



EUROPEAN CENTRAL BANK

BLUE BOOK

APRIL 2004

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**PAYMENT AND
SECURITIES
SETTLEMENT
SYSTEMS
IN THE
ACCESSION
COUNTRIES**

**ADDENDUM
INCORPORATING
2002 FIGURES**





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Data used in this publication are as at end-2002 unless otherwise indicated.

Conventions used in the statistical tables:

nav: data not available
nap: not applicable
neg: negligible (very small figures)
0: exactly zero or none

Country tables (1997–2002)

Figures are presented in the respective national currency.

Comparative tables (1997–2002), unless otherwise indicated

Figures have been converted into euro for all countries using the exchange rate shown in Table 1 of the respective country tables.

Introduction

Central banks not only face the task of steering the monetary conditions in the economy; they also have a direct interest in the prudent design and operation of the payment and securities clearing and settlement systems processing their currency. Payment systems play a pivotal role in a modern economy, as most economic activity relies on them. The smooth functioning of these systems is a crucial aspect of a sound currency and is essential to the conduct of monetary policy. These systems also have a significant bearing on the functioning of financial markets, since reliable and efficient payment and settlement systems are crucial to the maintenance of banking and financial stability.

The importance of payment and securities settlement systems in modern economies has grown considerably over the past decades. Especially within the European Union and in particular within the euro area, the introduction of the single currency has fostered the integration of these systems. It is therefore essential that central banks have comprehensive information available to them in their endeavours to promote the soundness and efficiency of payment and securities clearing and settlement systems. In this context, in August 2002 the ECB issued the second edition of the publication entitled “Payment and securities settlement systems in accession countries”, also known as the Blue Book.

The aim of the accession country Blue Book is to provide a comprehensive description of the main payment and securities settlement systems operating in the 12 accession countries¹. The range of country-specific schemes covered is not necessarily exhaustive and the selection is not intended to indicate their relative importance. While the descriptive part is updated once every few years, the statistical data are updated every year. This “Blue Book

Addendum” provides an update of the country data and comparative tables, including figures for 2002.

The tables reflect the increasing level of integration and convergence achieved in payment and securities clearing and settlement systems in the accession countries, while pointing to the remaining differences in terms of structure and variety. They also focus on the use of various payment instruments. The methodology used for collecting and calculating the statistical data is explained in the annex.

This publication has been produced in collaboration with the central banks of the accession countries.

¹ Bulgaria, Cyprus, the Czech Republic, Estonia, Hungary, Latvia, Lithuania, Malta, Poland, Romania, Slovakia and Slovenia. Turkey is also an official candidate for EU membership, but negotiations for its accession have not yet started. Thus, it is not covered in this publication.

COMPARATIVE TABLES

Table 1
Banknotes and coins in circulation outside credit institutions
(end of year)

	Total					Value per inhabitant (EUR)					As a percentage of GDP (%)					As a percentage of narrow money (%)					
	1997	1998	1999	2000	2001	1997	1998	1999	2000	2001	1997	1998	1999	2000	2001	1997	1998	1999	2000	2001	2002
Bulgaria	672	894	999	1,211	1,580	81	108	122	148	199	7.6	7.8	8.2	8.9	10.4	54.1	58.9	59.3	59.7	63.1	60.4
Cyprus	477	500	544	581	620	706	732	788	833	879	6.3	6.2	6.2	6.1	6.1	38.8	39.4	30.2	30.8	32.8	37.9
Czech Republic	3,091	3,610	4,374	4,902	5,645	300	351	425	477	551	7.1	6.9	8.4	8.8	8.5	26.8	29.3	32.9	31.7	28.5	28.6
Estonia	290	290	365	396	444	206	208	265	289	325	7.2	6.2	7.5	7.1	7.2	28.8	30.6	29.6	26.5	24.2	22.3
Hungary ¹⁾	2,512	2,628	3,358	3,335	4,233	247	259	334	333	424	6.6	6.6	8.5	6.8	7.0	36.8	37.3	40.0	37.2	37.4	35.8
Latvia	511	512	642	742	872	210	213	268	313	370	10.2	9.5	9.7	9.8	10.2	59.5	50.3	55.7	54.4	56.2	52.4
Lithuania	574	600	681	715	830	160	169	193	204	238	6.6	6.5	6.4	5.9	6.1	49.6	50.3	51.9	46.9	43.3	45.1
Malta	846	837	916	967	1036	2,210	2,171	2,365	2,478.4	2,639.2	28.0	26.3	25.6	25.4	25.4	75.8	70.7	66.3	66.6	65.2	64.2
Poland	6,955	7,398	9,157	8,861	10,933	180	191	237	229	283	7.0	5.5	6.2	5.0	5.3	34.3	33.6	34.2	32.0	32.3	31.0
Romania	1,040	934	947	1,218	1,331	46	42	42	54	57	3.6	3.1	3.2	3.2	3.1	49.1	52.1	58.6	55.6	55.4	51.6
Slovakia	1,269	1,173	1,356	1,525	1,893	236	218	251	282	351	7.1	6.6	7.1	7.6	8.3	29.3	33.8	37.4	35.8	35.4	34.2
Slovenia	419	498	628	561	649	211	251	317	282	326	2.7	2.9	3.4	3.0	3.1	28.9	28.1	31.3	28.3	28.3	25.3

1) Includes the value of banknotes and coins being withdrawn from circulation and the value of commemorative banknotes and coins.

Table 2
Transferable deposits held by non-banks
(end of year)

	Value per inhabitant (EUR)					As a percentage of GDP (%)					As a percentage of narrow money (%)							
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
Bulgaria	69	76	83	100	116	144	6.4	5.4	5.6	6.0	6.1	6.8	45.9	41.1	40.7	40.3	36.9	39.8
Cyprus	1,111	1,125	1,824	1,868	1,800	1,568	10.0	9.5	14.4	13.6	12.4	10.4	61.2	60.6	69.8	69.2	67.2	62.1
Czech Republic	819	844	867	1,030	1,384	1,545	19.4	16.7	17.1	18.9	21.4	21.9	73.2	70.7	67.1	68.3	71.5	71.4
Estonia	511	473	631	801	1019	1146	17.7	14.0	17.8	19.7	22.6	23.2	71.2	69.4	70.4	73.5	75.8	77.7
Hungary	425	435	499	563	708	872	11.3	11.1	11.2	11.4	11.7	13.0	63.2	62.7	60.0	62.8	62.6	64.2
Latvia	143	210	214	262	289	351	6.9	9.3	7.7	8.2	8.0	9.7	40.5	49.7	44.3	45.6	43.8	47.6
Lithuania	163	167	179	232	312	383	6.7	6.4	5.9	6.7	8.0	8.9	50.4	49.7	48.1	53.1	56.7	54.9
Malta	706	902	1,200	1,241	1,410	1,467	8.9	10.9	13.0	12.7	13.6	14.3	24.2	29.3	33.7	33.4	34.8	35.8
Poland	343	378	456	486	593	610	11.0	10.8	11.9	10.6	11.1	12.5	65.6	66.4	65.8	68.0	67.7	69.0
Romania	48	38	30	43	46	56	3.8	2.8	2.3	2.6	2.5	2.8	50.9	47.9	41.4	44.4	44.6	48.4
Slovakia	568	426	421	507	639	721	17.1	13.0	11.8	13.6	15.1	15.2	72.9	66.2	62.6	64.2	64.6	65.8
Slovenia	520	641	696	716	826	924	6.6	7.3	7.5	7.5	7.9	8.4	71.1	71.9	68.7	71.7	71.7	74.7

Table 3
Settlement media used by banks
(end of year)

	Banks' reserves at central bank (EUR billions)					Banks' reserves at central bank as a percentage of narrow money (%)					Transferable deposits at other banks (EUR billions)					Transferable deposits at other banks as a percentage of narrow money (%)									
	1997	1998	1999	2000	2001 - 2002	1997	1998	1999	2000	2001 - 2002	1997	1998	1999	2000	2001 - 2002	1997	1998	1999	2000	2001 - 2002					
Bulgaria	0.3	0.2	0.2	0.2	0.2	25.6	12.8	14.0	9.1	9.4	11.7	0.05	0.04	0.02	0.01	0.02	0.01	0.02	0.03	3.8	2.3	1.2	0.6	0.8	0.9
Cyprus	0.6	0.7	0.9	1.0	0.9	45.2	52.5	51.5	51.8	47.9	61.3	0.05	0.0	0.15	0.2	0.2	0.2	0.2	0.1	4.3	2.1	8.4	12.8	8.6	4.8
Czech Republic	5.2	7.3	7.4	8.1	9.7	44.8	59.0	55.5	52.6	48.8	4.1	10.5	11.7	11.9	11.7	14.8	9.4	14.8	9.4	90.6	94.8	89.2	75.7	74.5	42.6
Estonia	0.2	0.2	0.3	0.4	0.2	19.0	24.6	25.0	24.4	13.2	11.3	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.3	10.4	14.1	7.8	9.6	8.4	14.8
Hungary	1.8	1.8	2.1	2.2	1.5	26.3	25.5	24.7	24.4	13.5	10.4	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	1.7	1.7	1.8	1.8	1.1	0.9
Latvia	0.1	0.1	0.1	0.1	0.2	11.5	9.0	11.2	9.9	11.6	10.7	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	3.8	1.0	0.5	0.6	0.6	0.5
Lithuania	0.1	0.2	0.1	0.2	0.2	7.6	15.6	8.4	10.9	8.7	7.1	neg	neg	neg	neg	neg	neg	neg	neg	neg	neg	neg	neg	neg	neg
Malta	0.2	0.3	0.3	0.3	0.4	20.9	22.1	21.5	23.8	19.8	21.7	0.02	0.01	0.01	0.02	0.00	0.01	0.01	0.01	1.6	0.6	1.0	1.1	0.3	0.9
Poland	2.7	4.7	2.3	2.9	3.4	13.3	21.4	8.7	10.6	10.0	9.7	0.7	1.2	0.7	1.0	1.4	1.6	1.4	1.6	3.6	5.5	2.7	3.8	4.0	4.7
Romania	0.3	0.5	0.9	1.1	1.0	14.9	29.7	57.4	51.6	43.9	33.0	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Slovakia	0.9	0.9	0.9	0.9	0.7	21.7	26.4	25.6	20.7	13.5	11.1	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Slovenia	0.3	0.3	0.3	0.3	0.4	20.4	18.9	15.3	15.8	15.6	14.6	nav	neg	neg	neg	neg	neg	neg	neg	nav	0.3	0.2	0.4	0.2	0.1

Table 4

Institutional framework

(end of year)

	Number of institutions offering payment services (per 1,000,000 inhabitants)		Number of central bank branches (per 1,000,000 inhabitants)		Number of bank branches (per 1,000,000 inhabitants)		Number of post office branches (per 1,000,000 inhabitants)		Others (per 1,000,000 inhabitants)		Total number of branches offering payment services (per 1,000,000 inhabitants)		Number of accounts on which payments can be made (per inhabitant)	
	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
Bulgaria	5	5	0.4	0.4	86	86	381	383	nap	nap	467	470	nav	nav
Cyprus	558	527	1.5	1.4	685	742	nap	nap	697	662	1,384	1,406	2.20	2.28
Czech Republic	4	4	1	1	172	168	332	332	nap	nap	504	501	0.69	0.70
Estonia	13	14	0.7	0.7	149	138	410	404	7	8	560	542	nav	nav
Hungary	23	22	0.5	0	289	284	327	317	nap	nap	616	601	0.70	0.69
Latvia	19	21	3	3	270	250	410	413	nap	nap	683	666	0.72	0.90
Lithuania	3	3	1	1	47	37	nap	nap	nap	nap	48	38	nav	nav
Malta	41	41	3	3	285	284	79	79	nap	nap	367	365	1.63	1.61
Poland	18	17	1	1	330	320	213	213	nap	nap	544	534	0.45	0.48
Romania	2	2	1.0	1.0	124	101	319	319	nap	nap	444	421	0.44	0.36
Slovakia	4	4	3	3	187	181	302	302	nap	nap	492	496	0.49	0.53
Slovenia	42	32	1	1	354	376	276	242	21	0	651	618	1.06	1.58

Table 5

Cards with a cash function and ATMs

	Number of ATMs per 1,000,000 inhabitants (end of year)						Number of transactions per inhabitant						Average value per transaction (EUR)					
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
Bulgaria	14	20	34	51	81	105	0.15	0.2	0.4	0.8	1.8	3	16	31	38	41	41	42
Cyprus	234	274	320	376	444	494	3	3	4	5	7	8	90	114	99	99	103	105
Czech Republic	128	142	146	156	188	220	5	6	7	8	10	10	38	43	50	57	68	87
Estonia	280	311	384	411	439	468	15	14	21	27	31	34	27.1	46.9	47.7	49.4	50.9	50.8
Hungary	153	204	234	243	255	266	4	6	7	8	9	9	49	69	88	96	106	95
Latvia	41	99	156	271	336	359	0.3	1.0	1.9	3.5	6.4	8.8	47	68	78	81	75	75
Lithuania	35	79	97	135	198	257	0.2	0.7	0.6	1.2	3.2	6	69	41	56	65	69	69
Malta	277	314	320	349	354	350	12	13	15	19	22	22	72	74	78	71	72	76
Poland	37	54	102	136	168	185	0.7	1	2	6	7	9	47	36	51	60	65	68
Romania	4	8	21	33	57	94	0.01	0.08	0.23	0.71	1.56	66.49	22	29	17	32	36	2
Slovakia	162	179	187	201	219	254	7	9	10	9	10	11	27	30	30	39	43	49
Slovenia	252	309	385	435	516	551	10	14	17	21	23	26	45	43	46	50	56	55

	Change in the number of ATMs (%)						Change in the number of transactions (%)						Change in the value of transactions (%)					
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
Bulgaria	71.0	37.3	72.2	50.5	52.9	29.1	357.9	49.2	75.2	102.5	110.9	68.7	3,596.0	195.6	109.9	121.8	110.2	73.0
Cyprus	6.0	18.4	18.2	18.6	19.5	13.1	18.8	10.5	23.8	38.5	36.1	14.3	23.0	39.2	6.8	37.6	42.6	16.6
Czech Republic	13.1	10.7	2.5	6.9	20.0	17.2	28.0	19.6	18.4	22.6	17.4	6.1	37.6	35.7	40.2	37.1	32.6	22.6
Estonia	85.8	9.9	22.4	6.4	6.4	6.3	84.2	-7.3	46.8	28.5	15.8	8.4	157.4	60.4	48.2	33.2	19.2	8.1
Hungary	42.6	33.3	13.9	3.3	4.5	7.8	76.3	52.4	24.3	10.4	11.7	11.5	77.3	142.1	66.9	23.5	21.6	25.1
Latvia	312.5	140.4	57.1	71.9	23.0	6.4	1,313.1	194.3	90.7	89.7	78.9	37.3	693.5	322.8	107.5	77.5	65.5	41.4
Lithuania	334.5	122.2	21.8	38.7	45.7	29.0	449.9	359.1	-11.6	90.7	166.1	102.7	405.7	173.4	14.2	91.5	170.9	98.4
Malta	nav	14.2	2.5	9.7	2.2	-0.7	nav	12.0	20.2	24.6	15.6	1.9	nav	14.4	25.1	5.8	16.2	10.1
Poland	160.4	45.8	88.1	33.4	23.0	10.3	219.5	107.7	80.7	132.4	30.0	14.7	367.7	66.6	177.3	159.3	29.1	24.5
Romania	292	135.44	153.76	58.26	71.75	63.1	nav	524.1	187.8	205.4	119.1	4165.2	nav	878.9	174.3	617.2	220.3	153.3
Slovakia	12.0	11.0	5.0	7.0	9.0	15.6	46.0	25.0	8.0	-6.5	5.0	13.0	50.0	45.0	20.0	20.0	16.0	27.4
Slovenia	23.1	22.2	25.0	13.1	18.7	6.6	24.2	34.0	23.6	18.9	13.9	11.6	29.9	33.2	37.4	38.1	33.2	13.5

Table 6

Cards with a debit function and POS terminals

	Number of POS terminals per 1,000,000 inhabitants (end of year)						Number of transactions per inhabitant						Average value per transaction (EUR)					
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
Bulgaria	9	43	61	133	247	323	0.0	0.0	0.01	0.03	0.10	0.19	166	41	49	59	66	72
Cyprus	5,677	7,582	9,101	10,996	13,694	15,416	1	2	3	3	5	5	90	96	84	88	89	90
Czech Republic	290	644	871	1,284	1,751	2,471	0.1	0.3	0.6	1	3	4	78	83	63	52	49	42
Estonia ¹⁾	1,553	1,856	2,369	2,977	3,848	5,395	1.1	3.5	6.4	10	17	25	20	29	28	27	24	21
Hungary	1,172	1,499	1,663	1,746	1,875	2,241	5	7	10	11	13	14	58	62	73	80	86	96
Latvia	1,176	1,407	1,867	2,268	2,933	3,550	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Lithuania	239	741	1,500	1,743	2,659	2,985	0.2	0.4	1	1	2	5	85	56	18	22	23	24
Malta	8,851	9,341	11,364	13,572	15,375	16,476	4	5	7	6	5	5	63	61	67	62	53	48
Poland	119	229	543	1,158	1,698	1,750	0.06	0.1	0.3	0.8	2	2	75	52	38	43	43	32
Romania	2	9	20	58	108	222	0.002	0.006	0.01	0.01	0.02	3.83	174	113	101	90	60	1
Slovakia ²⁾	203	557	857	1,171	1,778	2,269	0.1	0.2	0.4	1.05	1.96	3	30	33	31	28	26	21
Slovenia	4,063	5,730	7,699	10,915	13,145	14,807	0	1	3	7	13	16	29	30	29	32	28	29

	Change in the number of POS terminals (%)						Change in the number of transactions (%)						Change in the value of transactions (%)					
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
Bulgaria	166.7	388.9	41.2	118.7	81.0	29.8	-49.9	3,454.9	107.7	132.2	193.2	84.0	17,022.6	802.0	149.0	178.2	227.7	101.2
Cyprus	54.9	35.1	21.4	22.1	26.0	14.4	80.0	44.4	38.5	33.3	41.7	11.8	66.5	53.5	20.5	38.4	43.7	13.1
Czech Republic	171.4	122.0	35.2	47.1	36.0	41.4	55.6	100.0	114.3	141.7	83.4	54.1	62.5	115.4	66.7	92.9	65.6	17.4
Estonia ¹⁾	82.0	18.4	26.3	25.0	28.8	39.8	364.1	223.0	80.3	59.2	66.7	47.5	501.5	356.4	73.9	52.7	49.2	28.5
Hungary	118.8	27.8	10.1	4.6	7.0	23.4	105.3	37.8	28.9	16.7	13.4	16.4	133.1	66.5	59.9	32.0	19.5	23.4
Latvia	76.5	18.5	31.6	20.6	28.4	20.5	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Lithuania	276.2	208.0	101.0	15.4	51.7	11.7	118.2	136.8	81.5	57.7	86.1	110.4	94.3	55.6	-44.6	64.4	87.6	112.5
Malta	nav	6.2	22.3	20.3	14.0	7.8	nav	34.5	32.9	-5.8	-16.9	6.0	nav	31.8	41.8	-19.5	-28.3	-1.2
Poland	77.6	93.3	137.1	113.1	46.6	3.1	30.8	129.7	117.0	186.6	87.0	29.0	24.3	67.0	72.5	204.7	74.1	-1.7
Romania	nav	293.9	133.7	190.9	84.6	105.4	nav	186.6	22.6	49.5	102.3	16,013.2	nav	160.9	62.5	53.8	77.0	364.4
Slovakia ²⁾	181.0	175.0	54.0	37.0	52.0	27.1	207.0	164.0	98.0	146.0	88.0	37.4	171.0	198.0	109.0	120.0	72.0	12.5
Slovenia	77.1	40.7	34.6	42.1	20.5	12.5	nap	nap	332.9	164.7	89.4	21.2	nap	nap	335.9	209.6	75.2	28.7

1) Data relates to the volume and value of transactions by debit and credit card.

2) Transactions by debit and credit card up to 2001.

Table 7

Cards with a credit function and accepting terminals

	Number of accepting terminals per 1,000,000 inhabitants (end of year)						Number of transactions per inhabitant						Average value per transaction (EUR)						
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	
Bulgaria	nav	nav	nav	nav	nav	nav	neg	neg	neg	0.007	0.02	0.03	181	293	243	183	136	148	
Cyprus	5,677	7,582	9,101	10,996	13,694	15,416	4	6	8	9	11	13	78	78	80	81	81	78	
Czech Republic	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Estonia	1553	1856	2369	2977	3848	5395	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Hungary	1,172	1,499	1,663	1,746	1,875	2,241	0	neg	0	0.2	0.4	0.5	0	neg	61	57	57	60	
Latvia	1,176	1,407	1,867	2,268	2,933	3,550	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	
Lithuania	239	741	1,500	1,743	2,659	2,985	nav	nav	nav	0.05	0.08	0.11	nav	nav	nav	nav	72	72	55
Malta	9,127	9,655	11,684	13,921	15,729	16,423	nav	nav	nav	nav	nav	3	nav	nav	nav	nav	nav	nav	113
Poland	1,001	1,301	1,870	2,282	2,921	2,899	0.01	0.05	0.2	0.3	0.5	0.9	53	75	79	66	55	41	
Romania	2	9	20	58	108	184	nap	nap	0	0	0.0	0.04	nap	nap	28	75	56	42	
Slovakia	203	557	857	1,171	1,778	1,665	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Slovenia	4,063	5,730	7,699	10,915	13,145	14,807	16	19	22	26	28	29	26	26	26	30	31	33	

	Change in the number of accepting terminals (%)						Change in the number of transactions (%)						Change in the value of transactions (%)					
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
Bulgaria	nav	nav	nav	nav	nav	nav	nap	3,885.1	411.3	158.4	195.5	50.3	nap	6,565.4	322.9	94.6	117.8	63.2
Cyprus	54.9	35.1	21.4	22.1	26.0	14.4	61.1	41.4	26.8	23.1	21.9	19.2	72.1	40.8	28.6	23.8	22.4	14.7
Czech Republic	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Estonia	82	18.4	26.3	25	28.8	39.8	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Hungary	118.8	27.8	10.1	4.6	7.0	23.4	nav	neg	7,788.0	180.3	70.9	44.5	nav	neg	4,634.8	170.4	68.6	43.5
Latvia	76.5	18.5	31.6	20.6	28.4	20.5	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Lithuania	276.2	208.0	101.0	15.4	51.7	11.7	nav	nav	nav	nav	59.0	28.7	nav	nav	nav	nav	54.5	-4.4
Malta	nav	6.5	21.6	20.0	13.7	5.0	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Poland	38.8	30.0	43.6	22.0	28.0	-0.8	51.3	377.5	217.0	102.5	39.7	85.6	92.7	585.4	231.6	70.5	15.1	57.0
Romania	nap	293.9	133.7	190.9	84.6	70.3	nap	nap	neg	772.8	575.0	616.7	nap	nap	neg	2,623.6	558.1	570.0
Slovakia	181.0	175.0	54.0	37.0	52.0	-6.7	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Slovenia	77.1	40.7	34.6	42.1	20.5	12.5	27.8	23.4	15.6	17.5	9.1	0.0	34.9	29.0	21.7	43.2	20.7	7.3

Table 9**Number of cards**¹⁾*(end of year, per 1,000 inhabitants)*

	Cards with a cash function		Cards with a debit function		Cards with a credit function		Cards with a debit function issued by retailers		Cards with an e-money function		Cards with a cheque guarantee function	
	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
Bulgaria	125	204	123	202	1.4	2	nap	nap	nap	nap	nap	nap
Cyprus	955	973	319	382	580	570	nap	nap	nap	nap	nap	nap
Czech Republic	445	562	441	551	5	11	nav	44	nav	nav	neg	nav
Estonia	722.1	821.5	641.6	707.7	80.6	113.8	nav	nav	nap	nap	nap	nap
Hungary	501	534	503	526	45	62	39	39	nap	nap	nap	nap
Latvia	379	435	311	378	187	214	12	14	nap	nap	nap	nap
Lithuania	233	462	193	412	4	10	nav	nav	37	39	nap	nap
Malta	879	944	635	695	240	249	nap	nap	nap	nap	nap	nap
Poland ²⁾	371	436	330	390	23	31	nap	nap	nap	nap	80	nap
Romania	101.0	150.1	92.9	150.4	7.0	10.5	nap	nap	nap	nap	nap	nap
Slovakia	366	442	362	402	3	47	nav	nap	nap	nap	nap	nap
Slovenia	1,146	1,285	751	859	395	426	nap	nap	nap	nap	786	852

1) A card which has several functions is counted in each relevant column (e.g. a eurocheque card which can be used to withdraw cash, to make payments and to guarantee cheques is counted under each of these three items). For this reason, the figures should not be added together.

2) Retailer cards in Poland are usually credit cards or charge card.

Table 10**Use of cards***(end of year)*

	Average number of							
	Cash withdrawals per card with a cash function		Payments per card with a debit function		Payments per card with a credit function		Payments per card with an e-money function	
	2001	2002	2001	2002	2001	2002	2001	2002
Bulgaria	14.5	15.0	0.8	1.0	14.4	13.3	nap	nap
Cyprus	7.3	8.0	15.1	13.9	19.1	22.7	nap	nap
Czech Republic	22.1	18.5	5.9	7.2	nav	nav	nav	nav
Estonia	43.6	41.6	23.7 ¹⁾	30.8 ¹⁾	nav	nav	nap	nap
Hungary	18.5	18.7	25.4	27.4	8.7	8.7	nap	nap
Latvia	16.8	20.2	nav	nav	nav	nav	nap	nap
Lithuania	13.6	14.0	11.5	11.4	22.4	10.3	6.7	13.2
Malta	24.9	23.5	8.1	7.8	nav	12.0	nap	nap
Poland	20.2	19.8	4.7	5.1	21.2	28.9	nap	nap
Romania	15.4	443.1	0.3	25.5	0.8	3.6	nap	nap
Slovakia	26.0	24.8	5.4	6.7	nav	nav	nap	nap
Slovenia	20.5	20.4	17.6	18.7	71.9	66.9	nap	nap

1) *Payments by debit and credit card.*

Table 11**Use of cashless payment instruments***(total number of transactions, millions)*

	Cheques						Payments by credit/debit cards						Credit transfers					
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
Bulgaria	nav	nav	nav	nav	nav	nav	1	2	4	7	15	26	nav	nav	nav	nav	nav	nav
Cyprus	20	21	22	23	23	23	4	5	7	9	11	13	nav	2	2	3	3	5
Czech Republic	14	6	3	3	2	0.3	1	3	6	15	27	41	382	399	415	423	691	503
Estonia	nav	0	0.01	0.02	0.02	0.02	1.5	5	9	14	23	34	nav	24	26	31	39	45
Hungary	1	0	0.05	0.12	0.1	neg	11	10	24	32	40	53	50	78	103	125	134	132
Latvia	0.05	0.05	0.08	0.10	0.10	0.06	1.7	3.6	4.4	7.5	11.0	15.9	51	40	45	54	57	63
Lithuania	nav	nav	nav	nav	nav	0.02	1	1	3	4	8	17	12	14	15	20	30	35
Malta	11	9	9	10	10	11	nav	nav	nav	nav	3	3	nav	nav	1	1	2	3
Poland ¹⁾	6	7	7	8	5	2	5	12	27	59	95	128	196	250	328	428	512	507
Romania	5	6	5	8	13	10	neg	0.1	0.2	0.3	0.6	86	20	21	31	36	47	43
Slovakia	0.3	0.2	0.2	0.2	0.1	0.1	0.6	1	2	6	11	16	109	116	123	133	149	167
Slovenia	31	27	23	13	6	5	31	39	49	66	83	89	nav	nav	nav	nav	nav	99

1) For this table, data related to postal instruments have not been included.

	Direct debits						Card-based e-money						Total					
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
Bulgaria	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Cyprus	3	4	5	6	7	7	nav	nav	nav	nav	nav	nav	27	33	37	41	43	48
Czech Republic	18	22	79	124	200	210	nav	nav	nav	nav	nav	nav	415	430	503	564	920	754
Estonia	nav	0.10	0.85	2.78	4.94	6.59	nav	nav	nav	nav	nav	nav	nav	28.95	35.95	48.10	67.14	85.81
Hungary	34	34	39	43	47	51	nav	nav	nav	nav	nav	nav	95	122	166	200	221	236
Latvia	nav	0.01	0.01	0.02	0.05	0.17	nav	nav	nav	nav	nav	nav	53	43	49	61	68	79
Lithuania	neg	neg	1	1	1	1	0.1	0.3	0.4	1	1	2	12	16	19	26	39	54
Malta	neg	neg	neg	neg	neg	0.3	nav	nav	nav	nav	nav	nav	11	9	10	11	14	17
Poland ¹⁾	0	0	0	0.25	1.0	2	nav	nav	nav	nav	nav	nav	208	269	362	495	613	640
Romania	nav	nav	0	0.1	0.2	0.2	nav	nav	nav	nav	nav	nav	25	27	36	44	61	139
Slovakia	nav	3	4	4	4	5	nav	nav	nav	nav	nav	nav	110	120	129	143	164	188
Slovenia	nav	nav	nav	6	10	19	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	211

1) For this table, data related to postal instruments have not been included.

Table 12

Use of cashless payment instruments

(number of transactions per inhabitant)

	Cheques						Payments by credit/debit cards						Direct debits					
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
Bulgaria	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Cyprus	31	32	34	34	34	33	6	8	11	13	17	18	4	6	8	9	10	9
Czech Republic	1	1	0	0.2	0.2	0.03	0.1	0.3	0.6	1.4	2.6	4.0	2	2	8	12	20	20
Estonia	nav	0.02	0.01	0.01	0.02	0.02	1.1	3.5	6.4	10.2	17.1	25.3	nav	0.07	0.62	2.03	3.61	4.84
Hungary	0.1	0.0	0.004	0.012	0.01	neg	1	1	2	3	4	5	3	3	4	4	5	5
Latvia	0.02	0.02	0.03	0.04	0.04	0.03	0.7	1.5	1.8	3.2	4.7	6.8	nav	0.00	0.00	0.01	0.02	0.07
Lithuania	nav	nav	nav	nav	nav	0.01	0.2	0.4	0.7	1.2	2.3	4.8	neg	neg	0.3	0.2	0.2	0.2
Malta	29	23	23	25	25	28	nav	nav	nav	nav	7	7	neg	neg	neg	neg	neg	1
Poland ¹⁾	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.3	0.7	1.5	2.5	3.3	nav	neg	0.0011	0.007	0.02	0.06
Romania	0.2	0.3	0.2	0.3	0.6	0.4	0.00	0.01	0.01	0.01	0.03	3.87	nav	nav	0.00	0.01	0.01	0.01
Slovakia	0.1	0.0	0.03	0.03	0.03	0.03	0.1	0.2	0.4	1.1	2	3	nav	1	1	1	1	1
Slovenia	16	13	12	7	3	2	16	20	25	33	42	45	nav	nav	nav	3	5	10

1) For this table, data related to postal instruments have not been included.

	Credit transfers						Card-based e-money						Total					
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
Bulgaria	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Cyprus	nav	4	4	4	4	6	nav	nav	nav	nav	nav	nav	41	50	55	61	64	67
Czech Republic	37	39	40	41	67	49	nav	nav	nav	nav	nav	nav	40	42	49	55	90	74
Estonia	nav	17	19	23	28	33	nav	nav	nav	nav	nav	nav	nav	21	26	35	49	63
Hungary	5	8	10	13	13	13	nav	nav	nav	nav	nav	nav	9	12	16	20	22	23
Latvia	21	16	19	23	24	27	nav	nav	nav	nav	nav	nav	22	18	21	26	29	34
Lithuania	3	4	4	6	9	10	neg	0.1	0.1	0.2	0.2	0.5	3	5	5	7	11	16
Malta	nav	nav	3	3	5	6	nav	nav	nav	nav	nav	nav	29	23	26	28	37	42
Poland ¹⁾	5	6	8	11	13	13	nav	nav	nav	nav	nav	nav	5	7	9	13	16	17
Romania	1	1	1	2	2	2	nav	nav	nav	nav	nav	nav	1	1	2	2	3	6
Slovakia	20	21	23	25	27	31	nav	nav	nav	nav	nav	nav	20	22	24	26	30	35
Slovenia	nav	nav	nav	nav	nav	50	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	106

1) For this table, data related to postal instruments have not been included.

Table 13

Relative importance of cashless payment instruments
(percentage of total volume of cashless transactions)

	Cheques (%)			Payments by credit/debit cards (%)			Credit transfers (%)			Direct debits (%)			Card-based e-money (%)					
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
Bulgaria	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Cyprus	75	64	61	57	52	49	14	16	19	22	26	27	7	7	7	7	7	9
Czech Republic	3	1	1	0.4	0.2	0.04	0.3	0.7	1	3	3	5	92	93	83	75	75	67
Estonia	nav	0.07	0.04	0.04	0.04	0.03	nav	16.88	24.5	29.15	34.83	40.18	nav	82.7	73.1	65.02	57.77	52.06
Hungary	1	0	0.03	0.06	0.0	neg	11	8	14	16	18	22	52	64	62	63	61	56
Latvia	0.1	0.1	0.2	0.2	0.1	0.1	3	8	9	12	16	20	97	92	91	88	84	80
Lithuania	nav	nav	nav	nav	nav	0.04	5	9	14	17	20	31	94	89	79	78	76	65
Malta	100	100	89	88	68	65	nav	nav	nav	nav	19	18	nav	nav	11	12	13	15
Poland ¹⁾	3	3	2	2	1	0	2	4	8	12	16	20	95	93	91	86	83	79
Romania	22	22	15	17	21	7	0.2	0.5	0.5	0.6	1	62	78	78	84	82	77	31
Slovakia	0.3	0.2	0.1	0.1	0.1	0.1	0.5	1	2	4	7	9	99	96	95	93	91	89
Slovenia	nav	nav	nav	nav	nav	2.1	nav	nav	nav	nav	nav	42.0	nav	nav	nav	nav	nav	46.7

1) For this table, data related to postal instruments have not been included.

Table 14
Relative importance of cashless payment instruments
(percentage of total value of cashless transactions)

	Cheques (%)			Payments by credit/debit cards (%)			Credit transfers (%)			Direct debits (%)			Card-based e-money (%)					
	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002	1997	1998	1999	2000	2001	2002
Bulgaria	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Cyprus	97.3	31.6	37.9	16.2	20.2	18.8	1.5	0.6	0.8	0.4	0.7	0.7	1.2	0.6	0.8	0.3	0.5	0.7
Czech Republic	2.9	1.2	0.6	0.5	0.2	neg	0.02	0.02	0.04	0.06	0.1	0.1	1.5	0.8	0.7	1.0	2.9	3.0
Estonia	nav	0.1	0.0	0.0	0.0	0.01	nav	0.23	0.37	0.35	0.45	0.55	nav	97.34	99.59	99.58	98.9	99.0
Hungary	0.0	nav	0.0	0.05	0.0	0.00	0.2	0.1	0.2	0.2	0.2	0.3	nav	99.7	99.8	99.7	99.6	99.5
Lithuania	0.02	0.02	0.02	0.01	0.01	0.01	0.07	0.07	0.10	0.10	0.08	0.08	nav	99.9	99.9	99.9	99.9	99.9
Latvia	nav	nav	nav	nav	nav	neg	0.1	0.2	0.1	0.2	0.2	0.31	nav	99.9	99.8	98.8	98.9	99.3
Malta	nav	nav	51.4	62.3	52.7	68.5	nav	nav	nav	nav	1.2	1.2	nav	nav	48.6	37.7	46.1	30.0
Poland ¹⁾	1.2	1.0	0.8	0.5	0.4	0.5	0.1	0.1	0.2	0.3	0.3	0.4	0.0	0.0	0.012	0.05	0.07	0.1
Romania	4.5	4.6	5.6	6.1	5.9	4.2	0.0	0.01	0.02	0.02	0.03	0.08	nav	95.4	94.4	93.9	94.1	95.7
Slovakia	nav	0.0	0.01	0.01	0.01	0.01	nav	0.0	0.02	0.03	0.04	0.04	nav	99.8	99.7	99.8	99.8	99.9
Slovenia	nav	nav	nav	nav	nav	0.4	nav	nav	nav	nav	nav	3.3	nav	nav	nav	nav	nav	1.5

1) For this table, data related to postal instruments have not been included.

Table 15
Features of selected interbank funds transfer systems
(end of year)

	Type	Owner/manager	No. of participants		Processing	Settlement	Membership
				<i>of which direct</i>			
Bulgaria							
BISERA	L	Bankservice Ltd. ¹⁾	38	38	ACH	GS	O
Cyprus							
Large-value credit transfer system	L	CB	40	40	RTT	GS	O
Cyprus Clearing House	R	CB	12	11	ACH	N	O
JCC Multipack	R	B	9	9	ACH	N	O
JCCTransfer	R	B	7	7	ACH	N	O
Czech Republic							
CERTIS	L	CB	38	38	RTT	RTGS	O
Estonia							
Estonian RTGS	L	CB	28	13	RTT	RTGS	O
Estonian DNS	L/R	CB	9	9	ACH	N	O
Hungary							
VIBER	L	CB	261	38	RTT	RTGS	O
ICS	R	CB, B	261	56	ACH	GS	O
Latvia							
SAMS	L	CB	24	24	RTT	RTGS	O
EKS	R	CB	24	24	ACH	N	O
Lithuania							
TARPBANK	L/R	CB	119 ²⁾	33	ACH	N	O
Malta							
Interbank real-time gross payment arrangement	L, R	CB	5	5	RTT	RTGS	RM
Poland							
SYBIR	R	B/KIR	57	57	manual/partly electronic	N	O
ELIXIR	R	B/KIR	57	57	ACH	N	O
SORBNET	L	CB/CB	61	61	RTT	RTGS	RM
Romania							
National Payment System Gross settlement subsystem	L	CB/CB+AS	42	42	M	GS	O
Net settlement subsystem	R	CB+AS/CB+AS	45	45	M	N/BN	O
Slovakia							
SIPS	L, R	B, CB	26	24	ACH	N	O
Slovenia							
SIBPS	L	CB	24	24	RTT	RTGS	RM
Giro Clearing system	R	CB	23	23	ACH	N	RM

Type: L = large value; R = retail.

Owner/manager: B = banks; CB = central bank; AS = payment association.

Processing method: M = manual; ACH = automated clearing house (offline); RTT = real-time transmission.

Settlement: N = multilateral netting; BN = bilateral netting; RTGS = real-time gross settlement; GS = other gross settlement;

SOS = single obligation structure.

Membership: O = open membership (any bank can apply) or RM = restricted membership (subject to criteria).

1) Bankservice is a company owned by the central bank and the commercial banks.

2) Of which 86 are branches of direct participants (Lithuanian credit institutions).

Table 15 (cont.)
Features of selected interbank funds transfer systems
(end of year)

	Degree of centralisation	Pricing	Closing time for same-day transactions (local time)	Number of transactions (thousands)		Value of transactions (EUR billions)		Ratio of transactions value to GDP (at annual rate)	
				2001	2002	2001	2002	2001	2002
Bulgaria									
BISERA	C	F	21.30	23,785	24,626	33	37	2.3	2.2
Cyprus									
Large-value credit transfer system	C	N	14.30	55	59	74	71	7.3	6.6
Cyprus Clearing House	C	N	nap	17,707	17,713	21	21	2.1	1.9
JCC Multipack	C	F	nap	14,385	15,944	1	1	0.1	0.1
JCCTransfer ¹⁾	C	V	11.00	12	112	neg	0.1	neg	0.1
Czech Republic									
CERTIS	C	F	16.00	259,600	289,500	3,234	3,555	48.8	48.6
Estonia									
Estonian RTGS	C	S	18.00	nap	16.10	nav	32.1	nav	4.8
Estonian DNS	C	V	16.00	nap	13669.76	nav	9.3	nav	1.4
Hungary									
VIBER	C	F	16.3 ²⁾	240	337	545	1,066	9.5	15.9
ICS	C	F	2 ³⁾	139,573	154,482	160	186	2.9	2.8
Latvia									
SAMS	C	S	15.30	85	110	47	37	5.5	4.2
EKS	C	F	10.30	14,462	16,097	13	11	1.5	1.2
Lithuania									
TARPBANK	C	F	15.00	9,910	11,660	33	42	2.5	2.8
Malta									
Interbank real-time gross payment arrangement	C	F	14.30	22	20	9	15	2.2	3.7
Poland									
SYBIR	D	F	NO - 18.00 (for settlement next day)	246,083	127,410	83	47	0.4	0.2
ELIXIR	C	F	3 sessions per day	271,290	384,250	1,159	1,188	5.9	6.1
SORBNET	C	V	18.00	540	481	3,675	4,178	18.7	21.4
Romania									
National Payment System Gross settlement subsystem	D	V	16.00	296	400	84	108	2.0	2.5
Net settlement subsystem	D	V	12.30	16,209	19,250	33	35	0.8	0.8
Slovakia									
SIPS	C	F	13.00	158,225	178,217	731	1,049	31.97	42.1
Slovenia									
SIBPS	C	F	17:15	1,440	1,350	134	178	6.4	7.9
Giro Clearing system	C	F	16:00	48,180	50,490	17	20	0.8	0.9

Geographical access to the system: C = centralised (one processing centre only) or D = decentralised

Fees charged to participants: F = full costs (including investments); V = variable costs; S = symbolic (below variable cost); N = no costs.

Closing time for same-day transactions (NO = no same-day transactions).

1) Operations began on 9 November 2001.

2) 14:30 for third-party payments.

3) An overnight system.

Table 16
Operating hours of selected large-value interbank funds transfer systems

System	Gross (G) or net (N)	Opening/closing time for same-day value (local time)	Settlement finality (local time)	Cut-off for all third-party payment orders (local time)	Cut-off for international correspondents' payment orders (local time)	<i>Memo item: standard money market hours (local time)</i>
Bulgaria BISERA	G	07.00 / 21.30	next day ¹⁾	21.30	nap	nap
Cyprus Large-value credit transfer system	G	07.30 / 14.30	end of each processing cycle (same day)	12.30	12:30	7.55 / 13.35
Czech Republic CERTIS	G	16.30 (D-1) / 16.00	RTGS	16.00	No	8.00 / 16.00
Estonia Estonian RTGS	G	08.00/18.00	as soon as system accepts it	18.00	nap	8.00/18.00
Estonian DNS	N	10.00/16.00	as soon as system accepts it	16.00	nap	10.00/16.00
Hungary VIBER	G	8.00 / 16.30	RTGS	14.30	14.30	8.00 / 16.30
Latvia SAMS	G	8.30 / 16.00	RTGS	15.30	nap	10.00 / 15.00
Lithuania TARPBANK	N	8.00 / 15.00	11.00; 15.00	nap	nap	8.00 / 15.00
Malta Interbank real-time gross payment arrangement	G	8.00 - 14.30	RTGS	13.3	13.3	nap
Poland SORBNET	G	7.30 / 18.00	RTGS	16.00	17.00 ²⁾	7.30 / 18.00
Romania National Payment System Gross settlement subsystem	G	8.00/16.00	end of processing (same day)	14.30	nap	9.00-17.00
Slovakia SIPS	G ³⁾	16.00 (D-1) / 13.00	16.00	13.00	nap	11.30 / 13.00
Slovenia SIBPS	G	7.30 / 17.15	RTGS	16.00	16:00	7.30 / 17.00 ⁴⁾

Some systems do not make explicit distinction between large-value and retail transactions and may be used to settle interbank transfers relating to a variety of underlying transactions. Some systems may also accept payment orders for a number of value days.

Settlement finality (local time): for net settlement systems

Memo item: standard money market hours (local time): money market hours indicated refer to the period in which domestic interbank transactions are normally carried out. They therefore do not relate to particular interbank funds transfer systems.

1) Designated-time gross settlement during the night.

2) Customers' payment orders resulting from the implementation of the "Interbank Agreement on the Rules of Co-operation between Correspondent Banks".

3) Transactions are entered into the SNCC system and processed on technical accounts, transaction by transaction, throughout the day.

At the end of the day, the balances of the technical accounts are forwarded to the central bank and the net positions are booked on the reserve accounts there. This constitutes the final settlement.

4) Money market transactions can be arranged throughout the day. There is an evening money market from 16:00 to 17:00, when systems are closed for all transactions except money market transactions. Evening money market can be prolonged in the case of reasonable demand from a bank or banks.

Table 17

Features of selected securities settlement systems

Name of system	Bulgaria		Cyprus	Czech Republic			Estonia	Hungary	Latvia	Lithuania	Malta	
	GSD (CBSRTGS) ¹⁾	CDAD	CSE ³⁾	TKD	RM- system	UNIVYC	ECSD	KELER	VNS	DENOS	LCVPD	Malta Stock Exchange
Type of securities	G	E, B, C	G,E,B	B,G,O	B,G,S,O	B,G,S	B,G,E,O	B, E,G,O	B, G	B, C, G, S, O	B,G,S	G,E, B
Owner/manager	CB	O	SE	CB	O	SE	SE	CB, SE, O	CB	B, SE, O	CB,SE,O	SE
Number of participants	28	97	32	173	49	32	11	131	25	28	34	20
of which direct participants	28	97	32	173	49	32	10	131	25	28	34	20
Settlement of cash leg	G	G	G,N	RTGS	N	N	N	RTGS	RTGS	N, RTGS	GS,N	N
Securities settlement (delivery)	G	G	G	Y	RTGS	G	GS	G (RTGS)	RTGS	N, RTGS	G,N	G
Delivery lag (T+n)	T	T+3	T+2	T (15 min)	T	T ⁵⁾	T+3	T+3, T+2, T+0	T	From T to T+360	From T+1 to T+30	T+0
DVP mechanism	DVP1	DVP1	DVP1+2	DVP1	DVP1	DVP2	DVP2	DVP1, DVP3	DVP 1	DVP 1, DVP 3	DVP1, DVP3	No
Intraday finality	Y ²⁾	N	N	Y	Y	Y	N	Y	Y	Y	Y	No
Central securities depository	CBSRTGS	CDAD	CDCR ⁴⁾	TKD	SCP	SCP	ECSD	KELER	CB	LCB	LCVPD	Yes
Cash settlement agent	CB	CB	B	B	B	CB	CB	CB,O	CB	CB	CB	CB
Number of transactions (thousands)	8.03	0.43	455	16	39,000	248	62.63	336	4.88	23.01	43	7.770
Value of transactions (EUR billions)	3.67	0.22	0.64	1051.82	0.66	118.04	1.48	96.66	6.59	1.52	1.51	0.18
Ratio of transactions value to GDP (at annual rate)	0.22	0.01	0.06	14.38	0.01	1.61	0.22	1.44	0.75	0.17	0.10	0.106

Type: G = government securities; E = equities; B = bonds; C = CDs (certificates of deposit); O = other.

Owner/Manager: B = banks; CB = central bank; SE = stock exchange; O = other

Settlement of cash leg: G = gross; N = net; RTGS = real-time gross settlement.

DVP mechanism: DVP schemes as defined by the G10 Group:

DVP1: In model 1, transfer instructions for both securities and funds are settled on a trade-by-trade basis, with final transfer of securities from the seller to the buyer (delivery) occurring at the same time as final transfer of the funds from the buyer to the seller (payment).

DVP2: In model 2, securities transfer instructions are settled on a gross basis with final transfers of securities from the seller to the buyer (delivery) occurring throughout the processing cycle, but funds transfer instructions are settled on a net basis, with final transfer of funds from the buyer to the seller (payment) occurring at the end of the processing cycle.

DVP3: In model 3, transfer instructions for both securities and funds are settled on a net basis, with final transfer of both securities and funds occurring at the end of the processing cycle.

Intraday finality: Y = yes; N = no.

Cash settlement agent: B = banks; CB = central bank; SE = stock exchange; O = other.

Poland			Romania			Slovakia			Slovenia
KDPW	SKARBNET	SEBOP	BVB	SNCDD	BNR government securities system	BSSE	SLSE ¹²⁾	Central Registry	KDD
G,B,S,O	G	O				B, S, G, O	B, E, O	G, O	B, G, E, O
O (KDPW)	CB	CB	E,B SE	E O	G CB	B, O/SE	SE	CB	B, O
66	60	36	99	72	34	34	17	158	65
66	60	36	99	72	34	34	17	49	65
N,GS	RTGS	RTGS	N	N	G	GS	RTGS	GS	N, G ¹³⁾
G T+2 ⁶⁾ , T+3 ⁷⁾	RTGS T+2 ⁸⁾ , T+0 ⁹⁾	RTGS T+2 ¹⁰⁾ , T+0 ¹¹⁾	G	G	G	G T+3 (possible also T+1, T+2)	RTGS real-time	G T+0	G T+2, real time ¹³⁾
DVP2	DVP1	DVP1	T+3 DVP 2	T+3 DVP 2	T+0 DVP 1	DVP2	DVP1	DVP1	DVP2, DVP1 ¹³⁾
Y	Y	Y	NO	NO	NO	N	Y	N	N, Y ¹³⁾
KDPW	CRBS	RBP	YES	YES	YES	SC	SC	CB	Y
CB	CB	CB	YES	YES	YES	O	B	O	KDD
4,238	84	2.5	4,085,182.34	36.8	32.4	16	11	4,010	631
294.77	304.00	93.55	0.23	0.10	15.18	15.16	0.02	95.19	2.13
1.51	1.56	0.48	0.005	0.002	0.31	0.59	neg	3.73	0.10

1) Computerised Book-Entry System for Registration of and Trade in Government Securities.

2) Four times per day.

3) Cyprus Stock Exchange.

4) Central Depository and Registry and Clearing and Settlement system.

5) SPAD (System for support of trades with shares and bonds): (T+ 5)

Automatic trade: (T + 3)

Block Trade: from (T + 1) to (T + 15)

6) Bonds.

7) Other.

8) Primary.

9) Secondary.

10) Primary.

11) Secondary.

12) Former RM-System; since January 2002 as the Slovak Stock Exchange, joint stock company.

13) OTC transactions.

Table 18
Direct participants in RTGS systems

Name of the system	CZ CERTIS	EE Estonian RTGS	HU VIBER	LV SAMS	MT Interbank real-time gross payment arrangement	PL SORBNET	SI SIBPS
Direct participants	38	13	38	24	5	61	24
Credit institutions	37	7	34	23	4	58	22
Central bank	1	1	1	1	1	1	1
Non-banks	0	5	3	nap	nap	2	1
of which:							
public authorities	0	2	1	nap	nap	0	0
postal administration	0	nap	1	nap	nap	0	0
supervised financial institutions	0	3 ¹⁾	1	nap	nap	2,2 ¹⁾	1

1) Net settlement systems (DNS, OTCNS, SENS).

2) National Clearing House (KIR) and National Depository for Securities (KDPW).

Table 19
Direct participants in large-value payment systems

	BG BISERA	CY Large-value credit transfer system	EE Estonian DNS	LT TARPBANK	RO National Payment System, Gross settlement subsystem	SK SIPS
Name of system						
Direct participants	38	40	9	33	42	24
Credit institutions	34	13	7	14	40	22
Central bank	1	1	1	1	1	1
Non-banks	3	26 ¹⁾	1	18	1	2
<i>of which:</i>						
<i>public authorities</i>	1	15	1	0	1	0
<i>postal administration</i>		4	<i>nap</i>	0	<i>nap</i>	0
<i>supervised financial institutions</i>	2	0	<i>nap</i>	18	<i>nap</i>	1

1) Includes international organisations and another central bank.

Table 20
Direct participants in retail IFTSs

Name of system	CY		HU	LV	MT	PL		RO	SI
	Cyprus Clearing House	JCC Multipack				JCC Transfer	Estonian DNS		
Direct participants	11	9	56	24	5	57	57	45	23
Credit institutions	10	9	53	23	4	56	56	43	22
Central bank	1	0	1	1	1	1	1	1	1
Non-banks	0	0	2	nap	nap	0	0	1	0
<i>of which:</i>									
<i>public authorities</i>	0	0	1	nap	nap	0	0	1	0
<i>postal administration</i>	0	0	0	nap	nap	0	0	nap	0
<i>supervised financial institutions</i>	0	0	1	nap	nap	0	0	nap	0

Table 21
Access criteria of RTGS systems

Name of system	CZ CERTIS	EE Estonian RTGS	HU VIBER	LV SAMS	MT Interbank real-time gross payment arrangement	PL SORBNET	SI SIBPS
Access criteria							
Written rules	+	+	+	+	+	+	+
Minimum level of data or ratios representative of financial strength	+ ¹⁾		-	-		+	+
Minimum number of transactions	-	-	-	-	-	-	-
Payment of an entry fee	-	-	-	-	+	+	-
Approval from the owner/manager or the direct participants	-	+	+	+ ²⁾	+	+	+ ²⁾
Approval from the local central bank	- ¹⁾	+	+	+	+	+	+
Technical requirements	+ ¹⁾	+	+	+	+	+	+
Removal rules	-	+	+	+	+	+	+

Key: + = yes, - = no

1) All banks licensed in the Czech Republic can be direct participants. Participants have to enter into an agreement with the central bank which also contains rules and technical requirements. Rules will be modified by the new Act on Payment Systems (in force from 1 January 2003).

2) The owner/manager is the central bank.

Table 22
Access criteria of other large-value payment systems

Name of system	BG BISERA	CY ¹⁾ Large-value credit transfer system	EE Estonian DNS	LT TARPBANK	RO National Payment System, Gross settlement subsystem	SK SIPS
Access criteria	+	+	+	+	+	+
Written rules	+	- ¹⁾	+	+	+	+
Minimum level of data or ratios representative of financial strength	-	-	-	-	-	-
Minimum number of transactions	-	-	-	-	-	-
Payment of an entry fee	+	-	+	-	-	+
Approval from the owner/manager or the direct participants	+	+	+	+ ²⁾	-	+
Approval from the local central bank	+	+	+	+	-	+
Technical requirements	+	-	+	+	+	+
Removal rules	+	-	+	+	-	+

Key: + = yes, - = no

1) Prepared, not adopted.

2) The owner/manager is the central bank.

Table 23

Risk control measures in large-value net settlement systems

Name of system	EE Estonian DNS	LT TARPBANK	SI Giro clearing system
1. Settlement in central banks' accounts	+	+	+
2. Same-day settlement	+	+	+
3. Compliance with Lamfalussy standards			
1. Legal framework	+	+	-
<i>contractual (+) or advisory (-) netting if contractual: legally enforceable (+) or not (-)</i>	+	+	+
2. Participants' awareness	+	+	+
3. Risk management	+	+	+
<i>monitoring of intraday balance</i>	+	-	+
<i>multilateral limits</i>	+	+	-
<i>collateral requirements</i>	+	-	+
<i>intraday closures</i>	-	+	+
4. Timely settlement completion	+	+	+
<i>risk-sharing agreements</i>	-	-	+
<i>full collateralisation of largest net debit position</i>	+	+	+
5. Fair open access	+	+	+
6. Technical reliability	+	+	+

Key : + = yes, - = no.

Table 24a
SWIFT traffic: among accession countries message flow in 2002
(in 2002, thousands of messages)

From/to	Bulgaria	Cyprus	Czech Republic	Estonia	Hungary	Latvia	Lithuania	Malta	Poland	Romania	Slovakia	Slovenia	Total (worldwide)
Bulgaria	226.6	2.2	3.7	0.2	3.9	0.3	0.4	0.2	2.6	2.5	1.0	1.0	1,022.4
Cyprus	5.3	277.5	3.4	1.7	6.8	3.5	0.3	1.1	20.2	6.2	1.5	1.3	2,017.1
Czech Republic	3.3	3.9	555.5	2.1	42.3	5.0	3.2	0.6	91.5	4.9	312.0	8.0	5,269.6
Estonia	0.2	1.8	3.5	62.3	2.3	43.6	23.9	0.0	9.9	0.1	0.6	0.3	946.7
Hungary	4.4	6.6	74.0	1.8	640.5	2.5	1.9	0.7	45.4	46.7	75.4	17.8	5,427.3
Latvia	0.2	1.1	4.0	35.8	0.9	396.0	79.9	0.1	12.2	0.1	0.6	0.2	3,006.1
Lithuania	0.4	0.3	5.0	24.0	2.0	73.7	49.7	0.0	42.9	0.1	1.1	0.4	978.5
Malta	0.5	1.3	0.5	0.0	0.5	0.1	0.0	101.0	2.6	0.2	0.1	0.2	572.0
Poland	2.9	14.3	119.4	6.1	30.4	15.8	27.4	0.4	1,284.9	3.3	34.3	5.6	8,276.4
Romania	2.9	10.0	7.0	0.1	42.6	0.2	0.1	0.2	6.0	549.9	3.0	2.0	2,146.5
Slovakia	1.1	2.4	468.0	0.6	51.1	1.3	0.8	0.1	43.7	2.0	251.7	5.6	2,274.3
Slovenia	1.7	1.5	15.3	0.2	19.3	0.5	0.2	0.3	6.7	1.8	6.0	1,533.8	3,074.6
Total (worldwide)	1,302.4	1,647.3	4,173.1	943.5	4,079.3	2,835.4	1,017.8	494.2	6,836.8	2,356.2	1,782.0	2,990.9	1,817,444.0

Table 24b**Geographical breakdown of SWIFT message flows***(in 2002)*

	Messages sent			Messages received		
	Total	To domestic users (% of total)	To other accession countries (% of total)	Total	From domestic users (% of total)	From other accession countries (% of total)
Bulgaria	1,022,433	22.16%	1.76%	1,302,443	17.40%	1.76%
Cyprus	2,017,146	13.76%	2.55%	1,647,314	16.84%	2.76%
Czech Republic	5,269,603	10.54%	9.05%	4,173,149	13.31%	16.87%
Estonia	946,692	6.59%	9.10%	943,467	6.61%	7.69%
Hungary	5,427,312	11.80%	5.11%	4,079,309	15.70%	4.96%
Latvia	3,006,106	13.17%	4.49%	2,835,416	13.96%	5.17%
Lithuania	978,526	5.08%	15.33%	1,017,791	4.88%	13.58%
Malta	572,016	17.65%	1.06%	494,153	20.43%	0.73%
Poland	8,276,424	15.52%	3.14%	6,836,823	18.79%	4.15%
Romania	2,146,514	25.62%	3.45%	2,356,155	23.34%	2.88%
Slovakia	2,274,291	11.07%	25.37%	1,782,024	14.12%	24.44%
Slovenia	3,074,550	49.89%	1.74%	2,990,909	51.28%	1.42%
Total (all Accession countries)	35,011,613	16.94%	6.18%	30,458,953	19.47%	7.11%

Table 24c**SWIFT members, sub-members and participants in accession countries***(in 2002)*

	Number of users of the SWIFT network			
	Members	Sub-members	Participants	Total number of users
Bulgaria	15	9	12	36
Cyprus	9	19	1	29
Czech Republic	9	12	7	28
Estonia	3	1	4	8
Hungary	13	11	15	39
Latvia	12	3	10	25
Lithuania	2	5	7	14
Malta	7	4	0	11
Poland	24	12	13	49
Romania	17	15	8	40
Slovakia	9	6	2	17
Slovenia	14	2	9	25
Total (worldwide)	2,217	3,130	2,254	7,601

Table 24d**Shares of accession countries in SWIFT traffic, membership and equity holding***(in 2002)*

	Share of messages		Share of total members/users		Share of equity holding	
	sent (%)	received (%)	members (%)	users (%)	quantity	percentage (%)
Bulgaria	0.1%	0.1%	0.7%	0.5%	50	0.06%
Cyprus	0.1%	0.1%	0.4%	0.4%	199	0.23%
Czech Republic	0.3%	0.2%	0.4%	0.4%	348	0.40%
Estonia	0.1%	0.1%	0.1%	0.1%	128	0.15%
Hungary	0.3%	0.2%	0.6%	0.5%	248	0.29%
Latvia	0.2%	0.2%	0.5%	0.3%	152	0.18%
Lithuania	0.1%	0.1%	0.1%	0.2%	42	0.05%
Malta	0.0%	0.0%	0.3%	0.1%	63	0.07%
Poland	0.5%	0.4%	1.1%	0.6%	493	0.57%
Romania	0.1%	0.1%	0.8%	0.5%	109	0.13%
Slovakia	0.1%	0.1%	0.4%	0.2%	150	0.17%
Slovenia	0.2%	0.2%	0.6%	0.3%	279	0.32%
Total (worldwide)	100.0%	100.0%	100.0%	100.0%	86,500	100%

COUNTRY TABLES

BULGARIA

Table 1

Basic statistical data

	1997	1998	1999	2000	2001	2002
Population ¹⁾ (thousands)	8,312.0	8,257.0	8,211.0	8,170.0	7,951.6	7,899.9
GDP (BGL millions, current prices)	17,432.6	22,421.1	23,790.4	26,752.8	29,618.1	32,345.0
GDP per capita (BGL)	2,097.28	2,715.41	2,897.39	3,274.52	3,724.81	4,094.37
Exchange rate vis-à-vis ECU/EUR						
<i>end of year</i>	1.96	1.95	1.96	1.96	1.95	1.95
<i>average</i>	1.91	1.97	1.96	1.96	1.95	1.95

1) Average for the year.

Table 2

Settlement media used by non-banks

(end of year, BGN millions)

	1997	1998	1999	2000	2001	2002
Banknotes and coins	1,316.25	1,743.01	1,958.41	2,374.11	3,081.02	3,350.16
Transferable deposits	1,117.66	1,217.83	1,343.68	1,602.18	1,802.82	2,207.73
Narrow money supply (M1) ¹⁾	2,433.91	2,960.84	3,302.09	3,976.29	4,883.84	5,542.65
<i>Memorandum items:</i>						
Broad money supply ²⁾	6,163.29	6,814.19	7,662.11	10,061.27	12,600.14	14,146.49
Transferable deposits in foreign currencies	820.83	745.24	733.02	821.18	1,149.83	1,154.83
Outstanding value on e-money schemes	nap	nap	nap	nap	nap	nap
<i>of which:</i>						
<i>on card-based products</i>	nap	nap	nap	nap	nap	nap
<i>on network-based products</i>	nap	nap	nap	nap	nap	nap

1) The M1 monetary aggregate comprises currency outside banks and demand deposits in levs (current accounts).

2) The broad money monetary aggregate comprises M1, quasi money (comprising time deposits, savings deposits and foreign currency deposits) and money market instruments, debt securities, instruments issued by commercial banks, loans and restricted deposits.

Table 3

Settlement media used by banks

(end of year, BGN billions)

	1997	1998	1999	2000	2001	2002
Transferable balances held at central bank	0.622	0.380	0.463	0.361	0.457	0.648
<i>of which:</i>						
<i>required reserves ¹⁾</i>	0.319	0.310	0.388	0.341	0.284	0.311
<i>free reserves ²⁾</i>	0.303	0.070	0.076	0.020	0.173	0.337
Transferable balances held at other banks	0.093	0.069	0.039	0.024	0.041	0.050
<i>Memorandum item:</i>						
Institutions' borrowing from central bank	0.335	0.256	0.229	0.125	0.071	0.043

1) Lev-denominated component only.

2) Lev and foreign-currency-denominated components.

Table 4

Banknotes and coins ¹⁾*(BGN thousands)*

	1997	1998	1999	2000	2001	2002
Total banknotes issued	1,418,195	1,839,445	2,060,820	2,475,320	3,228,171	3,579,526
<i>of which:</i>						
<i>old denominations</i>						
<i>BGL 50,000</i>	711,927	1,052,138	29,946	4,604	3,678	3,240
<i>BGL 10,000</i>	254,971	407,566	11,548	3,450	3,059	2,878
<i>BGL 5,000</i>	183,298	174,466	3,905	2,021	1,849	1,765
<i>BGL 2,000</i>	98,869	88,961	2,974	1,780	1,696	1,685
<i>BGL 1,000</i>	70,060	72,841	2,605	1,530	1,454	1,419
<i>BGL 500</i>	59,595	27,702	2,560	1,427	1,377	1,350
<i>BGL 200</i>	27,125	10,402	1,979	1,192	1,169	1,158
<i>BGL 100</i>	8,231	3,943	1,267	954	945	940
<i>BGL 50</i>	2,181	665	616	neg	neg	neg
<i>BGL 20</i>	1,424	762	726	neg	neg	neg
<i>BGL 10</i>	226	neg	neg	neg	neg	neg
<i>BGL 5</i>	152	neg	neg	neg	neg	neg
<i>BGL 2</i>	64	neg	neg	neg	neg	neg
<i>BGL 1</i>	71	neg	neg	neg	neg	neg
<i>new denominations</i>						
<i>BGN 50</i>	nap	nap	1,003,724	1,176,485	1,764,983	1,940,016
<i>BGN 20</i>	nap	nap	484,094	672,829	819,038	938,719
<i>BGN 10</i>	nap	nap	285,178	391,690	460,167	503,574
<i>BGN 5</i>	nap	nap	152,327	134,535	87,831	109,022
<i>BGN 2</i>	nap	nap	40,148	48,676	45,918	49,442
<i>BGN 1</i>	nap	nap	37,223	34,147	35,007	24,318
Total coins issued	234,776	442,551	22,098	29,373	34,710	48,402
<i>of which:</i>						
<i>old denominations</i>						
<i>BGL 50</i>	106	2,145	1,753	1,437	1,430	1,429
<i>BGL 20</i>	51	1,220	1,079	939	934	933
<i>BGL 10</i>	574	1,074	929	845	841	841
<i>BGL 5</i>	276	320	263	254	253	253
<i>BGL 2</i>	130	145	129	125	125	125
<i>BGL 1</i>	135	135	125	109	109	109
<i>BGL 0.5</i>	39	39	38	5	5	5
<i>BGL 0.2</i>	40	40	39	2	2	2
<i>BGL 0.1</i>	31	31	31	2	2	2
<i>BGL 0.05</i>	neg	neg	neg	neg	neg	neg
<i>BGL 0.02</i>	neg	neg	neg	neg	neg	neg
<i>BGL 0.01</i>	neg	neg	neg	neg	neg	neg
<i>new denominations</i>						
<i>BGN 1</i>	nap	nap	nap	nap	nap	8,155
<i>BGN 0.5</i>	nap	nap	7,057	9,100	10,434	12,333
<i>BGN 0.2</i>	nap	nap	4,806	7,550	8,448	9,987
<i>BGN 0.1</i>	nap	nap	2,980	4,890	6,371	7,365
<i>BGN 0.05</i>	nap	nap	1,047	1,887	2,483	2,874
<i>BGN 0.02</i>	nap	nap	534	904	1,390	1,700
<i>BGN 0.01</i>	nap	nap	272	568	837	1,048
<i>commemorative coins</i>	233,394	437,403	1,016	756	1,046	1,241
Total banknotes and coins issued	1,652,970	2,281,996	2,082,918	2,504,693	3,262,881	3,627,928
Banknotes and coins held by credit institutions	96,363	104,752	112,297	133,929	179,527	277,767
Banknotes and coins in circulation outside credit institutions	1,556,607	2,177,244	1,970,621	2,370,764	3,083,354	3,350,161

1) A redenomination took place in 1999. BGL 1,000 = BGN 1.

Table 5

Institutional framework*(end of 2002)*

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (BGN billions)
Central bank	1	3	nav	nav	nav
Credit institutions	34	680	nav	nav	nav
Post Office	1	3,028	nap	nap	nap
Total	36	3,711	nav	nav	2.2
<i>of which:</i>					
<i>virtual institutions</i>	0	0	0	0	0
Branches of foreign banks	6	nav	nav	nav	nav
<i>of which:</i>					
<i>EU-based</i>	4	nav	nav	nav	nav

Table 6

Payment card functions and accepting devices*(end of year)*

	1997	1998	1999	2000	2001	2002
Cash function						
Cards with a cash function	62,792	106,186	270,929	560,934	990,414	1,614,105
Number of networks	1	1	1	1	1	1
Number of ATMs with a cash dispensing function	118	162	279	420	642	829
<i>of which:</i>						
<i>open access</i>	118	162	279	420	642	829
<i>limited access</i>	nap	nap	nap	nap	nap	nap
Volume of transactions (thousands)	1,287	1,920	3,364	6,812	14,363	24,235
<i>of which:</i>						
<i>at ATMs with open access</i>	1,287	1,920	3,364	6,812	14,363	24,235
<i>at ATMs with limited access</i>	nap	nap	nap	nap	nap	nap
Value of transactions (BGN millions)	40.06	118.42	248.53	551.22	1,158.40	2,004.29
<i>of which:</i>						
<i>at ATMs with open access</i>	40.06	118.42	248.53	551.22	1,158.40	2,004.29
<i>at ATMs with limited access</i>	nap	nap	nap	nap	nap	nap
Number of ATMs with a giro transfer function	nav	nav	nav	nav	nav	829
<i>volume of transactions (millions)</i>	nav	nav	nav	nav	nav	0.104
<i>value of transactions (BGN billions)</i>	nav	nav	nav	nav	nav	24.745
Debit function						
Cards with a debit function	62,773	105,706	269,512	557,602	979,546	1,596,362
<i>of which:</i>						
<i>retailer cards (thousands)</i>	nap	nap	nap	nap	nap	nap
Number of networks	1	1	1	1	1	1
Number of terminals	72	352	497	1087	1968	2554
Volume of transactions (thousands)	1.6411	58.339	121.186	281.432	825.218	1,519
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	nap	nap	nap	nap	nap	nap
Value of transactions (BGN millions)	0.520	4.691	11.680	32.490	106.460	214.192
<i>of which:</i>						
<i>transactions with retailer cards (BGN billions)</i>	nap	nap	nap	nap	nap	nap

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Credit function						
Cards with a credit function	19	437	1,417	3,332	10,886	17,743
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	1	1	1	1	1	1
Number of terminals	nav	nav	nav	nav	nav	nav
Volume of transactions (thousands)	0.10	4.03	20.58	53.17	157.09	236.13
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (BGN millions)	0.03	2.32	9.82	19.11	41.62	67.92
<i>of which:</i>						
<i>transactions with retailer cards (BGN billions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Electronic money function						
Cards with an e-money function (thousands)	nap	nap	nap	nap	nap	nap
Number of accepting terminals	nap	nap	nap	nap	nap	nap
Number of networks	nap	nap	nap	nap	nap	nap
Number of purchase transactions (millions)	nap	nap	nap	nap	nap	nap
Value of purchase transactions (BGN billions)	nap	nap	nap	nap	nap	nap
Number of loading transactions (millions)	nap	nap	nap	nap	nap	nap
Number of loading terminals	nap	nap	nap	nap	nap	nap
Value of money loaded (BGN billions)	nap	nap	nap	nap	nap	nap
Float (BGN billions)	nap	nap	nap	nap	nap	nap
Delayed debit cards (charge cards)						
Cards with a delayed debit function (thousands)	nap	nap	nap	nap	nap	nap
Number of terminals	nap	nap	nap	nap	nap	nap
Volume of transactions (millions)	nap	nap	nap	nap	nap	nap
Value of transactions (BGN billions)	nap	nap	nap	nap	nap	nap
<i>Memorandum item:</i>						
Total number of cards in circulation (thousands)	62,792	106,143	270,929	560,934	990,432	1,614,105
<i>of which:</i>						
<i>cards with a combined debit, cash and e-money function (thousands)</i>	nap	nap	nap	nap	nap	nap
<i>cards with a cheque guarantee function (thousands)</i>	nap	nap	nap	nap	nap	nap

Table 7
Payment instructions handled by selected interbank funds transfer systems:
volume of transactions
(thousands)

	1997	1998	1999	2000	2001	2002
BISERA	10,182	11,951	15,037	19,394	23,785	24,626
Paperless credit transfers	8,783	10,509	13,779	18,083	22,227	23,080
Direct debits	1,093	1,275	1,211	1,247	1,468	1,420
Card payments	304	154	34	56	82	111
Cheques	neg	neg	neg	0	neg	neg
Letters of credit	neg	neg	neg	neg	neg	neg
DVP	nap	13	13	8	7	15
Concentration ratio	0.68	0.63	0.63	0.63	0.61	0.53

Table 8

**Payment instructions handled by selected interbank funds transfer systems:
value of transactions**

(BGN millions)

	1997	1998	1999	2000	2001	2002
BISERA	26,467.73	38,527.46	45,054.31	55,490.28	64,265.34	71,350.63
Paperless credit transfers	25,928.88	37,765.41	44,250.71	54,557.10	62,573.22	68,977.07
Direct debits	512.79	639.57	650.39	622.72	938.47	894.01
Card payments	12.07	50.26	115.39	285.63	716.48	1,382.77
Cheques	0.54	0.28	neg	0.00	neg	neg
Letters of credit	13.46	9.19	7.12	5.90	8.76	3.10
DVP	nap	62.75	30.54	18.93	28.40	93.68
Concentration ratio	0.64	0.60	0.63	0.63	0.55	0.46

Table 9

Indicators of the use of various cashless payment instruments: volume of transactions

(millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Payments by debit card	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Payments by credit card	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Credit transfers	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Direct debits	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Card-based e-money	nav	nav	nav	nav	nav	nav
Network-based e-money	nav	nav	nav	nav	nav	nav
Total	nav	nav	nav	nav	nav	nav

Table 10

Indicators of the use of various cashless payment instruments: value of transactions
 (BGN billions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>televanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Payments by debit card	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>televanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Payments by credit card	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>televanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Credit transfers	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>televanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Direct debits	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>televanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Card-based e-money	nav	nav	nav	nav	nav	nav
Network-based e-money	nav	nav	nav	nav	nav	nav
Total	nav	nav	nav	nav	nav	nav

Table 11a

Instructions handled by trading platforms, clearing houses and securities settlement systems:
volume of transactions
 (millions)

	1997	1998	1999	2000	2001	2002
Trading platform						
CDAD	0.007	19.8	21.2	42.9	70.9	311.3
Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement systems						
CDAD	0.007	64.8	116.5	117.5	124.2	434.3
GSD *						
Government securities	8,288	9,240	9,721	9,284	8,599	8,029
<i>of which:</i>						
<i>bills</i>	4,379	5,537	4,088	1,805	1,214	662
<i>notes</i>	1,254	1,098	3,863	6,044	5,845	4,231
<i>bonds</i>	2,655	2,605	1,770	1,435	1,540	3,136

Table 11b

**Instructions handled by trading platforms, clearing houses and securities settlement systems:
market value of transactions**

(BGN millions)

	1997	1998	1999	2000	2001	2002
Trading platform						
CDAD	0.075	160.7	1,000.0	133.0	160.0	416.0
Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement systems						
CDAD	0.079	205.7	2,900.0	158.0	192.0	422.0
GSD ¹⁾						
Government securities	12135.5	7912.0	10368.3	9502.2	8097.7	7140.5
<i>of which:</i>						
<i>bills</i>	3,826.79	3,618.70	4,473.38	1,083.10	820.00	387.68
<i>notes</i>	1,202.94	575.61	3,231.39	5,832.04	5,446.79	3,854.71
<i>bonds</i>	7,105.75	3,717.67	2,663.50	2,587.03	1,830.89	2,898.15

1) Nominal value.

Table 11c

Number of participants in trading platforms, clearing houses and securities settlement systems

	1997	1998	1999	2000	2001	2002
Trading platform	nav	nav	nav	nav	nav	nav
Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement systems						
CDAD	42	75	90	93	97	105
GSD	28	18	22	25	25	28
<i>banks</i>	20	16	19	21	21	24
<i>saving banks</i>	1	0	0	0	0	0
<i>stockbrokers</i>	6	2	2	3	3	3
<i>insurance companies</i>	1	0	1	1	1	1

Table 11d

Outstanding securities

(end of year)

	1997	1998	1999	2000	2001	2002
CDAD						
Value of securities issued (BGN billions)	nap	nap	nap	nap	nap	nap
Volume of securities issued millions)	239.5	388.4	478.0	684.0	1,190.0	1,797.0
Volume of securities registered GSD ¹⁾	247,947,688	404,191,128	462,993,957	575,806,062	833,428,017	945,103,444
Value of government securities issued (BGN millions)	2,821.9	2,297.3	2,073.7	1,772.3	1,861.3	2,124.1
Number of government securities issued	221	192	211	136	100	98

1) Nominal value.

Table 11e

Netting ratio in clearing systems

	1997	1998	1999	2000	2001	2002
CDAD						
Netting ratio for cash over year	nap	nap	nap	nap	nap	nap
Netting ratio for securities over year	nap	nap	nap	nap	nap	nap
GSD						
Netting ratio for cash over year	nap	nap	nap	nap	nap	nap
Netting ratio for securities over year	nap	nap	nap	nap	nap	nap

Table 12

Participation in SWIFT by domestic institutions

	1997	1998	1999	2000	2001	2002
Members	25	25	14	15	15	15
<i>of which live</i>	24	22	14	15	15	15
Sub-members	5	5	6	6	7	9
<i>of which live</i>	5	5	6	5	6	9
Participants	0	2	11	9	10	12
<i>of which live</i>	0	2	10	9	10	12
Total users	30	32	31	30	32	36
<i>of which live</i>	29	29	30	29	31	36
<i>Memorandum items:</i>						
Total SWIFT users	6,372	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>						
<i>members</i>	3,070	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,621	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	681	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1997	1998	1999	2000	2001	2002
Total messages sent	469,733	583,897	663,125	811,132	873,611	1,022,433
<i>of which:</i>						
<i>category I</i>	233,126	288,437	338,017	415,219	442,363	484,643
<i>category II</i>	90,692	113,797	118,602	157,924	189,344	246,752
Total messages received	646,241	728,103	849,099	1,021,763	1,129,032	1,302,443
<i>of which:</i>						
<i>category I</i>	289,748	328,476	379,477	484,918	529,696	583,439
<i>category II</i>	19,525	18,990	20,192	25,111	39,839	70,485
Domestic traffic	111,174	134,806	165,653	207,625	195,862	226,591
<i>Memorandum item:</i>						
Global SWIFT traffic ¹⁾	812,117,556	941,235,088	1,076,490,597	1,298,668,103	1,533,906,047	1,817,443,994

1) In January 2000 changes were made to the reporting methodology, resulting in a 2% increase in global SWIFT traffic. The new methodology was applied retroactively to 1999.

Table 1

Basic statistical data

	1997	1998	1999	2000	2001	2002
Population ¹⁾ (thousands)	675.2	682.9	690.5	697.5	705.5	717.1
GDP (CYP millions, current prices)	4,373.1	4,697.8	5,030.4	5,511.8	5,880.0	6,191.5
GDP per capita (CYP)	6,476.7	6,879.2	7,285.2	7,902.2	8,334.5	8,634.1
Exchange rate vis-à-vis ECU/EUR						
<i>end of year</i>	0.58	0.58	0.58	0.57	0.57	0.57
<i>average</i>	0.58	0.58	0.58	0.57	0.58	0.58

1) Average for the year.

Table 2

Settlement media used by non-banks

(end of year, CYP millions)

	1997	1998	1999	2000	2001	2002
Banknotes and coins	276.2	289.9	313.6	333.3	356.5	392.8
Transferable deposits	434.9	445.7	726.1	747.6	730.2	644.3
Narrow money supply (M1)	711.1	735.6	1,039.7	1,080.9	1,086.7	1,037.1
<i>Memorandum items:</i>						
Broad money supply	4,701.1	5,113.9	5,885.2	6,368.7	7,202.2	8,164.0
Outstanding value on e-money schemes	nap	nap	nap	nap	nap	nap
<i>of which:</i>						
<i>on card-based products</i>	nap	nap	nap	nap	nap	nap
<i>on network-based products</i>	nap	nap	nap	nap	nap	nap

Table 3

Settlement media used by banks

(end of year, CYP millions)

	1997	1998	1999	2000	2001	2002
Transferable balances held at central bank ¹⁾	321.4	386.0	535.6	559.7	520.7	635.5
<i>of which:</i>						
<i>required reserves</i> ²⁾	314.0	342.1	410.7	501.3	465.7	512.9
<i>free reserves</i> ³⁾	7.4	43.9	124.9	58.4	55.0	122.6
Transferable balances held at other banks ^{3), 4)}	30.3	15.6	87.4	137.9	93.6	50.2
<i>Memorandum item:</i>						
Institutions' borrowing from central bank	neg	5.6	neg	3.1	neg	0.0

1) As from 2001 the reserve requirement was reduced from 7% to 6.5% of average deposit liabilities.

2) The whole balance can be used for payment purposes.

3) Excludes balances in foreign currencies.

4) Includes some time deposits (up to 3 months).

Table 4

Banknotes and coins

(end of year, total value, CYP millions)

	1997	1998	1999	2000	2001	2002
Total banknotes issued	282.8	299.7	326.2	347.2	377.7	414.3
<i>of which:</i>						
<i>CYP 20</i>	100.9	104.5	105.5	114.6	145.0	179.6
<i>CYP 10</i>	153.3	165.0	188.2	198.1	196.4	197.1
<i>CYP 5</i>	14.7	15.5	16.6	16.8	17.7	18.3
<i>CYP 1</i>	13.9	14.7	15.9	17.7	18.6	19.3
Total coins issued	23.1	24.5	26.5	29.2	31.5	33.4
<i>of which:</i>						
<i>CYP 0.5</i>	8.4	9.3	10.2	11.4	12.6	13.6
<i>CYP 0.2</i>	6.7	6.9	7.5	8.2	8.8	9.2
<i>CYP 0.1</i>	3.6	3.7	3.9	4.3	4.6	4.8
<i>CYP 0.05</i>	2.7	2.8	3.0	3.2	3.4	3.6

<i>CYP 0.02</i>	<i>1.1</i>	<i>1.1</i>	<i>1.2</i>	<i>1.3</i>	<i>1.3</i>	<i>1.4</i>
<i>CYP 0.01</i>	<i>0.6</i>	<i>0.7</i>	<i>0.7</i>	<i>0.8</i>	<i>0.8</i>	<i>0.8</i>
Total banknotes and coins issued	305.9	324.2	352.7	376.4	409.2	447.7
Banknotes and coins held by credit institutions	29.7	34.3	39.1	43.1	52.7	54.9
Banknotes and coins in circulation outside credit institutions	276.2	289.9	313.6	333.3	356.5	392.8

Table 5
Institutional framework
(end of 2002)

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet linked accounts	Value of accounts (CYP millions)
Central bank	1	1	0.1	nap	38
Banks	13	532	1,631.5	308.6	6,094
Co-operative Credit Institutions (CCIs)	364	475	nav	nap	nav ¹⁾
Total	378	1008	1,631.6	308.6	6,132
<i>of which:</i>					
<i>virtual institutions</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Branches of foreign banks	1	12	nav	nav	nav
<i>of which:</i>					
<i>EU-based</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

1) The clearing and settlement of cheques and execution of credit transfers for customers of CCIs take place at a bank. Thus the transferable balances the CCIs hold with this bank are included under "Banks".

Table 6
Payment card functions and accepting devices
(end of year)

	1997	1998	1999	2000	2001	2002
Cash function						
Cards with a cash function (thousands)	498	530	564	594	674	698
Number of networks	6	7	8	9	9	9
Number of ATMs with a cash dispensing function	158	187	221	262	313	354
<i>of which:</i>						
<i>open access</i>	<i>157</i>	<i>183</i>	<i>209</i>	<i>245</i>	<i>292</i>	<i>326</i>
<i>limited access</i>	<i>1</i>	<i>4</i>	<i>12</i>	<i>17</i>	<i>21</i>	<i>28</i>
Volume of transactions (millions)	1.9	2.1	2.6	3.6	4.9	5.6
<i>of which:</i>						
<i>at ATMs with open access¹⁾</i>	<i>1.9</i>	<i>2.1</i>	<i>2.6</i>	<i>3.6</i>	<i>4.9</i>	<i>5.4</i>
<i>at ATMs with limited access</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>0.2</i>
Value of transactions (CYP millions)	100.0	139.2	148.6	204.4	291.4	339.8
<i>of which:</i>						
<i>at ATMs with open access¹⁾</i>	<i>100.0</i>	<i>138.8</i>	<i>147.1</i>	<i>202.7</i>	<i>289.1</i>	<i>329.2</i>
<i>at ATMs with limited access</i>	<i>neg</i>	<i>0.4</i>	<i>1.5</i>	<i>1.7</i>	<i>2.3</i>	<i>10.6</i>
Number of ATMs with a giro transfer function	105	123	136	157	214	242
<i>volume of transactions (millions)²⁾</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>neg</i>
<i>value of transactions (CYP millions)²⁾</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>3.1</i>
Debit function						
Cards with a debit function (thousands)	145	155	172	183	225	274
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	1	1	1	1	1	1
Number of terminals	3,833	5,178	6,284	7,670	9,661	11,055
Volume of transactions (millions)	0.9	1.3	1.8	2.4	3.4	3.8
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

Value of transactions (CYP millions)	47.3	72.6	87.5	121.1	174.0	196.8
<i>of which:</i>						
<i>transactions with retailer cards (CYP millions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Credit function						
Cards with a credit function (thousands)	354	361	366	383	409	409
<i>of which:</i>						
<i>retailer cards (thousands)</i>	28	28	20	22	24	21
Number of networks	1	1	1	1	1	1
Number of terminals	3,833	5,178	6,284	7,670	9,661	11,055
Volume of transactions (millions)	2.9	4.1	5.2	6.4	7.8	9.3
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>0.1</i>	<i>0.1</i>	<i>neg</i>	<i>neg</i>	<i>0.1</i>	<i>neg</i>
Value of transactions (CYP millions)	132.2	186.2	239.5	296.6	362.9	416.1
<i>of which:</i>						
<i>transactions with retailer cards (CYP millions)</i>	<i>6.5</i>	<i>7.9</i>	<i>5.9</i>	<i>6.5</i>	<i>4.8</i>	<i>2.6</i>
Electronic money function						
Cards with an e-money function (thousands)	nap	nap	nap	nap	nap	nap
Number of accepting terminals	nap	nap	nap	nap	nap	nap
Number of networks	nap	nap	nap	nap	nap	nap
Number of purchase transactions (millions)	nap	nap	nap	nap	nap	nap
Value of purchase transactions (CYP millions)	nap	nap	nap	nap	nap	nap
Number of loading transactions (millions)	nap	nap	nap	nap	nap	nap
Number of loading terminals	nap	nap	nap	nap	nap	nap
Value of money loaded (CYP millions)	nap	nap	nap	nap	nap	nap
Float (CYP millions)	nap	nap	nap	nap	nap	nap
Delayed debit cards (charge cards)						
Cards with a delayed debit function (thousands)	6	5	6	5	5	7
Number of terminals	nav	nav	nav	nav	nav	
Volume of transactions (millions)	neg	neg	neg	neg	neg	0.4
Value of transactions (CYP millions)	2.4	3.9	6.0	8.0	6.8	14.6
<i>Memorandum item:</i>						
Total number of cards in circulation (thousands)	541	563	590	621	703	743
<i>of which:</i>						
<i>cards with a combined debit and cash function (thousands)</i>	<i>145</i>	<i>155</i>	<i>172</i>	<i>183</i>	<i>225</i>	<i>274</i>
<i>cards with a combined credit and cash function (thousands)</i>	<i>326</i>	<i>334</i>	<i>345</i>	<i>362</i>	<i>397</i>	<i>368</i>

1) Includes cash withdrawals by visitors to Cyprus.

2) 1997 - 2001: included in cash dispensing statistics.

Table 7

Payment instructions handled by selected interbank funds transfer systems:

volume of transactions

(thousands)

	1997	1998	1999	2000	2001	2002
Large-value credit transfer system	27	33	41	50	55	59
Cyprus Clearing House	16,962	16,824	17,232	17,904	17,707	17,713
<i>of which:</i>						
<i>cheques</i>	15,821	15,679	16,072	16,722	16,461	16,395
<i>postal drafts</i>	1,141	1,145	1,160	1,182	1,246	1,318
JCC Multipack	4,924	7,071	9,267	11,777	14,385	15,944
<i>of which:</i>						
<i>payments</i>	4,372	6,352	8,327	10,550	12,818	14,290
<i>cash withdrawals</i>	552	719	940	1,227	1,567	1,654
JCC Transfer ¹⁾	nap	nap	nap	nap	12	112
Concentration ratio	nav	nav	nav	nav	nav	nav

1) Operations began on 9 November 2001.

Table 8

Payment instructions handled by selected interbank funds transfer systems:

value of transactions

(CYP millions)

	1997	1998	1999	2000	2001	2002
Large-value credit transfer system	16,435	16,426	34,266	80,940	42,824	41,038
Cyprus Clearing House	8,315	8,562	13,642	17,780	12,206	11,991
<i>of which:</i>						
<i>cheques</i>	8,101	8,336	13,394	17,507	11,916	11,663
<i>postal drafts</i>	214	226	248	273	290	328
JCC Multipack	256	346	443	578	721	817
<i>of which:</i>						
<i>payments</i>	209	285	364	473	582	664
<i>cash withdrawals</i>	47	61	79	105	139	153
JCC Transfer ¹⁾	nap	nap	nap	nap	5	47
Concentration ratio	nav	nav	nav	nav	nav	nav

1) Operations began on 9 November 2001.

Table 9

Indicators of the use of various cashless payment instruments: volume of transactions ¹⁾

(millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques ²⁾	20.3	21.0	22.3	23.0	22.6	23.4
<i>of which:</i>						
<i>face-to-face</i>	20.3	21.0	22.3	23.0	22.6	23.4
<i>via PC or other terminal</i>	nap	nap	nap	nap	neg	nap
<i>telebanking</i>	nap	nap	nap	nap	neg	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Payments by debit card	0.9	1.3	1.8	2.4	3.4	3.8
<i>of which:</i>						
<i>face-to-face</i>	0.9	1.3	1.8	2.4	3.4	3.8
<i>via PC or other terminal</i>	nap	nap	neg	neg	neg	neg
<i>telebanking</i>	nap	nap	nap	nap	neg	nap
<i>via mobile phone</i>	nap	nap	nap	nap	neg	nap
Payments by credit card ³⁾	2.9	4.1	5.2	6.4	7.8	9.2
<i>of which:</i>						
<i>face-to-face</i>	2.9	4.1	5.2	6.4	7.8	9.2
<i>via PC or other terminal</i>	nap	nap	neg	neg	neg	neg
<i>telebanking</i>	nap	nap	nap	nap	neg	nap
<i>via mobile phone</i>	nap	nap	nap	nap	neg	nap

Credit transfers ⁴⁾	nav	2.4	2.4	2.7	2.9	4.5
of which:						
face-to-face	nav	2.4	2.4	2.7	2.9	4.1
via PC or other terminal	neg	neg	neg	neg	neg	0.4
telebanking	nap	nap	nap	nap	neg	neg
via mobile phone	nap	nap	nap	nap	neg	neg
Direct debits	2.8	4.1	5.1	6.0	6.5	6.7
of which:						
face-to-face	2.8	4.1	5.1	6.0	6.5	6.7
via PC or other terminal	nap	nap	neg	neg	neg	neg
telebanking	nap	nap	nap	nap	neg	neg
via mobile phone	nap	nap	nap	nap	nap	nap
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Total	26.9	32.9	36.8	40.5	43.2	47.6

1) Includes items initiated by banks.

2) Includes government cheques but excludes postal drafts (see Table 7 for statistics).

3) Includes delayed debit cards (although these are negligible in volume terms).

4) Includes transfers for servicing public debt.

Table 10
Indicators of the use of various cashless payment instruments: value of transactions ¹⁾
(CYP millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques ²⁾	11,847.7	12,878.6	16,005.5	19,128.3	15,410.2	15,820.6
of which:						
face-to-face	11,847.7	12,878.6	16,005.5	19,128.3	15,395.9	15,820.6
via PC or other terminal	nap	nap	nap	nap	6.3	nap
telebanking	nap	nap	nap	nap	8.0	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by debit card	47.3	72.6	87.5	121.1	174.0	187.8
of which:						
face-to-face	47.3	72.6	87.5	121.1	174.0	186.5
via PC or other terminal	nap	nap	neg	neg	neg	1.3
telebanking	nap	nap	nap	nap	neg	nap
via mobile phone	nap	nap	nap	nap	neg	nap
Payments by credit card ³⁾	134.6	190.1	245.5	304.6	369.7	398.2
of which:						
face-to-face	134.6	190.1	245.5	304.6	369.7	394.5
via PC or other terminal	nap	nap	neg	neg	neg	3.7
telebanking	nap	nap	nap	nap	neg	nap
via mobile phone	nap	nap	nap	nap	neg	nap
Credit transfers ⁴⁾	nav	27,319.8	25,541.8	98,377.1	60,106.8	67,065.3
of which:						
face-to-face	nav	nav	nav	40,935.4	31,600.3	23,176.7
via PC or other terminal ⁵⁾	nav	nav	nav	57,441.7	28,505.7	43,888.0
telebanking	nap	nap	nap	nap	0.8	0.6
via mobile phone	nap	nap	nap	nap	neg	neg
Direct debits	150.9	250.4	317.5	391.8	412.6	622.1
of which:						
face-to-face	150.9	250.4	317.5	391.8	412.6	619.0
via PC or other terminal	nap	nap	neg	neg	neg	3.1
telebanking	nap	nap	nap	nap	neg	neg
via mobile phone	nap	nap	nap	nap	nap	nap
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Total	12,180.5	40,711.5	42,197.8	118,322.9	76,473.3	84,094.0

1) Includes items initiated by banks.

2) Includes government cheques but excludes postal drafts (see Table 8 for statistics).

3) Includes delayed debit cards.

4) Includes transfers for servicing public debt.

5) Includes transfers via SWIFT through the large-value credit transfer system (see Table 8 for statistics).

Table 11a

Instructions handled by trading platforms, clearing houses and securities settlement systems:

volume of transactions

(thousands)

	1997	1998	1999	2000	2001	2002
Trading platform						
Cyprus Stock Exchange	43	74	522	1,761	1,429	455
Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement system						
Cyprus Stock Exchange ¹⁾	43	74	522	1,761	1,429	455

1) Same data as under "Trading platform".

Table 11b

Instructions handled by trading platforms, clearing houses and securities settlement systems:

market value of transactions

(CYP millions)

	1997	1998	1999	2000	2001	2002
Trading platform						
Cyprus Stock Exchange	171	347	3,858	6,266	2,220	371
<i>of which:</i>						
shares	123	290	3,201	5,846	2,092	328
warrants	18	45	633	411	123	40
corporate bonds	13	7	16	5	1	2
government securities	17	5	8	4	4	1
Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement system						
Cyprus Stock Exchange ¹⁾	171	347	3,858	6,266	2,220	371

1) Same data as under "Trading platform".

Table 11c

Number of participants in trading platforms, clearing houses and securities settlement systems

	1997	1998	1999	2000	2001	2002
Trading system						
Cyprus Stock Exchange	20	20	23	46	42	32
<i>of which:</i>						
Central Bank of Cyprus	1	1	1	1	1	1
brokerage firms	19	19	22	45	41	31
Clearing systems	nap	nap	nap	nap	nap	nap
Securities settlement system						
Cyprus Stock Exchange ¹⁾	20	20	23	46	42	32

1) Same data as under "Trading platform".

Table 11d

Outstanding securities

(end of year)

	1997	1998	1999	2000	2001	2002
Cyprus Stock Exchange						
Value of securities listed (CYP millions)	1,422	2,000	14,676	8,296	5,578	4,374
<i>of which:</i>						
shares	1,091	1,340	12,741	7,116	3,998	2,723
warrants	22	34	728	217	84	56
corporate bonds	86	90	343	131	109	101
government securities	223	536	864	832	1,387	1,494
Number of securities listed	94	116	150	240	276	262
<i>of which:</i>						
shares	53	57	66	120	153	159
warrants	19	26	37	86	79	60
corporate bonds	13	13	16	13	5	8

<i>government securities</i>	9	20	31	21	39	35
Funds raised during the year (CYP millions)	324	466	447	1,045	747	766
<i>of which:</i>						
<i>new share issues</i>	10	17	29	471	122	16
<i>rights issues and partly-paid shares</i>	59	8	77	335	7	2
<i>conversion of warrants and bonds</i>	13	3	0	0	0	0
<i>corporate bonds</i>	30	0	72	0	7	0
<i>government securities</i>	212	438	269	239	611	748
Number of securities issued	17	37	59	89	63	47

Table 11e

Netting ratio in clearing systems

	1997	1998	1999	2000	2001	2002
Name of system						
Netting ratio for cash over year	nav	nav	nav	nav	0.76	0.72
Netting ratio for securities over year	nap	nap	nap	nap	nap	nap

Table 12

Participation in SWIFT by domestic institutions

	1997	1998	1999	2000	2001	2002
Members	7	7	9	9	9	9
<i>of which live</i>	7	7	9	9	9	9
Sub-members	15	16	15	18	17	19
<i>of which live</i>	15	15	15	17	17	19
Participants	1	1	1	1	1	1
<i>of which live</i>	1	1	1	0	0	1
Total users	23	24	25	28	27	29
<i>of which live</i>	23	23	25	26	26	29
<i>Memorandum items:</i>						
Total SWIFT users	6,372	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>						
<i>members</i>	3,070	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,621	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	681	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1997	1998	1999	2000	2001	2002
Total messages sent	1,190,421	1,367,906	1,447,863	1,614,489	1,803,969	2,017,146
<i>of which:</i>						
<i>category I</i>	535,721	643,370	704,503	820,312	946,152	1,055,748
<i>category II</i>	274,381	307,681	342,631	379,993	425,892	449,647
Total messages received	962,264	1,090,133	1,167,452	1,316,805	1,456,524	1,647,314
<i>of which:</i>						
<i>category I</i>	378,818	434,178	483,361	537,175	592,972	646,324
<i>category II</i>	93,647	108,713	145,750	165,262	176,682	188,209
Domestic traffic	97,089	110,077	165,653	162,339	179,599	277,476
<i>Memorandum item:</i>						
Global SWIFT traffic ¹⁾	812,117,556	941,235,088	1,076,490,597	1,298,668,103	1,533,906,047	1,817,443,994

1) In January 2000 changes were made to the reporting methodology, resulting in a 2% increase in global SWIFT traffic. The new methodology was applied retroactively to 1999.

Table 1
Basic statistical data

	1997	1998	1999	2000	2001	2002
Population ¹⁾ (thousands)	10,303.0	10,293.6	10,285.0	10,272.1	10,260.4	10,260.4
GDP (CZK billions)	1,679.9	1,839.1	1,902.3	1,984.8	2,157.8	2,254.7
GDP per capita (CZK)	163,049.6	178,664.4	184,958.7	193,222.4	210,303.7	219,747.7
Exchange rate vis-à-vis ECU/EUR						
<i>end of year</i>	38.60	35.24	36.10	35.05	31.96	31.19
<i>average</i>	35.88	36.10	36.88	35.60	34.07	30.82

1) Average for the year.

Table 2
Settlement media used by non-banks
(end of year, CZK billions)

	1997	1998	1999	2000	2001	2002
Banknotes and coins	119.3	127.2	157.9	171.8	180.4	197.8
Transferable deposits	325.8	306.2	321.9	370.7	453.1	494.5
Other	neg	neg	neg	neg	neg	neg
Narrow money supply (M1)	445.1	433.4	479.8	542.5	633.5	692.3
<i>Memorandum items:</i>						
Broad money supply (L)	1,241.8	1,329.9	1,443.9	1,546.3	1,712.4	1,696.0
Transferable deposits in foreign currencies	138.5	142.5	147.9	157.5	157.1	145.8
Outstanding value on e-money schemes	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>on card-based products</i>	nav	nav	nav	nav	nav	nav
<i>on network-based products</i>	nav	nav	nav	nav	nav	nav

Table 3
Settlement media used by banks
(end of year, CZK billions)

	1997	1998	1999	2000	2001	2002
Transferable balances held at central bank	89.8	86.6	26.3	26.6	30.3	28.4
<i>of which:</i>						
<i>required reserves</i>	101.3	84.5	25.5	27.0	28.4	28.5
<i>free reserves ¹⁾</i>	-11.5	2.1	0.8	-0.4	1.9	-0.1
Transferable balances held at other banks	403.4	410.9	428.2	410.9	472.1	294.7
<i>Memorandum item:</i>						
Institutions' borrowing from central bank	neg	neg	neg	1.5	0.5	neg

1) The permission deviation of the daily level of a bank's reserves from the set level allows negative figures.

Table 4
Banknotes and coins
(end of year, total value, CZK millions)

	1997	1998	1999	2000	2001	2002
Total banknotes issued	135,304	141,575	178,963	191,584	201,793	219,360
<i>of which:</i>						
<i>CZK 5,000</i>	39,372	42,633	57,120	61,103	58,958	69,689
<i>CZK 2,000</i>	10,839	11,857	18,102	20,370	22,708	28,985
<i>CZK 1,000</i>	61,886	63,307	75,153	88,365	98,416	98,972
<i>CZK 500</i>	12,803	13,591	17,955	9,689	9,225	9,076
<i>CZK 200</i>	4,728	4,786	4,984	6,667	7,095	7,212
<i>CZK 100</i>	3,787	3,723	3,964	3,629	3,594	3,594
<i>CZK 50</i>	1,401	1,436	1,522	1,625	1,674	1,716
<i>CZK 20</i>	488	242	163	136	123	115
Total coins issued	3,842	4,485	4,976	5,416	5,781	6,114
<i>of which:</i>						
<i>CZK 50</i>	127	122	138	158	168	194
<i>CZK 20</i>	996	1,481	1,756	1,978	2,140	2,296

CZK 10	998	1,014	1,067	1,144	1,200	1,249
CZK 5	534	557	587	621	656	678
CZK 2	314	340	364	392	419	439
CZK 1	201	212	229	244	258	271
CZK 0.5	88	97	107	116	127	135
CZK 0.2	70	80	90	98	107	108
CZK 0.1	41	46	51	56	63	70
commemorative coins	473	536	587	609	643	674
Total banknotes and coins issued	139,146	146,060	183,939	197,000	207,574	225,474
Banknotes and coins held by credit institutions	19,846	18,860	26,029	25,200	27,174	27,674
Banknotes and coins in circulation outside credit institutions	119,300	127,200	157,910	171,800	180,400	197,800

Table 5
Institutional framework
(end of 2002)

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (CZK billions)
Central bank	1	7	19	0	83.6
Credit institutions	37	1,722	7,155	396.9	410.9
Post Office	1	3,407	nav	nav	nav
Total	39	5,136	7,174	396.9	494.5
<i>of which:</i>					
virtual institutions	neg	neg	neg	neg	neg
Branches of foreign banks	9	19	28	nav	20.4
<i>of which:</i>					
EU-based	8	16	27	nav	20.0

Table 6
Payment card functions and accepting devices
(end of year)

	1997	1998	1999	2000	2001	2002
Cash function						
Cards with a cash function (thousands)	408.9	1,590.2	2,784.5	3,976.6	4,556.3	5,768.9
Number of networks	4	5	4	4	4	4
Number of ATMs with a cash dispensing function	1,322	1,463	1,499	1,602	1,923	2,254
<i>of which:</i>						
open access	nav	nav	nav	nav	1,919	2,226
limited access	nav	nav	nav	nav	4	28
Volume of transactions (millions)	49.4	59.1	70.0	85.8	100.7	106.8
<i>of which:</i>						
at ATMs with open access	nav	nav	nav	nav	100.7	106.1
at ATMs with limited access	nav	nav	nav	nav	nav	0.7
Value of transactions (CZK billions)	67.3	91.3	128.0	175.5	232.7	285.4
<i>of which:</i>						
at ATMs with open access	nav	nav	nav	nav	232.5	283.1
at ATMs with limited access	nav	nav	nav	nav	0.2	2.3
Number of ATMs with a giro transfer function	nav	nav	nav	nav	nav	nav
volume of transactions (millions)	nav	nav	nav	nav	nav	nav
value of transactions (CZK billions)	nav	nav	nav	nav	nav	nav
Debit function						
Cards with a debit function (thousands)	1,478.7	1,881.8	2,790.0	3,960.4	4,516.3	5,658.3
<i>of which:</i>						
retailer cards (thousands)	nav	nav	nav	nav	nav	455.6
Number of networks	2	4	nav	5	5	3
Number of terminals	2,985	6,628	8,962	13,187	17,931	25,358

Volume of transactions (millions)	1.4	2.8	6.0	14.5	26.6	41.0
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>13.6</i>
Value of transactions (CZK billions)	3.9	8.4	14.0	27.0	44.7	52.5
<i>of which:</i>						
<i>transactions with retailer cards (CZK billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>17.7</i>
Credit function						
Cards with a credit function (thousands)	1.7	3.6	5.6	38.7	53.2	113.2
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of terminals	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Volume of transactions (millions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (CZK billions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>of which:</i>						
<i>transactions with retailer cards (CZK billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Electronic money function						
Cards with an e-money function (thousands)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of accepting terminals	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of purchase transactions (millions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of purchase transactions (CZK billions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of loading transactions (millions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of loading terminals	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of money loaded (CZK billions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Float (CZK billions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Delayed debit cards (charge cards)						
Cards with a delayed debit function (thousands)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of terminals	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Volume of transactions (millions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (CZK billions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>Memorandum item:</i>						
Total number of cards in circulation (thousands)	1,500.9	1,913.4	2,834.7	4,007.0	4,569.9	5,769.4
<i>of which:</i>						
<i>cards with a combined debit, cash and e-money function (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>cards with a cheque guarantee function (thousands)</i>	<i>20.5</i>	<i>28.0</i>	<i>39.1</i>	<i>7.9</i>	<i>0.4</i>	<i>nav</i>

Table 7

Payment instructions handled by selected interbank funds transfer systems:

volume of transactions

(millions)

	1997	1998	1999	2000	2001	2002
CERTIS	171.7	183.6	202.6	226.4	259.6	289.5
Concentration ratio	nav	nav	nav	nav	nav	nav

Table 8

Payment instructions handled by selected interbank funds transfer systems:

value of transactions

(CZK billions)

	1997	1998	1999	2000	2001	2002
CERTIS	48,897	78,084	93,046	96,103	103,349	109,576
Concentration ratio	nav	nav	nav	nav	nav	nav

Table 9

Indicators of the use of various cashless payment instruments: volume of transactions

(millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	13.9	6.3	2.7	2.5	2.0	0.3
<i>of which:</i>						
<i>face-to-face</i>	13.9	6.3	2.7	2.5	2.0	0.3
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Payments by debit card	1.4	2.8	6.0	14.5	26.6	41.0
<i>of which:</i>						
<i>face-to-face</i>	1.4	2.8	6.0	14.5	26.6	41.0
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Payments by credit card	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Credit transfers	382.2	398.6	415.2	423.1	691.2	503.3
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	629.2	404.9
<i>via PC or other terminal</i>	nav	nav	nav	nav	14.9	54.8
<i>telebanking</i>	nav	nav	nav	nav	46.3	41.0
<i>via mobile phone</i>	nav	nav	nav	nav	0.8	2.6
Direct debits	17.6	22.4	79.1	124.2	200.3	209.7
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	193.9	208.6
<i>via PC or other terminal</i>	nav	nav	nav	nav	0.8	0.9
<i>telebanking</i>	nav	nav	nav	nav	2.4	0.2
<i>via mobile phone</i>	nav	nav	nav	nav	3.2	nav
Card-based e-money	nav	nav	nav	nav	nav	nav
Network-based e-money	nav	nav	nav	nav	nav	nav
Total	415.1	430.1	503.0	564.3	920.1	754.3

Table 10
Indicators of the use of various cashless payment instruments: value of transactions
(CZK billions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	735.0	543.9	219.2	231.3	194.0	13.9
<i>of which:</i>						
<i>face-to-face</i>	735.0	543.9	219.2	231.3	194.0	13.9
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap	nap
<i>telebanking</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Payments by debit card	3.9	8.4	14.0	27.0	44.7	52.5
<i>of which:</i>						
<i>face-to-face</i>	3.9	8.4	14.0	27.0	44.7	52.5
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap	nap
<i>telebanking</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Payments by credit card	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Credit transfers	23,863.3	45,330.8	37,184.3	47,724.4	81,918.8	64,987.9
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	64,839.7	46,459.8
<i>via PC or other terminal</i>	nav	nav	nav	nav	4,956.1	3,688.0
<i>telebanking</i>	nav	nav	nav	nav	12,120.5	14,831.5
<i>via mobile phone</i>	nav	nav	nav	nav	2.5	8.6
Direct debits	385.7	372.2	267.7	465.4	2,476.0	2,004.0
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	2,414.7	1,892.0
<i>via PC or other terminal</i>	nav	nav	nav	nav	1.3	64.2
<i>telebanking</i>	nav	nav	nav	nav	60.0	47.8
<i>via mobile phone</i>	nav	nav	nav	nav	0.0	0.0
Card-based e-money	nav	nav	nav	nav	nav	nav
Network-based e-money	nav	nav	nav	nav	nav	nav
Total	24,987.90	46,255.30	37,685.20	48,448.10	84,633.50	67,058.30

Table 11a
Instructions handled by securities settlement systems ¹⁾:
volume of transactions
(millions)

	1997	1998	1999	2000	2001	2002
RM-SYSTEM	373.6	469.2	367	158	88	39
UNIVYC	1.1	0.533	0.341	0.317	0.287	0.248
TKD (SKD)	0.019	0.026	0.025	0.027	0.022	0.016

1) The system does not provide a breakdown of the volume of transactions by type of security.

Table 11b
Instructions handled by securities settlement systems ¹⁾:
market value of transactions
(CZK billions)

	1997	1998	1999	2000	2001	2002
RM-SYSTEM	158.7	214.6	181	61	19.4	20.4
UNIVYC	901.3	1,404	1,758	2,245	4,361	3,638
TKD (SKD)	7,735.0	12,271.6	16,161.0	23,258.0	22,865.0	32,418.0

1) The system does not provide a breakdown of the value of transactions by type of security.

Table 11c
Number of participants in securities settlement systems

	1997	1998	1999	2000	2001	2002
RM-SYSTEM						
Banks	12	17	13	9	6	6
Stockbrokers	120	133	81	68	61	32
Other (Treasury bodies)	93	102	66	51	48	11
UNIVYC						
Banks	21	26	22	21	13	13
Stockbrokers	58	51	38	30	20	19
TKD						
Banks	37	34	30	40	42	48
Securities houses	55	22	17	27	31	21
Insurance companies	32	32	27	20	23	25
Foreign central banks	1	1	1	1	1	1
Other (Treasury bodies)	113	146	139	97	91	78

Table 11d
Outstanding securities
(end of year)

	1997	1998	1999	2000	2001	2002
Value of securities registered (CZK billions)						
SCP	1,097	1,141	1,184	1,217	1,313	1,399
TKD (SKD)	231	789	1,174	1,283	1,433	2,132
Volume of securities registered (millions)						
SCP	nav	nav	2,604	2,747	2,986	3,655
TKD	nav	nav	nav	0.6	0.6	0.9

Table 11e
Netting ratio in clearing systems

	1997	1998	1999	2000	2001	2002
Name of system						
Netting ratio for cash over year	nav	nav	nav	nav	nav	nav
Netting ratio for securities over year	nav	nav	nav	nav	nav	nav

Table 12
Participation in SWIFT by domestic institutions

	1997	1998	1999	2000	2001	2002
Members	19	17	12	10	9	9
<i>of which live</i>	19	16	12	10	9	9
Sub-members	13	13	12	12	13	12
<i>of which live</i>	13	13	12	12	13	12
Participants	5	5	7	7	7	7
<i>of which live</i>	4	3	6	6	6	6
Total users	37	35	31	29	29	28
<i>of which live</i>	36	32	30	28	28	27
<i>Memorandum items:</i>						
Total SWIFT users	6,372	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>						
<i>members</i>	3,070	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,621	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	681	938	1,936	1,949	2,049	2,254

Table 13
SWIFT message flows to/from domestic users

	1997	1998	1999	2000	2001	2002
Total messages sent	3,464,523	4,131,189	4,864,520	5,215,151	5,164,273	5,269,603
<i>of which:</i>						
<i>category I</i>	1,664,430	1,811,632	1,994,717	2,170,866	2,217,716	2,298,247
<i>category II</i>	808,240	955,048	1,017,645	1,105,586	1,085,525	1,017,908
Total messages received	3,272,438	3,691,956	3,866,700	4,121,021	4,242,245	4,173,149
<i>of which:</i>						
<i>category I</i>	1,526,589	1,674,804	1,797,941	2,008,208	2,165,171	2,239,799
<i>category II</i>	383,004	497,443	528,322	482,294	473,043	478,069
Domestic traffic	413,627	110,077	165,653	162,339	179,599	555,506
<i>Memorandum item:</i>						
Global SWIFT traffic ¹⁾	812,117,556	941,235,088	1,076,490,597	1,298,668,103	1,533,906,047	1,817,443,994

1) In January 2000 changes were made to the reporting methodology, resulting in a 2% increase in global SWIFT traffic. The new methodology was applied retroactively to 1999.

Table 1

Basic statistical data

	1997	1998	1999	2000	2001	2002
Population ¹⁾ (thousands)	1,406.0	1,393.0	1,379.0	1,372.0	1,367.0	1,362.9
GDP (EEK billions, current prices)	64.0	73.5	76.3	87.2	96.6	105.3
GDP per capita (EEK)	45,551.0	52,791.0	55,349.6	63,582.7	70,644.3	77,290.6
Exchange rate vis-à-vis ECU/EUR end of year	15.81	15.64	15.65	15.65	15.65	15.65
average	15.73	15.75	15.65	15.65	15.65	15.65

1) Average for the year.

Table 2

Settlement media used by non-banks

(end of year, EEK billions)

	1997	1998	1999	2000	2001	2002
Banknotes and coins	4.59	4.54	5.71	6.20	6.95	6.99
Transferable deposits ¹⁾	11.35	10.31	13.61	17.20	21.79	24.44
Narrow money supply (M1) ²⁾	15.94	14.84	19.32	23.40	28.74	31.43
Memorandum items:						
Broad money supply (M2) ³⁾	20.47	21.33	26.34	32.95	40.78	45.32
Transferable deposits in foreign currencies	1.94	1.73	2.01	2.74	3.82	4.21
Outstanding value on e-money schemes	nap	nap	nap	nap	nap	nap
of which:						
on card-based products	nap	nap	nap	nap	nap	nap
on network-based products	nap	nap	nap	nap	nap	nap

1) Includes Estonian kroon and foreign currency demand deposits (excluding deposits of non-residents and central government).

2) In January 2002, the Bank of Estonia changed the definition of monetary aggregates. The earlier time series were recalculated according to the new definitions.

3) M2=M1+time, savings and other deposits in Estonian krooni and foreign currency held by residents with credit institutions, loan and savings co-operatives and the Bank of Estonia.

Table 3

Settlement media used by banks

(end of year, EEK billions)

	1997	1998	1999	2000	2001	2002
Transferable balances held at central bank	3.04	3.66	4.82	5.71	3.78	3.56
of which:						
required reserves	1.83	2.59	2.36	2.21	1.31	1.53
free reserves	1.20	1.07	2.47	3.51	2.48	2.03
Transferable balances held at other banks	1.65	2.09	1.51	2.25	2.43	4.64
Memorandum item:						
Institutions' borrowing from central bank	nap	nap	nap	nap	nap	nap

Table 4

Banknotes and coins

(end of year, total value, EEK billions)

	1997	1998	1999	2000	2001	2002
Total banknotes issued	5.38	5.35	6.59	7.21	7.99	8.02
of which:						
EEK 500	3.84	3.97	5.19	5.82	6.58	6.65
EEK 100	1.21	1.06	1.08	1.06	1.07	1.02
EEK 50	0.09	0.07	0.06	0.06	0.05	0.05
EEK 25	0.13	0.13	0.14	0.15	0.16	0.17
EEK 10	0.07	0.06	0.06	0.06	0.06	0.07
EEK 5	0.03	0.03	0.03	0.03	0.03	0.04
EEK 2	0.01	0.01	0.02	0.02	0.02	0.02

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<i>EEK 1</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>neg</i>
Total coins issued	0.06	0.04	0.06	0.07	0.08	0.08
<i>of which:</i>						
<i>EEK 5</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>
<i>EEK 1</i>	<i>0.02</i>	<i>neg</i>	<i>0.01</i>	<i>0.03</i>	<i>0.03</i>	<i>0.04</i>
<i>EEK 0.5</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>
<i>EEK 0.2</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>
<i>EEK 0.1</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>	<i>0.01</i>
<i>EEK 0.05</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
<i>Commemorative coins</i>						
<i>EEK 500</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
<i>EEK 100</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
<i>EEK 10</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
<i>EEK 1</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
<i>EEK 15.65</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
Total banknotes and coins issued	5.44	5.39	6.65	7.28	8.07	8.11
Banknotes and coins held by credit institutions	0.85	0.85	0.94	1.08	1.11	1.12
Banknotes and coins in circulation outside credit institutions	4.59	4.54	5.71	6.20	6.95	6.99

Table 5

Institutional framework*(end of 2002)*

Categories	Number of institutions	Number of branches	Number of accounts	Number of internet-linked accounts	Value of accounts (EEK billions)
Central bank	1	1	27	nap	3.62
Credit institutions	6	188	nav	nav	29.01
Loan and savings co-operatives	11	nav	nav	nav	0.01
Post Office	1	550	nap	nap	nap
Total ¹⁾	19	739	nav	nap	32.64
<i>of which:</i>					
<i>virtual institutions</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Branches of foreign banks	1	10	nav	nav	1.35
<i>of which:</i>					
<i>EU-based</i>	<i>1</i>	<i>10</i>	<i>nav</i>	<i>nav</i>	<i>1.35</i>

1) The total under "Value of accounts" differs from that under "Transferable deposits" in Table 2 because the central bank figures and non-resident and central government demand deposits are not included in the figures in Table 2.

Table 6

Payment card functions and accepting devices*(end of year)*

	1997	1998	1999	2000	2001	2002
Cash function						
Cards with a cash function (thousands)	618	698	771	858	987	1,120
Number of networks	2	1	1	1	1	1
Number of ATMs with a cash dispensing function	394	433	530	564	600	638
<i>of which:</i>						
<i>open access</i>	<i>336</i>	<i>433</i>	<i>530</i>	<i>564</i>	<i>600</i>	<i>638</i>
<i>limited access</i>	<i>58</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Volume of transactions (millions)	21.25	19.70	28.92	37.15	43.00	46.59
<i>of which:</i>						
<i>at ATMs with open access</i>	<i>nav</i>	<i>19.7</i>	<i>28.92</i>	<i>37.15</i>	<i>43.00</i>	<i>46.59</i>
<i>at ATMs with limited access</i>	<i>nav</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (EEK billions)	9.07	14.55	21.57	28.73	34.26	37.03
<i>of which:</i>						
<i>at ATMs with open access</i>	<i>nav</i>	<i>14.55</i>	<i>21.57</i>	<i>28.73</i>	<i>34.26</i>	<i>37.03</i>
<i>at ATMs with limited access</i>	<i>nav</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

Number of ATMs with a giro transfer function	148	183	388	427	470	467
<i>volume of transactions (millions)</i>	<i>neg</i>	<i>0.51</i>	<i>1.13</i>	<i>2.26</i>	<i>3.48</i>	<i>4.47</i>
<i>value of transactions (EEK billions)</i>	<i>0.10</i>	<i>0.50</i>	<i>1.31</i>	<i>2.25</i>	<i>2.92</i>	<i>3.44</i>

Debit function

Cards with a debit function (thousands)	603	678	749	815	877	964
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	2	1	1	2	2	2
Number of terminals	2,184	2,586	3,267	4,084	5,260	7,353
Volume of transactions (millions) ¹⁾	1.51	4.89	8.81	14.02	23.38	34.48
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (EEK billions) ²⁾	0.49	2.23	3.87	5.91	8.82	11.33
<i>of which:</i>						
<i>transactions with retailer cards (EEK billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

Credit function

Cards with a credit function (thousands)	16	19	21	43	110	155
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	2	1	1	2	2	2
Number of terminals	2,184	2,586	3,267	4,084	5,260	7,353
Volume of transactions (millions)	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (EEK billions)	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>transactions with retailer cards (EEK billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

Electronic money function

Cards with an e-money function (thousands)	nav	nav	nav	nav	nav	nav
Number of accepting terminals	nav	nav	nav	nav	nav	nav
Number of networks	nav	nav	nav	nav	nav	nav
Number of purchase transactions (millions)	nav	nav	nav	nav	nav	nav
Value of purchase transactions (EEK billions)	nav	nav	nav	nav	nav	nav
Number of loading transactions (millions)	nav	nav	nav	nav	nav	nav
Number of loading terminals	nav	nav	nav	nav	nav	nav
Value of money loaded (EEK billions)	nav	nav	nav	nav	nav	nav
Float (EEK billions)	nav	nav	nav	nav	nav	nav

Delayed debit cards (charge cards)

Cards with a delayed debit function (thousands)	nav	nav	nav	nav	nav	nav
Number of terminals	nav	nav	nav	nav	nav	nav
Volume of transactions (millions)	nav	nav	nav	nav	nav	nav
Value of transactions (EEK billions)	nav	nav	nav	nav	nav	nav

Memorandum item:

Total number of cards in circulation (thousands)	618	698	771	858	987	1120
<i>of which:</i>						
<i>cards with a combined debit and cash function (thousands)</i>	<i>603</i>	<i>678</i>	<i>749</i>	<i>815</i>	<i>877</i>	<i>964</i>
<i>cards with a cheque guarantee function (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

1) Transactions by debit and credit cards.

2) Transactions by debit and credit cards.

Table 7

**Payment instructions handled by selected interbank funds transfer systems:
volume of transactions**
(millions)

	1997	1998	1999	2000	2001	2002
Estonian RTGS ¹⁾	nap	nap	nap	nap	nap	0.02
Estonian DNS ²⁾	nap	nap	nap	nap	nap	13.67
EPNAS ³⁾	10.90	11.10	10.34	10.92	12.70	0.68
Credit transfers	10.89	11.10	10.33	10.92	12.70	0.68
Cheques	neg	neg	neg	neg	neg	neg
Concentration ratio						
Estonian RTGS	nap	nap	nap	nap	nap	80.5%
Estonian DNS	nap	nap	nap	nap	nap	99.3%
EPNAS	nav	90.0%	99.0%	99.0%	99.2%	99.5%

1) The estonian RTGS system was launched on 21 January 2002.

2) The estonian DNS system was launched on 21 January 2002.

3) The settlement system EPNAS was operational until the launch of the RTGS and DNS systems on 21 January 2002.

Table 8

**Payment instructions handled by selected interbank funds transfer systems:
value of transactions**
(EEK billions)

	1997	1998	1999	2000	2001	2002
Estonian RTGS ¹⁾	nap	nap	nap	nap	nap	502.91
Estonian DNS ²⁾	nap	nap	nap	nap	nap	145.44
EPNAS ³⁾	323.9	331.2	235.0	279.2	322.2	15.90
Credit transfers	323.8	331.2	235.0	279.2	322.2	15.90
Cheques	0.1	neg	neg	neg	neg	neg
Concentration ratio						
Estonian RTGS	nap	nap	nap	nap	nap	93.5%
Estonian DNS	nap	nap	nap	nap	nap	98.4%
EPNAS	nav	83.5%	98.1%	97.9%	97.8%	98.5%

1) The estonian RTGS system was launched on 21 January 2002.

2) The estonian DNS system was launched on 21 January 2002.

3) The settlement system EPNAS was operational until the launch of the RTGS and DNS systems on 21 January 2002.

Table 9

Indicators of the use of various cashless payment instruments: volume of transactions
(millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	nav	0.02	0.01	0.02	0.02	0.02
<i>of which:</i>						
<i>face-to-face</i>	nav	0.02	0.01	0.02	0.02	0.02
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap	nap
<i>teleshopping</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Payments by debit/credit cards ¹⁾	1.51	4.89	8.81	14.02	23.38	34.48
<i>of which:</i>						
<i>face-to-face</i>	nav	4.37	7.67	11.76	19.90	30.01
<i>via PC or other terminal</i>	nav	0.51	1.13	2.26	3.48	4.47
<i>teleshopping</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Credit transfers ²⁾	nav	23.94	26.28	31.27	38.79	44.68
<i>of which:</i>						
<i>face-to-face</i>	nav	10.11	7.12	5.24	4.51	4.30
<i>via PC or other terminal</i>	nav	1.16	3.91	7.66	13.12	18.55
<i>teleshopping</i>	nav	11.68	14.85	18.08	20.42	21.50
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav

Direct debits	nav	0.10	0.85	2.78	4.94	6.59
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>teleshopping</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Other	nap	0.00	nap	nap	0.01	0.04
Total	nav	28.95	35.95	48.10	67.14	85.81

1) Payments by debit and credit cards.

2) Includes items initiated by banks (figures in millions) : 0.99 in 1998, 0.39 in 1999, 0.28 in 2000, 0.74 in 2001, 0.33 in 2002.

Table 10

Indicators of the use of various cashless payment instruments: value of transactions

(EEK billions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	nav	0.47	0.19	0.26	0.25	0.27
<i>of which:</i>						
<i>face-to-face</i>	nav	0.47	0.19	0.26	0.25	0.27
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap	nap
<i>teleshopping</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Payments by debit/credit cards ¹⁾	0.49	2.23	3.87	5.91	8.82	11.33
<i>of which:</i>						
<i>face-to-face</i>	nav	1.73	2.56	3.66	5.89	7.90
<i>via PC or other terminal</i>	nav	0.50	1.31	2.25	2.92	3.44
<i>teleshopping</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Credit transfers ²⁾	nav	927.72	1,046.03	1,698.32	1,924.80	2,055.01
<i>of which:</i>						
<i>face-to-face</i>	nav	232.47	137.56	179.15	117.98	127.24
<i>via PC or other terminal</i>	nav	6.37	23.13	44.62	93.27	137.56
<i>teleshopping</i>	nav	317.36	300.76	387.25	444.76	461.19
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Direct debits	nav	0.97	0.23	0.68	1.31	2.11
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>teleshopping</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Other ³⁾	nav	21.70	neg	0.36	11.04	7.53
Total	nav	953.09	1,050.32	1,705.53	1,946.22	2,076.26

1) Payments by debit and credit cards.

2) Includes items initiated by banks (figures in EEK billions): 371.52 in 1998, 584.58 in 1999, 1,087.3 in 2000, 1,268.78 in 2001, 1,329.02 in 2002.

3) Includes items initiated by banks (figures in EEK billions): 21.7 in 1998, neg in 1999, 0.4 in 2000, neg in 2001.

Table 11a

Instructions handled by trading platforms, clearing houses and securities settlement systems:

volume of transactions

(thousands)

	1997	1998	1999	2000	2001	2002
Trading platform						
TSE	125.24	94.17	44.66	36.69	30.08	21.88
Government securities	1.78	1.89	3.50	3.03	1.88	1.18
Bonds and notes	1.24	1.34	1.75	1.61	0.78	0.12
Shares	121.04	90.61	39.41	32.06	27.42	20.58
Fund units	0.76	0.33	nap	nap	nap	nap

Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement system						
ECSD	178.27	145.10	77.89	76.69	61.52	62.63
Government securities	10.74	14.98	17.58	21.04	17.11	12.21
Bonds and notes	2.49	6.49	3.77	3.11	2.11	1.08
Shares	149.22	115.48	54.34	48.06	36.39	32.81
Fund units	15.17	8.14	2.06	4.45	5.92	16.53

Table 11b

**Instructions handled by trading platforms, clearing houses and securities settlement systems:
market value of transactions**

(EEK billions)

	1997	1998	1999	2000	2001	2002
Trading platform						
TSE	21.84	13.35	4.47	5.54	4.11	4.17
Government securities	0.45	0.16	0.22	0.35	0.18	0.09
Bonds and notes	0.01	0.02	0.10	0.08	0.07	0.03
Shares	21.33	13.15	4.16	5.10	3.87	4.05
Fund units	0.04	0.02	nap	nap	nap	nap
Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement system						
ECSD	34.14	33.78	17.28	14.74	14.10	23.14
Government securities	0.49	0.16	0.23	0.42	0.19	0.10
Bonds and notes	7.05	16.67	9.07	3.21	3.45	4.47
Shares	23.36	14.45	7.23	9.75	8.02	14.22
Fund units	3.23	2.50	0.72	1.36	2.44	4.34

Table 11c

Number of participants in trading platforms, clearing houses and securities settlement systems

	1997	1998	1999	2000	2001	2002
Trading platform						
TSE	25	20	12	11	9	13
Banks	10	6	5	5	5	5
Stockbrokers	15	14	7	6	4	8
Others	nap	nap	nap	nap	nap	nap
Clearing systems	nap	nap	nap	nap	nap	nap
Securities settlement system						
ECSD	12	6	6	7	8	11
Banks	10	4	4	5	5	7
Stockbrokers	nap	nap	nap	nap	1	1
Others	2	2	2	2	2	3

Table 11d

Outstanding securities

(end of year)

	1997	1998	1999	2000	2001	2002
Estonian CSD						
Value of securities issued (EEK millions)	1,182.41	1,510.89	388.71	48.53	0.85	5.05
Number of securities issued	19	2	6	1	1	1
Value of securities registered (EEK millions)	22,415.40	15,581.80	30,648.26	37,326.22	34,254.29	77,486.38
Number of securities registered	472	710	309	254	824	4,642

Table 11e

Netting ratio in clearing systems

	1997	1998	1999	2000	2001	2002
Name of system						
Netting ratio for cash over year	nap	nap	nap	nap	nap	nap
Netting ratio for securities over year	nap	nap	nap	nap	nap	nap

Table 12
Participation in SWIFT by domestic institutions

	1997	1998	1999	2000	2001	2002
Members	11	6	3	3	3	3
<i>of which live</i>	10	6	3	3	3	3
Sub-members	2	1	1	1	1	1
<i>of which live</i>	1	1	1	1	1	1
Participants	0	0	2	4	4	4
<i>of which live</i>	0	0	2	4	4	4
Total users	13	7	6	8	8	8
<i>of which live</i>	11	7	6	8	8	8
<i>Memorandum items:</i>						
Total SWIFT users	6,372	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>						
<i>members</i>	3,070	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,621	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	681	938	1,936	1,949	2,049	2,254

Table 13
SWIFT message flows to/from domestic users

	1997	1998	1999	2000	2001	2002
Total messages sent	640,650	693,683	676,626	816,750	935,825	946,692
<i>of which:</i>						
<i>category I</i>	362,859	383,676	385,591	450,277	511,647	517,960
<i>category II</i>	150,578	159,120	155,551	188,645	217,005	190,158
Total messages received	594,812	641,690	614,466	776,303	904,129	943,467
<i>of which:</i>						
<i>category I</i>	277,956	314,722	333,904	425,160	479,174	483,874
<i>category II</i>	29,231	39,521	42,441	51,541	46,097	40,132
Domestic traffic	27,752	21,539	19,746	15,797	22,125	62,340
<i>Memorandum item:</i>						
Global SWIFT traffic ¹⁾	812,117,556	941,235,088	1,076,490,597	1,298,668,103	1,533,906,047	1,817,443,994

1) In January 2000 changes were made to the reporting methodology, resulting in a 2% increase in global SWIFT traffic. The new methodology was applied retroactively to 1999.

Table 1

Basic statistical data

	1997	1998	1999	2000	2001	2002
Population ¹⁾ (thousands)	10,290.5	10,266.6	10,237.5	10,211.0	10,187.6	10,309.9
GDP (HUF billions)	8,540.7	10,087.4	11,393.5	13,150.8	14,823.9	16,329.8
GDP per capita (HUF)	829,956.7	982,548.7	1,112,918.1	1,287,901.9	1,455,095.6	1,583,904.9
Exchange rate vis-à-vis ECU/EUR						
<i>end of year</i>	223.95	254.50	254.70	265.00	245.18	236.07
<i>average</i>	211.54	240.32	252.77	260.04	256.59	242.89

1) Average for the year.

Table 2

Settlement media used by non-banks

(end of year, HUF billions)

	1997	1998	1999	2000	2001	2002
Banknotes and coins ¹⁾	562.6	668.9	855.3	883.9	1,037.9	1,181.8
Transferable deposits ²⁾	965.8	1,122.2	1,280.3	1,494.4	1,733.6	2,121.1
Narrow money supply (M1) ³⁾	1,528.4	1,791.1	2,135.6	2,378.3	2,771.5	3,302.9
<i>Memorandum items:</i>						
Broad money supply ⁴⁾	4,014.6	4,625.0	5,370.5	6,052.2	7,092.2	8,422.3
Transferable deposits in foreign currencies	181.9	196.8	222.5	272.6	337.6	349.4
Outstanding value on e-money schemes	nap	nap	nap	nap	nap	nap
<i>of which:</i>						
<i>on card-based products</i>	nap	nap	nap	nap	nap	nap
<i>on network-based products</i>	nap	nap	nap	nap	nap	nap

1) Includes the value of banknotes and coins that are being withdrawn from circulation and the value of commemorative banknotes and coins.

2) Includes overnight deposits because transferable deposits and other sight deposits are not available separately.

3) M1 consists of banknotes and coins outside monetary institutions plus sight (transferable and other sight) HUF deposits.

4) M3 consists of M1 (narrow money) and sight and time foreign currency deposits plus sale and repurchase agreements and debt securities issued by other monetary financial institutions.

Table 3

Settlement media used by banks

(end of year, HUF billions)

	1997	1998	1999	2000	2001	2002
Transferable balances held at central bank ¹⁾	401.6	457.1	527.8	580.5	375.2	341.9
<i>of which:</i>						
<i>required reserves</i>	397.8	452.0	521.0	578.4	370.8	338.9
<i>free reserves</i>	3.8	5.1	6.8	2.1	4.4	2.9
Transferable balances held at other banks ¹⁾	25.9	31.2	37.5	42.8	30.2	29.4
<i>Memorandum item:</i>						
Institutions' borrowing from central bank	0.8	22.0	2.5	2.0	7.4	14.2

1) Average balances for December.

Table 4

Banknotes and coins

(end of year, total value, HUF billions)

	1997	1998	1999	2000	2001	2002
Total banknotes issued	600.5	717.1	931.1	940.8	1,105.8	1,245.4
of which:						
HUF 20,000	nap	nap	nap	nap	185.6	303.1
HUF 10,000	212.3	437.5	674.6	709.0	685.1	721.2
HUF 5,000 (old type)	311.4	189.5	nap	nap	nap	nap
HUF 5,000	nap	nap	170.2	146.7	146.4	130.5
HUF 2,000	nap	21.5	27.3	27.7	29.5	31.2
HUF 1,000 (old type)	62.8	17.6	nap	nap	nap	nap
HUF 1,000	nap	35.0	45.3	42.4	42.8	42.1
HUF 500 (old type)	11.2	7.3	nap	nap	nap	nap
HUF 500	nap	3.3	9.1	9.5	10.2	10.4
HUF 200	nap	3.4	4.6	5.5	6.2	6.9
HUF 100 (old type)	2.8	2.0	nap	nap	nap	nap
HUF 50 (old type)	nap	nap	nap	nap	nap	nap
Total coins issued	19.5	17.7	17.9	19.6	21.1	23.0
of which:						
HUF 200	2.23	nap	nap	nap	nap	nap
HUF 100	10.55	10.32	9.94	10.75	11.50	12.39
HUF 50	1.96	2.17	2.46	2.76	3.04	3.36
HUF 20	1.96	2.10	2.18	2.34	2.51	2.73
HUF 10	1.11	1.22	1.33	1.43	1.54	1.66
HUF 5	0.60	0.69	0.77	0.87	0.95	1.05
HUF 2	0.59	0.69	0.79	0.89	1.00	1.12
HUF 1	0.33	0.40	0.46	0.53	0.60	0.7
HUF 0.50	0.15	0.15	nap	nap	nap	nap
Total banknotes and coins issued	620.00	734.80	949.00	960.40	1,126.90	1,268.40
Banknotes and coins held by credit institutions	58.7	69.0	109.7	90.2	100.5	97.8
Banknotes and coins in circulation outside credit institutions ¹⁾	561.3	665.8	839.3	870.2	1,026.4	1170.6

1) Does not include the value of banknotes and coins that are being withdrawn from circulation or the value of commemorative banknotes and coins.
The total values outstanding of these items at the end of each year were the following: 1997: HUF 1.3 billion; 1998: HUF 3.1 billion;
1999: HUF 16 billion; 2000: HUF 13,7 billion; 2001: HUF 11.5 billion; 2002: HUF 11,2 billion

Table 5

Institutional framework

(end of 2002)

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts (thousands)	Value of accounts (HUF billions)
Central bank	1	5	0.013	nap	neg
Credit institutions	227	2,930	7,158.6	280.5	2,470.5
Post Office	1	3,269	nap	nap	nap
Total ¹⁾	229	6,204	7,148.6	280.5	2,470.5
of which:					
virtual institutions	nap	nap	nap	nap	nap
Branches of foreign banks	0	0	0	0	0
of which:					
EU-based	0	0	0	0	0

1) The value of accounts is equal to the sum of transferable deposits and transferable deposits in foreign currencies in Table 2.

Table 6
Payment card functions and accepting devices
(end of year)

	1997	1998	1999	2000	2001	2002
Cash function						
Cards with a cash function (thousands)	2,409	2,826	3,732	4,441	5,000	5,505
Number of networks	4	6	6	6	6	6
Number of ATMs with a cash dispensing function	1,553	2,070	2,358	2,435	2,544	2,742
<i>of which:</i>						
<i>open access</i>	1,553	2,070	2,358	2,435	2,544	2,742
<i>limited access</i>	0	0	0	0	0	0
Number of POS terminals with a cash dispensing function only (at bank branches and post offices)	1,706	6,794	7,764	7,875	8,068	8,969
Volume of transactions at ATMs (millions) ¹⁾	nav	nav	nav	76.4	85.8	95.7
Volume of transactions at POS terminals with a cash dispensing function (millions) ¹⁾	nav	nav	nav	6.2	6.5	7
Total volume of cash withdrawals (millions)	39.5	60.2	74.8	82.6	92.3	102.7
<i>of which:</i>						
<i>at ATMs with open access</i>	nav	nav	nav	76.4	85.8	95.7
<i>at ATMs with limited access</i>	0	0	0	0	0	0
Value of transactions at ATMs (HUF billions)	nav	nav	nav	1,389.5	1,760.9	2,202.2
Value of transactions at POS terminals with a cash dispensing function (HUF billions)	nav	nav	nav	671.2	743.9	905
Total value of cash withdrawals (HUF billions)	413.0	1,000.0	1,669.0	2,060.7	2,504.8	3,107.2
<i>of which:</i>						
<i>at ATMs with open access</i>	nav	nav	nav	1,389.5	1,760.9	2,202.2
<i>at ATMs with limited access</i>	0	0	0	0	0	0
Number of ATMs with a giro transfer function	nap	nap	nap	nav	nav	nav
<i>volume of transactions (millions)</i>	nap	nap	nap	nav	nav	nav
<i>value of transactions (HUF billions)</i>	nap	nap	nap	nav	nav	nav
Debit function						
Cards with a debit function (thousands)	2,198	3,131	3,982	4,475	5,026	5,424
<i>of which:</i>						
<i>retailer cards (thousands)</i>	146.0	199.0	286.8	282.8	393.5	399
Number of networks	6	6	6	6	6	6
Number of terminals	11,898	15,201	16,740	17,502	18,734	23,109
Volume of transactions (millions)	54.2	74.7	96.3	112.4	127.5	148.4
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	5.1	7.3	10.2	11.2	11.3	12.1
Value of transactions (HUF billions)	667.6	1,111.3	1,777.5	2,346.8	2,804.3	3,461.0
<i>of which:</i>						
<i>transactions with retailer cards (HUF billions)</i>	38.3	64.5	102.2	152.2	146.3	150.5
Credit function						
Cards with a credit function (thousands) ²⁾	neg	neg	141.6	269.9	447.4	642.0
<i>of which:</i>						
<i>retailer cards (thousands)</i>	nap	nap	nap	nap	nap	nap
Number of networks	6	6	6	6	6	6

Number of terminals	11,898	15,201	16,740	17,502	18,734	23,109
Volume of transactions (millions)	0	neg	0.8	2.3	3.9	5.6
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (HUF billions)	0	neg	12.5	33.8	57.0	81.8
<i>of which:</i>						
<i>transactions with retailer cards (HUF billions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Electronic money function						
Cards with an e-money function (thousands)	nap	nap	nap	nap	nap	nap
Number of accepting terminals	nap	nap	nap	nap	nap	nap
Number of networks	nap	nap	nap	nap	nap	nap
Number of purchase transactions (millions)	nap	nap	nap	nap	nap	nap
Value of purchase transactions (HUF billions)	nap	nap	nap	nap	nap	nap
Number of loading transactions (millions)	nap	nap	nap	nap	nap	nap
Number of loading terminals	nap	nap	nap	nap	nap	nap
Value of money loaded (HUF billions)	nap	nap	nap	nap	nap	nap
Float (HUF billions)	nap	nap	nap	nap	nap	nap
Delayed debit cards (charge cards)						
Cards with a delayed debit function (thousands)	neg	3.1	6.0	6.4	6.2	5.3
Number of terminals for Visa & Mastercard 3) (credit & charge)	nap	nap	nap	nap	nap	23,109
Number of terminals 4) for American Express cards	nav	3,097	3,844	4,876	5,712	nap
Number of terminals for Diners Club cards	nav	4,050	4,206	6,232	7,512	nap
Volume of transactions (millions)	nav	neg	0.08	0.10	0.10	0.01
Value of transactions (HUF billions)	nav	0.4	2.2	3.0	3.0	2.3
<i>Memorandum item:</i>						
Total number of cards in circulation (thousands) ⁵⁾	2,198.5	3,134.3	4,129.8	4,751.2	5,479.3	6,071.1
<i>of which:</i>						
<i>cards with a combined debit and cash function (thousands)</i>	<i>2,052.0</i>	<i>2,932.0</i>	<i>3,695.2</i>	<i>4,192.2</i>	<i>4,632.2</i>	<i>5,025.0</i>
<i>cards with a cheque guarantee function (thousands)</i>	<i>3</i>	<i>neg</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

1) Figures for ATMs and POS terminals have been separated since 2000.

2) From 2000 - 02 almost half of the cards were linked to credit accounts, but there was no interest-free period.

3) Number of POS accepting Amex and Diners are included in the data for 2002.

4) From 2002 there are also charge cards bearing the MC and Visa logo.

5) Data includes retailer, delayed debit and credit cards.

Table 7
Payment instructions handled by selected interbank funds transfer systems:
volume of transactions
(thousands)

	1997	1998	1999	2000	2001	2002
Interbank Clearing System (ICS)	49,697.0	63,940.2	102,787.8	125,775.4	139,573.2	154,481.7
Customer-initiated credit transfers	49,606.5	62,489.2	75,323.5	85,906.9	92,522.0	95,782.1
Bank-to-bank transfers	1.7	0.5	0.8	0.2	0.1	0.1
Direct credits	1.0	877.9	13,223.7	21,410.1	26,391.5	34,536.7
Direct debits	neg	479.0	14,132.6	17,964.4	19,960.5	21,718.9

Rejected payments	87.8	93.6	107.2	166.4	150.9	155.7
Other transactions ¹⁾	nav	nav	nav	327.4	548.2	2,288.1
National Bank of Hungary (NBH) systems	81.0	88.2	98.0	201.7	289.8	395.3
VIBER (RTGS) ²⁾	nap	nap	48.5	158.8	239.8	337.3
Bank-to-bank transfers	nap	nap	24.5	70.8	121.4	190.3
DVP transactions	nap	nap	11.2	46.0	59.1	79.3
Customer transfers	nap	nap	0.1	9.0	35.2	45.1
NBH and other transactions	nap	nap	6.3	33.0	24.1	22.6
NBH accounting system ³⁾	81.0	88.2	49.5	42.9	50.0	58.0
Concentration ratio						
ICS	nav	nav	nav	59.26%	64.84%	61.47%
VIBER	nap	nap	nav	47.08%	46.86%	47.90%

1) These transactions comprise: collection orders, cheques, bills of exchange.

2) VIBER was implemented in September 1999.

3) Although it is not considered a payment system as such, the turnover of the accounting system gives a realistic picture of interbank transactions.

Table 8

**Payment instructions handled by selected interbank funds transfer systems:
value of transactions**

(HUF billions)

	1997	1998	1999	2000	2001	2002
Interbank Clearing System (ICS)	25,535.0	33,589.0	37,213.8	41,904.7	42,985.2	45,074.4
Customer-initiated credit transfers	24,886.7	33,229.1	36,259.9	40,499.8	41,130.7	42,425.2
Bank-to-bank transfers	481.5	224.1	294.1	47.9	29.3	27.9
Direct credits	0.1	40.5	572.9	1,103.6	1,499.2	2,193.8
Direct debits	neg	1.7	47.9	70.6	87.7	107.4
Rejected payments	87.8	93.6	39.0	19.8	17.9	19.9
Other transactions ¹⁾	nav	nav	nav	163.0	220.4	300.0
National Bank of Hungary (NBH) systems	29,847.5	37,087.4	47,786.4	83,514.5	142,345.6	260,713.0
VIBER (RTGS) ²⁾	nap	nap	24,427.3	82,130.5	139,757.5	258,931.5
Bank-to-bank transfers	nap	nap	13,362.2	43,756.7	90,357.2	209,431.4
DVP transactions	nap	nap	3,899.9	14,626.7	19,895.8	23,882.9
Customer transfers	nap	nap	4.2	1,788.8	13,699.6	9,942.7
NBH and other transactions	nap	nap	4,393.0	21,958.2	15,804.9	15,674.5
NBH accounting system ³⁾	29,847.5	37,087.4	23,359.1	1,384.0	2,588.1	1,781.6
Concentration ratio						
ICS	nav	nav	nav	44.10%	63.36%	56.03%
VIBER	nap	nap	nav	43.36%	58.20%	58.72%

1) These transactions comprise: collection orders, cheques, bills of exchange.

2) VIBER was implemented in September 1999.

3) Although it is not considered a payment system as such, the turnover of the accounting system gives a realistic picture of interbank transactions.

Table 9

Indicators of the use of various cashless payment instruments: volume of transactions

(millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques ¹⁾	1.0	0.012	0.045	0.120	0.077	neg
<i>of which:</i>						
<i>face-to-face</i>	nav	0.012	0.045	0.120	0.077	neg
<i>via PC or other terminal</i>	nap	0.0	0.0	0.0	0.0	0.0
<i>telebanking</i>	nap	0.0	0.0	0.0	0.0	0.0
<i>via mobile phone</i>	nap	0.0	0.0	0.0	0.0	0.0
Payments by debit card ²⁾	10.7	10.0	23.3	30.5	37.8	49.7
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nap	nav	nav	nav	nav	nav
<i>telebanking</i>	nap	nap	nap	nap	nap	nav

via mobile phone	nav	nav	nav	nav	nav	nav
Payments by credit card ³⁾	nav	nav	0.5	1.3	2.1	3.4
of which:						
face-to-face	nav	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav	nav
Credit transfers ⁴⁾	49.5	77.8	103.4	125.4	134.2	131.9
of which:						
face-to-face	nav	34.0	27.8	51.2	45.9	75.5
via PC or other terminal	nav	nav	nav	nav	nav	53.6
televanking	nav	nav	nav	nav	nav	2.7
via mobile phone	nav	nav	nav	nav	nav	neg
Direct debits ⁵⁾	33.98	34	38.8	42.8	46.5	51.2
of which:						
face-to-face	nav	nav	nav	nav	nav	35.6
via PC or other terminal	nav	nav	nav	nav	nav	5.3
televanking	nav	nav	nav	nav	nav	0.3
via mobile phone	nav	nav	nav	nav	nav	0.0
Card-based e-money	nav	nav	nav	nav	nav	nav
Network-based e-money	nav	nav	nav	nav	nav	nav
Total	95.1	121.8	166.1	200.1	220.7	236.2

1) Estimated data.

2) Payments with debit and retailer cards within Hungary and abroad

3) Payments with credit and charge cards within Hungary and abroad.

4) Includes items initiated by banks (figures in thousands): 25.7 in 1997, 30 in 1998, 47.7 in 1999, 71 in 2000, 121.5 in 2001, 190.3 in 2002

5) In 1997 direct debit payments were carried out by means of bilateral data exchange between the creditor and debtor banks.

Direct debits were introduced in the ICS at the end of 1997.

Table 10

Indicators of the use of various cashless payment instruments: value of transactions

(HUF billions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques ¹⁾	17.6	nav	27.8	77.8	39.8	0.6
of which:						
face-to-face	nav	nav	27.8	77.8	39.8	0.6
via PC or other terminal	nav	nav	0.0	0.0	0.0	0.0
televanking	nav	nav	0.0	0.0	0.0	0.0
via mobile phone	nav	nav	0.0	0.0	0.0	0.0
Payments by debit card ²⁾	122.5	88.6	218.7	325.1	374.3	464.0
of which:						
face-to-face	nav	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav	nav
Payments by credit card ³⁾	nav	nav	6.3	15.0	24.0	37.9
of which:						
face-to-face	nav	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav	nav
Credit transfers ⁴⁾	79,544.0	123,958.4	124,249.0	145,418.0	222,836.1	199,036.4
of which:						
face-to-face ⁵⁾	nav	63,754.5	63,177.8	52,884.0	67,004.2	130,659.8
via PC or other terminal	nav	nav	nav	nav	nav	67,384.9
televanking	nav	nav	nav	nav	nav	991.5
via mobile phone	nav	nav	nav	nav	nav	0.2
Direct debits ⁶⁾⁷⁾	99.1	118.9	152.7	235.2	284.1	582.5
of which:						
face-to-face	nav	nav	nav	nav	nav	490.3
via PC or other terminal	nav	nav	nav	nav	nav	89.3

telebanking	nap	nap	nap	nap	nap	2.9
via mobile phone	nap	nap	nap	nap	nap	0.0
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Total	79,783.2	124,165.9	124,654.5	146,071.1	223,558.3	200,121.4

- 1) Estimated data.
- 2) Payments with debit and retailer cards within Hungary and abroad.
- 3) Payments with credit and charge cards within Hungary and abroad.
- 4) Includes items initiated by banks (figures in HUF billions): 12,681.5 in 1997, 19,002.5 in 1998, 30,155.6 in 1999, 43,804.6 in 2000, 90,386.5 in 2001, 90,385.1 in 2002.
- 5) By contrast with 2001 includes payments submitted electronically (floppy disk/CDs).
- 6) In 1997 direct credit payments were carried out by means of bilateral data exchange between the creditor and debtor banks. Direct debits were introduced in the ICS at the end of 1997.
- 7) The increase in value between 2001 and 2002 is due to the boom in mortgage loans, which are repayed using direct debits. The average value of these repayments is 10-20 times larger than that of normal direct debits.

Table 11a
Instructions handled by trading platforms, clearing houses and securities settlement systems:
volume of transactions

	1997	1998	1999	2000	2001	2002
Trading platforms						
Budapest Stock Exchange	591,890	1,174,659	1,642,092	1,819,323	1,038,302	874,622
Spot	504,879	1,026,646	1,474,083	1,627,033	911,697	741,703
<i>of which:</i>						
equities	478,236	1,011,514	1,461,482	1,612,482	902,381	730,822
government bonds	2,210	3,946	3,158	2,358	632	816
corporate bonds	192	200	650	765	1,166	1,793
bonds of international institutions	nap	nap	28	17	42	11
mortgage bonds	nap	nap	nap	nap	80	365
T-bills	3,031	2,522	1,873	547	89	216
investment funds	1,597	790	1,106	2,855	4,694	1,134
compensation notes	19,613	7,674	5,786	7,982	2,613	6,546
Derivatives	87,011	148,013	168,009	192,290	126,605	132,919
Budapest Commodity Exchange						
Derivatives	13,645	9,352	3,200	3,559	3,548	10,045
Clearing houses						
KELER	605,535	1,184,011	1,645,292	1,822,882	1,041,850	882,576
<i>of which:</i>						
BSE spot	504,879	1,026,646	1,474,083	1,627,033	911,697	739,612
BSE derivatives	87,011	148,013	168,009	192,290	126,605	132,919
BCE derivatives	13,645	9,352	3,200	3,559	3,548	10,045
Securities settlement systems						
KELER	178,918	347,189	329,462	350,345	345,367	335,795
<i>of which:</i>						
FOP transfers	145,034	299,597	270,693	278,136	257,965	237,533
DVP transfers	21,276	28,934	41,891	51,867	65,173	80,517
securities blockings/releases	12,608	18,658	16,878	20,342	22,229	17,745

Table 11b
Instructions handled by trading platforms, clearing houses and securities settlement systems:
market value of transactions
(HUF billions)

	1997	1998	1999	2000	2001	2002
Trading platforms						
Budapest Stock Exchange	4,784.13	9,858.14	9,292.22	5,610.35	2,377.45	2,687.42
Spot	3,368.16	6,923.67	8,002.92	4,256.64	1,627.19	1,844.21
<i>of which:</i>						
equities	1,436.36	3,460.36	3,254.30	3,417.04	1,385.68	1,513.72
government bonds	979.72	2,400.08	3,254.30	634.07	158.86	192.73
corporate bonds	19.56	17.89	32.03	47.67	35.86	63.71
bonds of international institutions	nap	nap	3.23	1.02	5.55	0.74
mortgage bonds	nap	nap	nap	nap	2.79	20.20
T-bills	908.87	1,035.35	1,279.28	153.26	37.38	49.28

<i>investment funds</i>	1.17	0.82	0.46	0.57	0.75	0.39
<i>compensation notes</i>	22.49	9.18	2.28	3.01	0.32	3.46
Derivatives	1,415.97	2,934.47	1,289.30	1,353.71	750.26	843.21
Budapest Commodity Exchange Derivatives	1076.36	1305.19	341.05	578.05	682.88	455.15
Clearing houses						
KELER	5,860.49	11,163.33	9,292.22	5,610.35	1,627.19	3,142.57
<i>of which:</i>						
<i>BSE spot</i>	3,368.16	6,923.67	8,002.92	4,256.64	1,627.19	1,844.21
<i>BSE derivatives</i>	1,415.97	2,934.47	1,289.30	1,353.71	750.26	843.21
<i>BCE derivatives</i>	1,076.36	1,305.19	341.05	578.05	682.88	455.15
Securities settlement systems						
KELER	8,704.17	9,203.85	12,435.43	14,926.51	19,924.39	23,477.14
<i>of which:</i>						
<i>FOP transfers</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>DVP transfers</i>	8,704.17	9,203.85	12,435.43	14,926.51	19,924.39	23,477.14
<i>securities blockings/releases</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

Table 11c
Number of participants in trading platforms, clearing houses and securities settlement systems

	1997	1998	1999	2000	2001	2002
Trading systems						
Budapest Stock Exchange	63	60	52	42	34	34
<i>of which:</i>						
<i>brokerage firms</i>	62	59	51	36	26	18
<i>banks</i>	1	1	1	6	8	15
Budapest Commodity Exchange ¹⁾	45	42	34	28	22	46
Clearing systems						
Budapest Stock Exchange	63	60	52	42	34	34
<i>of which:</i>						
<i>brokerage firms</i>	62	59	51	36	26	18
<i>banks</i>	1	1	1	6	8	15
Budapest Commodity Exchange	nav	nav	nav	38	33	16
Securities settlement systems						
KELER	137	168	165	152	144	131
Investment firms	nav	nav	nav	nav	83	66
Banks and specialised financial institutions	nav	nav	nav	nav	42	32
Foreign institutions	nav	nav	nav	nav	3	3
Other	nav	nav	nav	nav	11	30

1) Partly estimated.

Table 11d
Outstanding securities
(end of year)

	1997	1998	1999	2000	2001	2002
KELER						
Value of securities issued (HUF billions)	3,725.7	4,531.7	5,225.1	6,720.3	9,219.0	9,170.0
<i>of which:</i>						
<i>government securities (incl. National Bank of Hungary bonds)</i>	3,339.8	3,944.5	4,348.1	5,193.9	6,095.7	6,915.0
<i>shares</i>	312.4	430.2	474.0	524.1	558.2	1,153.0
<i>investment funds</i>	15.7	73.7	303.6	891.7	2,411.0	601.0
<i>other securities</i>	57.7	83.3	99.5	110.6	154.1	501.0
Number of securities issued	4,842,488	5,255,683	5,858,434	5,853,746	5,031,765	3,695,686
<i>of which:</i>						
<i>government securities (incl. National Bank of Hungary bonds)</i>	114,899	80,730	79,625	19,013	9,449	5,404
<i>shares</i>	4,635,474	5,087,008	5,705,908	5,762,000	4,891,515	3,608,369
<i>investment funds</i>	90,670	86,796	71,962	72,733	72,205	73,617
<i>other securities</i>	1,445	1,149	939	0	58,596	8,296

Value of securities registered (HUF billions)	nap	nap	nap	nap	nap	nap
Number of securities registered	nap	nap	nap	nap	nap	nap

Table 11e

Netting ratio in clearing systems

	1997	1998	1999	2000	2001	2002
KELER						
T+5 settlement cycle/equities						
Netting ratio for cash over year	nav	nav	nav	nav	72%	83%
Netting ratio for securities over year	nav	nav	nav	nav	55%	67%
T+2 settlement cycle/bonds						
Netting ratio for cash over year	nav	nav	nav	nav	36%	90%
Netting ratio for securities over year	nav	nav	nav	nav	27%	80%

Table 12

Participation in SWIFT by domestic institutions

	1997	1998	1999	2000	2001	2002
Members	25	23	14	13	13	13
<i>of which live</i>	25	23	14	13	13	13
Sub-members	9	11	12	14	12	11
<i>of which live</i>	9	11	12	14	12	11
Participants	4	3	18	16	16	15
<i>of which live</i>	3	3	18	16	16	15
Total users	38	37	44	43	41	39
<i>of which live</i>	37	37	44	43	41	39
<i>Memorandum items:</i>						
Total SWIFT users	6,372	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>						
<i>members</i>	3,070	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,621	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	681	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1997	1998	1999	2000	2001	2002
Total messages sent	3,658,652	4,177,971	4,366,342	4,692,316	5,103,577	5,427,312
<i>of which:</i>						
<i>category I</i>	1,384,793	1,510,797	1,610,598	1,775,698	1,929,763	2,065,244
<i>category II</i>	1,167,810	1,256,010	1,217,411	1,301,941	1,364,264	1,464,346
Total messages received	2,756,924	2,847,555	2,996,876	3,378,651	3,737,914	4,079,309
<i>of which:</i>						
<i>category I</i>	1,066,023	1,155,454	1,219,919	1,374,210	1,525,200	1,628,998
<i>category II</i>	169,761	152,491	160,444	203,182	335,620	540,823
Domestic traffic	667,873	530,309	479,088	465,624	531,674	640,461
<i>Memorandum item:</i>						
Global SWIFT traffic ¹⁾	812,117,556	941,235,088	1,076,490,597	1,298,668,103	1,533,906,047	1,817,443,994

1) In January 2000 changes were made to the reporting methodology, resulting in a 2% increase in global SWIFT traffic. The new methodology was applied retroactively to 1999.

Table 1

Basic statistical data

	1997	1998	1999	2000	2001	2002
Population ¹⁾ (thousands)	2,432.9	2,410.0	2,390.5	2,373.0	2,355.0	2,345.6
GDP (LVL millions)	3,269.5	3,592.2	3,889.7	4,348.3	4,758.6	5,074.3
GDP per capita (LVL)	1,344	1,491	1,627	1,832	2,021	2,163
Exchange rate vis-à-vis ECU/EUR						
<i>end of year</i>	<i>0.65</i>	<i>0.66</i>	<i>0.59</i>	<i>0.58</i>	<i>0.56</i>	<i>0.60</i>
<i>average</i>	<i>0.66</i>	<i>0.66</i>	<i>0.62</i>	<i>0.56</i>	<i>0.56</i>	<i>0.58</i>

1) Average for the year.

Table 2

Settlement media used by non-banks

(end of year, LVL millions)

	1997	1998	1999	2000	2001	2002
Banknotes and coins	332.7	340.2	377.4	427.7	485.2	543.1
Transferable deposits	226.1	335.7	300.4	357.8	378.8	493.4
Narrow money supply (M1)	558.8	675.9	677.8	785.5	864.0	1,036.5
<i>Memorandum items:</i>						
Transferable deposits in foreign currencies	616.9	570.1	627.0	799.3	1,152.8	1,532.1
Outstanding value on e-money schemes	nap	nap	nap	nap	nap	nap
<i>of which:</i>						
<i>on card-based products</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>on network-based products</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

Table 3

Settlement media used by banks

(end of year, LVL millions)

	1997	1998	1999	2000	2001	2002
Transferable balances held at central bank	64.1	61.1	75.9	78.0	100.3	111.1
<i>of which:</i>						
<i>required reserves</i>	<i>48.8</i>	<i>46.6</i>	<i>52.8</i>	<i>77.8</i>	<i>93.0</i>	<i>107.6</i>
<i>free reserves</i>	<i>15.3</i>	<i>14.5</i>	<i>23.1</i>	<i>0.2</i>	<i>7.3</i>	<i>3.5</i>
Transferable balances held at domestic banks	21.5	6.5	3.5	5.0	5.2	5.1
<i>Memorandum item:</i>						
Institutions' borrowing from central bank	6.9	54.9	63.2	42.5	18.8	30.7

Table 4

Banknotes and coins ¹⁾

(end of year, total value, LVL millions)

	1997	1998	1999	2000	2001	2002
Total banknotes issued	339.9	353.5	403.6	458.0	529.7	594.3
<i>of which:</i>						
<i>LVL 500</i>	<i>nap</i>	<i>6.3</i>	<i>20.3</i>	<i>34.4</i>	<i>54.2</i>	<i>82.1</i>
<i>LVL 100</i>	<i>35.8</i>	<i>47.4</i>	<i>60.5</i>	<i>79.5</i>	<i>99.7</i>	<i>119.9</i>
<i>LVL 50</i>	<i>53.8</i>	<i>57.0</i>	<i>55.5</i>	<i>56.2</i>	<i>58.6</i>	<i>54.1</i>
<i>LVL 20</i>	<i>97.2</i>	<i>108.1</i>	<i>132.3</i>	<i>157.7</i>	<i>183.9</i>	<i>211.5</i>
<i>LVL 10</i>	<i>98.1</i>	<i>86.9</i>	<i>86.6</i>	<i>82.1</i>	<i>81.4</i>	<i>73.9</i>
<i>LVL 5</i>	<i>54.9</i>	<i>47.8</i>	<i>48.4</i>	<i>48.1</i>	<i>51.9</i>	<i>52.8</i>
Total coins issued	19.5	21.0	22.5	24.3	26.3	28.3
<i>of which:</i>						
<i>LVL 100 ²⁾</i>	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>
<i>LVL 10 ²⁾</i>	<i>0.2</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>
<i>LVL 2</i>	<i>5.3</i>	<i>5.8</i>	<i>6.2</i>	<i>6.7</i>	<i>6.5</i>	<i>6.6</i>
<i>LVL 1</i>	<i>6.1</i>	<i>6.4</i>	<i>7.1</i>	<i>7.9</i>	<i>8.9</i>	<i>9.8</i>

LVL 0.50	3.4	3.6	3.7	3.8	4.3	4.7
LVL 0.20	1.6	1.7	1.8	1.9	2.2	2.4
LVL 0.10	1.0	1.1	1.2	1.2	1.4	1.5
LVL 0.05	0.7	0.8	0.9	0.9	1.0	1.1
LVL 0.02	0.5	0.6	0.7	0.7	0.8	1.0
LVL 0.01	0.5	0.5	0.6	0.6	0.7	0.8
Total banknotes and coins issued	359.4	374.4	426.1	482.3	556.0	622.6
Banknotes and coins held by credit institutions	26.7	34.3	48.7	54.7	70.8	79.5
Banknotes and coins in circulation outside credit institutions	332.7	340.2	377.4	427.7	485.2	543.1

1) Differences between totals and the sum of their components are due to rounding.

2) Commemorative coins.

Table 5

Institutional framework

(end of 2002)

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (LVL millions)
Central bank	1	6	0.1	nap	11.5
Credit institutions	22	560	2,041.3	nav	2,011.4
Credit unions	26	26	nav	nap	0.5
Post Office	1	969	78.1	nap	2.1
Total	50	1,561	2,119.5	nav	2,025.5
<i>of which:</i>					
<i>virtual institutions</i>	nap	nap	nap	nap	nap
Branches of foreign banks	1	7	nav	nav	nav
<i>of which:</i>					
<i>EU-based</i>	1	7	nav	nav	nav

Table 6

Payment card functions and accepting devices

(end of year)

	1997	1998	1999	2000	2001	2002
Payment cards (thousands) ¹⁾	138.7	234.4	376.5	685.3	951.8	1,094.5
<i>of which:</i>						
<i>retailer cards (thousands)</i>	23.8	27.8	48.9	50.4	58.6	73.1
Volume of transactions (thousands) ²⁾	1,721.5	5,960.2	8,887.9	16,071.7	26,233.2	36,866.3
<i>of which:</i>						
<i>transactions with retailer cards (thousands)</i>	nav	1,578.1	1,860.5	2,234.8	2,720.1	2,954.6
Value of transactions (LVL millions)	62.4	169.9	341.0	584.7	850.9	1,163.7
<i>of which:</i>						
<i>transactions with retailer cards (LVL millions)</i>	nav	9.1	25.3	39.8	41.8	40.9
Cash function						
Cards with a cash function (thousands)	114.9	206.7	327.5	634.9	893.2	1021.5
Number of networks	4	6	5	6	6	6
Number of ATMs with a cash dispensing function	99	238	374	643	791	842
<i>of which:</i>						
<i>open access</i>	99	238	374	643	791	842
<i>limited access</i>	nap	nap	nap	nap	nap	nap
Volume of transactions (thousands) ²⁾	788.5	2,320.3	4,425.4	8,394.2	15,014.4	20,609.6
<i>of which:</i>						
<i>at ATMs with open access</i>	788.5	2,320.3	4,425.4	8,394.2	15,014.4	20,609.6
<i>at ATMs with limited access</i>	nap	nap	nap	nap	nap	nap

Value of transactions (LVL millions)	24.6	104.0	215.8	383.0	633.7	896.1
<i>of which:</i>						
at ATMs with open access	24.6	104.0	215.8	383.0	633.7	896.1
at ATMs with limited access	nap	nap	nap	nap	nap	nap
Number of ATMs with a giro transfer function	nav	99	133	395	573	608
volume of transactions (thousands) ²⁾	nav	16.6	56.9	143.4	253.1	359.4
value of transactions (LVL millions)	nav	0.3	1.1	2.4	4.0	5.2
Debit function						
Cards with a debit function (thousands)	99.2	186.2	287.0	560.4	731.8	887.8
<i>of which:</i>						
retailer cards (thousands)	23.2	24.6	26.9	27.8	28.9	33.8
Number of networks	4	6	5	6	6	6
Number of terminals	2,860	3,390	4,462	5,381	6,908	8,326
Volume of transactions (thousands)	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
transactions with retailer cards (thousands)	nav	nav	nav	nav	nav	nav
Value of transactions (LVL millions)	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
transactions with retailer cards (LVL millions)	nav	nav	nav	nav	nav	nav
Credit function						
Cards with a credit function (thousands)	34.0	118.9	158.0	299.7	441.4	501.4
<i>of which:</i>						
retailer cards (thousands)	0.6	3.2	22.0	23.8	32.1	42.4
Number of networks	4	6	5	6	6	6
Number of terminals	2,860	3,390	4,462	5,381	6,908	8,326
Volume of transactions (thousands)	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
transactions with retailer cards (thousands)	nav	nav	nav	nav	nav	nav
Value of transactions (LVL millions)	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
transactions with retailer cards (LVL millions)	nav	nav	nav	nav	nav	nav
Electronic money function						
Cards with an e-money function (thousands)	nap	nap	nap	nap	nap	nap
Number of accepting terminals	nap	nap	nap	nap	nap	nap
Number of networks	nap	nap	nap	nap	nap	nap
Number of purchase transactions (thousands)	nap	nap	nap	nap	nap	nap
Value of purchase transactions (LVL millions)	nap	nap	nap	nap	nap	nap
Number of loading transactions (thousands)	nap	nap	nap	nap	nap	nap
Number of loading terminals	nap	nap	nap	nap	nap	nap
Value of money loaded (LVL millions)	nap	nap	nap	nap	nap	nap
Float (LVL millions)	nap	nap	nap	nap	nap	nap
Delayed debit cards (charge cards)						
Cards with a delayed debit function (thousands)	nap	nap	nap	nap	nap	nap
Number of terminals	nap	nap	nap	nap	nap	nap
Volume of transactions (thousands)	nap	nap	nap	nap	nap	nap
Value of transactions (LVL millions)	nap	nap	nap	nap	nap	nap
<i>Memorandum item:</i>						
Total number of cards in circulation (thousands)	138.7	234.4	376.5	685.3	951.8	1,094.5
<i>of which:</i>						
cards with a combined debit, cash and e-money function (thousands)	nap	nap	nap	nap	nap	nap
cards with a cheque guarantee function (thousands)	nap	nap	nap	nap	nap	nap

1) A breakdown of transactions per card type is not available.

2) Excludes balance enquiries which do not affect account balances.

Table 7

Payment instructions handled by selected interbank funds transfer systems:

volume of transactions

(thousands)

	1997	1998	1999	2000	2001	2002
SAMS ¹⁾	nap	nap	nap	26.7	85.2	109.8
EFTS	18.8	38.6	88.8	50.0	nap	nap
IGSS ²⁾	41.0	40.9	nap	nap	nap	nap
EKS	4,272.2	5,418.7	6,930.8	12,468.7	14,461.8	16,096.6
Concentration ratio						
SAMS	nap	nap	nap	66.4%	65.8%	64.5%
EFTS	72.5%	73.4%	70.3%	65.0%	nap	nap
IGSS	55.6%	56.1%	nap	nap	nap	nap
EKS	72.3%	71.6%	74.0%	68.1%	71.2%	69.6%

1) SAMS was introduced on 8 September 2000, replacing EFTS.

2) IGSS was incorporated into EFTS on 1 April 1999.

Table 8

Payment instructions handled by selected interbank funds transfer systems:

value of transactions

(LVL millions)

	1997	1998	1999	2000	2001	2002
SAMS ¹⁾	nap	nap	nap	5,233.0	26,270.6	21,488.4
EFTS	4,254.0	6,672.2	13,488.7	9,991.0	nap	nap
IGSS ²⁾	3,951.2	4,914.8	nap	nap	nap	nap
EKS	3,887.0	4,455.9	4,602.1	6,674.9	7,255.1	6,228.5
Concentration ratio						
SAMS	nap	nap	nap	75.3%	75.5%	70.5%
EFTS	80.2%	76.0%	71.6%	70.5%	nap	nap
IGSS	68.2%	71.2%	nap	nap	nap	nap
EKS	71.2%	72.5%	74.0%	77.5%	78.2%	74.9%

1) SAMS was introduced on 8 September 2000 replacing EFTS.

2) IGSS was incorporated into EFTS on 1 April 1999.

Table 9

Indicators of the use of various cashless payment instruments: volume of transactions

(thousands)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	50.0	50.9	76.7	99.3	100.3	60.0
of which:						
face-to-face	50.0	50.9	76.7	99.3	100.3	60.0
via PC or other terminal	nap	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by payment cards	1,721.5	3,623.3	4,405.6	7,534.1	10,965.7	15,897.2
of which:						
face-to-face	nav	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav	nav
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by debit card	nav	nav	nav	nav	nav	nav
of which:						
face-to-face	nav	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav	nav
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap

Payments by credit card	nav	nav	nav	nav	nav	nav
of which:						
face-to-face	nav	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav	nav
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Credit transfers ¹⁾	50,979.2	39,758.7	44,549.3	53,703.1	56,762.5	62,846.1
of which:						
face-to-face	49,652.1	38,026.5	41,418.6	46,548.2	46,943.8	48,766.9
via PC or other terminal	952.1	1,570.5	2,927.2	6,922.3	9,555.0	13,754.7
telebanking	nap	1.8	2.9	21.7	61.5	76.9
via mobile phone	nap	nap	nap	nap	0.3	1.0
Direct debits	nav	8.6	10.7	20.0	49.7	165.0
of which:						
face-to-face	nap	nap	nap	nap	nap	nap
via PC or other terminal	nav	8.6	10.7	20.0	49.7	165.0
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Total	52,750.7	43,441.5	49,042.3	61,356.5	67,878.2	78,968.3

1) Includes items initiated by bank (figures in thousands): 375.0 in 1997, 159.9 in 1998, 200.6 in 1999, 210.9 in 2000, 201.9 in 2001, 246.6 in 2002.

Table 10
Indicators of the use of various cashless payment instruments: value of transactions
(LVL millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	18.7	20.6	24.3	27.5	36.3	21.1
of which:						
face-to-face	18.7	20.6	24.3	27.5	36.3	21.1
via PC or other terminal	nap	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by payment cards	62.4	65.6	124.1	199.3	213.2	262.4
of which:						
face-to-face	nav	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav	nav
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by debit card	nav	nav	nav	nav	nav	nav
of which:						
face-to-face	nav	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav	nav
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by credit card	nav	nav	nav	nav	nav	nav
of which:						
face-to-face	nav	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav	nav
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Credit transfers ¹⁾	89,341.5	93,782.8	119,073.2	194,151.3	265,480.0	329,272.1
of which:						
face-to-face	67,645.6	30,216.7	44,941.4	70,803.8	78,533.1	83,296.8
via PC or other terminal	8,582.6	15,812.5	15,932.5	40,546.1	62,513.9	85,819.3
telebanking	nap	1.3	1.6	16.1	64.2	72.9
via mobile phone	nap	nap	nap	nap	neg	0.1
Direct debits	nav	0.7	3.0	0.7	1.3	5.7
of which:						
face-to-face	nap	nap	nap	nap	nap	nap
via PC or other terminal	nav	0.7	3.0	0.7	1.3	5.7

telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Total	89,422.6	93,869.7	119,224.6	194,378.8	265,730.8	329,561.3

1) Includes items initiated by bank (figures in LVL millions): 13,113.3 in 1997, 47,752.3 in 1998, 58,197.7 in 1999, 82,785.3 in 2000, 124,368.8 in 2001, 160,083.0 in 2002.

Table 11a

**Instructions handled by trading platforms, clearing houses and securities settlement systems:
volume of transactions**

	1997	1998	1999	2000	2001	2002
Trading platforms						
Riga Stock Exchange	19,406	56,641	23,233	23,583	13,039	11,989
<i>of which:</i>						
Treasury bills and bonds	14	nap	32	694	827	722
bonds	nap	nap	nap	110	43	54
shares	19,392	56,641	23,173	22,660	11,969	11,041
mortgage securities	nap	nap	28	119	200	172
Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement systems						
VNS	4,717	4,092	4,444	3,206	6,705	4,881
<i>of which:</i>						
Treasury bills	4,463	3,110	3,078	1,620	1,212	452
Treasury bonds	254	982	1,366	1,559	5,159	4,199
bonds	nap	nap	nap	17	334	230
DENOS	66,082	60,114	25,802	24,306	23,501	23,008
<i>of which:</i>						
Treasury bills and bonds	668	130	449	970	1,165	1,164
bonds	62	134	158	361	167	245
shares	65,340	59,844	25,182	22,838	21,723	20,936
CDs	0	6	7	0	6	30
warrants	nap	nap	nap	nap	nap	nap
investment fund units	12	0	2	24	110	285
mortgage securities	nap	nap	4	113	330	348

Table 11b

Instructions handled by trading platforms, clearing houses and securities settlement systems:
market value of transactions ¹⁾

(LVL millions)

	1997	1998	1999	2000	2001	2002
Trading platforms						
Riga Stock Exchange	54.5	50.4	29.2	555.7	531.4	310.9
<i>of which:</i>						
Treasury bills and bonds	neg	nap	4.1	351.1	406.2	177.2
bonds	nap	nap	nap	30.2	13.3	6.8
shares	54.5	50.4	24.5	168.5	103.3	110.9
mortgage securities	nap	nap	0.6	5.9	8.6	16.0
Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement systems						
VNS	1,554.0	2,215.0	2,491.1	2,273.6	10,479.5	3,821.6
<i>of which:</i>						
Treasury bills	1,370.0	1,395.5	1,405.6	864.7	1,223.4	435.4
Treasury bonds	184.0	819.5	1,085.5	1,397.1	8,723.1	3,150.0
bonds	nap	nap	nap	11.8	533.0	236.2
DENOS	1,062.4	256.5	262.3	821.2	713.2	883.0
<i>of which:</i>						
Treasury bills and bonds	586.0	48.3	115.6	420.8	506.4	285.1
bonds	70.0	54.9	52.6	149.9	63.1	105.1
shares	405.9	151.9	91.6	234.0	118.5	433.4
CDs	0	1.4	1.4	0	1.8	9.0

warrants	nap	nap	nap	nap	nap	nap
investment fund units	0.5	0	0.2	9.8	14.8	20.3
mortgage securities	nap	nap	0.9	6.7	8.6	30.1

1) Shares are given at market value and other securities at nominal value.

Table 11c
Number of participants in trading platforms, clearing houses and securities settlement systems

	1997	1998	1999	2000	2001	2002
Trading platforms						
Riga Stock Exchange	24	22	16	15	14	13
<i>of which:</i>						
commercial banks	18	15	14	13	12	11
stockbrokers	6	7	2	2	2	2
Clearing systems	nap	nap	nap	nap	nap	nap
Securities settlement systems						
VNS	33	19	19	27	22	25
<i>of which:</i>						
commercial banks	29	16	16	21	16	19
Bank of Latvia	1	1	1	1	1	1
Latvian CSD	1	1	1	1	1	1
Ministry of Finance	1	1	1	1	1	1
special budget funds	nap	nap	nap	3	3	3
foreign banks, international securities houses	1	nap	nap	nap	nap	nap
DENOS	30	27	25	23	21	23
<i>of which:</i>						
commercial banks	20	17	16	14	14	15
stockbrokers	8	8	7	6	4	4
Estonian CSD	1	1	1	1	1	1
Lithuanian CSD	nap	nap	nap	1	1	1
Euroclear	nap	nap	nap	nap	nap	1
Bank of Latvia	1	1	1	1	1	1

Table 11d
Outstanding securities ¹⁾
(end of year)

	1997	1998	1999	2000	2001	2002
Riga Stock Exchange						
Value of Treasury bills and bonds (LVL millions)	0	nap	132.7	255.0	250.1	277.1
Value of bonds (LVL millions)	nap	nap	nap	25.0	10.0	9.9
Value of shares (LVL millions)	273.7	183.7	232.8	360.2	438.6	418.3
Value of mortgage securities (LVL millions)	nap	nap	0.5	3.6	8.0	16.6
Number of Treasury bills and bonds listed	0	nap	28	14	10	10
Number of bonds listed	nap	nap	nap	2	1	1
Number of shares listed	40	51	64	63	63	62
Number of mortgage securities listed	nap	nap	1	3	5	7
VNS						
Value of Treasury bills (LVL millions)	122.0	59.0	79.5	60.0	28.5	35.1
Value of Treasury bonds (LVL millions)	34.0	68.0	68.0	142.5	166.8	214.8
Value of bonds (LVL millions)	nap	nap	nap	2.6	13.5	24.0
Number of Treasury bills listed	38	26	28	8	9	14
Number of Treasury bonds listed	2	4	4	6	5	6
Number of bonds listed	nap	nap	nap	2	3	12
DENOS						
Value of Treasury bills and bonds (LVL millions)	155.6	127.0	147.5	225.9	257.9	293.2
Value of bonds (LVL millions)	18.6	47.7	33.3	32.8	32.2	42.5
Value of shares (LVL millions)	257.1	209.9	201.9	311.2	404.6	419.9

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Value of CDs (LVL millions)	5.1	1.0	0	6.3	0	0
Value of warrants (LVL millions)	nap	nap	nap	nap	nap	nap
Value of investment fund units (LVL millions)	0.5	0.5	0.1	4.9	6.9	12.3
Value of mortgage securities (LVL millions)	nap	nap	1.0	8.0	16.0	21.6
Number of Treasury bills and bonds listed	40	30	32	14	14	10
Number of bonds listed	4	5	4	6	6	13
Number of shares listed	64	88	110	127	136	130
Number of CDs listed	1	1	0	3	0	0
Number of warrants listed	nap	nap	nap	nap	nap	nap
Number of investment fund units listed	1	1	1	3	4	9
Number of mortgage securities listed	nap	nap	1	4	6	7

1) Shares are given at market value and other securities at nominal value.

Table 11e
Netting ratio in clearing systems

	1997	1998	1999	2000	2001	2002
Name of system	nap	nap	nap	nap	nap	nap
Netting ratio for cash over year	nap	nap	nap	nap	nap	nap
Netting ratio for securities over year	nap	nap	nap	nap	nap	nap

Table 12
Participation in SWIFT by domestic institutions

	1997	1998	1999	2000	2001	2002
Members	23	24	12	12	11	12
<i>of which live</i>	23	24	12	12	11	12
Sub-members	2	3	3	3	4	3
<i>of which live</i>	2	3	3	3	3	3
Participants	2	2	9	9	9	10
<i>of which live</i>	2	2	9	9	9	10
Total users	27	29	24	24	24	25
<i>of which live</i>	27	29	26	24	23	25
<i>Memorandum items:</i>						
Total SWIFT users	6,372	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>						
<i>members</i>	3,070	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,621	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	681	938	1,936	1,949	2,049	2,254

Table 13
SWIFT message flows to/from domestic users

	1997	1998	1999	2000	2001	2002
Total messages sent	1,424,956	2,087,308	1,867,982	2,077,407	2,461,200	3,006,106
<i>of which:</i>						
<i>category I</i>	935,452	1,419,049	1,224,538	1,430,485	1,797,677	2,252,246
<i>category II</i>	253,664	333,338	300,621	309,322	364,190	410,601
Total messages received	1,319,393	2,083,989	1,902,096	2,046,154	2,282,543	2,835,416
<i>of which:</i>						
<i>category I</i>	661,474	1,212,085	1,015,559	1,049,433	1,205,829	1,505,962
<i>category II</i>	53,500	80,577	80,761	86,125	89,972	93,027
Domestic traffic	315,839	796,802	590,146	385,909	320,707	395,960
<i>Memorandum item:</i>						
Global SWIFT traffic ¹⁾	812,117,556	941,235,088	1,076,490,597	1,298,668,103	1,533,906,047	1,817,443,994

1) In January 2000 changes were made to the reporting methodology, resulting in a 2% increase in global SWIFT traffic. The new methodology was applied retroactively to 1999.

Table 1
Basic statistical data

	1997	1998	1999	2000	2001	2002
Population ¹⁾ (thousands)	3,575.1	3,549.3	3,524.2	3,499.5	3,481.3	3,463.9
GDP (LTL billions)	38.3	43.0	42.7	45.1	48.0	51.1
GDP per capita (LTL)	10,713.0	12,115.1	12,116.2	12,887.6	13,788.0	14,752.2
Exchange rate vis-à-vis ECU/EUR						
<i>end of year</i>	4.42	4.67	4.02	3.72	3.52	3.45
<i>average</i>	4.54	4.48	4.26	3.69	3.58	3.46

1) Average for the year.

Table 2
Settlement media used by non-banks
(end of year, LTL millions)

	1997	1998	1999	2000	2001	2002
Banknotes and coins	2,535.5	2,800.4	2,738.7	2,658.3	2,919.9	3,756.4
Transferable deposits	2,574.4	2,770.3	2,536.1	3,014.2	3,824.5	4,572.8
Narrow money supply (M1) ¹⁾	5,109.9	5,570.7	5,274.9	5,672.6	6,744.3	8,329.2
<i>Memorandum items:</i>						
Broad money supply ²⁾	7,271.8	8,327.1	8,971.9	10,455.4	12,690.6	14,834.6
Transferable deposits in foreign currencies	639.0	741.2	713.2	799.5	1,059.9	1,150.8
Outstanding value on e-money schemes	7.6	14.5	13.8	38.0	63.1	87.8
<i>of which:</i>						
<i>on card-based products</i>	7.6	14.5	13.8	38.0	63.1	87.8
<i>on network-based products</i>	nap	nap	nap	nap	nap	nap

1) Differences between totals and the sum of their components are due to rounding.

2) Broad money consists of M1 and quasi-money (time and savings deposits and foreign currency deposits).

M1 consists of currency in circulation (banknotes and coins) and transferable deposits held in domestic currency.

Table 3
Settlement media used by banks
(end of year, LTL millions)

	1997	1998	1999	2000	2001	2002
Transferable balances held at central bank	390.0	867.8	444.6	620.6	583.5	591.1
<i>of which:</i>						
<i>required reserves</i>	370.6	389.9	386.7	372.4	422.6	457.5
<i>free reserves</i> ¹⁾	19.4	477.9	57.9	248.2	160.9	133.7
Transferable balances held at other banks	neg	neg	neg	neg	neg	neg
<i>Memorandum item:</i>						
Institutions' borrowing from central bank	neg	neg	neg	neg	neg	neg

1) The high degree of liquidity in 1998 was influenced by the government programme of restituting deposits to citizens.

Table 4

Banknotes and coins

(end of year, total value, LTL millions)

	1997	1998	1999	2000	2001	2002
Total banknotes issued	2,701.8	3,027.1	2,906.6	2,822.1	3,172.1	4,121.4
<i>of which:</i>						
LTL 500	<i>nap</i>	<i>nap</i>	<i>nap</i>	42.2	245.0	484.0
LTL 200	212.1	929.6	908.9	842.1	862.8	1,061.5
LTL 100	1,773.6	1,455.2	1,350.3	1,320.8	1,393.2	1,946.1
LTL 50	442.5	306.8	370.4	367.2	421.2	371.2
LTL 20	120.5	172.9	147.4	141.4	147.6	166.0
LTL 10	68.3	103.9	98.9	95.4	93.5	84.7
LTL 5	49.8	23.3	7.6	3.7	2.8	2.5
LTL 2	22.1	21.8	10.1	4.2	3.0	2.7
LTL 1	12.9	13.5	13.0	5.3	3.0	2.7
Total coins issued ¹⁾	27.8	33.0	65.2	82.2	90.7	96.5
<i>of which:</i>						
LTL 5	1.0	1.9	21.9	25.4	26.5	26.9
LTL 2	1.1	1.3	11.0	17.3	20.2	22.3
LTL 1	1.5	1.7	5.4	13.5	17.1	18.8
LTL 0.5	6.0	7.1	6.6	6.0	6.0	6.2
LTL 0.2	7.1	8.5	7.8	7.3	7.5	7.8
LTL 0.1	8.1	9.1	8.8	8.7	9.0	9.5
LTL 0.05	1.3	1.4	1.5	1.6	1.7	1.8
LTL 0.02	0.9	1.1	1.2	1.3	1.4	1.6
LTL 0.01	0.8	0.9	1.0	1.2	1.3	1.5
Total banknotes and coins issued	2,729.6	3,060.0	2,971.7	2,904.2	3,262.8	4,217.9
Banknotes and coins held by credit institutions	194.1	259.6	233.0	245.9	342.9	461.5
Banknotes and coins in circulation outside credit institutions	2,535.5	2,800.4	2,738.7	2,658.3	2,919.9	3,756.4

1) The figure in 1999 was influenced by the replacement of banknotes (LTL 2, LTL 5) with coins.

Table 5

Institutional framework

(end of 2002)

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (LTL millions) ¹⁾
Central bank	1	3	nav	nav	19.8
Credit institutions	10	129	nav	nav	4,553.0
Total	11	132	nav	nav	4,572.8
<i>of which:</i>					
virtual institutions	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Branches of foreign banks	4	4	nav	nav	nav
<i>of which:</i>					
EU-based	3	3	<i>nav</i>	<i>nav</i>	<i>nav</i>

1) Includes accounts held with branches of foreign banks.

Table 6
Payment card functions and accepting devices
(end of year)

	1997	1998	1999	2000	2001	2002
Cash function						
Cards with a cash function (thousands)	78.9	210.2	312.1	505.3	812.6	1,600.0
Number of networks	3	4	4	5	5	5
Number of ATMs with a cash dispensing function	126	280	341	473	689	889
<i>of which:</i>						
<i>open access</i>	57	280	341	473	689	889
<i>limited access</i>	69	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Volume of transactions (thousands)	537.8	2,469.3	2,182.3	4,160.9	11,070.8	22,437.0
<i>of which:</i>						
<i>at ATMs with open access</i>	219.1	2,469.3	2,182.3	4,160.9	11,070.8	22,437.0
<i>at ATMs with limited access</i>	318.7	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (LTL millions)	167.9	459.0	524.0	1,003.3	2,718.1	5,391.6
<i>of which:</i>						
<i>at ATMs with open access</i>	69.2	459.0	524.0	1,003.3	2,718.1	5,391.6
<i>at ATMs with limited access</i>	98.7	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of ATMs with a giro transfer function	<i>nap</i>	<i>nap</i>	179	194	220	514
<i>volume of transactions (thousands)</i>	<i>nap</i>	<i>nap</i>	1.7	24.1	38.2	46.0
<i>value of transactions (LTL millions)</i>	<i>nap</i>	<i>nap</i>	0.6	10.6	18.8	19.6
Debit function						
Cards with a debit function (thousands)	38.2	122.0	254.6	402.5	670.8	1,427.7
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	2	3	3	4	4	4
Number of terminals	854	2,630	5,286	6,101	9,258	10,340
Volume of transactions (thousands) ¹⁾	613.6	1,453.1	2,637.2	4,160.0	7,740.0	16,282.4
<i>of which:</i>						
<i>transactions with retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (LTL millions) ¹⁾	235.5	366.5	202.9	333.5	625.7	1,329.7
<i>of which:</i>						
<i>transactions with retailer cards (LTL millions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit function						
Cards with a credit function (thousands) ²⁾	16.5	35.5	5.8	9.2	13.0	36.3
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	2	3	3	4	4	4
Number of terminals	854	2,630	5,286	6,101	9,258	10,340
Volume of transactions (thousands)	<i>nav</i>	<i>nav</i>	<i>nav</i>	183.0	291.0	374.6
<i>of which:</i>						
<i>transactions with retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (LTL millions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	48.4	74.8	71.5
<i>of which:</i>						
<i>transactions with retailer cards (LTL millions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

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Electronic money function

Cards with an e-money function (thousands)	24.2	52.7	51.7	93.6	128.9	136.0
Number of accepting terminals	168	969	1,000	1,127	1,643	1,824
Number of networks	1	1	1	1	1	1
Number of purchase transactions (thousands)	115.2	283.2	371.0	636.0	866.0	1,798.0
Value of purchase transactions (LTL millions)	2.9	43.5	37.8	61.5	88.5	117.5
Number of loading transactions (millions)	nav	nav	nav	nav	nav	nav
Number of loading terminals	69	172	386	419	456	484
Value of money loaded (LTL millions)	9.6	50.4	37.1	85.7	113.6	142.2
Float (LTL millions)	7.6	14.5	13.8	38.0	63.1	87.8

Delayed debit cards (charge cards) ³⁾

Cards with a delayed debit function (thousands)	nav	nav	nav	nav	nav	nav
Number of terminals	nav	nav	nav	nav	nav	nav
Volume of transactions (thousands)	nav	nav	nav	nav	nav	nav
Value of transactions (LTL millions)	nav	nav	nav	nav	nav	nav

Memorandum item:

Total number of cards in circulation (thousands)	78.9	210.2	312.1	505.3	812.6	1,600.0
of which:						
cards with a combined debit, cash and e-money function (thousands)	nap	nap	1.08	3.94	3.64	3.11
cards with a cheque guarantee function (thousands)	nap	nap	nap	nap	nap	nap

1) Includes payments by delayed debit card and, up to 2000, payments by credit card.

2) In 1999 the domestic card scheme Globus was discontinued.

3) Included in "Cards with a debit function".

Table 7

Payment instructions handled by selected interbank funds transfer systems:

volume of transactions

(millions)

	1997	1998	1999	2000	2001	2002
TARPBANK	9.02	9.96	9.85	8.95	9.91	11.66
Concentration ratio	85.55%	84.26%	88.44%	87.49%	88.95%	88.88%

Table 8

Payment instructions handled by selected interbank funds transfer systems:

value of transactions

(LTL billions)

	1997	1998	1999	2000	2001	2002
TARPBANK	109.82	127.53	116.13	104.03	116.75	144.61
Concentration ratio	81.29%	79.64%	87.31%	82.62%	82.68%	84.10%

Table 9

Indicators of the use of various cashless payment instruments: volume of transactions ¹⁾
 (thousands)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques ²⁾	nav	nav	nav	nav	nav	22.0
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	22.0
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap	nap
<i>telebanking</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Payments by debit card ³⁾	613.6	1,453.1	2,637.2	4,160.0	7,740.0	16,282.4
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	16,106.5
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	175.9
<i>telebanking</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Payments by credit card	nav	nav	nav	183.0	291.0	374.6
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	365.4
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	9.2
<i>telebanking</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Credit transfers	11,748.3	14,402.0	14,972.7	20,174.0	29,816.0	35,159.0
<i>of which:</i>						
<i>face-to-face</i>	11,748.3	nav	13,777.7	18,079.0	26,557.0	26,576.0
<i>via PC or other terminal</i>	nap	nap	nap	144.0	635.0	2,596.0
<i>telebanking</i>	nap	nav	1,195.0	1,951.0	2,624.0	5,987.0
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Direct debits	0.1	2.4	928.0	825.0	716.0	833.0
<i>of which:</i>						
<i>face-to-face</i>	0.1	2.4	927.6	823.3	707.5	423.0
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap	nap
<i>telebanking</i>	nap	neg	0.4	1.68	8.5	410.0
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Card-based e-money	115.2	283.2	371.0	636.0	866.0	1,798.0
Network-based e-money	nap	nap	nap	nap	nap	nap
Total	12,477.2	16,140.7	18,908.9	25,978.0	39,429.0	54,469.0

1) Includes items initiated by banks.

2) From 1999 to 2001 payments by cheque are included in "Direct debits".

3) Includes payments by delayed debit card and, up to 2000, payments by credit card.

Table 10

Indicators of the use of various cashless payment instruments: value of transactions ¹⁾
 (LTL millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques ²⁾	nav	nav	nav	nav	nav	21.7
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap	nap
<i>telebanking</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Payments by debit card ³⁾	235.5	366.5	202.9	333.5	625.7	1,329.7
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	1,258.0
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	71.6
<i>telebanking</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap

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Payments by credit card	nav	nav	nav	48.4	74.8	71.5
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	69.5
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	2.0
<i>televanking</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Credit transfers	195,946.5	222,656.6	192,145.4	220,629.3	332,911.4	447,697.2
<i>of which:</i>						
<i>face-to-face</i>	195,946.5	nav	174,793.1	190,552.1	274,435.4	347,889.1
<i>via PC or other terminal</i>	nap	nap	nap	1,036.9	19,836.4	38,358.7
<i>televanking</i>	nap	nav	17,352.3	29,040.3	38,639.6	61,449.4
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Direct debits	0.1	1.4	2,140.1	2,074.7	1,673.4	1,587.7
<i>of which:</i>						
<i>face-to-face</i>	0.1	1.4	2,140.0	2,074.3	1,671.5	1,265.1
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap	nap
<i>televanking</i>	nap	neg	0.1	0.4	1.9	322.6
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Card-based e-money	2.9	43.5	37.8	61.5	88.5	117.5
Network-based e-money	nap	nap	nap	nap	nap	nap
Total	196,185.0	223,068.0	194,526.2	223,147.5	335,373.8	450,825.3

1) Includes items initiated by banks.

2) From 1999 to 2001 payments by cheque are included in "Direct debits".

3) Includes payments by delayed debit card and, until 2000, payments by credit card.

Table 11a

**Instructions handled by trading platforms, clearing houses and securities settlement systems:
volume of transactions**

	1997	1998	1999	2000	2001	2002
Trading platform						
National Stock Exchange of Lithuania	70,970	60,784	39,975	32,914	33,575	37,517
<i>of which:</i>						
<i>shares</i>	70,419	59,787	38,366	31,743	32,184	36,029
<i>government securities</i> ¹⁾	551	997	1,609	1,171	1,391	1,488
Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement system						
LCVPD						
DVP transactions ²⁾	34,673	45,261	41,587	30,996	31,554	30,371
<i>of which:</i>						
<i>shares</i>	34,328	44,108	38,831	28,376	28,913	27,375
<i>government securities</i> ¹⁾	345	1,153	2,756	2,620	2,641	2,996
FOP transactions	14,049	11,909	10,220	8,532	9,299	12,509
<i>of which:</i>						
<i>shares</i>	13,338	10,995	8,821	7,100	7,385	11,036
<i>government securities</i> ¹⁾	711	914	1,399	1,432	1,914	1,473

1) Includes corporate bonds, which represent a negligible volume of transactions.

2) Movements to accumulate securities for the execution of the tender offer are calculated as FOP transactions.

Table 11b

**Instructions handled by trading platforms, clearing houses and securities settlement systems:
market value of transactions**

(LTL millions)

	1997	1998	1999	2000	2001	2002
Trading platform						
National Stock Exchange of Lithuania	1,463.4	1,487.7	2,302.3	1,758.7	1,841.3	2,024.6
<i>of which:</i>						
<i>shares</i>	959.1	891.1	1,236.1	808.8	840.2	649.6

government securities ¹⁾	504.3	596.6	1,066.2	949.9	1,001.1	1,375.0
Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement system						
LCVPD						
DVP transactions ²⁾	1,436.2	2,368.5	2,541.2	1,882.3	1,689.8	2,257.1
of which:						
shares	897.7	809.7	1,092.2	721.6	356.9	333.3
government securities ¹⁾	538.5	1,558.8	1,449.0	1,160.7	1,332.9	1,923.8
FOP transactions ³⁾	3,163.2	3,834.6	5,125.7	3,560.7	2,972.0	2,984.0
of which:						
shares	1,972.2	2,099.9	2,599.0	2,048.4	2,071.2	2,226.8
government securities ¹⁾	1,191.0	1,734.7	2,526.7	1,512.3	900.8	757.2

1) Includes corporate bonds, which represent a negligible transaction amount.

2) Movements to accumulate of securities for the execution of the tender offer are calculated as FOP transactions.

3) Nominal value.

Table 11c
Number of participants in trading platforms, clearing houses and securities settlement systems

	1997	1998	1999	2000	2001	2002
Trading platform						
National Stock Exchange of Lithuania						
Banks	11	9	9	9	8	9
Brokers	38	28	20	15	12	14
Clearing systems	nap	nap	nap	nap	nap	nap
Securities settlement system						
LCVPD						
Banks	12	11	11	11	10	12
Brokers	47	42	29	19	18	18
Others	7	8	7	7	5	4

Table 11d
Outstanding securities
(end of year)

	1997	1998	1999	2000	2001	2002
National Stock Exchange of Lithuania						
Value of securities listed (LTL millions)	10,591.8	13,765.9	13,882.0	13,741.0	12,475.4	12,836.2
of which:						
shares (LTL millions)	8,942.7	12,073.9	12,706.0	12,207.0	10,505.0	10,064.7
other securities (LTL millions)	1,649.1	1,692.0	1,176.0	1,534.0	1,970.4	2,771.5
Number of securities listed	703	1,442	1,135	1,071	975	710
of which:						
shares	668	1,399	1,098	1,035	941	675
other securities	35	43	37	36	34	35
LCVPD						
Value of securities registered ¹⁾ (LTL millions)	16,561.7	16,134.7	17,082.3	17,593.4	16,172.1	16,844.5
of which:						
shares (LTL millions)	13,951.1	13,164.9	14,485.0	14,964.4	13,245.4	13,071.4
other securities (LTL millions)	2,610.6	2,969.8	2,597.3	2,629.0	2,926.7	3,773.1
Number of securities registered	1,952	1,901	1,856	1,744	1,595	1,350
of which:						
shares	1,908	1,847	1,796	1,681	1,538	1,287
other securities	44	54	60	63	57	63

1) Market value - if ever quoted; otherwise - nominal value.

Table 11e
Netting ratio in clearing systems

	1997	1998	1999	2000	2001	2002
LCVPD						
Netting ratio for cash over year ¹⁾	nap	nap	nap	0.23	0.31	0.29
Netting ratio for securities over year ²⁾	nap	nap	nap	nap	nap	nap

1) LCVPD has handled stock exchange transactions (cash settlements side) since 1 May 2000.

2) Some stock exchange central market transactions are delivered to LCVPD already netted (securities side).

Table 12
Participation in SWIFT by domestic institutions

	1997	1998	1999	2000	2001	2002
Members	10	8	4	3	2	2
<i>of which live</i>	9	8	4	3	2	2
Sub-members	1	3	4	3	5	5
<i>of which live</i>	1	3	4	3	4	5
Participants	1	1	4	6	7	7
<i>of which live</i>	1	1	4	6	7	7
Total users	12	12	12	12	14	14
<i>of which live</i>	11	12	12	12	13	14
<i>Memorandum items:</i>						
Total SWIFT users	6,372	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>						
<i>members</i>	3,070	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,621	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	681	938	1,936	1,949	2,049	2,254

Table 13
SWIFT message flows to/from domestic users

	1997	1998	1999	2000	2001	2002
Total messages sent	417,430	487,917	495,666	588,183	745,677	978,526
<i>of which:</i>						
<i>category I</i>	272,584	306,686	304,398	341,519	423,029	575,200
<i>category II</i>	54,840	67,813	90,775	136,761	183,637	229,076
Total messages received	515,019	582,590	619,137	718,186	870,095	1,017,791
<i>of which:</i>						
<i>category I</i>	249,770	278,200	280,767	345,692	433,012	536,015
<i>category II</i>	9,580	13,867	18,080	23,579	29,251	38,007
Domestic traffic	17,532	33,128	32,734	32,466	38,176	49,669
<i>Memorandum item:</i>						
Global SWIFT traffic ¹⁾	812,117,556	941,235,088	1,076,490,597	1,298,668,103	1,533,906,047	1,817,443,994

1) In January 2000 changes were made to the reporting methodology, resulting in a 2% increase in global SWIFT traffic.

The new methodology was applied retroactively to 1999.

Table 1**Basic statistical data**

	1997	1998	1999	2000	2001	2002
Population ¹⁾ (thousands)	382.8	385.3	387.2	390.0	392.4	394.7
GDP (MTL billions, current prices)	1.3	1.4	1.5	1.6	1.6	1.7
GDP per capita (MTL)	3,396.0	3,633.5	3,874.0	4,000.0	4,153.9	4,307.1
Exchange rate vis-à-vis ECU/EUR						
<i>end of year</i>	0.43	0.44	0.42	0.41	0.40	0.42
<i>average</i>	0.44	0.44	0.43	0.40	0.40	0.41

1) Average for the year.

Table 2**Settlement media used by non-banks**

(end of year, MTL millions)

	1997	1998	1999	2000	2001	2002
Banknotes and coins	363.77	368.09	384.59	396.30	414.24	436.83
Transferable deposits	116.13	152.91	195.11	198.36	221.26	243.27
Other	nap	nap	nap	nap	nap	nap
Narrow money supply (M1)	479.90	521.00	579.70	594.66	635.50	680.10
<i>Memorandum items:</i>						
Broad money supply	2,046.99	2,222.59	2,441.80	2,538.88	2,752.90	3,038.10
Transferable deposits in foreign currencies	nav	nav	309.15	177.56	225.10	402.57
Outstanding value on e-money schemes	nap	nap	nap	nap	nap	nap
<i>of which:</i>						
<i>on card-based products</i>	nap	nap	nap	nap	nap	nap
<i>on network-based products</i>	nap	nap	nap	nap	nap	nap

Table 3**Settlement media used by banks**

(end of year, MTL millions)

	1997	1998	1999	2000	2001	2002
Transferable balances held at central bank	100.51	115.20	124.79	141.27	125.80	147.57
<i>of which:</i>						
<i>required reserves ¹⁾</i>	99.97	107.21	122.25	132.57	115.92	127.89
<i>free reserves</i>	0.54	7.99	2.54	8.70	9.88	19.68
Transferable balances held at other banks	7.50	3.20	6.00	6.35	1.69	6.24
<i>Memorandum item:</i>						
Institutions' borrowing from central bank	15	6	neg	113.40	23.80	0.00

1) Reserves held with the central bank are calculated as the average holdings between the 15th of the month and the 14th of the next month.

Table 4

Banknotes and coins

(end of year, total value, MTL millions)

	1997	1998	1999	2000	2001	2002
Total banknotes issued	369.83	373.80	402.00	405.71	423.84	443.91
<i>of which:</i>						
MTL 20	118.14	109.72	108.63	107.90	108.83	109.56
MTL 10	219.74	234.12	259.37	264.17	280.70	298.66
MTL 5	25.85	24.17	27.74	27.17	27.65	28.78
MTL 2	6.10	5.79	6.27	6.47	6.66	6.90
Total coins issued	14.83	15.70	16.49	17.47	17.99	17.34
<i>of which:</i>						
MTL 1.00	4.63	4.84	4.98	5.35	5.40	5.65
MTL 0.50	3.50	3.75	4.00	4.25	4.44	3.62
MTL 0.25	2.24	2.34	2.49	2.61	2.72	2.44
MTL 0.10	2.12	2.33	2.45	2.56	2.64	2.71
MTL 0.05	1.06	1.12	1.18	1.26	1.31	1.38
MTL 0.02	0.77	0.80	0.83	0.86	0.87	0.90
MTL 0.01	0.43	0.45	0.48	0.51	0.54	0.57
MTL 0.01 ¹⁾	0.08	0.08	0.08	0.08	0.08	0.08
Total banknotes and coins issued	384.66	389.51	418.49	423.18	441.83	461.25
Banknotes and coins held by credit institutions	20.89	21.42	33.89	26.89	27.59	24.42
Banknotes and coins in circulation outside credit institutions	363.77	368.09	384.59	396.30	414.24	436.83

1) MTL 0.01 consists of MTL 0.005, MTL 0.003 and MTL 0.002.

Table 5

Institutional framework

(end of 2002)

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (MTL billions)
Central bank	1	1	nap	nap	nap
Credit institutions ¹⁾	14	112	635	5,376	0.24
Post office	1	31	nap	nap	nap
Total	16	144	635	5,376	0.24
<i>of which:</i>					
virtual institutions	nap	nap	nap	nap	nap
Branches of foreign banks	2	2	neg	nap	neg
<i>of which:</i>					
EU-based	nap	nap	nap	nap	nap

1) Seven institutions provide services only to non-residents in foreign currencies.

Table 6

Payment card functions and accepting devices

(end of year)

	1997	1998	1999	2000	2001	2002
Cash function						
Cards with a cash function (thousands)	215.00	234.00	293.13	327.73	344.80	372.79
Number of networks	3	3	4	4	4	4
Number of ATMs with a cash dispensing function	106	121	124	136	139	138
<i>of which:</i>						
open access	106	121	124	136	139	133
limited access	nap	nap	nap	nap	nap	5

Volume of transactions (millions)	4.430	4.96	5.96	7.429	8.59	8.75
<i>of which:</i>						
<i>at ATMs with open access</i>	4.43	4.96	5.96	7.43	8.59	8.72
<i>at ATMs with limited access</i>	nap	nap	nap	nap	nap	0.03
Value of transactions (MTL millions)	140.26	160.48	200.74	212.40	246.84	271.66
<i>of which:</i>						
<i>at ATMs with open access</i>	140.26	160.48	200.74	212.40	246.84	259.92
<i>at ATMs with limited access</i>	nap	nap	nap	nap	nap	11.74
Number of ATMs with a giro transfer function	nap	nap	nap	nap	nap	nap
Volume of transactions (millions)	nap	nap	nap	nap	nap	nap
Value of transactions (MTL billions)	nap	nap	nap	nap	nap	nap
Debit function						
Cards with a debit function (thousands)	148.40	173.10	213.51	240.00	249.00	274.40
<i>of which:</i>						
<i>retailer cards (thousands)</i>	nap	nap	nap	nap	nap	nap
Number of networks	2	2	2	2	2	3
Number of terminals	3,388	3,599	4,400	5,293	6,033	6,503
Volume of transactions (millions)	1.44	1.93	2.57	2.42	2.01	2.13
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	nap	nap	nap	nap	nap	nap
Value of transactions (MTL millions)	39.61	52.21	74.01	59.59	42.75	42.22
<i>of which:</i>						
<i>transactions with retailer cards (MTL billions)</i>	nap	nap	nap	nap	nap	nap
Credit function						
Cards with a credit function (thousands)	79.00	73.00	79.62	85.83	93.99	98.39
<i>of which:</i>						
<i>retailer cards (thousands)</i>	nap	nap	nap	nap	nap	nap
Number of networks	3	3	4	4	4	4
Number of terminals	3,494	3,720	4,524	5,429	6,172	6,482
Volume of transactions (millions)	nav	nav	nav	nav	nav	1.18
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	nap	nap	nap	nap	nap	nap
Value of transactions (MTL millions)	nav	nav	nav	nav	nav	54.83
<i>of which:</i>						
<i>transactions with retailer cards (MTL billions)</i>	nap	nap	nap	nap	nap	nap
Electronic money function						
Cards with an e-money function (thousands)	nap	nap	nap	nap	nap	nap
Number of accepting terminals	nap	nap	nap	nap	nap	nap
Number of networks	nap	nap	nap	nap	nap	nap
Number of purchase transactions (millions)	nap	nap	nap	nap	nap	nap
Value of purchase transactions (MTL billions)	nap	nap	nap	nap	nap	nap
Number of loading transactions (millions)	nap	nap	nap	nap	nap	nap
Number of loading terminals	nap	nap	nap	nap	nap	nap
Value of money loaded (MTL billions)	nap	nap	nap	nap	nap	nap
Float (MTL billions)	nap	nap	nap	nap	nap	nap

Delayed debit cards (charge cards)

Cards with a delayed debit function (thousands)	nap	nap	nap	nap	nap	nap
Number of terminals	nap	nap	nap	nap	nap	nap
Volume of transactions (millions)	nap	nap	nap	nap	nap	nap
Value of transactions (MTL billions)	nap	nap	nap	nap	nap	nap
<i>Memorandum item:</i>						
Total number of cards in circulation (thousands)	215.00	234.00	293.13	327.73	344.80	372.79
<i>of which:</i>						
<i>cards with a combined debit, cash and e-money function (thousands)</i>	nap	nap	nap	nap	nap	nap
<i>cards with a cheque guarantee function (thousands)</i>	nap	nap	nap	nap	nap	nap

Table 7
**Payment instructions handled by selected interbank funds transfer systems:
volume of transactions**
(millions)

	1997	1998	1999	2000	2001	2002
Interbank Real-Time Gross Payment Arrangement	nav	nav	0.013	0.018	0.022	0.020
Malta Clearing House						
Cheques	6.86	6.84	7.07	7.38	7.26	6.93
Concentration ratio	100	100	100	100	100	100

Table 8
**Payment instructions handled by selected interbank funds transfer systems:
value of transactions**
(MTL billions)

	1997	1998	1999	2000	2001	2002
Interbank Real-Time Gross Payment Arrangement	nav	nav	3.054	3.497	3.653	6.220
Malta Clearing House						
Cheques	2.13	2.19	2.39	2.69	2.49	2.52
Concentration ratio	100	100	100	100	100	100

Table 9
Indicators of the use of various cashless payment instruments: volume of transactions
(millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	10.96	9.03	9.10	9.71	9.87	10.97
<i>of which:</i>						
<i>face-to-face</i>	10.96	9.03	9.10	9.71	9.87	10.85
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap	0.12
<i>telebanking</i>	nap	nap	nap	nap	nap	0.002
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Payments by debit card	nav	nav	nav	nav	1.96	2.09
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	1.96	2.07
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap	0.02
<i>telebanking</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Payment by credit card	nav	nav	nav	nav	0.73	0.87
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	0.84
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	0.03
<i>telebanking</i>	nav	nav	nav	nav	nav	nap
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nap

Credit transfers ¹⁾	nav	nav	1.07	1.28	1.86	2.53
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	0.15
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	2.38
<i>telebanking</i>	nav	nav	nav	nav	nav	nap
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nap
Direct debits	neg	neg	neg	neg	neg	0.3
<i>of which:</i>						
<i>face-to-face</i>	neg	neg	neg	neg	neg	neg
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	0.30
<i>telebanking</i>	nav	nav	nav	nav	nav	nap
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nap
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Total	10.96	9.03	10.17	10.99	14.42	16.76

1) Includes items initiated by banks.

Table 10
Indicators of the use of various cashless payment instruments: value of transactions
(MTL millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	nav	nav	2,094.91	2,709.92	2,586.29	4,081.80
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	2,094.91	2,709.92	2,586.29	4,073.69
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	8.11
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Payments by debit card	nav	nav	nav	nav	32.5	42.37
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	42.14
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	0.23
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Payments by credit card	nav	nav	nav	nav	26.99	31.27
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	30.77
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	0.5
<i>telebanking</i>	nav	nav	nav	nav	nav	nap
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nap
Credit transfers ¹⁾	nav	nav	1,978.49	1,637.58	2,263.03	1,788.16
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	142.57
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	1645.59
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Direct debits	nav	nav	nav	nav	nav	18.23
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Total	nav	nav	4,073	4,348	4,909	5,962

1) Includes items initiated by banks.

Table 11a

**Instructions handled by trading platforms, clearing houses and securities settlement systems:
volume of transactions**
(thousands)

	1997	1998	1999	2000	2001	2002
Trading platform						
Malta Stock Exchange						
Private listed securities	3.14	4.59	13.83	14.19	7.10	5.91
Government securities (bonds)	2.97	3.92	3.01	2.87	2.43	1.86
Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement system						
Malta Stock Exchange						
Private listed securities	3.14	4.59	13.83	14.19	7.10	5.91
Government securities (bonds)	2.97	3.92	3.01	2.87	2.43	1.86

Table 11b

**Instructions handled by trading platforms, clearing houses and securities settlement systems:
market value of transactions**
(MTL millions)

	1997	1998	1999	2000	2001	2002
Trading platform						
Malta Stock Exchange						
Private listed securities ¹⁾	9.40	22.70	139.60	85.90	35.90	31.00
Government securities (bonds)	104.80	112.10	50.90	63.10	133.50	44.80
Clearing houses	nap	nap	nap	nap	nap	nap
Securities settlement system						
Malta Stock Exchange						
Private listed securities	9.40	22.70	139.60	85.90	35.90	31.00
Government securities (bonds)	104.80	112.10	50.90	63.10	133.50	44.80

1) The figure for 1999 includes the transfer of Mid-Med Bank from the Government to HSBC Bank for MTL 74.1 million.

Table 11c

Number of participants in trading platforms, clearing houses and securities settlement systems

	1997	1998	1999	2000	2001	2002
Trading systems						
Malta Stock Exchange						
Stockbrokers	11	11	12	19	19	20
Clearing systems	nap	nap	nap	nap	nap	nap
Securities settlement systems						
Malta Stock Exchange	11	11	12	19	19	20

Table 11d

Outstanding securities
(end of year)

	1997	1998	1999	2000	2001	2002
Malta Stock Exchange						
Value of securities issued						
(MTL millions)	166	296	794	882	611	1587
Number of securities issued	133	234	346	412	493	1427
Value of securities registered						
(MTL millions)	166	296	794	882	611	1587
Number of securities registered	133	234	346	412	493	1427

Table 11e

Netting ratio in clearing systems

	1997	1998	1999	2000	2001	2002
Malta Stock Exchange						
Netting ratio for cash over year	nap	nap	nap	nap	nap	nap
Netting ratio for securities over year	nap	nap	nap	nap	nap	nap

Table 12

Participation in SWIFT by domestic institutions

	1997	1998	1999	2000	2001	2002
Members	7	7	7	7	7	7
<i>of which live</i>	7	7	7	7	7	7
Sub-members	5	6	9	8	8	4
<i>of which live</i>	5	6	9	8	8	4
Participants	0	0	0	0	0	0
<i>of which live</i>	0	0	0	0	0	0
Total users	12	13	16	15	15	11
<i>of which live</i>	12	13	16	15	15	11
<i>Memorandum items:</i>						
Total SWIFT users	6,372	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>						
<i>members</i>	3,070	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,621	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	681	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1997	1998	1999	2000	2001	2002
Total messages sent	347,566	399,735	453,863	531,422	547,929	572,016
<i>of which:</i>						
<i>category I</i>	144,132	170,665	210,037	249,042	270,799	297,200
<i>category II</i>	76,415	87,438	97,670	109,367	115,849	113,087
Total messages received	289,098	328,924	381,808	433,061	481,207	494,153
<i>of which:</i>						
<i>category I</i>	107,657	119,470	132,946	151,603	168,124	178,746
<i>category II</i>	25,790	30,480	39,718	40,211	47,708	44,716
Domestic traffic	26,542	34,500	50,118	58,457	71,264	100,977
<i>Memorandum item:</i>						
Global SWIFT traffic ¹⁾	812,117,556	941,235,088	1,076,490,597	1,298,668,103	1,533,906,047	1,817,443,994

1) In January 2000 changes were made to the reporting methodology, resulting in a 2% increase in global SWIFT traffic. The new methodology was applied retroactively to 1999.

Table 1

Basic statistical data

	1997	1998	1999	2000	2001	2002
Population ¹⁾ (thousands)	38,650	38,666	38,654	38,646	38,641	38,641
GDP (PLN billions, current prices)	472.4	553.6	615.1	685	722.3	751.2
GDP per capita (PLN thousands)	12.2	14.3	15.9	17.7	18.7	19.4
Exchange rate vis-à-vis ECU/EUR						
end of year	3.92	4.09	4.16	3.85	3.50	3.99
average	3.71	3.89	4.23	4.01	3.67	3.85

1) Average for the year.

Table 2

Settlement media used by non-banks

(end of year, PLN billions)

	1997	1998	1999	2000	2001	2002
Banknotes and coins	27.26	30.23	38.08	34.11	38.21	42.19
Transferable deposits	51.98	59.69	73.30	72.34	80.08	94.07
Other						
Narrow money supply (M1) ¹⁾	79.24	89.92	111.38	106.46	118.30	136.27
Memorandum items:						
Broad money supply (M3) ²⁾	179.60	223.91	268.87	300.76	328.43	321.56
Transferable deposits in foreign currencies	nap	nap	nap	nap	nap	nap
Outstanding value on e-money schemes	nap	nap	nap	nap	nap	nap
of which:						
on card-based products	nap	nap	nap	nap	nap	nap
on network-based products	nap	nap	nap	nap	nap	nap

1) With effect from end-March 2002 the NBP harmonised the definition of money and its counterparts with the standards binding upon the Member States of the European System of Central Banks (ESCB). Sectorisation principles of the economic units have also been adjusted. Thus, data for the previous year are recalculated and presented according to new methodology.

2) Broad money supply (M3) consists of: M1 plus deposits with an agreed maturity of up to two years and deposits redeemable at notice of up three months, plus repurchase agreements, money market fund shares/units, money market paper and debt securities with a maturity of up to two years.

Table 3

Settlement media used by banks

(end of year, PLN billions)

	1997	1998	1999	2000	2001	2002
Transferable balances held at central bank	10.54	19.27	9.68	11.33	11.78	13.15
of which:						
required reserves ¹⁾	9.58	18.87	9.07	11.03	11.54	13.10
free reserves	0.96	0.40	0.61	0.30	0.24	0.05
Transferable balances held at other banks	2.83	4.97	3.01	3.99	4.72	6.42
Memorandum item:						
Institutions' borrowing from central bank ²⁾	0.61	0.01	0.00	0.47	0.00	0.00

1) In September 1999 the required reserves ratio was lowered from 20 % (zloty demand deposits) and 11% (zloty time deposits) to 5% for all deposits.

2) Lombard facility, against pledges of Treasury securities - end of year.

Table 4

Banknotes and coins(end of year, total value, PLN millions) ¹⁾

	1997	1998	1999	2000	2001	2002
Total banknotes issued	31,669.2	35,136.0	42,031.5	37,140.1	41,643.5	45,167.0
<i>of which:</i>						
PLN 200	8,365.1	9,971.5	13,305.4	11,311.4	11,602.9	12,666.0
PLN 100	15,524.3	17,349.4	20,019.7	18,917.8	22,988.6	25,236.0
PLN 50	5,700.3	5,747.1	6,739.9	5,009.0	5,145.5	5,340.9
PLN 20	1,068.1	1,091.8	1,034.4	993.5	982.7	1,002.1
PLN 10	1,011.2	976.2	932.1	908.4	923.8	922.0
Total coins issued	927.1	1,015.6	1,144.0	1,229.5	1,298.2	1,393.8
<i>of which:</i>						
silver ²⁾	6.4	9.1	12.3	15.7	21.5	27.9
gold ³⁾	6.3	8.4	11.2	14.8	19.8	22.5
PLN 5	365.9	377.6	409.1	419.8	418.1	433.0
PLN 2	205.5	233.4	271.9	301.4	329.1	361.1
PLN 1	143.9	156.7	175.7	186.3	193.9	206.8
PLN 0.5	76.4	85.7	93.1	98.7	103.4	110.8
PLN 0.2	50.3	58.3	68.1	75.8	82.2	87.7
PLN 0.1	40.9	47.0	54.3	60.6	65.6	70.9
PLN 0.05	17.2	20.8	25.2	28.8	32.4	36.0
PLN 0.02	7.4	9.6	11.8	14.0	16.2	18.5
PLN 0.01	7.0	9.0	11.3	13.6	16.0	18.6
Total banknotes and coins issued	32,596.2	36,151.6	43,175.5	38,369.6	42,941.7	46,560.7
Banknotes and coins held by credit institutions	3,819.3	3,768.2	5,292.5	4,451.4	4,916.7	4,552.3
Banknotes and coins in circulation outside credit institutions	27,255.9	30,225.3	38,082.7	34,112.7	38,212.6	42,192.7

1) Since January 1995 the National Bank of Poland has issued new zlotys (10,000 old = 1 new). Old and new zlotys circulated in parallel for two years. In January 1997 old zlotys were withdrawn from circulation. They can be exchanged for new zlotys until 31 December 2010. As the line "in circulation outside credit institutions" also contains old zlotys, which have still not been exchanged for new zlotys, the total notes and coins issued is not equal to the sum of the last two lines.

2) Silver commemorative coins.

3) Gold commemorative coins.

Table 5

Institutional framework

(end of 2002)

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts (thousands)	Value of accounts (PLN billions)
Central bank	1	39	8.6	2.8	nav
Credit institutions	59	9,903	18,362.2	1,240.3	nav
Co-operative banks	605	2,434	nav	nav	nav
Post Office ¹⁾	1	8,243	nav	nav	nav
Total	666	20,619	18,370.7	1,243.1	94.07
<i>of which:</i>					
virtual institutions	3	nav	579.9	579.9	2.57
Branches of foreign banks ²⁾	1	1	nav	nav	nav
<i>of which:</i>					
EU-based	1	1	nav	nav	nav

1) The Post Office does not hold deposits for customers.

2) Other foreign banks are established and act as independent banks.

Table 6
Payment card functions and accepting devices
(end of year)

	1997	1998	1999	2000	2001	2002
Cash function						
Cards with a cash function (thousands)	1,668.39	3,856.79	8,264.01	11,264.54	14,356.36	16,834.70
Number of networks	14	14	17	18	21	20
Number of ATMs with a cash dispensing function	1,440	2,009	3,949	5,266	6,476	7,145
<i>of which:</i>						
<i>open access</i>	<i>nav</i>	<i>1,510</i>	<i>3,845</i>	<i>5,260</i>	<i>6,459</i>	<i>7,128</i>
<i>limited access</i>	<i>nav</i>	<i>499</i>	<i>104</i>	<i>6</i>	<i>17</i>	<i>17</i>
Volume of transactions (millions)	25.53	53.01	95.78	222.61	290.40	332.96
<i>of which:</i>						
<i>at ATMs with open access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>at ATMs with limited access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (PLN billions)	4.50	7.49	20.78	53.87	69.53	86.56
<i>of which:</i>						
<i>at ATMs with open access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>at ATMs with limited access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of ATMs with a giro transfer function	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	1,207	1,720
<i>volume of transactions (millions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>0.44</i>	<i>0.79</i>
<i>value of transactions (PLN billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>0.08</i>	<i>0.25</i>
Debit function						
Cards with a debit function (thousands)	704.04	3,341.56	7,280.50	9,905.66	12,740.63	15,080.29
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	2	2	3	4	4	5
Number of terminals	4,581	8,855	20,993	44,745	65,609	67,625
Volume of transactions (millions)	2.22	5.09	11.06	31.69	59.26	76.43
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (PLN billions)	0.62	1.03	1.78	5.42	9.44	9.28
<i>of which:</i>						
<i>transactions with retailer cards (PLN billions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Credit function						
Cards with a credit function (thousands)	44.45	100.16	223.94	504.41	889.44	1,209.13
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>8.8</i>	<i>43.62</i>	<i>128.75</i>	<i>288.35</i>	<i>401.60</i>
Number of networks	2	2	3	4	4	5
Number of terminals	38,702	50,313	72,265	88,175	112,897	112,021
Volume of transactions (millions)	0.44	2.10	6.65	13.47	18.82	34.93
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>nav</i>	<i>0.10</i>	<i>1.35</i>	<i>4.10</i>	<i>6.98</i>	<i>9.94</i>
Value of transactions (PLN billions)	0.08	0.54	1.79	3.06	3.52	5.53
<i>of which:</i>						
<i>transactions with retailer cards (PLN billions)</i>	<i>nav</i>	<i>0.02</i>	<i>0.47</i>	<i>1.21</i>	<i>1.48</i>	<i>1.47</i>
Electronic money function						
Cards with an e-money function (thousands)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of accepting terminals	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

Number of purchase transactions (millions)	nap	nap	nap	nap	nap	nap
Value of purchase transactions (PLN billions)	nap	nap	nap	nap	nap	nap
Number of loading transactions (millions)	nap	nap	nap	nap	nap	nap
Number of loading terminals	nap	nap	nap	nap	nap	nap
Value of money loaded (PLN billions)	nap	nap	nap	nap	nap	nap
Float (PLN billions)	nap	nap	nap	nap	nap	nap
Delayed debit cards (charge cards)						
Cards with a delayed debit function (thousands)	317.97	442.72	829.22	1,009.81	1,047.09	1,028.58
Number of terminals	38,702	50,313	72,265	88,175	112,897	112,021
Volume of transactions (millions)	2.43	4.67	9.60	13.40	17.38	16.66
Value of transactions (PLN billions)	0.66	1.08	2.12	2.47	2.36	3.38
<i>Memorandum item:</i>						
Total number of cards in circulation (thousands)	1,668.39	3,884.43	8,333.66	11,419.86	14,677.15	16,916.40
<i>of which:</i>						
<i>cards with a combined debit and cash function (thousands)</i>	<i>704.04</i>	<i>3,341.56</i>	<i>7,280.50</i>	<i>9,905.66</i>	<i>12,740.63</i>	<i>15,080.29</i>
<i>cards with a cheque guarantee function (thousands)</i>	<i>378.08</i>	<i>665.90</i>	<i>2,101.28</i>	<i>2,672.61</i>	<i>3,104.21</i>	<i>0.00</i>

Table 7

**Payment instructions handled by selected interbank funds transfer systems:
volume of transactions
(millions)**

	1997	1998	1999	2000	2001	2002
SORBNET (RTGS)						
Credit transfers	0.45	0.49	0.46	0.52	0.54	0.48
Systems of KIR:	202.60	257.39	334.66	435.96	517.37	511.66
ELIXIR	13.73	39.99	130.35	189.37	271.29	384.25
Credit transfers	13.73	39.98	130.31	189.37	269.51	381.50
Debit instruments	nap	neg	0.04	0.25	1.78	2.75
<i>of which:</i>						
<i>direct debits</i>	<i>nap</i>	<i>neg</i>	<i>0.04</i>	<i>0.25</i>	<i>0.96</i>	<i>2.26</i>
<i>cheques</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>0.82</i>	<i>0.50</i>
SYBIR	188.87	217.40	204.31	246.58	246.08	127.41
Credit transfers	182.59	210.11	197.32	238.53	242.06	125.60
Cheques	6.28	7.29	6.99	8.06	4.02	1.81
Concentration ratio						
SORBNET (RTGS)	25.7%	24.3%	25.5%	28.5%	30.5%	34.5%
ELIXIR	65.5%	53.1%	52.6%	51.4%	49.2%	53.0%
SYBIR	41.3%	41.5%	50.1%	54.5%	63.5%	74.3%

Table 8

**Payment instructions handled by selected interbank funds transfer systems:
value of transactions
(PLN billions)**

	1997	1998	1999	2000	2001	2002
SORBNET (RTGS)						
Credit transfers	3,014.45	4,895.65	6,551.37	9,805.93	13,496.92	16,083.57
Systems of KIR:	1,380.63	2,015.69	3,022.68	3,839.09	4,561.07	4,752.89
ELIXIR	413.19	1,177.61	2,398.04	3,359.31	4,256.45	4,573.46
Credit transfers	413.19	1,177.58	2,397.69	3,357.47	4,253.17	4,569.14
Debit instruments	nap	0.03	0.35	1.84	3.28	4.32
<i>of which:</i>						
<i>direct debits</i>	<i>nap</i>	<i>0.03</i>	<i>0.35</i>	<i>1.84</i>	<i>nav</i>	<i>3.81</i>
<i>cheques</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nav</i>	<i>0.51</i>
SYBIR	967.44	838.09	624.64	479.78	304.62	179.43

Credit transfers	950.45	818.65	599.36	459.34	284.66	157.29
Cheques	16.98	19.44	25.28	20.44	19.96	22.14
Concentration ratio						
SORBNET (RTGS)	30.8%	35.5%	34.1%	40.9%	47.0%	49.6%
ELIXIR	52.1%	47.0%	53.0%	54.2%	56.8%	61.9%
SYBIR	42.4%	46.3%	55.3%	59.0%	67.8%	78.8%

Table 9

Indicators of the use of various cashless payment instruments: volume of transactions ¹⁾
(millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	6.28	7.29	6.99	8.06	4.84	2.31
<i>of which:</i>						
face-to-face	6.28	7.29	6.99	8.06	4.84	2.31
via PC or other terminal	nap	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by debit card	2.22	5.09	11.06	31.69	59.26	76.43
<i>of which:</i>						
face-to-face	2.22	5.09	11.06	31.69	59.26	76.43
via PC or other terminal	nap	nap	nap	nap	nap	nav
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by credit card ²⁾	2.87	6.77	16.25	26.87	36.20	51.59
<i>of which:</i>						
face-to-face	2.87	6.77	16.25	26.87	36.16	51.45
via PC or other terminal	nav	nav	nav	nav	0.04	0.13
telebanking	nav	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav	nav
Credit transfers	196.32	250.09	327.63	427.90	511.57	507.10
<i>of which:</i>						
face-to-face	195.31	224.35	272.18	348.11	443.94	377.42
via PC or other terminal	1.01	25.70	55.38	79.65	67.18	125.96
telebanking	0.01	0.04	0.07	0.14	0.46	3.73
via mobile phone	nap	nap	nap	neg	0.02	0.09
Direct debits	nap	neg	0.04	0.25	0.96	2.26
<i>of which:</i>						
face-to-face	nap	nav	neg	0.01	0.01	0.02
via PC or other terminal	nap	nav	0.04	0.25	0.95	2.24
telebanking	nap	nav	nav	nav	nav	nav
via mobile phone	nap	nav	nav	nav	nav	nav
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Other ³⁾	130.50	126.79	121.40	112.68	107.11	101.90
Total	338.20	396.04	483.37	607.44	719.94	741.58

1) Includes items initiated by banks in the SYBIR and ELIXIR systems (retail). SORBNET (RTGS) is not included.

2) Also includes charge cards.

3) Postal instruments: postal transfers (between individuals who do not have bank accounts) and pension and disability allowance payments.

Table 10

Indicators of the use of various cashless payment instruments: value of transactions ¹⁾
(PLN billions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	16.98	19.44	25.28	20.44	20.20	22.65
<i>of which:</i>						
face-to-face	16.98	19.44	25.28	20.44	20.20	22.65
via PC or other terminal	nap	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap

Payments by debit card	0.62	1.03	1.78	5.42	9.44	9.28
of which:						
face-to-face	0.62	1.03	1.78	5.42	9.44	9.28
via PC or other terminal	nap	nap	nap	nap	nap	nav
teleshopping	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by credit card ²⁾	0.74	1.62	3.92	5.53	5.89	8.91
of which:						
face-to-face	0.74	1.62	3.92	5.53	5.88	8.88
via PC or other terminal	nav	nav	nav	nav	0.01	0.03
teleshopping	nav	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav	nav
Credit transfers	1,363.64	1,996.26	2,997.40	3,816.81	4,537.83	4,726.43
of which:						
face-to-face	1,344.29	1,951.61	2,699.47	3,203.24	3,827.44	3,429.51
via PC or other terminal	19.21	43.76	295.17	609.80	706.67	1,288.34
teleshopping	0.14	0.89	2.76	3.77	3.69	8.46
via mobile phone	nap	nap	nap	neg	0.03	0.12
Direct debits	nap	0.03	0.35	1.84	3.04	3.81
of which:						
face-to-face	nap	nav	0.01	0.08	0.10	0.30
via PC or other terminal	nap	nav	0.34	1.77	2.94	3.51
teleshopping	nap	nav	nav	nav	neg	neg
via mobile phone	nap	nav	nav	nav	nav	nav
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Other ³⁾	nav	63.92	67.33	66.94	70.30	69.17
Total	1,381.98	2,082.29	3,096.05	3,916.99	4,646.70	4,840.24

1) Includes items initiated by banks in the SYBIR and ELIXIR systems (retail). SORBNET (RTGS) is not included.

2) Also includes charge cards.

3) Postal instruments: postal transfers (between individuals who do not have bank accounts) and pension and disability allowance payments.

Table 11a

Instructions handled by trading platforms, clearing houses and securities settlement systems:
volume of transactions
(thousands)

	1997	1998	1999	2000	2001	2002
Trading platforms						
Stock exchange transactions	4,109	3,580	3,226	4,434	4,519	3,975
of which:						
shares	3,512	3,233	2,980	3,736	3,128	2,829
Treasury bonds	309	151	136	134	131	82
mass privatisation programme certificates	284	175	nap	nap	nap	nap
futures contracts	nap	16	90	541	1,238	1,053
warrants	nap	1	5	19	7	3
other	4	4	15	4	15	8
CeTO market transactions	1.69	18.80	37.47	28.54	4.30	2.36
of which:						
shares	1.64	12.08	18.94	23.40	4.25	2.29
Treasury bonds	nap	5.84	9.53	2.56	nap	nap
warrants	nap	0.86	8.95	2.55	nap	nap
other	0.05	0.02	0.04	0.04	0.05	0.06
Electronic Treasury Securities Market ¹⁾	nap	nap	nap	nap	nap	8.02
of which:						
Treasury bonds	nap	nap	nap	nap	nap	8.02
Treasury bills	nap	nap	nap	nap	nap	0.01

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Transactions outside the regulated market ²⁾	3.12	11.34	17.92	30.77	53.90	82.08
<i>of which:</i>						
<i>shares</i>	2.02	0.17	0.76	0.19	0.73	0.10
<i>Treasury bonds</i>	1.10	11.16	17.16	30.58	53.16	81.94
<i>other</i>	neg	0.01	nap	neg	0.01	0.04
Clearing houses						
KDPW-IRIP ³⁾						
<i>futures contracts</i>	nap	16.16	91.46	546.10	1,244.93	1,062.20
Securities settlement systems						
KDPW- SSS	4,821.87	4,463.55	5,186.61	4,975.85	3,805.18	3,176.05
<i>of which:</i>						
<i>shares</i>	4,146.64	4,056.23	4,939.88	4,750.20	3,564.37	2,968.06
<i>Treasury bonds</i>	347.83	202.62	198.63	189.32	209.22	192.89
<i>warrants</i>	nap	2.08	14.67	22.73	9.69	4.53
<i>mass privatisation programme certificates</i>	301.01	186.00	0.46	nap	nap	nap
<i>other</i>	26.39	16.62	32.96	13.60	21.91	10.57
SKARBNET	80.75	88.40	102.25	94.23	77.86	84.04
<i>Treasury bills</i>	80.75	88.40	102.25	94.23	77.86	84.04
SEBOP	5.92	7.35	8.07	9.25	5.13	2.51
<i>National Bank of Poland bills</i>	5.92	7.35	8.07	9.25	5.13	2.51

1) Since 26 April 2002.

2) Since 2001 repos, sell/buy-back transactions and transactions concluded as part of the NBP's monetary policy.

3) KDPW-IRIP - The Derivatives Clearing House, established as a part of KDPW, deals with derivatives clearing and is responsible for managing the Financial Safeguard System for the derivatives market.

Table 11b

**Instructions handled by trading platforms, clearing houses and securities settlement systems:
market value of transactions**

(PLN billions)

	1997	1998	1999	2000	2001	2002
Trading platforms						
Stock exchange transactions	36.82	36.72	50.25	116.28	92.93	74.54
<i>of which:</i>						
<i>shares</i>	26.17	31.17	44.48	84.55	40.22	33.74
<i>Treasury bonds</i>	6.74	3.86	2.38	2.29	2.56	2.06
<i>mass privatisation programme certificates</i>	3.89	1.36	nap	nap	nap	nap
<i>futures contracts</i>	nap	0.30	3.18	29.31	49.32	38.67
<i>warrants</i>	nap	neg	0.01	0.04	0.01	0.00
<i>other</i>	0.02	0.03	0.20	0.09	0.82	0.06
CeTO market transactions	0.02	1.20	0.40	0.28	0.15	0.32
<i>of which:</i>						
<i>shares</i>	0.01	0.10	0.16	0.22	0.05	0.05
<i>Treasury bonds</i>	nap	1.10	0.22	0.05	nap	nap
<i>warrants</i>	nap	neg	0.02	0.01	nap	nap
<i>other</i>	0.01	neg	neg	neg	0.10	0.27
<i>Electronic Treasury Securities Market ¹⁾</i>	nap	nap	nap	nap	nap	48.98
<i>of which:</i>						
<i>Treasury bonds</i>	nap	nap	nap	nap	nap	48.85
<i>Treasury bills</i>	nap	nap	nap	nap	nap	0.13
Transactions outside the regulated market ²⁾	13.79	89.65	87.74	162.54	423.89	921.63
<i>of which:</i>						
<i>shares</i>	1.62	0.50	2.59	1.44	0.02	0.01
<i>Treasury bonds</i>	12.17	89.15	85.14	161.02	423.78	919.33
<i>other</i>	neg	neg	nap	0.08	0.10	2.29
Clearing houses						
KDPW-IRIP ³⁾						
<i>futures contracts</i>	nap	0.30	3.30	29.63	49.49	39.02

Securities settlement systems						
KDPW-SSS	83.25	176.45	195.46	372.71	590.87	1,134.85
<i>of which:</i>						
<i>shares</i>	47.88	59.06	85.90	156.06	82.43	73.36
<i>Treasury bonds</i>	30.11	114.58	105.85	186.60	457.20	1,018.78
<i>warrants</i>	nap	neg	0.02	0.05	0.01	neg
<i>mass privatisation programme certificates</i>	5.22	2.42	0.00	nap	nap	nap
<i>other</i>	0.04	0.09	0.38	0.37	1.74	3.69
SKARBNET	378.95	411.85	463.69	519.40	601.63	1,170.41
Treasury bills	378.95	411.85	463.69	519.40	601.63	1,170.41
SEBOP	122.10	610.88	753.41	810.57	547.74	360.17
National Bank of Poland bills	122.10	610.88	753.41	810.57	547.74	360.17

1) Since 26 April 2002.

2) Since 2001 repos, sell/buy-back transactions and transactions concluded as part of the NBP's monetary policy.

3) KDPW-IRIP - The Derivatives Clearing House, established as a part of KDPW, deals with derivatives clearing and is responsible for managing the Financial Safeguard System for the derivatives market.

Table 11c
Number of participants in trading platforms, clearing houses and securities settlement systems

	1997	1998	1999	2000	2001	2002
Trading systems						
Warsaw Stock Exchange	37	35	36	38	28	24
Banks	15	27	8	nav	nav	nav
Brokers/dealers	22	8	28	nav	nav	nav
Central Quotation Table	17	20	20	20	17	13
Banks	11	10	7	6	3	3
Brokers/dealers	6	10	13	14	14	10
Electronic Treasury Securities Market ¹⁾	nap	nap	nap	nap	nap	16
Banks	nap	nap	nap	nap	nap	16
Securities settlement systems						
KDPW	75	75	80	79	72	66
Banks	45	44	47	44	42	40
Brokerage houses	27	28	30	32	27	23
Insurance companies	1	1	1	1	1	1
Other	2	2	2	2	2	2
SKARBNET	76	75	68	65	63	60
Banks	67	67	62	60	58	56
Insurance companies	1	1	1	1	1	1
Other	8	7	5	4	4	3
SEBOP	48	48	44	44	38	36
Banks	47	47	43	43	37	35
Other	1	1	1	1	1	1

1) Since 26 April 2002

Table 11d
Outstanding securities
(end of year)

	1997	1998	1999	2000	2001	2002
KDPW						
Value of securities registered/issued (PLN billions)						
Stock exchange						
Shares	38.17	63.80	109.97	120.89	96.46	104.93
Treasury bonds	27.36	44.05	53.08	74.19	98.84	148.64
Other securities	1.35	0.39	0.05	0.28	1.45	1.47
OTC market						
Shares	0.13	0.38	0.33	0.28	0.19	0.22
Treasury bonds	nap	3.33	1.69	nap	nap	nap
Other securities	0.01	0.03	0.03	0.05	0.28	0.67

POLAND

Number of securities registered/issued

Stock exchange						
Shares	143	198	221	225	230	216
Treasury bonds	47	45	49	47	51	56
Other securities	1	7	30	79	86	100
OTC market						
Shares	13	24	25	21	21	20
Treasury bonds	nap	2	2	nap	nap	nap
Other securities	1	8	11	4	4	8
SKARBNET						
Value of Treasury bills issued (PLN billions)	51.99	41.37	45.46	46.25	48.54	48.02
Number of Treasury bills issued	50	50	50	50	50	50
Value of Treasury bills registered (PLN billions)	32.26	28.91	26.98	23.44	35.22	42.03
Number of Treasury bills registered	50	50	50	50	50	50
SEBOP						
Value of National Bank of Poland bills issued (PLN billions)	39.56	243.02	300.71	278.22	187.72	135.52
Number of National Bank of Poland bills issued	120	164	168	111	79	60
Value of National Bank of Poland bills registered (PLN billions)	14.37	28.58	11.13	20.48	14.27	7.25
Number of National Bank of Poland bills registered	23	11	4	7	7	4

Table 11e

Netting ratio in clearing systems

	1997	1998	1999	2000	2001	2002
KDPW						
Netting ratio for cash over year	nap	55% ¹⁾	60%	78%	79%	77%
Netting ratio for securities over year	nap	nap	nap	nap	nap	nap

1) Since 26 May 1998.

Table 12

Participation in SWIFT by domestic institutions

	1997	1998	1999	2000	2001	2002
Members	38	36	23	24	24	24
<i>of which live</i>	37	36	23	24	24	21
Sub-members	10	10	8	11	14	12
<i>of which live</i>	10	10	8	11	11	12
Participants	2	3	14	13	13	13
<i>of which live</i>	2	2	11	13	13	13
Total users	50	49	45	48	51	49
<i>of which live</i>	49	48	42	48	48	46
<i>Memorandum items:</i>						
Total SWIFT users	6,372	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>						
<i>members</i>	3,070	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,621	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	681	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1997	1998	1999	2000	2001	2002
Total messages sent	4,331,308	5,179,797	5,926,206	6,625,274	8,172,400	8,276,424
<i>of which:</i>						
<i>category I</i>	1,977,735	2,124,543	2,365,591	2,581,666	2,804,623	3,043,240
<i>category II</i>	1,077,815	1,257,844	1,232,807	1,346,111	1,516,247	1,587,599
Total messages received	3,922,272	4,312,496	4,788,718	5,542,536	6,469,943	6,836,823
<i>of which:</i>						
<i>category I</i>	1,886,103	2,013,212	2,270,438	2,600,684	2,992,756	3,325,493
<i>category II</i>	162,083	212,131	275,697	464,179	600,845	627,983
Domestic traffic	947,321	981,128	1,006,125	1,080,306	1,182,418	1,284,865
<i>Memorandum item:</i>						
Global SWIFT traffic ¹⁾	812,117,556	941,235,088	1,076,490,597	1,298,668,103	1,533,906,047	1,817,443,994

1) In January 2000 changes were made to the reporting methodology, resulting in a 2% increase in global SWIFT traffic.

Table 1

Basic statistical data

	1997	1998	1999	2000	2001	2002
Population ¹⁾ (thousands)	22,546.0	22,503.0	22,458.0	22,435.0	22,408.0	22,363.2
GDP (ROL billions)	252,925.7	373,798.2	545,730.3	800,308.1	1,154,126.4	1,507,450.6
GDP per capita (ROL)	11,218,207.2	16,611,038.5	24,300,040.1	35,672,302.2	51,505,105.3	67,407,642.9
Exchange rate (domestic currency vis-à-vis ECU/EUR)						
<i>end of year</i>	8,848.5	12,340.8	18,344.9	21,142.0	27,817.0	34,251.4
<i>average</i>	8,110.4	9,967.1	16,345.2	19,921.8	26,004.0	31,248.3

1) Average for the year.

Table 2

Settlement media used by non-banks

(end of year, ROL billions)

	1997	1998	1999	2000	2001	2002
Banknotes and coins	9,200.10	11,525.00	17,371.60	25,741.00	35,635.30	45,577.30
Transferable deposits	9,531.10	10,584.70	12,297.30	20,589.40	28,673.30	42,726.30
Narrow money supply (M1)	18,731.20	22,109.70	29,668.90	46,330.40	64,308.60	88,303.60
<i>Memorandum items:</i>						
Broad money supply	62,150.40	92,529.90	134,122.50	185,060.00	270,511.10	373,711.50
Transferable deposits in foreign currencies	9,439.00	11,817.20	22,576.40	27,831.20	38,240.10	49,462.80
Outstanding value on e-money schemes	nap	nap	nap	nap	nap	nap
<i>of which:</i>						
<i>on card-based products</i>	nap	nap	nap	nap	nap	nap
<i>on network-based products</i>	nap	nap	nap	nap	nap	nap

Table 3

Settlement media used by banks

(december average, ROL billions)

	1998	1999	2000	2001	2002	
Transferable balances held at central bank	2,789.80	6,560.00	17,027.00	23,888.50	28,214.00	29,101.00
<i>of which:</i>						
<i>required reserves¹⁾</i>	2,770.70	6,560.00	16,837.00	23,573.50	27,734.00	30,759.00
<i>free reserves</i>	19.10	0.00	190.00	315.00	480.00	-1,658.00
Transferable balances held at other banks ²⁾	nap	nap	nap	nap	nap	nap
<i>Memorandum item:</i>						
Institutions' borrowing from central bank	nap	nap	nap	nap	nap	nap

1) As of August 2002 the maintenance period for required reserves has been from the 24th day of the current month to the 23rd day of the following month.

2) Correspondent accounts in ROL between banks were disallowed as from 1995

Table 4

Banknotes and coins

(end of year, total value, ROL billions)

	1997	1998	1999	2000	2001	2,002.00
Total banknotes issued	9,583.9	12,258.7	18,583.1	27,973.7	39,736.3	45,384.60
<i>of which:</i>						
<i>ROL 500,000</i>	nap	nap	nap	4,577.5	15,101.8	21,471.7
<i>ROL 100,000</i>	nap	3,484.6	8,219.5	11,826.5	13,513.3	14,298.6
<i>ROL 50,000</i>	5,314.9	5,704.0	6,408.0	9,034.5	8,303.7	7,908.2
<i>ROL 10,000</i>	3,186.5	2,458.3	3,240.5	1,448.1	2,108.2	1,621.2
<i>ROL 5,000</i>	915.9	459.4	550.2	810.7	572.1	neg

ROL 2,000	nap	nap	9.7	89.9	87.6	84.9
ROL 1,000	84.3	79.2	150.8	186.5	49.6	neg
ROL 500	82.3	73.2	4.4	nap	nap	neg
Total coins issued	46.6	47.1	93.1	135.0	274.1	608.2
of which:						
ROL 5,000	nap	nap	nap	nap	7.6	326.8
ROL 1,000	nap	nap	nap	6.5	126.5	154.1
ROL 500	nap	nap	46.0	81.3	92.8	80.7
ROL 100	32.2	32.7	32.7	32.7	32.7	32.3
ROL 50	9.4	9.4	9.4	9.4	9.4	9.4
ROL 20	2.8	2.8	2.8	2.8	2.8	2.7
ROL 10	1.4	1.4	1.4	1.5	1.5	1.4
ROL 5	0.7	0.7	0.7	0.7	0.7	0.7
ROL 3	neg	neg	neg	neg	neg	neg
ROL 1	0.1	0.1	0.1	0.1	0.1	0.1
Fractional coins	neg	neg	neg	neg	neg	neg
Total banknotes and coins issued	9,626.9	12,296.7	18,645.6	28,064.6	39,955.3	45,992.8
Banknotes and coins held by credit institutions	426.8	771.7	1,274.0	2,322.9	4,320.0	415.5
Banknotes and coins in circulation outside credit institutions	9,200.1	11,525.0	17,371.6	25,741.7	35,635.3	45,577.3

Table 5

Institutional framework

(end of 2002)

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (ROL billions)
Central bank	1	22	nap	nap	nap
Credit institutions	44	2,253	8,113.39	1,543.87	42,726.30
Postal institution ¹⁾	1	7,132	nap	nap	nap
Total	46	9,407	8,113.39	1,543.87	42,726.30
of which:					
virtual institutions	nap		nap	nap	nap
Branches of foreign banks	8	21	24.00	188.00	1,263.59
of which:					
EU-based	7	20	14.00	188.00	483.97

1) It does not hold deposit or sight accounts for customers

Table 6

Payment card functions and accepting devices

(end of year)

	1997	1998	1999	2000	2001	2002
Cash function¹⁾						
Cards with a cash function (thousands)	36.64	137.50	384.97	1,085.68	2,263.81	3,355.72
Number of networks	2	3	4	6	10	11
Number of ATMs with a cash dispensing function	79	186	472	747	1,283	2,093
of which:						
open access	79	186	472	747	1,283	2,093
limited access	nap	nap	nap	nap	nap	nap
Volume of transactions (millions)	0.29	1.81	5.21	15.91	34.86	1,486.85
of which:						
at ATMs with open access	0.29	1.81	5.21	15.91	34.86	1,486.85
at ATMs with limited access	nap	nap	nap	nap	nap	nap

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Value of transactions (ROL billions)	52.89	517.75	1,420.13	10,185.27	32,624.14	82,622.22
<i>of which:</i>						
<i>at ATMs with open access</i>	52.89	517.75	1,420.13	10,185.27	32,624.14	82,622.22
<i>at ATMs with limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of ATMs with a giro transfer function	<i>nap</i>	<i>nap</i>	<i>nap</i>	358	694	1,473
<i>Volume of transactions (millions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nav</i>	<i>nav</i>	0.31
<i>Value of transactions (ROL billions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nav</i>	<i>nav</i>	175.55
Debit function^{2) 3)}						
Cards with a debit function (thousands)	36.64	137.50	383.26	1,039.82	2,082.00	3,363.02
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	2	3	3	6	10	9
Number of terminals	49	193	451	1,312	2,422	4,975
Volume of transactions (millions)	0.05	0.14	0.18	0.26	0.53	85.61
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (ROL billions)	76.91	200.63	326.12	501.68	887.95	4,123.94
<i>of which:</i>						
<i>transactions with retailer cards (ROL billions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Credit function						
Cards with a credit function (thousands)	<i>nap</i>	<i>nap</i>	2	48.60	156.43	235.47
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	2	3	3	6	10	9
Number of terminals	49	193	451	1,312	2,422	4,124
Volume of transactions (millions)	<i>nap</i>	<i>nap</i>	0.002	0.02	0.12	0.85
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (ROL billions)	<i>nap</i>	<i>nap</i>	1.02	27.91	183.68	1,230.68
<i>of which:</i>						
<i>transactions with retailer cards (ROL billions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Electronic money function						
Cards with an e-money function (thousands)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of accepting terminals	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of purchase transactions (millions)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of purchase transactions (ROL billions)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of loading transactions (millions)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of loading terminals	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of money loaded (ROL billions)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Float (ROL billions)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Delayed debit cards (charge cards)						
Cards with a delayed debit function (thousands)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	2.39
Number of terminals	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

Volume of transactions (millions)	nap	nap	nap	nap	nap	0.05
Value of transactions (ROL billions)	nap	nap	nap	nap	nap	320.14
<i>Memorandum item:</i>						
Total number of cards in circulation (thousands)	36.64	137.50	385.05	1,088.40	2,241.17	3,363.41
<i>of which:</i>						
<i>cards with a combined debit, cash and credit function (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>cards with a cheque guarantee function (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

1) There are no cards for cash only. Both credit and debit cards are used merely for withdrawals at ATMs.

2) See note 1). Also are very attractive due to overdraft facility.

3) All public institutions use debit cards for salaries.

Table 7

Payment instructions handled by selected interbank funds transfer systems:

volume of transactions

(millions)

	1997	1998	1999	2000	2001 ¹⁾	2002
National Payment System	11.67	12.21	12.44	14.19	16.51	19.66
Net settlement subsystem	11.60	12.08	12.23	13.93	16.21	19.25
<i>of which:</i>						
<i>Credit transfers</i>	8.50	8.77	8.44	9.32	10.80	13.00
<i>Cheques</i>	2.35	2.48	2.55	3.00	3.42	3.76
<i>Bills of exchange and promissory notes</i>	0.01	0.13	0.49	0.82	1.17	1.61
<i>Cash operation</i>	0.07	0.08	0.07	0.05	0.05	0.04
<i>State Treasury payment orders</i>	0.67	0.62	0.69	0.75	0.77	0.84
Gross settlement subsystem	0.06	0.12	0.19	0.25	0.30	0.40
<i>Credit transfers</i>	0.06	0.12	0.19	0.25	0.30	0.40
<i>of which:</i>						
<i>Interbank customer initiated large value transfers</i>	0.02	0.02	0.04	0.10	0.11	0.17
<i>State Treasury large-value payments and collections</i>	<i>nap</i>	0.02	0.06	0.08	0.10	0.14
<i>Interbank transactions</i>	0.04	0.08	0.09	0.07	0.08	0.09
Special settlement regime²⁾	0.01	0.01	0.01	0.01	0.01	0.01
<i>Credit transfers</i>	0.01	0.01	0.01	0.01	0.01	0.01
Concentration ratio (overall National Payment System)	nav	nav	nav	nav	67.16%	64.02%

1) On 1 May, 2001 the interbank payment system was taken over by TransFonD S.A.

2) Only final settlement of clearing houses and other current account holders.

Table 8

Payment instructions handled by selected interbank funds transfer systems:

value of transactions

(ROL billions)

	1997	1998	1999	2000	2001 ¹⁾	2002
National Payment System	886,686.07	1,102,066.33	1,571,125.65	2,139,084.04	3,258,293.48	4,910,440.03
Net settlement subsystem	295,607.00	375,437.76	493,627.89	683,853.28	927,659.18	1,201,889.07
<i>of which:</i>						
<i>Credit transfers</i>	92,650.00	127,185.31	183,877.52	274,595.00	371,711.40	495,914.77
<i>Cheques</i>	14,368.00	22,851.42	35,885.09	58,355.00	93,018.59	131,171.78
<i>Bills of exchange and promissory no</i>	299.00	2,806.59	10,471.01	18,430.00	30,840.53	51,202.88

ROMANIA

Cash operation	55,580.00	84,095.44	105,645.97	120,622.28	158,955.39	189,735.90
State Treasury payment orders	132,710.00	138,499.00	157,748.30	211,851.00	273,133.27	333,863.74
Gross settlement subsystem	590,267.00	725,838.47	1,075,827.96	1,452,181.76	2,325,036.14	3,699,822.76
Credit transfers	590,267.00	725,838.47	1,075,827.96	1,452,181.76	2,325,036.14	3,699,822.76
of which:						
Interbank customer initiated large value transfers	26,499.00	33,783.58	66,204.84	160,433.00	214,925.23	343,105.10
State Treasury large-value payments and collections	nap	51,308.83	143,448.15	198,984.17	310,777.88	442,114.47
Interbank transactions	563,768.00	640,746.06	866,174.96	1,092,764.59	1,799,333.03	2,914,603.19
Special settlement regime²⁾	812.07	790.10	1,669.80	3,049.00	5,598.17	8,728.20
Credit transfers	812.07	790.10	1,669.80	3,049.00	5,598.17	8,728.20
Concentration ratio (overall National Payment System)	nav	nav	nav	nav	63.67%	53.67%

1) On 1 May, 2001 the interbank payment system was taken over by TransFonD S.A.

2) Only final settlement of clearing houses and other current account holders.

Table 9

**Indicators of the use of various cashless payment instruments:
volume of transactions
(millions)**

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	5.44	5.74	5.35	7.66	13.01	9.59
of which:						
face-to-face	5.44	5.74	5.35	7.66	13.01	9.59
via PC or other terminal	nap	nap	nap	nap	nap	nap
teleshopping	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by debit card	0.05	0.14	0.18	0.26	0.53	85.61
of which:						
face-to-face	0.05	0.14	0.18	0.26	0.53	85.61
via PC or other terminal	nap	nap	nap	nap	nap	nap
teleshopping	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by credit card	nap	nap	0.002	0.02	0.12	0.85
of which:						
face-to-face	nap	nap	0.002	0.02	0.12	0.85
via PC or other terminal	nap	nap	nap	nap	nap	nap
teleshopping	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Credit transfers	19.69	20.82	30.54	36.24	46.77	42.50
of which:						
face-to-face	19.69	20.82	28.77	33.34	42.80	40.12
via PC or other terminal	nap	nap	0.0003	0.0013	0.02	0.50
teleshopping	nap	nap	1.77	2.90	3.95	1.88
via mobile phone	nap	nap	0.00	0.00	0.00	0.00
Direct debits	nav	nav	0.09	0.14	0.19	0.18
of which:						
face-to-face	nav	nav	0.09	0.14	0.18	0.18
via PC or other terminal	nap	nap	nap	nap	nap	nap
teleshopping	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Card-based electronic money	nap	nap	nap	nap	nap	nap
Network-based electronic money	nap	nap	nap	nap	nap	nap
Total	25.18	26.70	36.16	44.32	60.62	138.73

Table 10

**Indicators of the use of various cashless payment instruments:
value of transactions**
(ROL billions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques ¹⁾	40,788.00	67,501.24	105,204.70	158,707.77	246,553.01	298,822.50
<i>of which:</i>						
face-to-face	40,788.00	67,501.24	105,204.70	158,707.77	246,553.01	298,822.50
via PC or other terminal	nap	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by debit card	76.91	200.63	326.12	501.68	887.95	4,123.94
<i>of which:</i>						
face-to-face	76.91	200.63	326.12	501.68	887.95	4,123.94
via PC or other terminal	nap	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by credit card	nap	nap	1.02	27.91	183.68	1,230.68
<i>of which:</i>						
face-to-face	nap	nap	1.02	27.91	183.68	1,230.68
via PC or other terminal	nap	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Credit transfers	856,031.00	1,409,175.08	1,770,008.10	2,447,469.16	3,926,039.14	6,766,319.86
<i>of which:</i>						
face-to-face	856,031.00	1,409,175.08	1,706,175.78	2,300,889.64	3,655,803.70	6,493,554.95
via PC or other terminal	nap	nap	56.34	11.70	567.62	9,227.16
telebanking	nap	nap	63,775.98	146,567.82	269,667.82	263,536.75
via mobile phone	nap	nap	nap	nap	nap	1.00
Direct debits	nav	nav	neg	neg	neg	2,387.22
<i>of which:</i>						
face-to-face	nav	nav	neg	neg	neg	2,387.22
via PC or other terminal	nap	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Card-based electronic money	nap	nap	nap	nap	nap	nap
Network-based electronic money	nap	nap	nap	nap	nap	nap
Total	896,895.91	1,476,876.95	1,875,539.94	2,606,706.53	4,173,663.78	7,072,884.20

Table 11a

**Instructions handled by trading platforms, clearing houses and securities settlement systems:
volume of transactions**

	1997	1998	1999	2000	2001	2002
BVB	609,651	986,804,827	1,057,558,616	1,806,587,265	2,277,454,062	4,085,182,339
Securities						
<i>of which</i>						
Shares ¹⁾	609,651	986,804,827	1,057,558,616	1,806,587,265	2,277,454,017	4,085,123,289
Bonds	nap	nap	nap	nap	45	59,050
SNCDD*	260,573	345,677	135,470	75,185	43,458	36,754
Shares	260,573	345,677	135,470	75,182	43,458	36,754
Deposit certificates	nap	nap	nap	3	nap	nap
RASDAQ**	nap	542,026	272,276	140,506	87,119	66,637
Shares	nap	542,026	272,276	140,498	87,119	66,637
Deposit certificates	nap	nap	nap	8	nap	nap
BNR government securities system²⁾	82	597	6,246	19,761	28,421	32,365
Government securities	82	597	6,235	19,572	27,849	32,365

1) Figures are both for listed and unlisted markets.

2) The issues denominated in foreign currencies are not included

Table 11b

**Instructions handled by trading platforms, clearing houses and securities settlement systems:
market value of transactions**
(ROL billions)

	1997	1998	1999	2000	2001	2002
BVB	1,946.00	1,846.00	1,389.00	1,843.00	3,813.01	7,105.83
Securities						
of which						
Shares	1,946.00	1,846.00	1,389.00	1,843.00	3,813.00	7,098.00
Bonds	nap	nap	nap	nap	0.005	7.83
SNCDD *	1,606.73	1,469.52	1,521.65	1,786.24	1,502.41	3,047.14
Shares	1,606.73	1,469.52	1,521.65	1,786.23	1,502.41	3,047.14
Deposit certificates	nap	nap	nap	0.01	nap	nap
RASDAQ **	nap	3,790.02	3,620.79	3,066.13	2,718.38	4,214.44
Shares	nap	3,790.02	3,620.79	3,063.35	2,718.38	4,214.44
Deposit certificates	nap	nap	nap	2.78	nap	nap
BNR government securities system	8,251.53	16,096.44	105,396.97	278,508.72	433,488.78	474,447.83
Government securities ¹⁾	8251.53	16,096.44	105,396.97	278,508.72	433,488.78	474,447.83

1) The issues denominated in foreign currencies are not included

Table 11c

Number of participants in trading platforms, clearing houses and securities settlement systems
(end of year)

	1997	1998	1999	2000	2001	2002
BVB	131	198	168	143	133	99
Banks	16	23	19	18	18	18
Stockbrokers	115	170	142	118	110	75
Others (Custodian Banks)	nap	5	7	7	5	6
SNCDD *	142	182	141	105	89	72
Banks	10	12	7	7	5	6
Stockbrokers	132	170	134	98	84	66
RASDAQ **	nap	nap	nap	134	84	66
Banks	nap	nap	nap	nap	nap	nap
Stockbrokers	nav	nav	nav	134	84	66
BNR government securities system	32	36	36	38	39	34
Banks	32	36	36	38	39	17
Primary dealers	nap	nap	nap	nap	nap	13
Secondary dealers	nap	nap	nap	nap	nap	4

Table 11d

Outstanding securities
(end of year)

	1997	1998	1999	2000	2001	2002
BVB						
billions)	5,056.00	3,922.00	5,725.00	10,728.00	38,573.00	91,580.00
Value of bonds issued ¹⁾ (ROL						
billions)	nap	nap	nap	nap	15.70	41.70
Number of shares issued	17	126	127	114	65	65
Number of bonds issued	nap	nap	nap	nap	2.00	4.00
Value of shares registered						
(ROL billions)	5,056.00	3,922.00	5,725.00	10,728.00	38,573.00	91,580.00
Value of bonds registered						
(ROL billions)	nap	nap	nap	nap	15.70	41.70
Number of shares registered	75	126	127	114	65	65
Number of bonds registered	nap	nap	nap	nap	2.00	4.00

SNCDD*						
Value of securities issued*** (ROL billions)	nav	nav	nav	nav	33,683.00	61,074.00
Volume of securities issued	nav	nav	nav	nav	nav	21.91
Value of securities registered*** (ROL billions)	nav	nav	nav	nav	33,683.00	61,074.00
Volume of securities registered	nav	nav	nav	nav	nav	21.91
Number of stocks issued	nav	nav	nav	nav	5,261.00	4,828.00
Number of stocks registered	nav	nav	nav	nav	5,261.00	4,828.00
BNR Government securities system²⁾						
Value of securities issued (ROL billions)	30,297.60	46,187.50	110,279.27	108,608.78	80,646.51	59,565.95
Number of securities issued	54	71	130	124	113	101
Value of securities registered (ROL billions)	28,768.65	37,884.73	83,784.38	87,740.23	74,808.26	60,207.99
Volume of securities registered	49	64	106	117	104	88

1) Municipal bonds.

2) The issues denominated in foreign currencies are not included

Table 11e
Netting ratio in clearing systems

	1997	1998	1999	2000	2001	2002
BVB						
Netting ratio for cash over year	nav	nav	nav	nav	27.40%	20.27%
Netting ratio for securities over year ¹⁾	nap	nap	nap	nap	nap	nap
SNCDD*						
Netting ratio for cash over year	53.63%	69.87%	73.90%	65.00%	71.70%	78.48%
Netting ratio for securities over year	nap	nap	nap	nap	nap	nap
BNR Government securities system²⁾						
Netting ratio for cash over year	nap	nap	nap	nap	nap	nap
Netting ratio for securities over year	nap	nap	nap	nap	nap	nap

1) Not applicable; the transfer of securities between sellers 'and buyers' accounts is done on a trade-by-trade basis.

2) The transactions are settled on gross basis.

* Clearing House and Securities Settlement System for RASDAQ trading platform

** Trading Platform apart from the Romanian stock exchange

*** Market value

Table 12
Participation in SWIFT by domestic institutions

	1997	1998	1999	2000	2001	2002
Members	23	26	17	19	19	17
of which live	23	26	17	19	19	17
Sub-members	12	14	14	16	16	15
of which live	11	14	13	15	16	15
Participants	1	2	11	10	9	8
of which live	1	2	11	9	9	8
Total users	36	42	42	45	44	40
of which live	35	42	41	43	44	40
Memorandum items:						
Total SWIFT users	6,372	6,771	6,991	7,293	7,457	7,601
of which:						
members	3,070	3,052	2,230	2,307	2,265	2,217

<i>sub-members</i>	2,621	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	681	938	1,936	1,949	2,049	2,254

Table 13**SWIFT message flows to/from domestic users**

	1997	1998	1999	2000	2001	2002
Total messages sent	933,005	1,239,267	1,421,400	1,698,624	1,920,116	2,146,514
<i>of which:</i>						
<i>category I</i>	483,502	582,390	672,602	825,636	945,091	1,057,366
<i>category II</i>	178,644	265,558	337,180	475,723	583,558	635,283
Total messages received	1,191,390	1,478,115	1,705,356	1,931,298	2,084,506	2,356,155
<i>of which:</i>						
<i>category I</i>	573,240	679,699	829,720	1,003,025	1,129,638	1,266,657
<i>category II</i>	49,569	60,039	56,298	63,519	69,830	91,846
Domestic traffic	296,418	385,702	407,500	457,079	476,517	549,924
<i>Memorandum item:</i>						
Global SWIFT traffic ¹⁾	812,117,556	941,235,088	1,076,490,597	1,298,668,103	1,533,906,047	1,817,443,994

1) In January 2000 changes were made to the reporting methodology, resulting in a 2% increase in global SWIFT traffic. The new methodology was applied retroactively to 1999.

Table 1

Basic statistical data

	1997	1998	1999	2000	2001	2002
Population ¹⁾ (thousands)	5,383.0	5,391.0	5,395.8	5,400.5	5,379.0	5,379.0
GDP (SKK billions)	708.6	775.0	835.7	908.8	989.3	1,064.6
GDP per capita (SKK)	131,636.6	143,758.1	154,879.7	168,280.7	183,918.9	197,917.8
Exchange rate vis-à-vis ECU/EUR						
<i>end of year</i>	38.38	42.44	42.40	43.93	42.78	41.75
<i>average</i>	38.11	39.49	44.12	42.60	43.30	42.68

1) Average for the year.

Table 2

Settlement media used by non-banks

(end of year, SKK billions)

	1997	1998	1999	2000	2001	2002
Banknotes and coins	48.70	49.80	57.50	67.00	81.00	84.2
Transferable deposits	117.4	97.4	96.4	120.2	147.5	161.9
Other	nap	nap	nap	nap	nap	nap
Narrow money supply (M1)	166.1	147.2	153.9	187.2	228.5	246.1
<i>Memorandum items:</i>						
Broad money supply (M2)	453.5	472.7	526.7	607.9	679.9	702.9
Transferable deposits in foreign currencies	nav	nav	nav	nav	nav	nav
Outstanding value on e-money schemes	nap	nap	nap	nap	neg	nap
<i>of which:</i>						
<i>on card-based products</i>	nap	nap	nap	nap	nap	nap
<i>on network-based products</i>	nap	nap	nap	nap	neg	nap

Table 3

Settlement media used by banks

(end of year, SKK billions)

	1997	1998	1999	2000	2001	2002
Transferable balances held at central bank ¹⁾	36.03	38.83	39.33	38.76	30.9	27.27
<i>of which:</i>						
<i>required reserves</i>	36.55	38.33	38.97	38.81	30.82	27.21
<i>free reserves</i>	-0.52	0.5	0.36	-0.05	0.08	0.06
Transferable balances held at other banks	nav	nav	nav	nav	nav	nav
<i>Memorandum items:</i>						
Institutions' borrowing from central bank - value	50.2	55.3	39.6	35.6	27.7	24.63
Number of institutions borrowing from central bank	17	19	18	19	16	16

1) Average for the year.

Table 4

Banknotes and coins*(end of year, total value, SKK billions)*

	1997	1998	1999	2000	2001	2002
Total banknotes issued	57.20	56.94	66.20	74.52	89.60	92.09
<i>of which:</i>						
SKK 5,000	18.73	18.13	23.51	29.41	38.43	40.97
SKK 1,000	29.69	30.44	33.54	36.18	41.83	41.77
SKK 500	4.43	4.06	4.54	4.09	4.28	4.16
SKK 200	1.28	0.94	1.19	1.34	1.47	1.53
SKK 100	2.14	2.40	2.39	2.38	2.40	2.41
SKK 50	0.53	0.54	0.57	0.62	0.66	0.69
SKK 20	0.40	0.43	0.46	0.50	0.53	0.56
Total coins issued	1.00	1.07	1.14	1.24	1.36	1.47
<i>of which:</i>						
SKK 10	0.53	0.57	0.59	0.65	0.70	0.77
SKK 5	0.18	0.19	0.20	0.22	0.24	0.26
SKK 2	0.12	0.13	0.14	0.15	0.17	0.18
SKK 1	0.08	0.09	0.09	0.10	0.11	0.12
SKK 0.5	0.04	0.04	0.05	0.05	0.06	0.06
SKK 0.2	0.03	0.03	0.04	0.04	0.05	0.05
SKK 0.1	0.02	0.02	0.03	0.03	0.03	0.03
Commemorative coins	0.34	0.39	0.46	0.51	0.57	0.63
Total banknotes and coins issued ¹⁾	58.54	58.40	67.80	76.27	91.53	94.19
Banknotes and coins held by credit institutions	9.84	8.60	10.30	9.27	10.53	9.99
Banknotes and coins in circulation outside credit institutions	48.70	49.80	57.50	67.00	81.00	84.20

1) Including commemorative coins.

Table 5

Institutional framework*(end of 2002)*

Categories	Number of institutions	Number of branches ²⁾	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (SKK billions)
Central bank	1	16	25	0	44.5
Banks (total)	18 ¹⁾	976	2,818.156 ³⁾	339,869	117.4
<i>of which:</i>					
banks with foreign ownership	15 ¹⁾	940	2,815.644 ³⁾	339,869	nav
banks with domestic ownership	3	36	2.512	0	nav
Postal institution	1	1,626	nap	nap	nap
Total	20	2,618	2,843.156	339,869	161.9
Branches of foreign banks	2	51	11.131	8,830	nav
<i>of which:</i>					
EU-based	1	2	10	8,830	nav

1) Including housing saving banks.

2) Including sub-branches.

3) Excluding accounts of housing saving banks.

Table 6

Payment card functions and accepting devices

(end of year)

	1997	1998	1999	2000	2001	2002
Cash function						
Cards with a cash function (thousands)	1,002.317	1,358.134	1,542.985	1,719.503	1,974.581	2,379.130
Number of networks ¹⁾	2	1	1	1	1	1
Number of ATMs with a cash dispensing function	873	965	1,011	1,084	1,182	1,366
of which:						
open access	873	965	1,011	1,084	1,182	1,366
limited access	nap	nap	nap	nap	nap	nav
Volume of transactions (millions)	39.068	48.857	52.892	49.478	52.125	58.905
of which:						
at ATMs with open access	39.068	48.857	52.892	49.478	52.125	58.905
at ATMs with limited access	nap	nap	nap	nap	nap	nav
Value of transactions (SKK billions)	39.883	57.632	69.002	82.522	95.917	122.160
of which:						
at ATMs with open access	39.883	57.632	69.002	82.522	95.917	122.160
at ATMs with limited access	nap	nap	nap	nap	nap	nav
Number of ATMs with a giro transfer function ²⁾	129	178	288	371	506	737
Volume of transactions (millions)	4.7	9.04	12.62	13.82	16.78	0.14
Value of transactions (SKK billions)	5.07	11.14	16.93	22.3	29.69	0.349
Debit function						
Cards with a debit function (thousands)	1,000.917	1,355.834	1,539.685	1,712.656	1,952.223	2,162.208
of which:						
retailer cards (thousands)	nap	nap	nap	nap	nap	nap
Number of networks	2	1	1	1	1	1
Number of terminals	1,092	3,001	4,623	6,322	9,602	12,205
Volume of transactions (millions) ³⁾	0.439	1.161	2.293	5.648	10.603	14.569
of which:						
transactions with retailer cards (millions)	nap	nap	nap	nap	nap	nap
Value of transactions (SKK billions) ³⁾	0.501	1.494	3.116	6.844	11.737	13.209
of which:						
transactions with retailer cards (SKK billions)	nap	nap	nap	nap	nap	nap
Credit function ⁴⁾						
Cards with a credit function (thousands)	nav	nav	nav	2.5	17.4	251.6
of which:						
retailer cards (thousands)	nav	nav	nav	nav	nav	nav
Number of networks	2	1	1	1	1	1
Number of terminals	1,092	3,001	4,623	6,322	9,602	8,956
Volume of transactions (millions)	nav	nav	nav	nav	nav	nav
of which:						
transactions with retailer cards (millions)	nav	nav	nav	nav	nav	nav
Value of transactions (SKK billions)	nav	nav	nav	nav	nav	nav
of which:						
transactions with retailer cards (SKK billions)	nav	nav	nav	nav	nav	nav
Electronic money function						
Cards with an e-money function (thousands)	nap	nap	nap	nap	nap	nap
Number of accepting terminals	nap	nap	nap	nap	nap	nap
Number of networks	nap	nap	nap	nap	nap	nap

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Number of purchase transactions (millions)	nap	nap	nap	nap	nap	nap
Value of purchase transactions (SKK billions)	nap	nap	nap	nap	nap	nap
Number of loading transactions (millions)	nap	nap	nap	nap	nap	nap
Number of loading terminals	nap	nap	nap	nap	nap	nap
Value of money loaded (SKK billions)	nap	nap	nap	nap	nap	nap
Floater (SKK billions)	nap	nap	nap	nap	nap	nap
Delayed debit cards (charge cards) ⁴⁾						
Cards with a delayed debit function (thousands)	1.4	2.3	3.3	4.347	4.958	6.407
Number of terminals	nav	nav	nav	nav	nav	6,248
Volume of transactions (millions)	nav	nav	nav	nav	nav	36.017
Value of transactions (SKK billions)	nav	nav	nav	nav	nav	0.187
<i>Memorandum item:</i>						
Total number of cards in circulation (thousands)	1,002.317	1,358.134	1,542.985	1,719.503	1,974.581	2,420.216
<i>of which:</i>						
cards with a combined debit, cash and e-money function (thousands)	nap	nap	nap	nap	nap	nap
cards with a cheque guarantee function (thousands)	nap	nap	nap	nap	nap	nap
1) Since 1998 common ZBK ATM network.						
2) Two banks.						
3) All payments by debit, credit and charge cards up to 2001.						
4) Only payment cards issued by banks.						

Table 7
Payment instructions handled by selected interbank funds transfer systems:
volume of transactions
(millions)

	1997	1998	1999	2000	2001	2002
SIPS	108.965	122.582	131.137	141.800	158.225	178.217
Concentration ratio	nav	nav	nav	nav	nav	nav

Table 8
Payment instructions handled by selected interbank funds transfer systems:
value of transactions
(SKK billions)

	1997	1998	1999	2000	2001	2002
SIPS	25,454	23,488	19,938	25,719	31,632	44,791
Concentration ratio	nav	nav	nav	nav	nav	nav

Table 9
Indicators of the use of various cashless payment instruments: volume of transactions
(millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	0.305	0.197	0.146	0.180	0.143	0.144
<i>of which:</i>						
face-to-face	0.305	0.197	0.146	0.180	0.143	0.144
via PC or other terminal	nap	nap	nap	nap	nap	nap
televoting	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap

Payments by debit card ¹⁾	0.592	1.272	2.330	5.687	10.664	15.999
<i>of which:</i>						
<i>face-to-face</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>via PC or other terminal</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>telebanking</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by credit card	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>telebanking</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>via mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers ^{2), 3)}	108.965	115.751	123.005	132.746	148.458	166.537
<i>of which:</i>						
<i>face-to-face</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>telebanking</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits ^{2), 3)}	nav	2.956	3.592	4.051	4.399	5.328
<i>of which:</i>						
<i>face-to-face</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>telebanking</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	neg	nap
Total	109.862	120.176	129.073	142.664	163.664	188.008

1) Payments by all payment cards at POS terminals.

2) Domestic transactions processed by Slovak National Clearing Centre.

3) Includes items initiated by banks.

Table 10
Indicators of the use of various cashless payment instruments: value of transactions
(SKK billions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques	nav	1.686	1.667	1.776	1.736	2.672
<i>of which:</i>						
<i>face-to-face</i>	<i>nav</i>	<i>1.686</i>	<i>1.667</i>	<i>1.776</i>	<i>1.736</i>	<i>2.672</i>
<i>via PC or other terminal</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>telebanking</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card ¹⁾	1.336	1.927	3.351	7.044	11.964	17.648
<i>of which:</i>						
<i>face-to-face</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>via PC or other terminal</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>telebanking</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by credit card	nav	nav	nav	nav	nav	nav
<i>of which:</i>						
<i>face-to-face</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>telebanking</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>via mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers ^{2), 3)}	25,454	23,446	19,887	25,672	31,600	44,760
<i>of which:</i>						
<i>face-to-face</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>telebanking</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

Direct debits ^{2), 3)}	nav	39.418	49.315	47.761	38.397	32.708
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav
<i>televanking</i>	nav	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	neg	nap
Total	nav	23,489.0	19,941.3	25,728.6	31,652.1	44,813.0

1) Payments by all payment cards at POS terminals.

2) Domestic transactions processed by Slovak National Clearing Centre.

3) Includes items initiated by banks.

Table 11a

**Instructions handled by trading platforms, clearing houses and securities settlement systems:
volume of transactions**
(millions)

	1997	1998	1999	2000	2001	2002
Trading platforms						
BSSE	0.158	0.060	0.021	0.019	0.020	0.016
RM-System Slovakia, a.s.	0.558	0.240	0.112	0.669	0.123	0.011
<i>of which:</i>						
<i>shares</i>	0.178	0.077	0.011	0.017	0.039	0.011
<i>bonds</i>	0.381	0.161	0.101	0.652	0.084	0
Clearing houses						
BSSE	0.158	0.060	0.021	0.019	0.020	0.016
RM-System Slovakia, a.s.	0.558	0.240	0.112	0.669	0.123	0.011
Securities settlement systems ¹⁾						
BSSE	0.158	0.060	0.021	0.019	0.020	0.020
RM-System Slovakia, a.s. ²⁾	0.558	0.240	0.112	0.669	0.123	0.011
Central Registry						
T-bills	0.887	0.260	0.151	0.033	0.092	0.006
National Bank of Slovakia bills	0.075	0.787	0.638	1.903	2.364	4.004

1) Number of transferred securities on secondary market.

2) Since January 2002 as the Slovak Stock Exchange, joint stock company.

Table 11b

**Instructions handled by trading platforms, clearing houses and securities settlement systems:
market value of transactions**
(SKK billions)

	1997	1998	1999	2000	2001	2002
Trading platforms						
BSSE	164.1	299.1	188.4	255.5	393.5	643.2
RM-System Slovakia, a.s.	15.286	6.859	5.067	36.931	7.942	0.716
<i>of which:</i>						
<i>shares</i>	12.051	5.425	3.808	3.959	3.214	0.716
<i>bonds</i>	3.235	1.434	1.259	32.972	4.728	0
Clearing houses						
BSSE	164.1	299.1	188.4	255.5	393.5	643.2
RM-System Slovakia, a.s.	15.286	6.859	5.067	36.931	7.942	0.716
Securities settlement systems						
BSSE	164.1	299.1	188.4	255.5	393.5	643.2
RM-System Slovakia, a.s.	15.286	6.859	5.067	36.931	7.942	0.716
Central Registry						
T-bills	848.33	253.04	146.96	31.3	86.92	6.68
National Bank of Slovakia bills	74.40	774.06	629.15	1,888.37	2,345.68	3,967.53

Table 11c

Number of participants in trading platforms, clearing houses and securities settlement systems

	1997	1998	1999	2000	2001	2002
Trading systems						
BSSE	54	50	47	44	40	34
RM-System Slovakia, a.s.	492,769	300,424	42,188	470,941	979,638	17
Primary market for government securities	nav	40	52	94	107	140
Clearing systems						
BSSE	54	50	47	44	40	34
RM-System Slovakia, a.s.	870,486	525,345	191,370	1,144,060	1,033,782	17
Securities settlement systems						
BSSE	54	50	47	44	40	34
RM-System Slovakia, a.s.	523,563	523,563	166,935	1,025,037	1,143,075	17
Central Registry	195	nav	164	113	124	158

Table 11d

Outstanding securities

(end of year)

	1997	1998	1999	2000	2001	2002
BSSE						
Value of securities issued (SKK billions)	53.9	77.9	63.3	115.3	224.6 ¹⁾	67.0 ¹⁾
Number of securities issued	114	74	51	45	52 ²⁾	38 ²⁾
Value of securities registered (SKK billions)	276.8	271.9	264.6	272.3	461.2 ³⁾	395.9 ³⁾
Number of securities registered	1,048	981	967	975	977 ⁴⁾	592 ⁴⁾
Central Registry ⁵⁾						
Value of securities issued (SKK billions)	104.484	110.983	115.396	197.848	416.209	292.953
National Bank of Slovakia bills	0	0	10	84.900	145.254	192.530
Government securities	104.484	110.983	105.396	112.948	270.955	100.423
<i>of which:</i>						
<i>T-bills</i>	43.053	19.94	16.127	18.429	39.375	39.508
<i>government bonds</i>	61.431	91.043	89.269	94.519	231.58	60.915
Number of securities issued	39	46	66	52	75	62
National Bank of Slovakia bills	0	0	1	5	5	4
Government securities	39	46	65	47	70	58
<i>of which:</i>						
<i>T-bills</i>	16	6	23	15	28	33
<i>government bonds</i>	23	40	42	32	42	25
RM-System Slovakia, a.s.						
Value of securities issued (SKK billions)	nap	nap	nap	nap	nap	nap
Number of securities issued	nap	nap	nap	nap	nap	nap
Value of securities registered (SKK billions)	nap	nap	nap	nap	nap	nap
Number of securities registered	nap	nap	nap	nap	nap	nap

1) Nominal values of issued capital.

2) Number of issues.

3) Market value of all traded issues as of end of year.

4) Number of traded issues as of end of year.

5) Primary market for government securities and National Bank of Slovakia bills.

Table 11e

Netting ratio in clearing systems

	1997	1998	1999	2000	2001	2002
BSSE						
Netting ratio for cash over year	nav	nav	nav	nav	nav	nav
Netting ratio for securities over year	nav	nav	nav	nav	nav	nav
RM-System Slovakia, a.s.						
Netting ratio for cash over year	nap	nap	nap	nap	nap	nap
Netting ratio for securities over year	nap	nap	nap	nap	nap	nap

Table 12

Participation in SWIFT by domestic institutions

	1997	1998	1999	2000	2001	2002
Members	14	14	13	10	10	9
<i>of which live</i>	14	14	13	10	10	9
Sub-members	9	8	7	7	6	6
<i>of which live</i>	9	8	7	7	6	6
Participants	2	2	3	2	2	2
<i>of which live</i>	2	2	3	2	2	2
Total users	25	24	23	19	18	17
<i>of which live</i>	25	24	23	19	18	17
Memorandum items:						
Total SWIFT users	6,372	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>						
<i>members</i>	3,007	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,621	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	681	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1997	1998	1999	2000	2001	2002
Total messages sent	1,542,961	1,733,608	1,771,687	1,952,408	2,124,122	2,274,291
<i>of which:</i>						
<i>category I</i>	843,325	863,666	884,158	973,956	1,087,683	1,179,033
<i>category II</i>	393,984	463,422	517,092	588,695	635,396	663,469
Total messages received	1,241,090	1,378,552	1,441,899	1,526,900	1,651,527	1,782,024
<i>of which:</i>						
<i>category I</i>	589,508	635,017	699,370	778,820	870,119	961,088
<i>category II</i>	55,087	58,559	70,910	84,648	90,581	113,652
Domestic traffic	161,440	226,358	236,014	202,760	221,269	251,699
Memorandum item:						
Global SWIFT traffic ¹⁾	812,117,556	941,235,088	1,076,490,597	1,298,668,103	1,533,906,047	1,817,443,994

1) In January 2000 changes were made to the reporting methodology, resulting in a 2% increase in global SWIFT traffic. The new methodology was applied retroactively to 1999.

Table 1

Basic statistical data

	1997	1998	1999	2000	2001	2002
Population ¹⁾ (thousands)	1,986.9	1,982.6	1,985.6	1,990.3	1,992.0	1,989.0
GDP (SIT billions)	2,907.3	3,253.8	3,648.4	4,035.5	4,566.2	5,052.7
GDP per capita (SIT millions)	1.4633	1.6412	1.8375	2.0276	2.2922	2.5403
Exchange rate vis-à-vis ECU/EUR						
<i>end of year</i>	<i>186.36</i>	<i>187.97</i>	<i>198.91</i>	<i>213.54</i>	<i>218.84</i>	<i>230.02</i>
<i>average</i>	<i>180.91</i>	<i>185.95</i>	<i>194.47</i>	<i>206.61</i>	<i>217.98</i>	<i>225.97</i>

1) Average for the year.

Table 2

Settlement media used by non-banks

(end of year, SIT billions)

	1997	1998	1999	2000	2001	2002
Banknotes and coins	78.120	93.639	125.001	119.806	142.110	143.054
Transferable deposits	192.379	239.057	274.747	304.170	360.095	422.705
Narrow money supply (M1)	270.499	332.696	399.748	423.976	502.205	565.759
Memorandum items:						
Broad money supply ¹⁾	1,411.330	1,690.279	1,912.932	2,206.350	2,877.370	3,374.281
Transferable deposits in foreign currencies	65.975	66.048	97.130	117.302	154.744	166.085
Outstanding value on e-money schemes	nap	nap	nap	nap	nap	nap
of which:						
on card-based products	nap	nap	nap	nap	nap	nap
on network-based products	nap	nap	nap	nap	nap	nap

1) Broad money supply (M3) consists of currency in circulation, sight deposits with the Bank of Slovenia and banks, savings deposits, time deposits with the Bank of Slovenia and banks, and foreign currency deposits.

Table 3

Settlement media used by banks

(end of year, SIT billions)

	1997	1998	1999	2000	2001	2002
Transferable balances held at central bank	55.067	62.863	61.253	66.801	78.594	82.834
of which:						
required reserves	46.581	59.041	59.098	62.125	75.058	75.707
free reserves	8.486	3.822	2.155	4.676	3.536	7.127
Transferable balances held at other banks ¹⁾	nav	0.972	0.879	1.651	0.843	0.665
Memorandum item:						
Institutions' borrowing from central bank ²⁾	17.834	3.628	25.474	21.871	260.984	1.166

1) Indirect RTGS participants' (savings co-operatives) positions with the direct RTGS participants.

2) Lombard loans, liquidity loans, repurchase agreements, other.

Table 4

Banknotes and coins

(end of year, total value, SIT billions)

	1997	1998	1999	2000	2001	2002
Total banknotes issued	85.652	104.667	142.488	139.643	165.778	172.056
of which:						
SIT 10	0.240	0.270	0.301	0.276	0.269	0.255
SIT 20	0.241	0.269	0.300	0.350	0.395	0.439
SIT 50	0.372	0.411	0.455	0.516	0.542	0.591
SIT 100	1.276	1.211	1.295	1.369	1.401	1.454
SIT 200	0.623	0.955	1.096	1.267	1.411	1.527
SIT 500	1.429	1.557	1.651	1.862	2.001	2.087
SIT 1,000	11.960	13.165	16.160	12.542	12.137	12.480
SIT 5,000	32.878	37.090	48.233	49.629	60.197	63.562
SIT 10,000	36.226	49.333	72.590	71.426	87.019	89.255
Tolar coupons	0.407	0.406	0.407	0.406	0.406	0.405

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Total coins issued	0.487	0.549	0.633	0.782	0.986	1.375
<i>of which:</i>						
<i>SIT 0.1</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg.</i>
<i>SIT 0.2</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>0.001</i>
<i>SIT 0.5</i>	<i>0.013</i>	<i>0.013</i>	<i>0.014</i>	<i>0.014</i>	<i>0.014</i>	<i>0.014</i>
<i>SIT 1</i>	<i>0.091</i>	<i>0.102</i>	<i>0.115</i>	<i>0.125</i>	<i>0.133</i>	<i>0.140</i>
<i>SIT 2</i>	<i>0.114</i>	<i>0.129</i>	<i>0.158</i>	<i>0.176</i>	<i>0.199</i>	<i>0.211</i>
<i>SIT 5</i>	<i>0.269</i>	<i>0.305</i>	<i>0.346</i>	<i>0.380</i>	<i>0.406</i>	<i>0.425</i>
<i>SIT 10</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>0.087</i>	<i>0.192</i>	<i>0.318</i>
<i>SIT 100</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>0.042</i>	<i>0.043</i>
<i>SIT 500</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>0.223</i>
Total banknotes and coins issued	86.139	105.216	143.121	140.425	166.764	173.431
Banknotes and coins held by credit institutions	8.019	11.577	18.120	20.619	24.654	30.377
Banknotes and coins in circulation outside credit institutions	78.120	93.639	125.001	119.806	142.110	143.054

Table 5

Institutional framework

(end of 2002)

Categories	Number of institutions	Number of branches	Number of accounts	Number of internet-linked accounts	Value of accounts (SIT billions)
Central bank ¹⁾	1	1	296	nap	38.206
Credit institutions	61	747	3,139,971	373,706	409.468
Post Office	1	482	nap	nap	nap
Total ¹⁾	63	1,230	3,140,267	373,706	447.674
<i>of which:</i>					
<i>virtual institutions</i>	<i>0</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Branches of foreign banks	1	0	0	0	0
<i>of which:</i>					
<i>EU-based</i>	<i>1</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>

1) Value of accounts includes government transferable deposits in foreign currencies which are not included in M1.

Table 6

Payment card functions and accepting devices

(end of year)

	1997	1998	1999	2000	2001	2002
Cash function						
Cards with a cash function (thousands)	884.018	1,368.895	1,609.798	2,134.450	2,283.439	2,555.118
Number of networks	2	2	2	1	1	1
Number of ATMs with a cash dispensing function	501	612	765	865	1,027	1,095
<i>of which:</i>						
<i>open access</i>	<i>501</i>	<i>612</i>	<i>765</i>	<i>865</i>	<i>1,027</i>	<i>1,095</i>
<i>limited access</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
Volume of transactions (millions)	20.854	27.934	34.515	41.048	46.734	52.160
<i>of which:</i>						
<i>at ATMs with open access</i>	<i>20.854</i>	<i>27.934</i>	<i>34.515</i>	<i>41.048</i>	<i>46.734</i>	<i>52.160</i>
<i>at ATMs with limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (SIT billions)	168.167	224.01	307.769	425.016	566.099	642.742
<i>of which:</i>						
<i>at ATMs with open access</i>	<i>168.167</i>	<i>224.01</i>	<i>307.769</i>	<i>425.016</i>	<i>566.099</i>	<i>642.742</i>
<i>at ATMs with limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of ATMs with a giro transfer function	nap	nap	nap	nap	nap	nap
<i>volume of transactions (millions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>value of transactions (SIT billions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

Debit function

Cards with a debit function (thousands)	289.301	775.032	961.982	1,392.179	1,495.660	1,707.668
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	3	3	3	3	3	3
Number of terminals ¹⁾	8,073	11,361	15,287	21,723	26,186	29,452
Volume of transactions (millions)	0.045	1.216	5.264	13.933	26.388	31.988
<i>of which:</i>						
<i>transactions with retailer cards (million)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (SIT billions)	0.239	6.890	30.034	92.982	162.896	209.688
<i>of which:</i>						
<i>transactions with retailer cards (SIT billions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

Credit function

Cards with a credit function (thousands)	594.717	593.863	647.816	742.071	787.779	847.450
<i>of which:</i>						
<i>retailer cards (thousands)</i>	<i>173.489</i>	<i>178.197</i>	<i>208.993</i>	<i>243.401</i>	<i>274.785</i>	<i>307.597</i>
Number of networks	3	3	3	3	3	3
Number of terminals ¹⁾	8,073	11,361	15,287	21,723	26,186	29,452
Volume of transactions (millions) ¹⁾	30.998	38.238	44.194	51.933	56.675	56.693
<i>of which:</i>						
<i>transactions with retailer cards (millions)</i>	<i>7.884</i>	<i>10.091</i>	<i>11.144</i>	<i>13.506</i>	<i>14.846</i>	<i>14.394</i>
Value of transactions (SIT billions) ¹⁾	143.160	184.651	224.695	321.860	388.430	416.859
<i>of which:</i>						
<i>transactions with retailer cards (SIT billions)</i>	<i>34.270</i>	<i>46.332</i>	<i>56.945</i>	<i>102.897</i>	<i>105.373</i>	<i>116.076</i>

Electronic money function

Cards with an e-money function (thousands)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of accepting terminals	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of purchase transactions (millions)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of purchase transactions (SIT billions)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of loading transactions (millions)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of loading terminals	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of money loaded (SIT billions)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Float (SIT billions)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

Delayed debit cards (charge cards)

Cards with a delayed debit function (thousands)	583.980	584.379	639.169	716.495	757.514	810.840
Number of terminals ¹⁾	3,314	4,767	10,608	15,522	26,186	29,452
Volume of transactions (millions) ¹⁾	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	55.924	55.802
Value of transactions (SIT billions) ¹⁾	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	380.506	407.944

Memorandum item:

Total number of cards in circulation (thousands)	884.018	1,368.895	1,609.798	2,134.450	2,283.439	2,555.118
<i>of which:</i>						
<i>cards with a combined debit, cash and e-money function (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>cards with a cheque guarantee function (thousands)</i>	<i>1,071</i>	<i>1,233</i>	<i>1,392</i>	<i>1,476</i>	<i>1,566</i>	<i>1,695</i>

1) Estimation.

Table 7

**Payment instructions handled by selected interbank funds transfer systems:
volume of transactions**
(millions)

	1997	1998	1999	2000	2001	2002
Agency for Payments ¹⁾	87.53	89.56	84.00	82.34	72.37	26.69
SIBPS ²⁾	nap	0.20	0.51	1.04	1.44	1.35
Giro Clearing system ²⁾	nap	0.16	9.79	34.84	48.18	50.49
Concentration ratio						
Agency for Payments	nap	nap	nap	nap	nap	nap
SIBPS	nap	36.08%	73.26%	69.35%	70.24%	64.78%
Giro Clearing system	nap	60.67%	59.34%	84.02%	83.81%	63.32%

1) The Agency for Payments ceased processing payment instructions in June 2002.

2) The system only processes credit payments.

Table 8

**Payment instructions handled by selected interbank funds transfer systems:
value of transactions**
(SIT billions)

	1997	1998	1999	2000	2001	2002
Agency for Payments ¹⁾	44,492.04	39,509.81	39,949.82	42,221.55	43,445.75	17,334.71
SIBPS ²⁾	nap	13,924.91	23,184.37	22,218.30	29,153.14	40,137.66
Giro Clearing system ²⁾	nap	16.08	1,259.30	2,801.55	3,794.08	4,461.62
Concentration ratio						
Agency for Payments	nap	nap	nap	nap	nap	nap
SIBPS	nap	71.10%	72.73%	72.11%	73.82%	69.92%
Giro Clearing system	nap	53.37%	58.46%	73.98%	75.88%	60.60%

1) The Agency for Payments ceased processing payment instructions in June 2002.

2) The system only processes credit payments.

Table 9

Indicators of the use of various cashless payment instruments: volume of transactions
(millions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques ¹⁾	31.174	26.692	23.012	13.205	5.663	4.532
<i>of which:</i>						
<i>face-to-face</i>	31.174	26.692	23.012	13.205	5.663	4.532
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap	nap
<i>telebanking</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Payments by debit card	0.045	1.216	5.264	13.933	26.388	31.988
<i>of which:</i>						
<i>face-to-face</i>	0.045	1.216	5.264	13.933	26.388	31.988
<i>via PC or other terminal</i>	0	0	0	0	0	0
<i>telebanking</i>	nap	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap	nap
Payments by credit card ²⁾	30.998	38.238	44.194	51.933	56.675	56.693
<i>of which:</i>						
<i>face-to-face</i> ³⁾	nav	nav	nav	nav	nav	56.643
<i>via PC or other terminal</i> ³⁾	nav	nav	nav	nav	nav	0.050
<i>telebanking</i>	nav	nav	nav	nav	nav	0
<i>via mobile phone</i>	nav	nav	nav	nav	nav	nav
Credit transfers ³⁾⁴⁾	nav	nav	nav	nav	nav	98.577
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	66.184
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	31.275
<i>telebanking</i>	nav	nav	nav	nav	nav	1.113
<i>via mobile phone</i>	0	0	0	0	0	0.006
Direct debits ³⁾	nav	nav	nav	5.931	10.089	19.153
<i>of which:</i>						
<i>face-to-face</i>	nav	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav	nav

telebanking	nav	nav	nav	nav	nav	nav
via mobile phone	nap	nap	nap	nap	nap	nap
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Total	nap	nap	nap	nap	nap	210.943

1) Includes payments where originator and beneficiary are the same (separate data are not available).

2) Includes charge cards.

3) Estimation.

4) Excludes payments initiated by banks, since these data are not available.

Table 10
Indicators of the use of various cashless payment instruments: value of transactions
(SIT billions)

	1997	1998	1999	2000	2001	2002
Instruments						
Cheques ¹⁾	290.259	266.650	249.995	158.841	90.049	82.477
of which:						
face-to-face	290.259	266.650	249.995	158.841	90.049	82.477
via PC or other terminal	nap	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by debit card	0.239	6.890	30.034	92.982	162.896	209.688
of which:						
face-to-face	0.239	6.890	30.034	92.982	162.896	209.688
via PC or other terminal	0	0	0	0	0	0
telebanking	nap	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap	nap
Payments by credit card ²⁾	143.160	184.651	224.695	321.860	388.430	416.859
of which:						
face-to-face ³⁾	nav	nav	nav	nav	nav	416.196
via PC or other terminal ³⁾	nav	nav	nav	nav	nav	0.663
telebanking	nav	nav	nav	nav	nav	0
via mobile phone	nap	nap	nap	nap	nap	nap
Credit transfers ³⁾⁴⁾	nav	nav	nav	nav	nav	18,237.890
of which:						
face-to-face	nav	nav	nav	nav	nav	3,940.925
via PC or other terminal	nav	nav	nav	nav	nav	14,255.520
telebanking	nav	nav	nav	nav	nav	41.348
via mobile phone	0	0	0	0	0	0.097
Direct debits ³⁾	nav	nav	nav	nav	nav	278.803
of which:						
face-to-face	nav	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav	nav
via mobile phone	nap	nap	nap	nap	nap	nap
Card-based e-money	nap	nap	nap	nap	nap	nap
Network-based e-money	nap	nap	nap	nap	nap	nap
Total	nap	nap	nap	nap	nap	19,225.717

1) Includes payments where originator and beneficiary are the same (separate data are not available).

2) Includes charge cards.

3) Estimation.

4) Excludes payments initiated by banks, since these data are not available.

Table 11a
Instructions handled by trading platforms, clearing houses and securities settlement systems:
volume of transactions

	1997	1998	1999	2000	2001	2002
Trading platforms						
Ljubljana Stock Exchange	140,355	237,604	447,037	396,602	320,157	452,805
of which:						
government securities	6,624	6,162	6,461	5,898	8,606	14,672
bonds	2,314	1,985	1,445	1,470	1,309	869
shares	131,417	229,457	426,281	371,419	296,405	368,479
other	0	0	12,850	17,815	13,837	68,785

Clearing houses						
KDD ¹⁾	171,458	279,041	497,570	438,347	355,613	502,938
<i>of which:</i>						
government securities ²⁾	8,092	7,237	7,191	6,519	9,559	16,296
bonds ²⁾	2,827	2,331	1,608	1,625	1,454	965
shares ²⁾	160,539	269,473	474,468	410,513	329,230	409,276
other ²⁾	0	0	14,303	19,690	15,369	76,401
Securities settlement systems						
KDD ³⁾	250,856	407,340	714,859	599,234	471,136	631,143
<i>of which:</i>						
government securities	nav	nav	nav	nav	nav	nav
bonds	nav	nav	nav	nav	nav	nav
shares	nav	nav	nav	nav	nav	nav

1) All transactions on the single organised market (Ljubljana Stock Exchange) are cleared through KDD. The volumes of transactions handled by the trading platform and by the clearing house respectively are not equal, because each stock exchange transaction could lead to several separate instructions for the clearing house.

2) A breakdown by sub-items is not available. The Structure shown is consequently an approximation based on the breakdown under Trading platforms.

3) All transaction settled through KDD (organised and OTC market).

Table 11b
Instructions handled by trading platforms, clearing houses and securities settlement systems:
market value of transactions
(SIT billions)

	1997	1998	1999	2000	2001	2002
Trading platforms¹⁾						
Ljubljana Stock Exchange	108.296	173.375	265.671	269.617	153.948	262.722
<i>of which:</i>						
bonds	4.990	7.127	4.568	13.919	16.828	5.804
shares	87.555	143.793	222.224	208.147	108.286	183.967
other	15.751	22.455	38.879	47.551	28.834	72.950
Clearing houses¹⁾						
KDD ²⁾	108.296	173.375	265.671	269.617	153.948	262.722
<i>of which:</i>						
bonds	4.990	7.127	4.568	13.919	16.828	5.804
shares	87.555	143.793	222.224	208.147	108.286	183.967
other	15.751	22.455	38.879	47.551	28.834	72.950
Securities settlement systems						
KDD ³⁾	108.296	173.375	265.671	269.617	357.507	481.041
<i>of which:</i>						
bonds	4.990	7.127	4.568	13.919	16.828	5.804
shares	87.555	143.793	222.224	208.147	292.542	364.578
other	15.751	22.455	38.879	47.551	48.137	110.659

1) Data for 1997 to 2000 include organised and OTC market transactions.

2) All transactions on the single organised market (Ljubljana Stock Exchange) are cleared through KDD.

3) All transaction settled through KDD (organised and OTC market).

Table 11c
Number of participants in trading platforms, clearing houses and securities settlement systems

	1997	1998	1999	2000	2001	2002
Trading systems						
Ljubljana Stock Exchange	42	38	36	34	32	27
<i>of which:</i>						
banks	11	9	10	11	11	10
stockbrokers	31	29	26	23	21	17
Clearing systems						
KDD ¹⁾	53	60	59	59	65	65
<i>of which:</i>						
banks	14	11	11	12	13	13
stockbrokers	31	30	28	24	21	18
insurance companies	0	0	0	1	8	12
certified investment companies	6	16	16	18	15	15
other	2	3	4	4	8	7

1) KDD is also a securities settlement system.

Table 11d

Outstanding securities*(end of year)*

	1997	1998	1999	2000	2001	2002
Ljubljana Stock Exchange						
Value of shares issued (SIT billions) ¹⁾	315.945	483.037	566.461	705.093	849.989	1,476.918
Value of other securities issued (SIT billions) ¹⁾	83.400	227.214	353.526	433.339	529.980	697.289
Number of shares issued	79	120	176	193	189	168
Number of other securities issued	28	34	34	32	32	30
KDD²⁾						
Value of shares issued (SIT billions)	375.263	838.940	1,216.643	1,327.702	1,365.861	1,344.076
Value of other securities issued (SIT billions)	417.088	459.441	454.36	508.613	667.356	1,029.344
Number of securities issued	381	500	764	879	885	870

1) Market value.

2) Data include dematerialised securities only (nominal value).

Table 11e

Netting ratio in clearing systems

	1997	1998	1999	2000	2001	2002
KDD						
Netting ratio for cash over year	61.20%	73.99%	82.81%	87.36%	86.68%	80.92%
Netting ratio for securities over year ¹⁾	0	0	0	0	0	0

1) Securities are settled on a gross basis.

Table 12

Participation in SWIFT by domestic institutions

	1997	1998	1999	2000	2001	2002
Members	19	19	14	15	14	14
<i>of which live</i>	19	19	14	15	14	14
Sub-members	2	1	2	2	0	2
<i>of which live</i>	2	1	2	2	0	2
Participants	9	11	13	11	9	9
<i>of which live</i>	9	11	13	11	9	9
Total users	30	31	29	28	23	25
<i>of which live</i>	30	31	29	28	23	25
<i>Memorandum items:</i>						
Total SWIFT users	6,372	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>						
<i>members</i>	3,070	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,621	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	681	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1997	1998	1999	2000	2001	2002
Total messages sent	1,360,618	1,764,343	2,022,597	2,616,382	3,112,621	3,074,550
<i>of which:</i>						
<i>category I</i>	729,308	805,134	1,160,078	1,739,626	2,203,593	2,198,212
<i>category II</i>	387,087	670,712	595,587	607,510	636,411	603,540
Total messages received	1,083,939	1,481,143	1,810,434	2,452,800	2,999,590	2,990,909
<i>of which:</i>						
<i>category I</i>	542,665	592,701	939,369	1,533,432	2,023,453	2,056,118
<i>category II</i>	45,035	302,491	242,324	226,044	224,963	178,971
Domestic traffic	196,224	451,050	716,918	1,251,625	1,660,040	1,533,816
<i>Memorandum item:</i>						
Global SWIFT traffic ¹⁾	812,117,556	941,235,088	1,076,490,597	1,298,668,103	1,533,906,047	1,817,443,994

1) In January 2000 changes were made to the reporting methodology, resulting in a 2% increase in global SWIFT traffic.

The new methodology was applied retroactively to 1999.

METHODOLOGY FOR THE STATISTICAL DATA

ANNEX

General

Exceptions	Data in the tables conform to this methodology unless otherwise indicated. However, it should be noted that varying methods of collecting data can also complicate cross-country comparisons.
Breaks in series	These are indicated by a footnote.
Sources of data	These are indicated where appropriate.
Definitions	Definitions in the tables which are not given in this methodology are based on the glossary included in “Payment and securities settlement systems in the European Union”, ECB, June 2001 (http://www.ecb.int). Where necessary, footnotes to individual tables explain the country-specific definitions, e.g. of “banks”. (It should be noted that, in general, the term “banks” should be broadly construed according to local regulations so as to include all relevant financial institutions, e.g. “credit institutions” in EU countries.)
Intrabank items	These are included as appropriate, except where indicated.
Foreign currency	Foreign currencies are not included in the figures unless otherwise indicated.
Total	Totals are calculated on the basis of the items available.
Time period	Each table indicates the period (e.g. year) or point of time (e.g. end-year) to which the data apply. Where the data apply to a period, the data are the total for that period, unless otherwise indicated (e.g. a daily average).
Estimated data	Where data are broadly estimated and thus only indicative, this is indicated in a footnote (except for population and GDP in Table 1 and data in Tables 12 and 13, where it is understood that the data are estimated).
Seasonal adjustment	Figures are not seasonally adjusted unless otherwise indicated.
“nav”, “nap”, “neg” and “0”	Where data are not available, this is indicated by “nav”. Where data are not applicable, this is indicated by “nap”. Where data are very small (relative to other relevant data in the table concerned), this is indicated by “neg”. Where data mean absolutely zero or none, rather than being a small number rounded to zero, this is indicated by “0”.

Table 1:**Basic statistical data**

Population	Figures are averages for the year or at a point in the year as indicated.
GDP	Figures are nominal (not real).
GDP per capita	This figure is the GDP figure divided by the population figure.
Exchange rate (domestic provided currency vis-à-vis EUR) end-of-year average	The exchange rate of the local currency against the euro is both as an end-of-year value and as an average for the year.

Table 2:**Settlement media used by non-banks**

Banknotes and coins	Banknotes and coins represent the value of cash in circulation in the economy. This excludes the value of banknotes and coins kept in vaults at central banks or at banks (see Table 4), but includes the value held by non-residents.
Transferable deposits	These are transferable deposits, which can be used to make cashless payments using one of the instruments mentioned in Tables 9 and 10. They do not include deposits in foreign currencies unless these are included in M1. If they are not included in M1, they are included under the separate item transferable deposits in foreign currencies.
Others	Filled in only if the narrow money supply (M1) includes items other than banknotes and coins and transferable deposits.
M1	Cash in circulation and transferable deposits held by non-banks. This line has not been filled in by countries which no longer calculate this aggregate.
<i>Memorandum item:</i>	
Broad money supply	Included in some cases. Footnotes to individual tables explain the definition of broad money supply used and how it differs from narrow money supply.
Outstanding value on e-money schemes	The difference between the value of cash loaded onto electronic purses (a reloadable multi-purpose prepaid card which may be used for small retail or other payments instead of banknotes and coins) or onto electronic wallets (a computer device used in some electronic money systems which can contain an IC card or in which IC cards can be inserted and which may perform more functions than an IC card) and the value spent.

Table 3:**Settlement media used by banks**

Transferable balances held at central bank	Deposits held by banks at the central bank which can be used for payment purposes, regardless of the type of account (e.g. current account, reserve account, settlement account or clearing account).
of which: <i>required reserves</i>	Funds that banks are required to hold at the central bank. If only only part of the required reserves can be used for payment purposes, that amount is indicated here.
<i>free reserves</i>	Funds held voluntarily at the central bank that can be used for payment purposes.
Transferable deposits at other banks	Deposits held at other banks in the country (not at the central bank) which can be used for payment purposes.
Others	Included only if assets other than balances held at central bank and transferable deposits at other banks are relevant. In some cases a breakdown is provided. In other cases a footnote indicates what is included in this item.
<i>Memorandum item:</i>	
Institutions' borrowing from central bank	Institutions' borrowing (in the forms defined in a footnote by the respective country) from the central bank which can be used for payment purposes.

Table 4:**Banknotes and coins (end-of-year figures)**

Total banknotes issued	Value of banknotes which are part of the central bank's liabilities. A breakdown by denomination is provided.
Total coins issued	The total value of coins is provided along with a breakdown by denomination.
Total banknotes and coins issued	Value of banknotes and coins excluding those kept in vaults at central banks or at treasury departments (but including those held at banks).
Banknotes and coins held by credit institutions	Banknotes and coins in the vaults of credit institutions and thus not in circulation.
Banknotes and coins in circulation outside credit institutions	Total banknotes and coins issued minus banknotes and coins held by credit institutions (identical to banknotes and coins in Table 2).

Table 5: Institutional framework (end-of-year figures)

Categories	Categories of institutions are based on the individual countries' own financial systems. Particular categories are explained in a footnote, where necessary.
Columns 1 and 2	Number of points of entry into the cashless payment system.
Column 1: number of institutions	Any institution which executes cashless payments is mentioned even if it does not hold deposits for customers (e.g. because the money transferred is given to the institution in cash by the customer, or debited from a sight account held at another institution).
Column 2: number of branches	All branches of an institution. As a rule, the head office of the institution is counted as a branch if it offers cashless payment services.
Column 3: number of accounts	Number of accounts on which cashless payments (see definitions in Tables 9 and 10) can be made. The only accounts mentioned here are those which: <ul style="list-style-type: none"> – are held by deposit-taking institutions for non-deposit-taking institutions; – can be debited directly using one of the instruments mentioned in Tables 9 and 10.
Column 4: number of internet-linked accounts	Number of accounts, relating to internet services (credit transfers and the payment of bills, etc. carried out via the internet).
Column 5: value of accounts	Aggregate amount of deposits held on accounts mentioned in Columns 3 and 4. As a rule, the sum of the entries in the last column is identical to transferable deposits in Table 2.
Virtual institutions	Institutions providing services only via the internet.
<i>Memorandum item:</i>	
Branches of foreign banks	Branches or agencies of foreign banks. Banks which are foreign-owned or are subsidiaries of foreign banks are not included here.
of which EU-based	Sub-item to branches of foreign banks, giving the number of branches for which the head office is located in the EU.

Table 6: Payment card functions and accepting terminals (end-of-year figures)

All items include systems operated by banks and non-banks.

A card which has several functions is counted in each relevant line (e.g. a eurocheque card in Europe which can be used to withdraw cash, to make payments and to guarantee cheques is counted in each of the first three main items). Similarly, a number of terminals accept both debit and credit cards. Therefore, in general, these figures should not be added.

A transaction might also include balance enquiries, rather than only those which affect the account balances. It is indicated in a footnote if this is the case, and it cannot be measured separately.

Cards with a cash function	Any card enabling the holder to withdraw cash from a cash dispenser.
Number of networks	A network of ATMs is defined as a group of ATMs managed by one or more service providers for a bank or group of banks.
ATMs with a cash dispensing function	Electro-mechanical device allowing the authorised user to withdraw cash from its account and in some cases to access a range of other services, such as balance enquiries, transfers of funds and acceptance of deposits. The ATM may be operated online (with real-time reference to an authorisation database) or offline.
Number of machines	As a rule, each terminal is counted as one machine.
Open access	The ATM can be accessed by a holder of a card issued by a bank other than the bank which owns the ATM, subject to an agreement between the two banks.
Limited access	The ATM can only be accessed by a holder of a card issued by the bank which owns the ATM.
ATMs with a giro transfer function	ATMs which allow a cardholder to make credit transfers from its own account to other accounts held at the same institution or at different institutions.
Card with a debit function	A card which enables the holder to have purchases directly charged to funds on the cardholder's account at a deposit-taking institution (may sometimes be combined with another function, such as that of a cash card or cheque guarantee card).
Retailer card	A card issued by non-banking institutions for use at specified retail outlets.
EFTPOS	A terminal at a retail location which is designed to capture, and in some cases also transmit, debit card transactions by electronic means.

Number of networks	An EFTPOS network is defined as a group of EFTPOS terminals managed by one or more service providers for a bank or group of banks.
Number of machines	As a rule, each EFTPOS terminal is counted as one machine.
Card with a credit function	A card indicating that the holder has been granted a line of credit. It enables the holder to make purchases and/or withdraw cash up to a pre-arranged ceiling. The credit granted may be settled in full by the end of a specific period, or may be settled in part, with the balance taken as extended credit. Interest is charged on the amount of extended credit and the holder is sometimes charged an annual fee.
Retailer credit card	A card issued by non-banking institutions for use at specified retail outlets. The holder of the card is granted a line of credit.
Card with an e-money function	A reloadable multi-purpose prepaid card which can be used at the sites of several service providers for a wide range of purposes and which has the potential to be used on a national or an international scale, but may sometimes be restricted to a certain area.
	Only the number of valid cards in circulation should be provided, not the number of cards issued, since this figure would not be very informative if empty or invalid cards were included.
Accepting terminals	Refers to the number of terminals (devices) at the point of sale for receiving e-money. Mobile phones should not be included in this figure.
Float	Amount of money (cash value) which has been loaded onto the e-money card and has not been used.

Travel and entertainment cards need to be mentioned in the relevant category.

Delayed debit cards should be mentioned separately.

Tables 7 and 8: Volume and value of payment instructions handled by selected interbank funds transfer systems

With regard to the volume and value of transactions, each payment instruction is counted once (not twice, i.e. the debit from the payer's account and the credit to the payee's account are not counted separately).

IFTS	Interbank funds transfer systems in which most (or all) direct participants are credit institutions and which are used primarily to process cashless payments.
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Funds transfer systems (FTS)	A formal arrangement based on private contract or statute law with multiple membership, common rules and standardised arrangements for the transition and settlement of money obligations arising between the members. As a rule, all IFTSs are mentioned here, both those managed by central banks and those managed by private operators. Figures are provided system by system, with categories of various payment instruments (such as cheques, direct debits, credit transfers, postal drafts, ATMs and POSs, etc.) as sub-items.
Concentration ratio	Market share of the five largest participants in each system.

Tables 9 and 10: Volume and value of Indicators of use of various cashless payment instruments

These tables present the instruments that customers use for initiating payments to the banking system. Data on the instruments that the banks themselves use are also included, if available. The inclusion/exclusion of the latter data is indicated with a footnote. The objective of these tables is to estimate the volume and the value of cashless payment instruments used in the country concerned. Figures concerning only a sample of banks or customers should not be given, but should be extrapolated to provide figures covering the whole volume and value of cashless payment instruments used in the country.

In principle, the term “payment” is defined here to exclude any funds transfer in which the originator and the beneficiary are the same. This definition excludes any funds transfers in which the originator and the beneficiary are the same institution or individual. Therefore, any instrument which is used by banks’ customers to obtain cash should not be counted (e.g. cheques used to obtain cash, or ATM withdrawals - although these operations might be included in Tables 7 and 8, which have a different focus). Likewise, transfers between accounts in the same name at the same institution are excluded (e.g. transfers from a cheque account to a savings account, if both accounts are held at the same bank). However, because in practice it is usually impossible to exclude them from the data, transfers between accounts in the same name, but where the accounts are held at different institutions, are included unless indicated otherwise.

Strictly speaking “cashless” means “without the involvement of cash”. Such a narrow definition would exclude money (postal) orders, which involve cash at one or both ends of the transaction, as well as the majority of traveller’s cheques, which are often paid in cash. It is not realistic to use such a narrow definition because it is very doubtful whether available statistics would permit a breakdown of the number of money orders or traveller’s cheques according to the way they are paid or settled. Therefore, all payment instruments which involve cashless interbank settlement are included in the statistics.

In the case of cross-border payments, there is a need to avoid double counting (i.e. in the country of the originator and in the country of the beneficiary). Cross-border cashless payments are accordingly counted in the country of the originator.

The following guidelines are also followed:

- No distinction is made between interbank items (bank A to bank B), inter-branch items (bank A branch to another bank A branch), or intra-branch items (bank A customer to another bank A customer at the same branch): all are included in the statistics.
- Funds transfers used to settle credit card transactions are included (this is a payment from the user to the issuer).
- Money orders are included under credit transfers.
- Delayed debit cards are included under debit or credit cards, the means of inclusion is explained in a footnote.

The division of each payment instrument into sub-categories is based on the way in which the customer submits the payment instrument to the bank. Accordingly, each payment instrument is distinguished as follows:

- | | |
|----------------------------|---|
| – face-to-face | – paper-based (e.g. cheques) or electronically submitted (e.g. debit card at EFTPOS); |
| – via PC or other terminal | – the client submits the payment instrument via the internet; |
| – telebanking | – via a fixed line network; |
| – via mobile | – via a wireless network. |

Cheques issued	Traveller's cheques, eurocheques and bankers' drafts are included under cheques. Commercial bills are included if funds transfers can be made on the basis of these, without using another medium.
Payments by debit and credit cards	Also includes charge cards.
Other card payments	Payments made using retailer cards or prepaid cards are shown here if the data are available. The row label or a footnote indicates the type of payments included.
Credit transfers	A payment order or possibly a sequence of payment orders made for the purpose of placing funds at the disposal of the beneficiary.
Direct debits	Pre-authorized debit of the payer's account by the payee.
Total	The sum of the above items.

Tables 11a and 11b: Instructions handled by trading platforms, clearing houses and securities settlement systems (volume and value of transactions)

Figures are provided separately for each trading platform, clearing house and securities settlement system, with categories of various securities (such as government securities, bonds, shares, certificates of deposits (CDs), futures, options, etc.) as sub-items. Where data are not available for some of the sub-items, this is indicated with “nav”.

Central banks can provide figures separately for each trading platform, clearing house and securities settlement system or have the option to provide figures only in respect of securities settlement systems, indicating “nav” for not available or “nap” for not applicable for data relating to trading platforms and clearing houses.

Transfer instructions comprise all transfer instructions entered into the trading platform, clearing house or securities settlement system (including deliveries free of payment). As regards options, all the contracts are included.

As far as CDs are concerned, transactions should be considered regardless of their issuers (banks, central bank or mortgage institutions). Each transaction is counted once (not twice for sale and purchase). It is the transactions themselves that are counted and not the double message notifications.

Trading platform	An infrastructure or mechanism aimed at facilitating securities transactions between those who wish to buy and sell. A trading platform could be a legal entity recognised as an exchange or an integrated part of a stock exchange.
Clearing house	A department of an exchange or a separate legal entity which provides a range of services related to the clearing and settlement of transactions and payments and to the management of risks associated with the resulting contracts. In many cases, the clearing house acts as the central counterparty.
Securities settlement systems	Transfer systems which settle transfer instructions for both securities and funds. As a rule all SSSs are mentioned here, not only those managed by the central bank, but also those managed by private operators.

Table 11c: Number of participants in trading platforms, clearing houses and securities settlement systems

Figures are provided separately for each trading platform, clearing house and securities settlement system, with categories of various participants (such as banks and stockbrokers, etc.) as sub-items. Central banks can provide figures separately for each trading platform, clearing house and securities settlement system or have the option to provide figures only in respect of securities settlement systems, indicating “nav” for not available or “nap” for not applicable for data relating to trading platforms and clearing houses.

Table 11d: Outstanding securities

Number and value of securities which have been issued; number and value of securities which have been registered. Countries can also provide figures for the “total volume”.

Number of stocks listed	This covers the number of companies whose shares are traded on that particular trading platform. If a particular company has more kinds of shares listed on the same platform, these should only count as one.
Number of other securities listed	The number of ISIN codes that are traded on that particular trading platform (not counting the shares that have already been counted in the line above).

Table 11e: Netting ratio in clearing systems

The figure showing the size of the netted transactions in relation to the size of the traded transactions before netting takes place. The ratio refers to the value of the transactions.

Tables 12 and 13: SWIFT tables

These figures are provided by SWIFT.

Sub-members (Table 12)	Domestic users sponsored by members abroad.
Participants (Table 12)	Participants are not shareholders of SWIFT and their message traffic over the network is restricted.
Category I (Table 13)	Messages used by banks to transfer funds to an account of a customer (i.e. messages relating to payments that are messages, category I e.g. MT100 messages).
Category II (Table 13)	Messages used by banks to transfer funds to an account of another bank (i.e. messages relating to payments that are category II messages, e.g. MT200 messages).
Domestic traffic (Table 13)	Messages sent to/received from domestic users.

