3	64,0	45,0
Large enterprises (250+)	97,8	80,3	74,8
NACE category:			
Manufacturing	70,1	44,2	28,9
Electricity, gas and water supply	74,2	46,3	37,2
Construction	63,8	41,8	27,2
Sale and repair of motor vehicles	81,2	59,8	36,8
Wholesale trade	85,7	57,6	35,3
Retail trade	57,6	40,3	22,5
Transport and storage	63,2	41,1	24,5
Accommodation	75,4	67,2	31,6
Food and beverage services	40,6	28,8	16,4
Travel agency and related activities	83,4	51,2	42,4
Media industries incl. publishing activ.	91,6	63,9	47,7
Telecommunications	97,1	86,3	73,7
Computer programm. and related activ.	96,5	82,2	76,1
Financial and insurance activities	94,4	53,3	73,5
Real estate activities	76,2	43,5	28,2
Professional, scientific activities	88,0	55,6	40,7
Administrative and support activities	46,3	30,9	21,9

as a percentage of all enterprises in a given group

WLAN - wireless access within the internal computer network

Figure D1 Enterprises using wireless access within their internal computer network (WLAN)

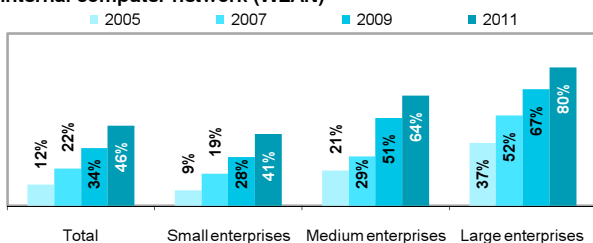
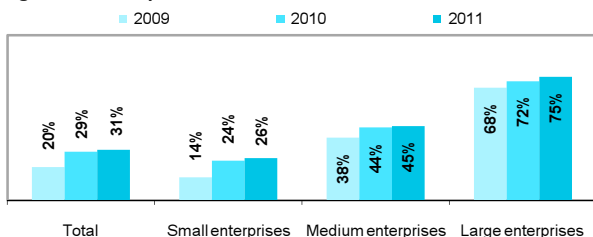


Figure D2 Enterprises with intranet

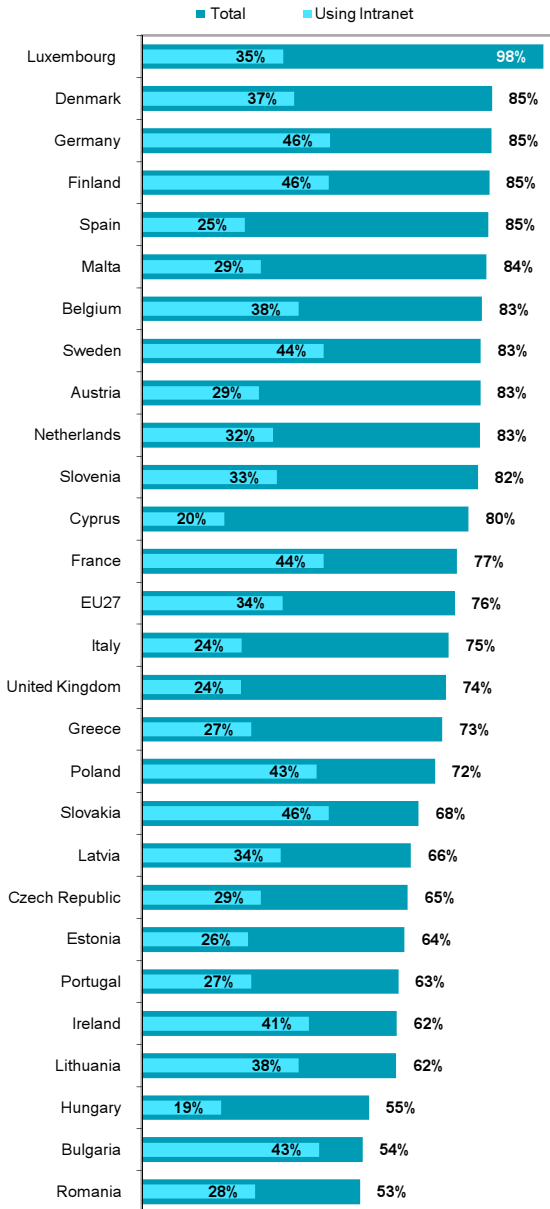


as a percentage of all enterprises in a given size class

Source: Czech Statistical Office, Enterprise Survey on ICT Use

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**Figure D3 Enterprises using internal computer network;
January 2010**



as a percentage of all enterprises

Source: Eurostat, 2011

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Tab. D2 Enterprises with Internet in the Czech Republic; 2011

%

	Total	fixed broadband	mobile broadband
Total (10 and more employees)	96,3	87,4	25,3
Small enterprises (10-49)	95,6	85,4	20,4
Medium enterprises (50-249)	98,8	94,7	41,5
Large enterprises (250+)	99,7	98,8	62,1
NACE category:			
Manufacturing	97,3	88,4	21,8
Electricity, gas and water supply	98,2	91,0	33,0
Construction	95,4	85,6	21,8
Sale and repair of motor vehicles	99,5	91,5	26,3
Wholesale trade	99,6	93,4	41,0
Retail trade	92,4	77,9	18,4
Transport and storage	97,8	87,5	24,1
Accommodation	97,8	90,4	16,7
Food and beverage services	88,9	78,3	7,8
Travel agency and related activities	98,4	94,4	35,0
Media industries incl. publishing activ.	98,8	94,4	40,0
Telecommunications	98,1	97,0	52,1
Computer programm. and related activ.	99,6	95,8	52,7
Financial and insurance activities	98,7	96,0	57,6
Real estate activities	94,3	88,0	23,5
Professional, scientific activities	98,5	93,0	29,8
Administrative and support activities	88,3	74,8	22,6

as a percentage of all enterprises in a given group

Figure D4 Speed of Internet connection used by enterprises

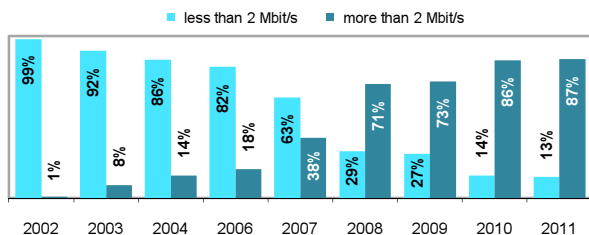
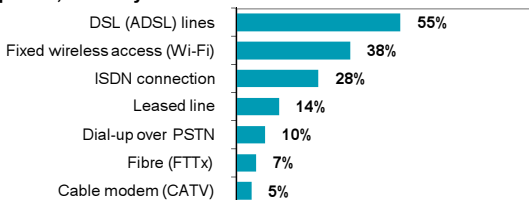


Figure D5 Type of fixed internet connection used by enterprises; January 2011



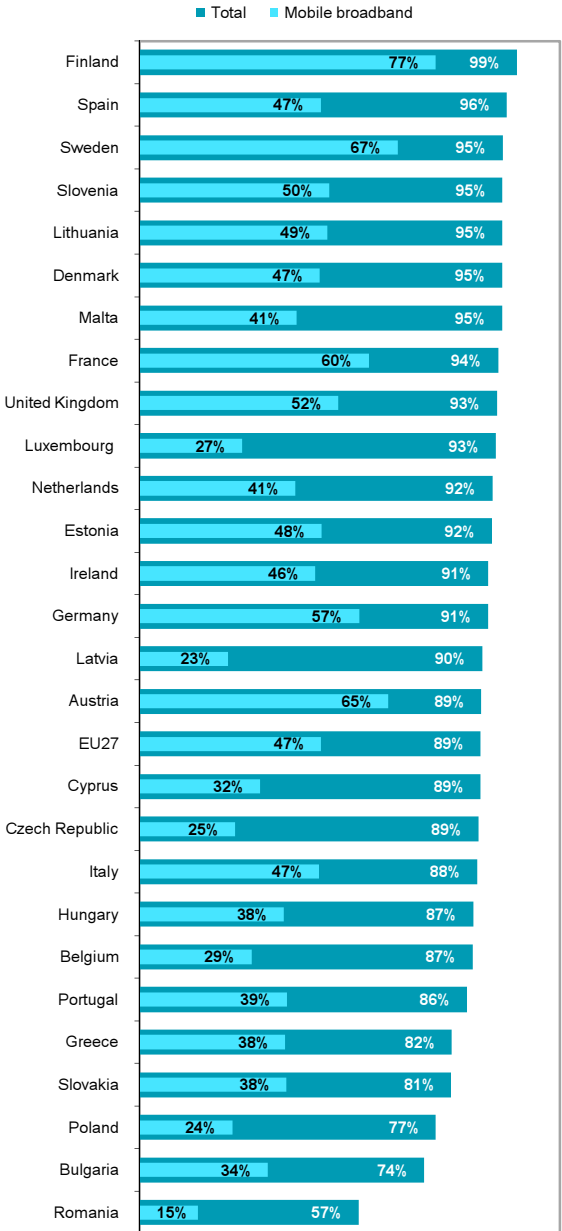
Note: Multiple responses allowed

as a percentage of enterprises with internet access

Source: Czech Statistical Office, Enterprise Survey on ICT Use

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Figure D6 Enterprises with broadband access; January 2011



as a percentage of all enterprises

Source: Eurostat, 2012

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Tab. D3 Internet use by enterprises in the Czech Republic; 2011

%

	Enterprises using Internet for:		
	Internet banking	Training of employees	Internet telephony
Total (10 and more employees)	89,3	15,0	24,8
Small enterprises (10-49)	88,0	12,3	22,6
Medium enterprises (50-249)	94,1	22,0	32,7
Large enterprises (250+)	95,8	45,3	39,8
NACE category:			
Manufacturing	91,2	11,0	24,9
Electricity, gas and water supply	90,8	17,3	20,1
Construction	90,8	9,1	13,1
Sale and repair of motor vehicles	93,0	35,7	27,6
Wholesale trade	97,1	22,0	33,7
Retail trade	83,4	10,5	25,2
Transport and storage	91,1	14,1	16,3
Accommodation	82,6	11,0	21,4
Food and beverage services	72,7	4,0	13,4
Travel agency and related activities	96,0	18,6	60,0
Media industries incl. publishing activ.	93,3	24,2	41,5
Telecommunications	95,0	54,0	77,3
Computer programm. and related activ.	93,9	54,8	59,4
Financial and insurance activities	92,8	47,6	44,1
Real estate activities	88,5	13,3	21,5
Professional, scientific activities	89,1	22,7	35,2
Administrative and support activities	74,8	10,2	16,5

as a percentage of all enterprises in a given group

Figure D7 Enterprises using Internet banking

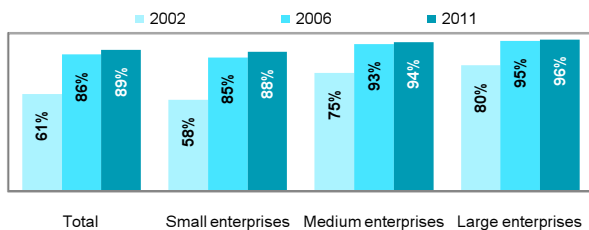
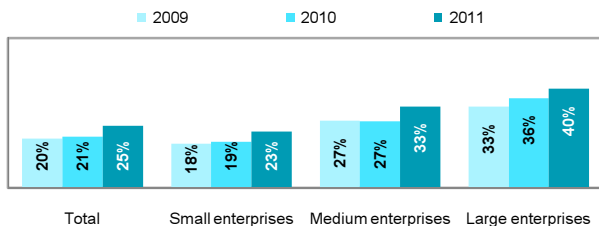


Figure D8 Enterprises using Internet telephony (VoIP)

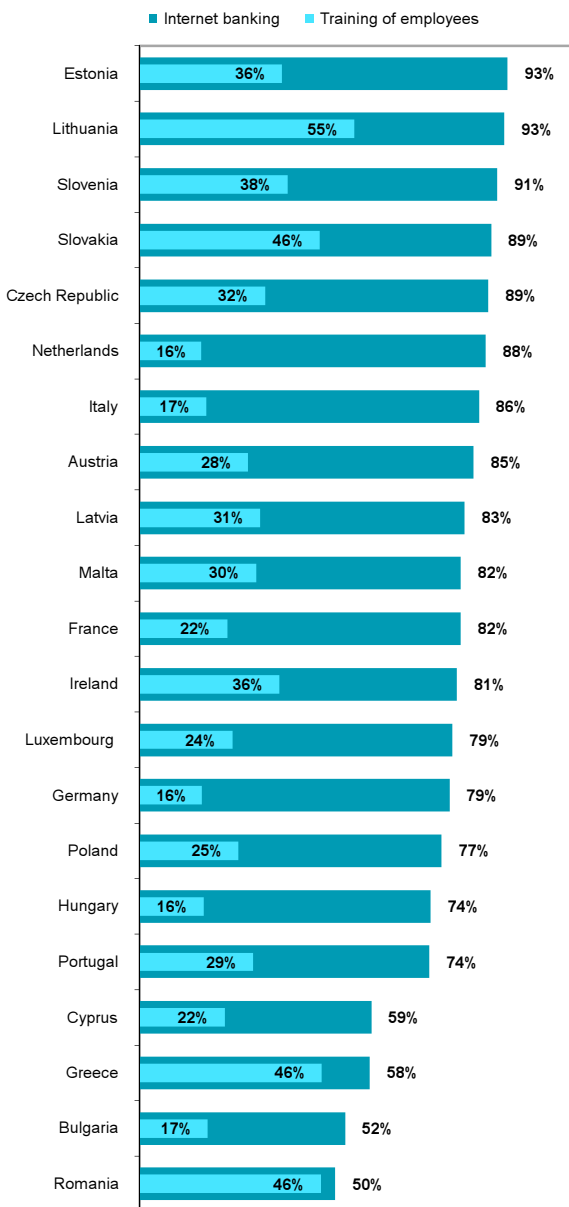


as a percentage of all enterprises in a given size class

Source: Czech Statistical Office, Enterprise Survey on ICT Use

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Figure D9 Internet use by enterprises; January 2010



as a percentage of all enterprises

Source: Eurostat, 2011

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Tab. D4 Enterprises with a Web site in the Czech Republic; 2011

%

	Total	Available in foreign language	Created by external company
Total (10 and more employees)	77,7	30,7	62,3
Small enterprises (10-49)	74,6	24,2	60,0
Medium enterprises (50-249)	89,9	54,2	71,7
Large enterprises (250+)	93,2	71,1	72,1
NACE category:			
Manufacturing	77,3	41,2	62,2
Electricity, gas and water supply	77,4	24,4	64,1
Construction	78,0	9,9	62,4
Sale and repair of motor vehicles	92,5	11,6	81,9
Wholesale trade	89,7	33,3	71,4
Retail trade	62,3	10,6	52,5
Transport and storage	61,6	24,3	53,9
Accommodation	97,0	79,1	83,2
Food and beverage services	67,7	26,7	57,3
Travel agency and related activities	96,1	54,4	81,4
Media industries incl. publishing activ.	97,1	34,8	68,2
Telecommunications	97,1	35,1	42,4
Computer programm. and related activ	92,6	63,4	39,3
Financial and insurance activities	96,1	62,6	81,1
Real estate activities	77,9	29,9	66,0
Professional, scientific activities	88,5	43,5	66,7
Administrative and support activities	60,4	19,3	49,7

as a percentage of all enterprises in a given group

Figure D10 Enterprises with a Web site

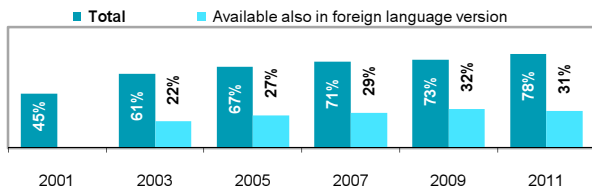
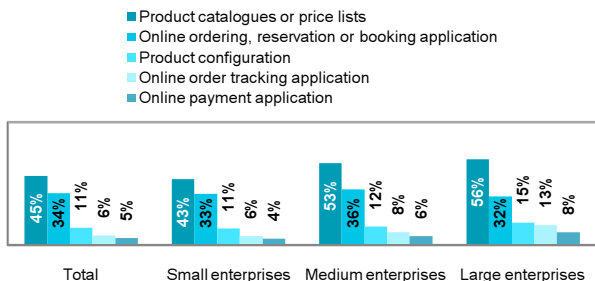


Figure D11 Sales related applications available on enterprises' web sites; January 2011

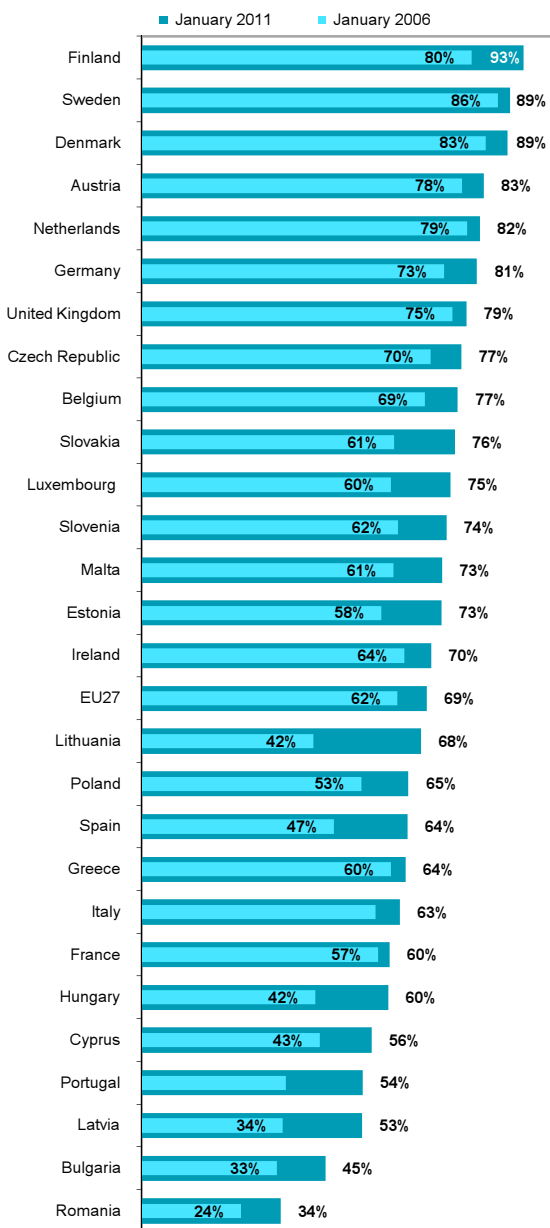


as a percentage of all enterprises in a given size class

Source: Czech Statistical Office, Enterprise Survey on ICT Use

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Figure D12 Enterprises with a Web site



as a percentage of all enterprises

Source: Eurostat, 2012

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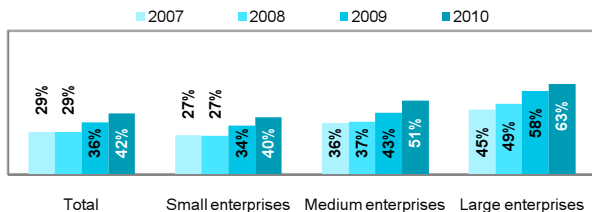
Tab. D5 Value of enterprises' e-purchases in the CR; 2010

%

	Total	via web sites	using EDI
Total (10 and more employees)	24,7	6,9	17,9
Small enterprises (10-49)	15,3	9,0	6,3
Medium enterprises (50-249)	24,4	11,2	13,2
Large enterprises (250+)	28,5	3,7	24,8
NACE category:			
Manufacturing	22,5	4,6	17,9
Electricity, gas and water supply	30,8	7,8	23,1
Construction	6,7	3,5	3,2
Sale and repair of motor vehicles	41,7	12,8	28,8
Wholesale trade	27,8	10,8	16,9
Retail trade	34,1	5,6	28,4
Transport and storage	12,8	4,1	8,7
Accommodation	12,7	8,5	4,2
Food and beverage services	8,3	3,8	4,5
Travel agency and related activities	30,9	9,5	21,4
Media industries incl. publishing activ.	11,4	6,7	4,7
Telecommunications	31,6	4,4	27,2
Computer programm. and related activ.	42,0	19,7	22,2
Real estate activities	13,8	13,1	0,8
Professional, scientific activities	20,7	5,9	14,8
Administrative and support activities	12,6	10,1	2,4

as a percentage of all enterprises' purchases in a given group

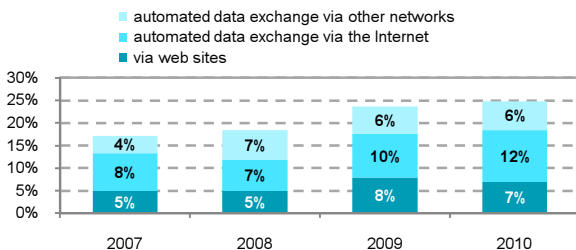
Figure D13 Enterprises placing orders via Internet and other electronic networks*



* Includes all enterprises that during the reference year placed at least one order over the Internet or any other network to buy any good or service.

as a percentage of all enterprises in a given size class

Figure D14 Value of enterprises' purchases via Internet and other electronic networks

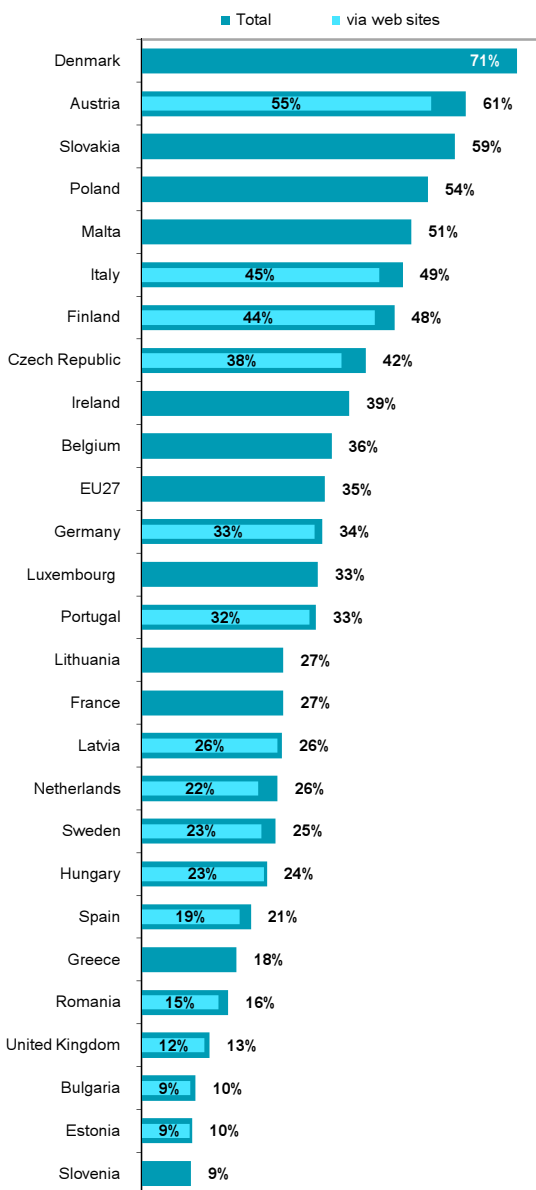


as a percentage of the total financial value of all enterprises' purchases

Source: Czech Statistical Office, Enterprise Survey on ICT Use

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Figure D15 Enterprises placing orders via Internet and other electronic networks; 2010



as a percentage of all enterprises

Source: Eurostat, 2012

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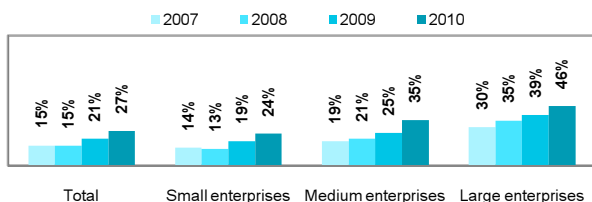
Tab. D6 Enterprises' turnover from e-orders in the CR; 2010

%

	Total	via web sites	using EDI
Total (10 and more employees)	22,1	5,5	16,6
Small enterprises (10-49)	10,6	4,4	6,3
Medium enterprises (50-249)	19,5	6,0	13,5
Large enterprises (250+)	27,7	5,7	22,0
NACE category:			
Manufacturing	29,0	5,6	23,4
Electricity, gas and water supply	24,2	2,5	21,7
Construction	3,6	1,4	2,2
Sale and repair of motor vehicles	26,1	9,4	16,7
Wholesale trade	23,3	6,5	16,8
Retail trade	5,2	3,0	2,2
Transport and storage	22,0	7,4	14,6
Accommodation	30,6	19,0	11,5
Food and beverage services	2,3	1,4	0,9
Travel agency and related activities	29,8	22,9	7,0
Media industries incl. publishing activ.	8,2	6,0	2,2
Telecommunications	34,5	31,0	3,4
Computer programm. and related activ.	22,6	8,6	13,9
Real estate activities	2,9	1,7	1,2
Professional, scientific activities	3,3	1,6	1,7
Administrative and support activities	12,6	4,1	8,5

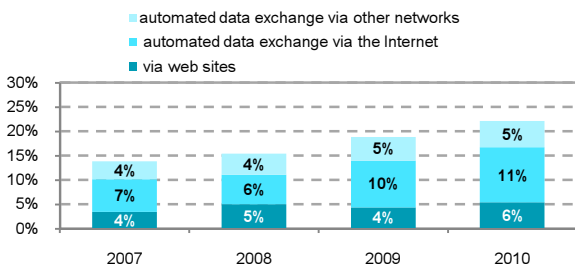
as a percentage of the total turnover of all enterprises in a given group

Figure D16 Enterprises receiving orders via Internet and other electronic networks*



* Includes all enterprises that during the reference year received at least one order over the Internet or any other network for selling any good or service.
as a percentage of all enterprises in a given size class

Figure D17 Enterprises' turnover from orders received via Internet and other electronic networks

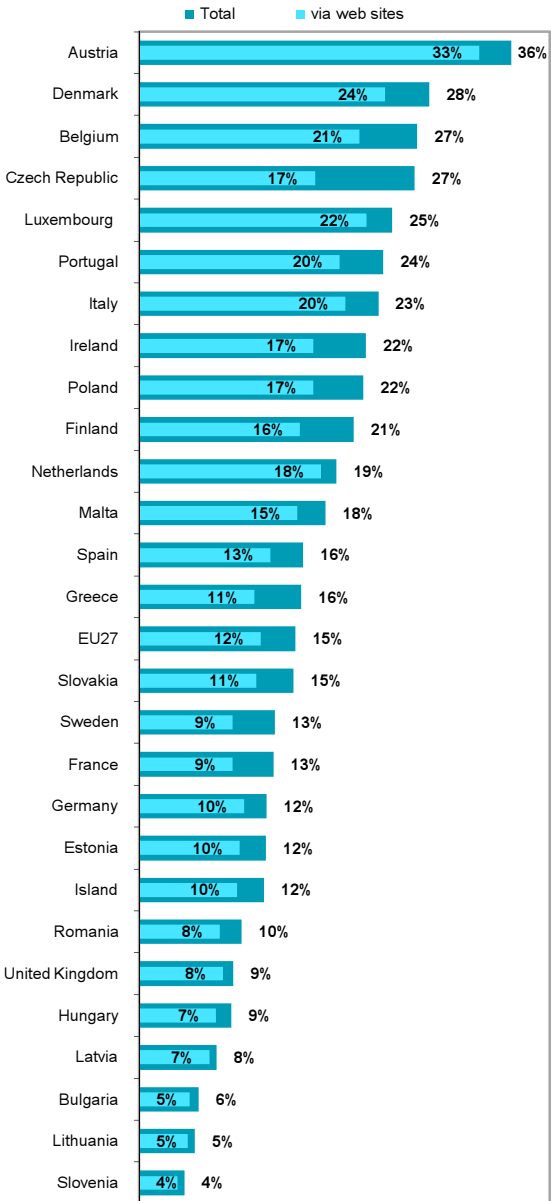


as a percentage of the total turnover of all enterprises

Source: Czech Statistical Office, Enterprise Survey on ICT Use

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Figure D18 Enterprises receiving orders via Internet and other electronic networks; 2010



as a percentage of all enterprises

Source: Eurostat, 2012

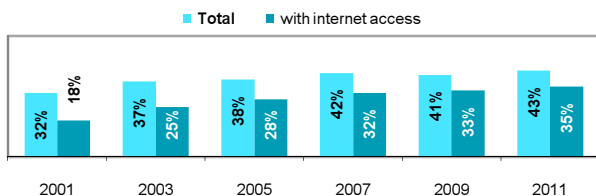
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Tab. D7 Employees of enterprises in the Czech Republic using IT at work; January 2011

	Computer	Computer with Internet access	ICT with 3G Internet access*
Total (10 and more employees)	42,7	34,9	5,3
Small enterprises (10-49)	41,3	38,4	6,0
Medium enterprises (50-249)	40,1	36,1	5,2
Large enterprises (250+)	44,9	32,4	5,0
NACE category:			
Manufacturing	36,5	27,1	2,7
Electricity, gas and water supply	43,6	39,6	5,3
Construction	36,4	35,5	5,8
Sale and repair of motor vehicles	64,1	60,1	6,0
Wholesale trade	64,3	58,8	10,8
Retail trade	39,9	25,6	2,2
Transport and storage	40,6	22,7	2,6
Accommodation	37,8	34,0	2,1
Food and beverage services	20,4	14,5	1,8
Travel agency and related activities	66,6	66,2	6,6
Media industries incl. publishing activ.	73,3	72,5	14,2
Telecommunications	89,1	88,6	49,5
Computer programm. and related activ.	88,7	88,0	25,8
Financial and insurance activities	82,0	81,1	13,6
Real estate activities	41,5	39,6	4,5
Professional, scientific activities	77,5	74,9	16,7
Administrative and support activities	15,0	13,7	1,8

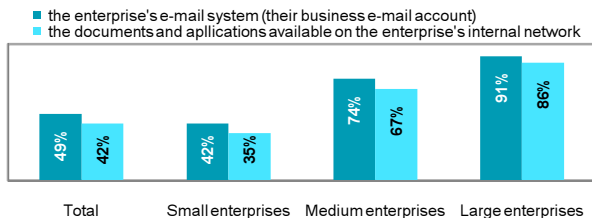
* portable computer with 3G modem or 3G mobile telephone as a percentage of all employees in a given enterprise group

Figure D19 Employees using a computer at work



as a percentage of all employees in enterprises

Figure D20 Enterprises giving remote access for employees to: , January 2011

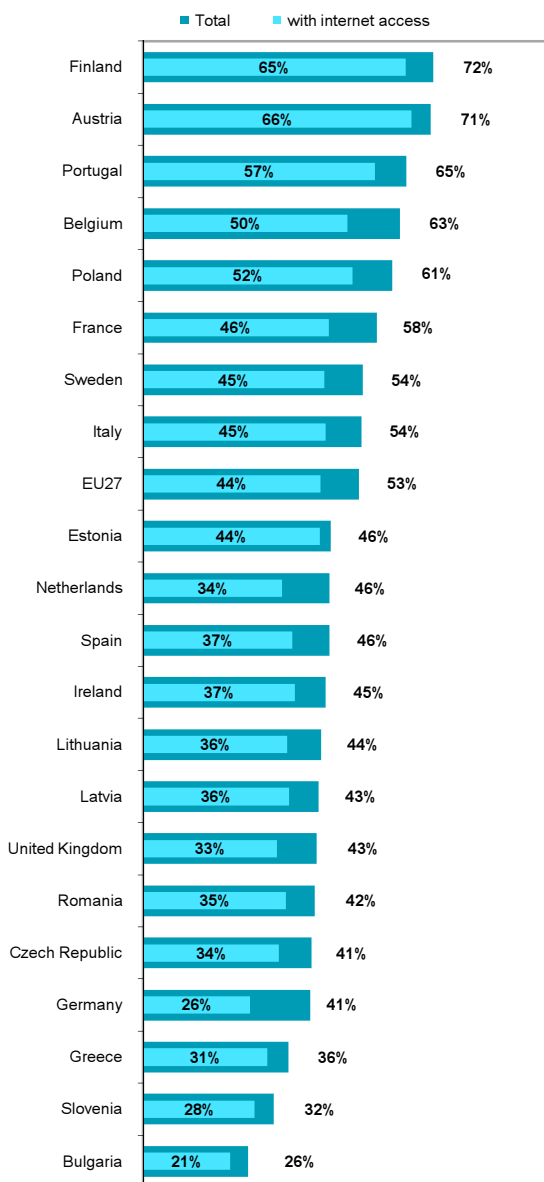


as a percentage of all enterprises in a given size class

Source: Czech Statistical Office, Enterprise Survey on ICT Use

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Figure D21 Employees using a computer at work; January 2011



as a percentage of all employees in enterprises

Source: Eurostat, 2012

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Tab. D8 Homeworking in Czech enterprises; January 2011

%

	enterprises enabling this possibility (1)	employees using this possibility (2)
Total (10 and more employees)	25,7	3,2
Small enterprises (10-49)	20,8	3,9
Medium enterprises (50-249)	42,8	3,5
Large enterprises (250+)	58,5	2,7
NACE category:		
Manufacturing	24,0	1,6
Electricity, gas and water supply	24,6	2,8
Construction	17,1	3,2
Sale and repair of motor vehicles	25,6	2,9
Wholesale trade	38,9	8,5
Retail trade	17,4	1,4
Transport and storage	22,4	3,8
Accommodation	16,8	1,1
Food and beverage services	9,8	0,7
Travel agency and related activities	44,5	6,6
Media industries incl. publishing activ.	53,6	9,4
Telecommunications	59,6	13,4
Computer programm. and related activ.	74,9	17,1
Financial and insurance activities	52,7	2,8
Real estate activities	26,5	3,5
Professional, scientific activities	34,0	9,9
Administrative and support activities	20,8	1,2

(1) as a percentage of all enterprises in a given group

(2) as a percentage of all employees of enterprises in a given group

Figure D22 Homeworking in enterprises

- % of enterprises enabling employees working from home by using ICT
- % of employees doing homeworking by using ICT at least once per week

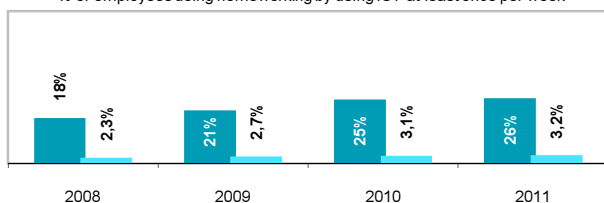
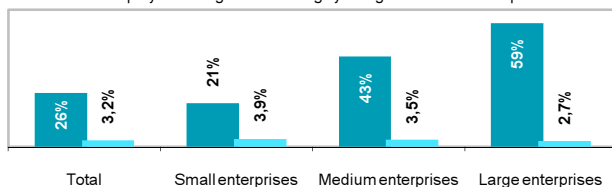


Figure D23 Homeworking in enterprises by their size; 2011

- % of enterprises enabling employees working from home by using ICT
- % of employees doing homeworking by using ICT at least once per week



Source: Czech Statistical Office, Enterprise Survey on ICT Use