

# POPULATION AND SOCIAL CONDITIONS

THEME 3 - 10/2002

## Contents

Predominance of private providers in CVT in enterprises

Concentration of CVT at work in the fields of 'Engineering and manufacturing' and 'Computer science/Computer use'......3



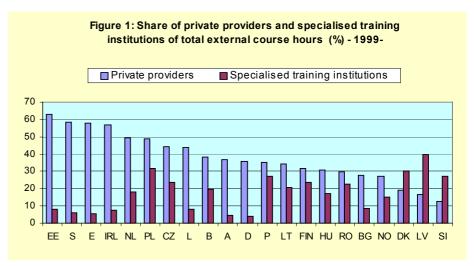
Manuscript completed on: 02.05.2002 ISSN 1024-4352 Catalogue number: KS-NK-02-010-EN-N © European Communities, 2002

# Providers and fields of continuing vocational training in enterprises in Europe

### Katja Nestler and Emmanuel Kailis

The European Commission launched a new survey of continuing vocational training following on from the first survey, conducted in 1994, of the then twelve Member States of the European Union. The second survey (CVTS2) was conducted in 2000/2001 in all the Member States, Norway and nine candidate countries (Bulgaria, Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland -only Pomorskie region, Romania and Slovenia). This second survey of continuing vocational training was two-thirds financed by the European Commission.

A total of some 35000 enterprises in EU countries and Norway and 26000 enterprises in candidate countries took part in the survey and provided comparable statistical data on continuing training at work, the supply of and demand for vocational know-how and skills, the need for continuing training on the one hand and the forms, contents and scope of continuing training on the other, own training resources and the use of external training providers, and the costs of continuing training.



This publication gives some key information on providers and fields of continuing vocational training in 21 European countries. For Greece, France, Italy and the United Kingdom the data were not available in time for this publication.

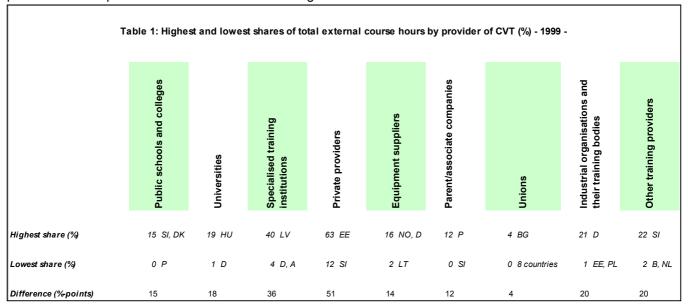
Private course providers accounted in nearly all countries for the highest proportion of course hours, specialised training institutions were of greater significance in candidate countries than in Member States and Norway.

The content of the continuing vocational training reflects above all the needs of the enterprises in different activity sectors. In general, "Engineering and manufacturing" and "Computer science/Computer use" are the fields of continuing vocational training that are most important in enterprises.

#### Predominance of private providers in CVT in enterprises

A close look at the breakdown of hours of external CVT courses among the various providers of continuing training at work clearly shows that in nearly all countries private course providers accounted for the highest

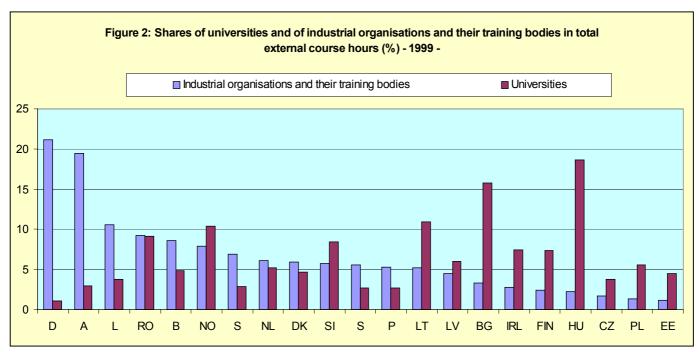
the highest 63% in Estonia. Specialised training institutions were of greatest significance for CVT at work in Latvia with 40% of course hours, and of least



proportion of course hours in 1999 (Fig. 1). Specialised training institutions were the second most important providers of continuing training, playing on average a greater role in the candidate countries than in the Member States and Norway.

importance in Germany and Austria with 4%.

In all countries the percentage of hours for trade unions and their training bodies was negligible. In 12 countries they accounted for at most 1%, while the figure was



The biggest differences between countries in terms of the highest and lowest percentages of total external course hours were 51 percentage points in the case of private providers and 36 percentage points in the case of public providers (Table 1). The lowest percentage of hours for private providers was 12% in Slovenia, and highest in Bulgaria at 4%.

It is notable that in Germany and Austria industrial organisations, including professional chambers and their training bodies, are heavily involved in CVT at work. At 21% and 19% respectively in the two countries,



their share of external course hours was far larger than in the other countries (Fig. 2).

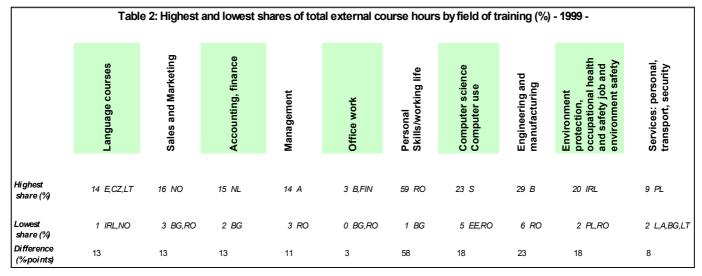
With regard to the share of total external course hours taken by universities as providers of CVT at work, the lowest figure was recorded in Germany at 1%. In Hungary (19%) and Bulgaria (16%), on the other hand,

universities played a much larger part among the providers of continuing training.

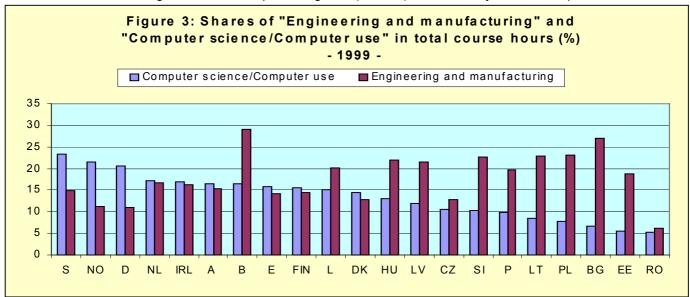
For specialised training institutions, markedly higher percentages than in the other countries were found in Slovenia and Denmark, with 15% in each case, and in Hungary with 14%.

## Concentration of CVT at work in the fields of 'Engineering and manufacturing' and 'Computer science/Computer use'

If the total hours spent on CVT courses at work are broken down by field of training, the overall picture for all countries is as shown in Table 2. In all the observations below, the field 'Other subjects', which small for training in the field of 'Office work', where the numbers of hours were low and amounted overall to no more than 3% in any country.



covers all topics that could not be otherwise classified, has been disregarded. For almost all CVT fields large differences were found from country to country. The difference between the highest and lowest percentages Extending the analysis to branches of activity reveals a very uneven picture, resulting from their differing qualification requirements in the various countries (Table 3). Certain subject areas in particular were at a



was greatest by far for 'Personal skills/working life' (58 percentage points), with a range from 1% in Bulgaria to 59% in Romania. The differences were particularly

low level overall but played an outstanding part in the corresponding branches of the economy. For the CVT field of 'Accounting, finance', for example, no high



percentage of hours was recorded overall, but in the 'Financial intermediation' branch (J) the figures were nonetheless over 20% in 11 countries. On the other hand there were also countries where this field was of negligible importance even in this branch.

The main focus of continuing vocational training at work in 1999 was on the fields of 'Engineering and manufacturing' and 'Computer science/Computer use'. In eighteen countries one or other of these two fields accounted for the highest percentage of total course hours. Only in Ireland, the Czech Republic and

						hours.			land, the		
Та	ble 3: Highest an	d lowest	shares	of total			field of	training	and branch	of activity (	(%)
- 1999 -											
		Language courses	Sales and Marketing	Accounting, finance	Management	Office work	Personal Skills/working life	Computer science Computer use	Engineering and manufacturing	Environment protection, occupational health and safety job and environment safety	Services: personal, transport, security
NACE D	Highest share (%)	18 E	10 A	11 HU	14 NO	3 FIN	76 RO	21 NL	47 L	13 NL	4 S
	Lowest share (%)	1 RO	2 NL	1 P 1 NL	3 RO	RO 0 L P	1 BG	3 RO	4 RO	3 RO	0 7 countries
NACE G	Highest share (%)	18 CZ	58 RO	17 LV	18 LT	7 IRL	32 EE	22 S	41 BG	17 IRL	8 HU
	Lowest share (%)	0 IRL	11 DK	1 NL	4 PL	SI O NL L	0 BG	2 RO	1 RO	0 PL	IRL P O L PL A
NACE J	Highest share (%)	23 <i>B</i> G	30 NO	65 NL	18 IRL	9 PL	67 PL	28 HU	22 B	4 S	9 LV
	Lowest share (%)	o IRL O PL	4 HU	3 P DK	2 BG	BG 0 RO EE	1 BG EE	2 PL	0 6 countries	0 8 countries	0 13 countries
NACE K	Highest share (%)	20 BG	14 FIN	31 LT	17 IRL	5 A	25 RO	41 S	37 SI	8 E	44 PL
	Lowest share (%)	1 RL 1 NL	LT 1 L BG	3 E	1 L	SI 0 CZ LT L	2 BG	4 EE	LV EE S NL	0 L	o <sup>L</sup> O DK
NACE O	Highest share (%)	18 CZ	9 NO	19 LV	36 A	9 B	23 FIN	39 BG	41 P	23 NL	63 IRL
	Lowest share (%)	PL L 0 IRL EE NO	o PL O HU	L 0 IRL RO	0 L RO	RO L 0 BG P DE	o PL O EE	0 L	RO PL EE IRL	PL 0 BG P	EE 0 BG LT
Other	Highest share (%)	23 LT	15 P	13 NL	17 A	3 NO	54 RO	20 DE	36 L	44 IRL	24 SI
	Lowest share (%)	0 IRL	BG 1 LT RO	BG 1 P IRL	BG 2 SI RO	BG LT 0 SI IRL RO	0 BG	3 BG	7 CZ	PL 2 RO BG	1 BG

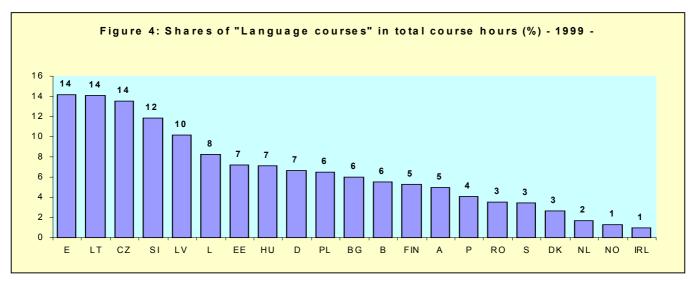
Romania were the highest percentages to be found in a different field.

There was a clear difference between the Member States and Norway on the one hand and the candidate countries on the other (Fig. 3). In seven Member States and Norway the field of 'Computer science/Computer use' was in the leading position. Its share of total course hours ranged from 10% in Portugal to 23% in Sweden and was over 15% almost everywhere. In all the candidate countries, however, the field of 'Engineering and manufacturing' was predominant, with figures ranging from 6% in Romania to 27% in Bulgaria, six of these countries having a percentage of over 20%.

The field of 'Computer science/Computer use' took the lead in the service branches – in 'Real estate, renting

Member States. There were rates of over 10% in three of the nine candidate countries (Lithuania and Hungary, each with 11%, Estonia 13%) but in only one Member State (Netherlands 15%). In six Member States and two candidate countries the rates were at most 5%. An analysis by branch of activity shows that, as might be expected, the field of 'Accounting, finance' is of greatest importance above all in 'Financial intermediation' (J) (13 countries, including seven candidate countries) and in 'Real estate, renting and business activities' (6 countries, including one candidate country). On the other hand, even in 'Financial intermediation' (J) this field accounted for only 3% of course hours in Denmark and in Portugal.

In terms of the percentage of course hours, the CVT field of 'Management and administration' came out



and business activities' (K), particularly as regards the Member States and Norway, and in 'Other community, social and personal service activities' (O), particularly as regards the candidate countries. In all but four countries the highest percentages of hours for the field of 'Engineering and manufacturing' were found, as might be expected, in the 'Manufacturing' branch (D).

In Norway and in Austria, with 16% and 14% respectively of all course hours, the field of 'Sales and Marketing' was overall a major topic of continuing vocational training, whereas in Bulgaria and Romania (3% in each case) and in Lithuania (4%) the numbers of hours were extremely low. Even in the latter countries, however, the share of 'Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods' (G) was over 10%, and in Romania it was as much as 58%. In all this topic came top of the list for this branch in 18 countries.

The field of 'Accounting, finance' played a somewhat less important part in CVT at work overall than 'Sales and marketing', though a slight preponderance was to be seen in the candidate countries compared with the

overall at the same sort of level as 'Accounting, finance', although the spread between countries was rather less, with the difference between the highest and lowest rates amounting to only 11 percentage points. This field was of greatest importance in Austria (14%) and Norway (13%). Rates of no more than 5% were recorded in six countries (Romania 3%, Bulgaria 4%, Denmark, Hungary, Poland, Slovenia each with 5%). Of the generally surprisingly low figures for the field of 'Management and administration'. the percentages were found mainly in the 'Financial intermediation' branch (J). As already mentioned, there were large differences for the CVT field of 'Personal skills/working life'. The extremely high figure of 59% of all course hours in Romania is an exception, however, and the second-highest proportion was 22% in Poland. There was no sign that any particular branches had a clear preference for the field of 'Personal skills/working life'.

In Ireland the field of 'Environmental protection, occupational health and safety' was the most important, and at 20% its share was also biggest compared with the other countries. Apart from the Netherlands (11%)



no other country recorded a figure of more than 10%. Continuing training in this field was significant above all in 'Manufacturing' and in 'Other community, social and personal service activities'.

There was a tendency for language courses to be of great importance in the candidate countries (except Romania) and in Spain (Fig. 4). In countries where English is the native language or has traditionally been the first foreign language (Ireland, Norway, Netherlands, Denmark, Sweden), the share of language courses in total course hours was relatively small. Surprisingly, in 13 countries the percentage was highest in the 'Manufacturing' branch (D), where these courses accounted for nearly a fifth of all course hours in Spain.

In the field of 'Personal, transport and security services' there was a relatively narrow spread at a generally low level. In all countries the percentages were below 10%, and in 14 they were no more than 5%. As might be expected, a breakdown of the figures by branches of activity shows relatively high proportions in the service branches in many countries, the highest figure being 63% for 'Other community, social and personal service activities' in Ireland.

The lowest shares of all in CVT course hours were recorded for the field of 'Office work'. Only in Belgium and Finland was the figure as high as 3%; otherwise the percentage was negligible. Even when the figures were broken down by branch of activity, in every country nearly all the percentages were below 5%.

# Statistics in focus recently published related to the continuing vocational training in enterprises (CVTS2)

- First survey on continuing vocational training in enterprises in candidate countries (-CVTS2-)
   (Theme 3 2/2002)
- Continuing vocational training in enterprises in the European Union and Norway (CVTS2) (Theme 3 3/2002)
- Costs and funding of continuing vocational training in enterprises in Europe (Theme 3 8/2002)



#### > ESSENTIAL INFORMATION - METHODOLOGICAL NOTES

**Abbreviations:**: **B** – Belgium, **DK** – Denmark, **D** – Germany, **E** – Spain, **IRL** – Ireland **L** – Luxembourg, **NL** – Netherlands, **A** – Austria, **P** – Portugal, **FIN** – Finland, **S** – Sweden et **NO** – Norway **BG** – Bulgaria; **CZ** – Czech Republic; **EE** - Estonia; **HU** – Hungary; **LV** – Latvia; **LT** – Lithuania; **PL** – Poland; **RO** – Romania; **SI** – Slovenia

**In-service continuing vocational training**: training measures or activities financed wholly or partly by enterprises for employees with employment contracts. For the purposes of this survey, "employees" means the total number of persons employed, excluding apprentices and trainees.

**Continuing vocational training courses**: events designed solely for the purpose of providing continuing vocational training that take place away from the place of work, e.g. in a classroom or training centre, at which a group of people receive instruction from teachers/tutors/lecturers for a period of time specified in advance by those organising the course.

**Internally managed courses**: courses designed and managed by the enterprise itself, even if held at a location away from the enterprise.

**Externally managed courses**: courses designed and managed by an organisation that is not part of the enterprise, even if they are held in the enterprise.

#### Other forms of in-service continuing vocational training:

planned periods of training, instruction or practical experience, using the normal tools of work, either at the immediate place of work or in the work situation, planned learning through job rotation, exchanges or secondments, participation in learning or quality-improvement groups, self-learning, information events: conferences, workshops, lectures and seminars.

**Course participants**: a course participant is a person who took part in one or more CVT courses at some time during 1999. Each person was counted once only, irrespective of the number of times he or she participated on a CVT course.

**Hours spent on CVT courses**: the total number of hours of CVT relates to the total paid working time that all participants spent in CVT courses during 1999.

**NACE Rev. 1**: Council Regulation (EEC) No 3037/90 of 9 October 1990 on the statistical classification of economic activities in the European Community. Commission Regulation (EEC) No 761/93 of 24 March 1993 amending Council Regulation (EEC) No 3037/90 on the statistical classification of economic activities in the European Community.

- NACE D Manufacturing
- NACE G Wholesale and retail trade; repair of motor vehicles, motorcycles and personal and household goods
- NACE J Financial intermediation
- NACE K Real estate, renting and business activities
- NACE O Other community, social and personal service activities

Other (C, E, F, H, I) Mining and guarrying; Electricity, gas, water; Construction; Hotels and restaurants; Transport, communication

The definition of **fields of training** is established according to the official classification of the "Manual of fields of training" - CEDEFOP/EUROSTAT - 1999.

The definintion of **training provider** is described in "EU Manual – Continuing Vocational Training Survey (CVTS2)", Eurostat Working Papers, Population and social conditions 3/2000/EN/N017.



# Further information:

#### Databases

New Cronos: Theme 3, Domain: TRAINING

To obtain information or to order publications, databases and special sets of data, please contact the **Data Shop** network:

BELGIQUE/BELGIË	DANMARK	DEUTSCHLAND	ESPAÑA	FRANCE	ITALIA – Roma				
Eurostat Data Shop	DANMARKS STATISTIK	STATISTISCHES BUNDESAMT	INE Eurostat Data Shop	INSEE Info Service	ISTAT				
Bruxelles/Brussel Planistat Belgique	Bibliotek og Information Eurostat Data Shop	Eurostat Data Shop Berlin Otto-Braun-Straße 70-72	Paseo de la Castellana, 183 Oficina 011	Eurostat Data Shop 195, rue de Bercy	Centro di Informazione Statistica Sede di Roma, Eurostat Data Shop				
Rue du Commerce 124	Sejrøgade 11	(Eingang: Karl-Marx-Allee)	Entrada por Estébanez Calderón	Tour Gamma A	Via Cesare Balbo, 11a				
Handelsstraat 124 B-1000 BRUXELLES / BRUSSEL	DK-2100 KØBENHAVN Ø Tlf. (45) 39 17 30 30	D-10178 BERLIN Tel. (49) 1888 644 94 27/28	E-28046 MADRID Tel. (34) 91 583 91 67	F-75582 PARIS CEDEX 12 Tél. (33) 1 53 17 88 44	I-00184 ROMA Tel. (39) 06 46 73 31 02/06				
Tel. (32-2) 234 67 50	Fax (45) 39 17 30 03	Fax (49) 1888-644 94 30	Fax (34) 91 579 71 20	Fax (33) 1 53 17 88 22	Fax (39) 06 46 73 31 01/07				
Fax (32-2) 234 67 51 E-mail: datashop@planistat.be	E-mail: bib@dst.dk Internet:: http://www.dst.dk/bibliotek	E-Mail: datashop@destatis.de	E-mail: datashop.eurostat@ine.es	E-mail: datashop@insee.fr	E-mail: dipdiff@istat.it				
URL: http://www.datashop.org/	internet http://www.ust.uk/bibliotek	URL:http://www.eu-datashop.de/	URL: http://www.datashop.org/						
ITALIA – Milano	LUXEMBOURG	NEDERLAND	NORGE	PORTUGAL	SCHWEIZ/SUISSE/SVIZZERA				
ISTAT	Eurostat Data Shop Luxembourg	STATISTICS NETHERLANDS	Statistics Norway	Eurostat Data Shop Lisboa	Statistisches Amt des Kantons				
Ufficio Regionale per la Lombardia Eurostat Data Shop	46A, avenue J.F. Kennedy BP 1452	Eurostat Data Shop-Voorburg Postbus 4000	Library and Information Centre Eurostat Data Shop	INE/Serviço de Difusão Av. António José de Almeida, 2	Zürich, Eurostat Data Shop Bleicherweg 5				
Via Fieno 3	L-1014 LUXEMBOURG	2270 JM VOORBURG	Kongens gate 6	P-1000-043 LISBOA	CH-8090 Zürich				
I-20123 MILANO Tel. (39) 02 80 61 32 460	Tel. (352) 43 35-2251 Fax (352) 43 35-22221	Nederland Tel. (31-70) 337 49 00	Boks 8131 Dep. N-0033 OSLO	Tel. (351) 21 842 61 00 Fax (351) 21 842 63 64	Tel. (41) 1 225 12 12 Fax (41) 1 225 12 99				
Fax (39) 02 80 61 32 304	E-mail: dslux@eurostat.datashop.lu	Fax (31-70) 337 59 84	Tel. (47) 21 09 46 42/43 Fax (47) 21 09 45 04	E-mail: data.shop@ine.pt	E-mail: datashop@statistik.zh.ch				
E-mail: mileuro@tin.it	URL: http://www.datashop.org/	E-mail: datashop@cbs.nl	E-mail: Datashop@ssb.no		Internet: http://www.statistik.zh.ch				
SUOMI/FINLAND	SVERIGE	UNITED KINGDOM	UNITED STATES OF AMERICA	-					
STATISTICS FINLAND	STATISTICS SWEDEN	Eurostat Data Shop	HAVER ANALYTICS	=					
Eurostat Data Shop Helsinki Tilastokirjasto	Information service	Office for National Statistics	Eurostat Data Shop						
PL 2B	Eurostat Data Shop Karlavägen 100 - Box 24 300	Room 1.015 Cardiff Road	60 East 42nd Street Suite 3310						
FIN-00022 Tilastokeskus Työpajakatu 13 B, 2.Kerros, Helsinki	S-104 51 STOCKHOLM	Newport South Wales NP10 8XG	NEW YORK, NY 10165						
P. (358-9) 17 34 22 21 F. (358-9) 17 34 22 79	Tfn (46-8) 50 69 48 01 Fax (46-8) 50 69 48 99	United Kingdom Tel. (44-1633) 81 33 69	USA Tel. (1-212) 986 93 00						
Sähköposti: datashop@stat.fi URL: http://www.tilastokeskus.fi/tk/kk/datashop	E-post: infoservice@scb.se	Fax (44-1633) 81 33 33 E-mail: eurostat.datashop@ons.gov.uk	Fax (1-212) 986 69 81						
ONE. Http://www.tilastokeskus.ii/tik/ki/uatashoj.	Internet:http://www.scb.se/info/datasho p/eudatashop.asp		E-mail: eurodata@haver.com						
Media Support Eurostat (for profess									
Bech Building Office A4/017 • L-2920 L	_uxembourg • Tel. (352) 4301 33408 • Fax	(352) 4301 35349 • e-mail: eurostat-med	diasupport@cec.eu.int						
For information on i	0,								
	, Tel. (352) 4301 32318, Fax (								
	t/E3, Tel. (352) 4301 35370, F ntly with <b>Klaus Schömann</b> an			- Informatics support: Lydie	Hamel				
· · ·	ay war <b>rada conomani</b> an	d Omistian Bizmsky (Wisse	crisorianszentram, beriin).						
ORIGINAL: German									
Please visit our web site a	t www.europa.eu.int/comn	n/eurostat/ for further inform	mation!						
A list of worldwide sales o	utlets is available at the Offi	ce for Official Publication	s of the European Commi	ınities					
2 rue Mercier – L-2985 Luxembourg			- GREECE/ELLADA – ESPAÑA – FRAN		RG - NEDERI AND - ÖSTERREICH				
Tel. (352) 2929 42118 Fax (352) 2929	42709 PORTUGAL –	SUOMI/FINLAND - SVERIGE - UNITEI	D KINGDOM – ÍSLAND – NORGE – SCI	HWEIZ/SUISSE/SVIZZERA – BALGARI.	A – CESKÁ REPUBLIKA – CYPRUS				
Internet Address http://eur-op.eu.int/f e-mail: info-info-opoce@cec.eu.int			POLSKA – ROMÂNIA – RUSSIA – SLO\ FH KOREA – THAILAND – UNITED STAT		RALIA – CANADA – EGYPT – INDIA				
	IOTO LE UTILIT	THE THE STATE OF T			<del>%</del>				
Ond	lan Causa		☐ Please send me a fre	e conv of 'Furostat mini-qu	<i>-</i>				
Ora	er form		<ul> <li>□ Please send me a free copy of 'Eurostat mini-guide' (catalogue containing a selection of Eurostat products and services)</li> <li>Language required: □ DE □ EN □ FR</li> </ul>						
Lwould like to subscribe to	Statistics in focus (from 1.1	1 2002 to 24 42 2002).	☐ I would like a free subscription to 'Statistical References', the information						
	•	,	letter on Eurostat products and services						
•	les office addresses see abo	•	Language required: DE DE FR						
☐ Formula 1: All 9 the	mes (approximately 180 issu	ues)	☐ Mr ☐ Mrs						
Paper: EUR 36	60			☐ Ms					
Language regu	ired: 🗆 DE 🔲 EN 🔲 l	FR	(Please use block capitals						
	more of the following nine the			Forename:					
☐ Theme 1 'Gene	•	omoo.		Department:					
☐ Theme 6 'Exter			Function:						
☐ Theme 7 'Tran			Address:						
	nce and technology'			Town:					
☐ Paper: EUR			Country:						
☐ Theme 2 'Econ	iomy and finance ilation and social conditions'		Tel.: Fax:						
•			E-mail: Payment on receipt of invoice, preferably by:						
	stry, trade and services		Payment on receipt of invoice, preferably by:						
	culture and fisheries'		Bank transfer						
	ronment and energy		☐ Visa ☐ Euroca						
Paper: EUR			Card No:		1:/				
	iired: 🗖 DE 💢 EN 🗖			a-Community VAT numbe					
	downloaded (pdf file) free of			T will be automatically applie	d. Subsequent				
	to register. For other solu		reimbursement will not be p	oossidie.					
Shop.	*	•							