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1444 NICOSIA

STRICTLY CONFIDENTIAL

SURVEY ON ICT USAGE AND E-COMMERCE IN ENTERPRISES OF THE FINANCIAL SECTOR 2006

FOR OFFICIAL USE ONLY	
S/N	
Legal Status	
Enterprise Size	
NACE	

GENERAL INFORMATION:

- 1. The aim of the survey is to collect data on ICT usage, Internet usage and electronic commerce in enterprises of the financial sector. These data are necessary for the implementation of policy programmes of both the Government and the Private Sector.
- 2. All requested information must be supplied by the **IT manager of the enterprise**. Regarding the enterprise's background information (Module X), these should be provided by the General Manager or by any other person responsible.
- 3. An authorised employee of the Statistical Service will contact the IT manager of the enterprise by phone in order to arrange a visit for the completion of the questionnaire.
- 4. Definitions of the terms used in the questionnaire can be found in the glossary attached (the definitions are presented with *)
- 5. The reference period for the data is <u>January 2006</u>, unless the question refers to other specific period.
- 6. The collection of data is carried out in accordance with the Statistics Law 15(I)/2000. The Statistical Service is bound by the Statistics Law to treat all information obtained as strictly confidential. Your responses will be used solely for statistical purposes.

	Module A: General information about ICT systems			
A1.	How many persons employed used computers at least once a week, during January 2006?			
		L		
	If you can't provide this value, Please indicate an estimate of the percentage of the number of persons employed			
	used computers at least once a week, during January 2006.			%
A2.	Did your enterprise have persons employed who regularly work part of their time (half a day per week or more) away from the regular work site while having access	Y	es	No
	to the enterprise's computer system, during January 2006?			
	Did any of these negroup access the enterprise's computer cycles from the			→ Go to A4
A3.	Did any of those persons access the enterprise's computer system from the following places, during January 2006?			
		Y	es	No
	a) From home	[
	b) From customers' or other external business partners' premises	[
	c) From other geographically dispersed locations of the same enterprise or enterprise group	[
	d) During business travel, e.g. from hotel, airport etc.	[
A4.	Did your enterprise have difficulties in recruiting personnel with ICT skills (*) (from	Yes	No	Didn't need to recruit
	basic to professional), during 2005?			
			→ Go to A	6 → Go to A6
A5.	Did your enterprise face the following problems when trying to recruit personnel, during 2005?			
		Yes	No	Type of skills not needed
	a) Personnel with required skills in the use of ICT applications not available or not entirely suitable			
	b) ICT specialists with the required skills not available or not entirely suitable			
	c) High remuneration costs of ICT specialists			
A6.	Did your enterprise have the following information and communication technologies, during January 2006?			
		١	⁄es	No
	a) Wireless LAN (*)	[
	b) Wire based LAN (*)			
	c) Intranet (*)			
	d) Extranet (*)			
A7.	Did your enterprise have an IT system to manage the placing or receipt of orders, during January 2006?	١	⁄es	No
				→Go to A9

A8.	Did your enterprise's IT systems for managing orders link automatically with any of the following IT systems, during January 2006?		
		Yes	No
	a) Internal system of your enterprise or enterprise group		
	b) Your customers' business systems (for customers outside your enterprise group)		
A9.	In your communication with customers and other enterprises, to what extend has yo traditional postal mail (e.g. for sending invoices, direct mail, etc.) by electronic mean (Intranet, Extranet, Internet, e-mail messages(*)), in the last 5 years? (tick only one)		
	No substitution (overall postal mail was not reducted because of electronic means of communication)		
	ii) Minor substitution (electronic means are now used instead of post mail in a few situations, but postal mail is still the most important)		
	iii) Significant substitution (electronic became the main mean of business communication)		
	iv) Mostly or entirely substituted (postal mail was used before, but it's rarely used nowadays)		
	v) Non-applicable (postal mail was never a relevant mean of communication for the enterprise)		
	Module B: Use of Internet (*) (asking enterprises with ICT)		
B1.	Did your enterprise have access to Internet, during January 2006?	Yes	No ☐ → Go to D1
B2.	How many persons employed used computers connected to the World Wide Web at least once a week, during January 2006?		
	If you can't provide this value,		
	Please indicate an estimate of the percentage of the number of persons employed used computers connected to the World Wide Web at least once a week, during January 2006.		%
B3.	Did your enterprise have the following types of external connection to the Internet, during January 2006?		
		Yes	No
	a) Traditional Modem (*) (dial-up access over normal telephone line)		
	b) ISDN (*)connection		
	c) DSL (*) (xDSL(*), ADSL(*), SDSL(*) etc) connection		
	d) Other fixed Internet connection (e.g. cable, leased line (e.g. E1 or E3 at level 1 and ATM at level 2), Frame Relay, Metro-Ethernet, PLC – Powerline communication, etc)		
	e) Mobile connection (analogue mobile phone, GSM,GPRS,UMTS,EDGE, CDMA2000 1xEVDO)		

B4.	What was the maximum speed for download contractually provided to your fastest Internet connection, as of January 2006?		
	(tick only one)		
	i) Below 144 Kb/s		
	ii) 144 Kb/s or more and less than 2 Mb/s		
	iii) 2 Mb/s or more		
B5.	Did your enterprise use the Internet for training and education, during January 2006?	Yes	No
	(as <u>consumer</u> of Internet services)		
B6.	Did your enterprise use the Internet for interaction with public authorities, during 2005?	Yes	No □ →Go to B8
B7.	Did your enterprise interact with public authorities in the following ways, during 200	5?	
		Yes	No
		163	
	a) For obtaining information		
	b) For obtaining forms, e.g. tax forms		
	c) For returning filled in forms, e.g. provision of statistical information to public authorities		
	d) Submitted a proposal in an electronic tender system (e-procurement)		
B8.	Did your enterprise have a Web Site(*) / Home page, during January 2006?	Yes	No
			\rightarrow Go to B10
B9.	Did your enterprise use its Website / Home Page for marketing the products / services you were offering, during January 2006?	Yes	No
	(your enterprise <u>as provider</u> of Internet services)		
B10.	Did your enterprise use the following internal security facilities, during January 2006	?	
		Г	
		Yes	No
	a) Virus checking or protection software		
	b) Firewalls (software or hardware) (*)		
	c) Secure servers (support secured protocols such as shttp)		
	d) Off-site data backup		
B11.	Was it possible to communicate with your enterprise using the following security facilities, during January 2006?		
	idominos, daring candary 2000.	Yes	No
	a) Electronic digital signature as customer 's authentication mechanism	П	
	b) Other authentication mechanism (e.g. PIN code)		
	c) Data encryption for confidentiality		
	ο σαία εποιγρίωτι τοι comindentiality		

B12.	Did your enterprise encounter ICT related security problems during computer virus, worms or trojan attack, unauthorized external accessomputer system)?		Yes		No
		,			
	Module C: e-commerce(*) via Internet				
	(asking enterprises with Internet access)				
C1.	Did your enterprise provide on-line financial services to customers during 2005? (other than information services, manually typed e-mails Including all IP/Internet Protocol based networks such as www,e Internet/virtual private network (VPN) over Internet, Internet enabled mobile	extranet/EDI over	Yes		No ☐ →Go to D1
C2a.	Which of the following products / services did you provide to custoduring 2005?	mers,	Vaa		No
			Yes		No
	a) Payment services				
	b) Savings deposits				
	c) Loans				
	d) Investment services (*)				
	e) Life Insurance (*)				
	f) Non-life Insurance (*)				
C2b.	For which of these products / services did you receive orders from the Internet, during 2005?	m customers via			
			Yes		No
	a) Payment services				
	b) Savings deposits				
	c) Loans				
	d) Investment services (*)				
	e) Life Insurance (*)				
	f) Non-life Insurance (*)				
C3.	For banking services, (if ticked 'Yes' in C2b a), b), c) and/or d))				
	Please indicate for 2005 and for the following groups of customers the percentage of account/deposit holders who used interactive ordering via your website.	Percentag			or estimated percentage
		(please tic	·K)	<u>OI</u> 8	absolute value
	website related to the total number of account/deposit holders (current, savings, dept accounts, savings and securities,deposits, etc.)	Less than 1% 1% or more and less			%
		than 5% 5% or more and less		Numl	ber via Internet:
		than 10% 10% or more and less than 25%			
		25% or more and lest	ss	Т	otal number:
		50% or more			

	b) Private holders of account/deposits using interactive ordering via your website related to the total number of private account/deposit holders	Less than 1%		%
	Holders	1% or more and less than 5%	Ш	
		5% or more and less than 10%		Number via Internet:
		10% or more and less than 25%		
		25% or more and less than 50%		Total number:
		50% or more		
	c) Corporate holders of account/deposits using interactive ordering via your website related to the total number of corporate account /	Less than 1%		%
	deposit holders	1% or more and less than 5%		
		5% or more and less than 10%		Number via Internet:
		10% or more and less than 25%		
		25% or more and less than 50%		Total number:
		50% or more		
		I		
C4.	For banking services,			
	(It ficked 'Yes' in (:2h a) h) c) and/or d))			
	(If ticked 'Yes' in C2b a), b), c), and/or d)) Please indicate for 2005 the importance of Internet enabled	Percentage		or estimated
	Please indicate for 2005 the importance of Internet enabled financial transactions (*) for your business by providing percentages or absolute figures for the following values.	Percentage (please tick)		or estimated percentage or absolute value
	Please indicate for 2005 the importance of Internet enabled financial transactions (*) for your business by providing percentages or absolute figures for the following values. a) Value of payment orders via Internet related to the total value of	_		percentage
	Please indicate for 2005 the importance of Internet enabled financial transactions (*) for your business by providing percentages or absolute figures for the following values.	(please tick)		percentage <u>or</u> absolute value
	Please indicate for 2005 the importance of Internet enabled financial transactions (*) for your business by providing percentages or absolute figures for the following values. a) Value of payment orders via Internet related to the total value of	(please tick) Less than 1% 1% or more and less		percentage <u>or</u> absolute value
	Please indicate for 2005 the importance of Internet enabled financial transactions (*) for your business by providing percentages or absolute figures for the following values. a) Value of payment orders via Internet related to the total value of	(please tick) Less than 1% 1% or more and less than 5% 5% or more and less		percentage or absolute value %
	Please indicate for 2005 the importance of Internet enabled financial transactions (*) for your business by providing percentages or absolute figures for the following values. a) Value of payment orders via Internet related to the total value of	(please tick) Less than 1% 1% or more and less than 5% 5% or more and less than 10% 10% or more and less		percentage or absolute value
	Please indicate for 2005 the importance of Internet enabled financial transactions (*) for your business by providing percentages or absolute figures for the following values. a) Value of payment orders via Internet related to the total value of	(please tick) Less than 1% 1% or more and less than 5% 5% or more and less than 10% 10% or more and less than 25% 25% or more and less		percentage or absolute value % Number via Internet:
	Please indicate for 2005 the importance of Internet enabled financial transactions (*) for your business by providing percentages or absolute figures for the following values. a) Value of payment orders via Internet related to the total value of payment orders b) Value of revenues (commissions, margins, fees, interest) from	(please tick) Less than 1% 1% or more and less than 5% 5% or more and less than 10% 10% or more and less than 25% 25% or more and less than 50%		percentage or absolute value
	Please indicate for 2005 the importance of Internet enabled financial transactions (*) for your business by providing percentages or absolute figures for the following values. a) Value of payment orders via Internet related to the total value of payment orders	(please tick) Less than 1% 1% or more and less than 5% 5% or more and less than 10% 10% or more and less than 25% 25% or more and less than 50% 50% or more		percentage or absolute value
	Please indicate for 2005 the importance of Internet enabled financial transactions (*) for your business by providing percentages or absolute figures for the following values. a) Value of payment orders via Internet related to the total value of payment orders b) Value of revenues (commissions, margins, fees, interest) from	(please tick) Less than 1% 1% or more and less than 5% 5% or more and less than 10% 10% or more and less than 25% 25% or more and less than 50% 50% or more Less than 1% 1% or more and less		percentage or absolute value
	Please indicate for 2005 the importance of Internet enabled financial transactions (*) for your business by providing percentages or absolute figures for the following values. a) Value of payment orders via Internet related to the total value of payment orders b) Value of revenues (commissions, margins, fees, interest) from	(please tick) Less than 1% 1% or more and less than 5% 5% or more and less than 10% 10% or more and less than 25% 25% or more and less than 50% 50% or more Less than 1% 1% or more and less than 5% 5% or more and less than 5%		percentage or absolute value
	Please indicate for 2005 the importance of Internet enabled financial transactions (*) for your business by providing percentages or absolute figures for the following values. a) Value of payment orders via Internet related to the total value of payment orders b) Value of revenues (commissions, margins, fees, interest) from	(please tick) Less than 1% 1% or more and less than 5% 5% or more and less than 10% 10% or more and less than 25% 25% or more and less than 50% 50% or more Less than 1% 1% or more and less than 5% 5% or more and less than 1% 1% or more and less than 1% 1% or more and less than 10% 10% or more and less		percentage or absolute value

C5.	For insurances,		
	(if ticked 'Yes' in C2b e) and/or f))		
	Please indicate for the following groups of customers the percentage of insurance policies ordered via your website and related revenues, during 2005.	Percentage (please tick)	<u>or</u> estimated percentage <u>or</u> absolute value
	a) Insurance policies ordered by private customers/individuals via your website related to the total number of insurance policies	Less than 1%	%
	, your noose rolated to the local realists of most allos politics	1% or more and less than 5%	
		5% or more and less than 10%	Number via Internet:
		10% or more and less than 25%	
		25% or more and less than 50%	Total number:
		50% or more	
	b) Insurance policies ordered by corporate customers/enterprises via your website related to the total number of insurance policies	Less than 1%	
		1% or more and less than 5%	%
		5% or more and less than 10%	Number via Internet:
		10% or more and less than 25%	
		25% or more and less than 50%	Total number:
		50% or more	
	c) Value of Gross Premiums (*) Written from private and corporate insurance policies ordered via your website related to the total value of Gross Premiums Written	Less than 1%	
	Cross Fremiums witten	1% or more and less than 5%	
		5% or more and less than 10%	Number via Internet:
		10% or more and less than 25%	
	(in monetary terms, excluding VAT)	25% or more and less than 50%	Total number:
		50% or more	
C6.	Please provide a percentage breakdown of all Internet sales of retail by destination.	financial services in 2005,	
	(estimates in percentage of total retail customers)		
	a) Cyprus		%
	b) Other EU countries		%
	c) Rest of the world		%
	d) Total	1 0	0 %

	Module D: eCommerce (*) via computer mediated networks of (asking enterprises with ICT)	other than Internet (*)	
D1.	Did your enterprise receive orders from customers via networks other than Internet, during 2005?	Yes	No
	(private, proprietary networks (*) usually using leased lines – <u>excluding</u> all IP/Internet Protocol based networks such as www, extranet/EDI (*) over Internet/virtual private network (VPN) over Internet, Internet enabled mobile phones)		→Go to X1
D2.	Did your enterprise use the following electronic networks other than Internet to receive orders from customers?		
	(corporate customers, private individuals)	Yes	No
	a) Network to receive batch payment orders (*) from corporate customers' computer applications		
	b) Self service areas with cash dispensers (e.g. bancomats(*)) and/or credit card (*) payment orders from retail customers/individuals		
	c) Network to receive orders from sales agents computer systems linked to your enterprise computer system		
	d) Other		

	Module X: Background information (If available, latest information from SBS should be provided)	
X1.	Main activity of the enterprise, during 2005	
	(describe)	
X2.	Average number of persons employed, during 2005	1 1 1 1

	Module E: General Information	
E1.	If you have any comments about the survey, please write down below:	
E2.	Name of the person who answered the questionnaire:	
	Position in the enterprise:	
	Telephone:	
	Fax:	
	E-mail:	
E3.	Name of the person who completed the questionnaire:	
	Signature:	
	Date:	

TO BE COMPLETED BY THE ENUMERATOR

Z4.	Completion of the questionnaire:	
	a) The questionnaire is completed	1
	b) The enterprise has closed	2
	c) The enterprise can not be located	3
	d) The enterprise refuses to cooperate	4
	e) The enterprise was closed during the collection of the data	5
	f) Merge with another enterprise	6
	g) Other reasons for no completion	
	(please specify)	7

Glossary

Broadband

No generally accepted definition of broadband can be given. Common definitions refer to either: a) the connection speeds measured in kbps or mbps (in at least the downstream direction) or bandwidth measured by the amount of digital bits that one can transmit per second, measured in kbps or mbps; b) the type of connection, of which the following provide broadband access: xDSL (ADSL, SDSL, etc), Cable TV network (cable modem), UMTS (mobile phone), or other (e.g. satellite, fixed wireless); c) the content that is provided with the examples of high definition movie trailers, short films, flash animation, three dimensional video games, video on demand, internet radio, streaming video, video conferencing and so on.

Closed or proprietary networks

A network that is owned or leased by an individual or company exclusively for its own use.

Computer-mediated networks other than Internet

EDI, Minitel or interactive telephone systems.

DSL (Digital Subscriber Line)

A high-bandwidth (broadband), local loop technology to carry data at high speeds over traditional (copper) telephone lines.

xDSL, ADSL etc.

DSL technologies designed to increase bandwidth over standard copper telephone wires; includes ADSL (Asymmetric Digital Subscriber Line) etc.

Electronic commerce (e-commerce)

Transactions conducted over Internet Protocol-based networks and over other computer-mediated networks. The goods and services are ordered over those networks, but the payment and the ultimate delivery of the good or service may be conducted on or off-line. Orders received via telephone, facsimile, or manually typed e-mails are not counted as electronic commerce.

Electronic tender system

EDI

Electronic Data Interchange. Data interchange in structured form (EDIFACT) between businesses.

E-mail

Electronic transmission of messages, including text and attachments, from one computer to another located within or outside of the organisation. This includes electronic mail by Internet or other computer networks.

Extranet

A secure extension of an Intranet that allows external users to access some parts of an organisation's Intranet.

Financial Services

Bancomat

Cash dispenser or cash machine, automatic teller machine (ATM), provided to customers of banks in self service zones within or outside their premises.

Bancomat is an example for an international cash dispenser chain created to enable bank customers to withdraw cash up to a certain amount at all times of the day and night. Clients can use their ec card and PIN code to withdraw cash throughout most of Europe and in a number of non-European countries bordering the Mediterranean. Chips on electronic purses can also be loaded up to a set amount at Bancomats.

Credit Cards

Any cards used to make electronic payments (including debit, charge or other payment cards)

Insurance

In general a contract whereby a person or legal entity, the insurer, guarantees to indemnify wholly or partially another person, the insured, in consideration of a lump sum payment or payments at regular intervals known as premiums, for loss suffered by the insured due to the occurrence of the hazard specified in the contract.

An insurance policy is the contractual document setting out the signed and dated agreement between the insurer and the insured, which confirms the existence of the insurance contract between these parties and serves as proof thereof

Investment Services

Services rendered by a bank, stock broker or an issuing house in placing shares and/or debentures or buying and selling securities (stock, bonds, shares in mutual funds) without subscribing for them and without having to take the shares and/or debentures onto own books.

Transactions

Financial transactions are the business of banking services and insurances which transact in financial markets on the customer's behalf. Transactions in banking services include the transfer of money via bank accounts following orders from customers to pay for purchases etc., the transfer of money to a savings deposit, the provision of a loan, or the purchase or sale of a security. Transactions of insurance firms involve the sale of an insurance policy.

Payment Batch Orders

The collection of payment orders to be processed as a group.

Premium

The payment or one of the regular periodical payments a policy holder is required to make for an insurance policy.

Firewall

A security system consisting of a combination of hardware and software that limits the exposure of a computer or computer network to attack from hackers. Commonly used on local area networks that are connected to the Internet.

ICT Skills

Two main types of e-skills can be distinguished:

ICT specialists skills: specifying, designing, developing, installing, operating, supporting, maintaining, evaluating and researching ICT systems.

ICT users skills: apply systems to support own work, use of generic software tools and use of specialised tools supporting business functions within industry.

ISDN

Integrated Services Digital Network.

Internet

Relates to Internet Protocol based networks: www, Extranet over the Internet, EDI over the Internet, Internet-enabled mobile phones.

Intranet

An internal company communications network using Internet protocol allowing communications within an organisation.

IT system

Computer system used to support operations within an organisation.

LAN (Local Area Network)

A network for communication between computers confined to a single building or in closely located group of buildings, permitting users to exchange data, share a common printer or master a common computer, etc.

Modem

Device that modulates outgoing digital signals from a computer or other digital device to analogue signals for a conventional copper twisted pair telephone line and demodulates the incoming analogue signal and converts it to a digital signal for the digital device.

Web site

Location on the World Wide Web identified by a Web address. Collection of Web files on a particular subject that includes a beginning file called a home page. Information is encoded with specific languages (Hypertext mark-up language (HTML), XML, Java) readable with a Web browser, like Netscape's Navigator or Microsoft's Internet Explorer.

xDSL

Digital Subscriber Line. DSL technologies are designed to increase bandwidth available over standard copper telephone wires. Includes IDSL, HDSL, SDSL, ADSL, RADSL, VDSL, DSL-Lite.