



EUROPEAN CENTRAL BANK



BLUE BOOK

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PAYMENT AND SECURITIES SETTLEMENT SYSTEMS IN THE EUROPEAN UNION

**ADDENDUM
INCORPORATING
2002 FIGURES**

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Address

Kaiserstrasse 29
60311 Frankfurt am Main
Germany

Postal address

Postfach 16 03 19
60066 Frankfurt am Main
Germany

Telephone

+49 69 1344 0

Internet

<http://www.ecb.int>

Fax

+49 69 1344 6000

Telex

411 144 ecb d

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In accordance with Community practice, countries are listed using the alphabetical order of the country names in the national languages.

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 (1998–2002)

For the 12 euro area Member States, figures have been converted into euro using the fixed conversion rates for all years.

For the other Member States, figures are presented in the respective national currency.

Comparative tables (1998–2002)

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

Euro area tables

These tables contain figures that are only available at an aggregated euro area level. Figures are presented in euro.

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 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 (EU) 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 June 2001 the ECB issued the third edition of the publication entitled “Payment and securities settlement systems in the European Union”, also known as the Blue Book. The aim of the Blue Book is to provide a comprehensive description of the main payment and securities settlement systems in the Member States of the EU, with a focus on both their domestic and cross-border features.

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. In addition, starting with this year’s edition, the

Blue Book contains an additional chapter providing statistical information on euro- area monetary aggregates and counterparts.

The tables reflect the high level of integration and convergence achieved in payment and securities clearing and settlement systems in the EU Member States, 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.

Table 1
Banknotes and coins in circulation outside credit institutions

(end of year)

	Total (EUR millions)				Value per inhabitant (EUR)				As a percentage of GDP (%)				As a percentage of narrow money (%)							
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	10,880	12,001	11,869	7,100	nap	1,066	1,174	1,158	691	nap	4.8	5.1	4.8	2.8	nap	23.8	20.4	19.3	11.8	nap
Denmark	4,632	4,957	5,052	5,271	5,250	873	932	946	984	977	3.0	3.0	2.9	3.0	2.9	9.8	9.9	9.7	9.2	8.7
Germany	123,682	131,104	125,898	67,969	nap	1,508	1,597	1,532	825	nap	6.4	6.6	6.2	3.3	nap	24.1	23.5	21.9	11.3	nap
Greece ¹⁾	6,640	8,123	7,741	7,180	nap	630	744	708	656	nap	6.3	7.2	6.4	5.5	nap	40.9	37.3	36.8	30.9	nap
Spain ¹⁾	50,701	54,740	54,446	42,697	nap	1,285	1,381	1,364	1,060	nap	9.6	9.7	8.9	6.6	nap	20.8	18.2	17.0	12.0	nap
France	41,402	44,688	44,587	29,289	nap	689	741	736	481	nap	3.2	3.3	3.1	2.0	nap	12.8	12.6	11.8	7.3	nap
Ireland	3,290	3,970	4,500	3,740	nap	886	1,058	1,185	971	nap	4.2	4.4	4.4	3.3	nap	27.6	22.9	22.9	16.5	nap
Italy	59,496	65,807	69,457	57,648	nap	1,033	1,142	1,202	995	nap	5.5	5.9	6.0	4.7	nap	16.1	14.4	14.3	11.3	nap
Luxembourg	590	550	400	400	nap	1,375	1,261	912	906	nap	3.5	3.0	1.9	1.8	nap	18.4	1.3	0.8	0.8	nap
Netherlands	17,123	17,317	16,929	9,136	nap	1,090	1,095	1,063	569	nap	4.8	4.6	4.2	2.1	nap	14.1	12.8	11.4	5.7	nap
Austria ²⁾	10,500	11,300	12,100	8,200	nap	1,300	1,396	1,492	1,008	nap	5.5	5.7	5.9	3.9	nap	20.4	20.2	21.1	13.9	nap
Portugal	4,563	5,620	5,392	4,451	nap	450	552	527	432	nap	4.5	5.2	4.7	3.6	nap	12.0	12.4	11.3	8.7	nap
Finland	2,490	2,780	2,880	2,530	nap	483	538	556	488	nap	2.1	2.3	2.2	1.9	nap	6.5	6.8	7.2	6.1	nap
Sweden	8,210	10,184	10,112	10,401	10,478	928	1,150	1,140	1,169	1,175	4.1	4.3	4.1	4.3	4.1	nav	nav	nav	nav	nav
United Kingdom	36,286	45,406	48,423	53,344	52,224	622	776	826	904	882	3.0	3.1	3.2	3.3	3.3	5.0	5.0	5.1	5.0	4.8
EU ³⁾	380,484	418,548	419,785	309,358	409,652	1,013	1,111	1,110	814	1,074	4.7	4.9	4.7	3.6	3.5	14.6	13.4	12.7	8.6	11.5
Euro area ^{3), 4)}	324,717	349,877	348,458	240,341	341,700	1,110	1,193	1,184	784	1,110	5.5	5.7	5.4	3.5	4.8	18.5	16.9	16.0	10.3	14.1

1) The definition of the narrow money supply does not correspond to M1.

2) Adjusted for the banknotes in circulation figures for Austrian schilling banknotes held by other Eurosystem NCBs in accordance with Article 52 of the Statute of the ESCB.

In accordance with ECB Regulation 2001/13, commemorative coins are not included.

Narrow money: national contribution to M1.

3) Total excluding countries for which data are not available.

4) Following its entry to the euro area, the figures for 2001 onwards include Greece.

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 (%)						
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	3,411	4,588	4,841	5,175	5,332	15.5	19.9	20.0	20.9	21.1	76.1	79.6	80.8	88.2	nap
Denmark	8,020	8,449	8,771	9,727	10,223	27.4	27.6	27.3	29.2	29.9	90.2	90.1	90.3	90.8	91.3
Germany	4,751	5,196	5,459	6,481	7,075	20.2	21.6	22.1	25.8	27.7	75.9	76.5	78.1	88.7	nap
Greece ^{1),2)}	914	1,294	1,220	1,468	1,391	9.1	12.1	11.0	12.3	10.8	59.1	62.7	63.2	69.1	nap
Spain ^{1),2)}	5,018	6,200	6,640	7,762	8,389	37.3	43.5	43.5	48.0	49.0	81.1	81.8	83.0	88.0	nap
France	4,684	5,123	5,504	6,094	6,108	21.5	22.8	23.5	25.2	24.6	87.2	87.4	88.2	92.7	nap
Ireland	2,327	3,386	3,980	4,897	5,029	11.2	14.2	14.7	16.5	15.3	72.4	73.2	77.1	83.5	nap
Italy	5,296	6,765	7,210	7,783	8,503	28.3	35.2	35.7	36.9	39.2	82.4	85.5	85.8	88.7	nap
Luxembourg	6,061	98,624	115,621	115,742	110,937	15.3	231.2	238.0	231.2	222.0	81.3	98.6	99.2	99.2	nap
Netherlands	6,657	7,490	8,289	9,411	9,446	29.5	31.7	32.8	35.2	34.4	86.1	87.4	88.8	94.6	nap
Austria ³⁾	5,063	5,511	5,573	6,272	6,642	21.5	22.6	21.8	24.1	25.0	79.6	79.8	78.9	86.1	nap
Portugal	3,233	3,765	4,050	4,469	4,385	32.4	35.6	35.9	37.4	35.1	86.3	84.7	87.1	90.2	nap
Finland	6,907	7,421	7,172	7,519	7,691	30.7	31.8	28.5	28.8	28.6	93.5	93.2	92.8	94.0	nap
Sweden	9,002	10,629	10,717	11,197	11,832	39.7	40.2	38.2	40.9	41.3	nav	nav	nav	nav	nav
United Kingdom	11,944	14,657	15,577	17,238	17,459	57.2	59.0	60.0	62.3	64.4	95.4	95.3	95.3	95.3	95.5
EU ⁴⁾	6,024	7,233	7,678	8,591	8,961	30.2	32.7	32.8	35.3	36.1	85.5	86.6	87.4	91.5	95.8
Euro area ^{4),5)}	4,901	5,841	6,233	6,831	7,222	24.2	27.9	28.4	30.6	31.5	81.5	83.0	84.0	89.7	91.7

1) Since 1999 public sector deposits in the private financial sector are included.

2) The definition of the narrow money supply does not correspond to M1.

3) Narrow money supply (M1): national contribution to M1; transferable deposits; foreign currencies included.

4) Weighted average excluding countries for which data are not available.

5) Following its entry to the euro area, the figures for 2001 onwards include Greece.

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 (%)			
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	
Belgium	0.8	7.3	7.3	7.6	7.3	1.8	12.5	11.8	12.6	2002	4.6	6.5	7.0	13.3	8.0	
Denmark	1.7	0.8	1.0	0.5	1.4	3.5	1.6	2.0	0.9	2.3	nap	nap	nap	nap	nap	
Germany	23.7	33.3	35.5	38.9	38.6	4.6	6.0	6.2	6.5	nap	241.6	114.4	113.4	123.1	127.6	
Greece	nav	nav	2.2	1.7	1.6	nav	nav	10.4	7.1	nap	1.4	2.6	3.6	3.9	8.2	
Spain ¹⁾	6.5	8.7	9.7	10.9	11.5	2.7	2.9	3.0	3.1	nap	1.3	1.4	1.0	0.6	0.3	
France ²⁾	16.6	24.0	27.9	29.8	33.2	5.1	6.8	7.4	7.4	nap	157.6	189.8	181.8	188.3	178.2	
Ireland	2.9	2.5	2.7	4.3	4.9	24.1	14.3	13.8	19.1	nap	nap	nap	nap	nap	nap	
Italy	10.2	12.1	12.3	13.0	13.5	2.8	2.7	2.5	2.6	nap	54.6	59.1	94.7	85.1	96.8	
Luxembourg	nap	6.2	7.4	7.2	7.0	nap	14.3	14.4	13.9	nap	42.0	42.6	50.9	54.0	53.3	
Netherlands	7.8	7.3	9.3	10.2	8.5	6.4	5.4	6.3	6.4	nap	21.4	16.3	53.4	30.5	34.5	
Austria ³⁾	4.4	3.4	3.8	3.9	4.1	8.5	6.1	6.5	6.6	nap	16.4	14.1	15.0	14.2	13.9	
Portugal	2.6	2.7	3.1	3.2	3.3	6.7	5.9	6.5	6.3	nap	1.6	2.3	2.6	1.3	1.7	
Finland	2.2	4.9	2.5	3.8	3.8	5.7	11.9	6.2	9.3	nap	0.5	0.5	0.6	1.0	0.7	
Sweden	0.2	0.5	0.0	0.01	0.01	nav	nav	nav	nav	nav	12.0	11.0	8.5	13.0	9.6	
United Kingdom	2.3	3.3	2.5	2.8	2.8	0.3	0.4	0.3	0.3	0.3	329.3	368.0	409.1	488.1	555.1	
EU ⁴⁾	11.4	15.6	16.4	17.8	18.3	3.2	3.9	4.0	4.0	4.0	142.8	126.4	138.3	151.9	163.7	
Euro area ^{4),5)}	13.7	18.8	20.4	21.4	22.1	4.4	5.4	5.6	5.8	5.7	114.4	85.6	92.7	90.5	92.0	

1) The definition of the narrow money supply does not correspond to M1.

2) Change in the reserves policy from 16 October 1998.

3) Narrow money supply (M1): national contribution to M1; transferable balances held at other banks; transferable balances held at other domestic banks.

4) Weighted average excluding countries for which data are not available.

5) Following its entry to the euro area, the figures for 2001 onwards include Greece.

Table 4
Institutional framework

	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
Belgium	11	11	1	0.2	600	537	131	130	nap	nap	731	667	1.01	0.96
Denmark	36	35	nap	nap	427	411	202	195	nap	nap	629	606	1.44	1.78
Germany ¹⁾	31	29	2	1	640	611	nap	nap	nap	nap	642	613	1.06	1.05
Greece ²⁾	6	6	9	9	269	304	0	0	nap	nap	278	313	0.23	0.23
Spain	7	7	1	1	961	954	nap	nap	nap	nap	962	955	1.76	1.81
France	27	26	3	3	428	427	186	181	nav	nav	616	612	1.12	1.12
Ireland	23	22	neg	neg	260	287	nap	nap	nap	nap	260	287	0.96	1.62
Italy	13	13	2	2	503	514	237	238	nap	nap	742	753	0.61	0.63
Luxembourg	433	401	nap	nap	557	623	nav	nav	nap	nap	554	623	nav	nav
Netherlands ³⁾	7	6	0.2	0.1	219	200	140	143	nap	nap	359	343	1.41	1.29
Austria ⁴⁾	112	111	1	1	559	549	282	235	nap	nap	842	785	nav	nav
Portugal	20	20	1	1	530	553	76	71	nap	nap	607	625	2.00	2.14
Finland	66	68	1	1	305	302	nap	nap	nap	nap	305	303	2.20	1.91
Sweden	15	14	0.1	0.1	229	191	152	135	nap	nap	381	354	nav	nav
United Kingdom	8	8	neg	neg	249	245	296	296	nap	nap	545	540	2.67	2.66
EU ⁵⁾	21	20	2	2	503	495	218	214	nap	nap	640	631	1.37	1.38
Euro area ⁵⁾	24	23	2	2	561	554	182	190	nap	nap	666	657	1.12	1.13

1) In Germany: Postbank AG, as a fully fledged credit institution, appears with its branches under "Number of bank branches"; this includes post office branches which are entrusted with semi-cashless payment systems on behalf of Postbank AG.

2) In Greece the only postal institution is a credit institution; thus, the number of bank branches also includes the number of postal institution branches.

3) Number of bank branches: excludes the counters of the postal institution.

4) Institutions: refers to all institutions regardless of whether they offer cashless payment services; Branches: the head office of an institution is not counted as a branch.

5) Weighted average excluding countries for which data are not available.

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)				
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	564	606	657	669	683	16	17	20	22	23	106	105	106	104	104
Denmark	481	496	506	516	525	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Germany	556	563	580	603	612	17	18	20	19	20	152	146	146	157	157
Greece	206	290	318	400	464	7	9	12	15	18	163	197	156	164	161
Spain	960	1,057	1,123	1,167	1,230	16	17	18	17	21	82	87	85	84	89
France	490	538	580	606	637	15	17	18	19	20	56	61	61	61	63
Ireland	331	326	343	346	361	28	34	34	36	38	67	79	92	114	102
Italy	487	524	549	632	683	8	9	9	10	11	160	161	163	166	195
Luxembourg	662	711	741	804	840	11	12	13	14	13	114	115	117	118	130
Netherlands	418	422	435	445	466	27	28	30	31	30	86	88	87	91	112
Austria ¹⁾	591	660	729	814	863	11	12	13	13	13	136	136	132	139	133
Portugal	699	836	948	1,022	1,074	26	28	32	35	38	67	70	71	69	79
Finland	428	422	412	411	406	45	46	47	48	46	69	67	70	69	71
Sweden	281	291	295	289	297	38	35	36	38	36	97	94	100	91	91
United Kingdom	421	468	563	621	690	32	34	35	37	38	78	83	91	94	95
EU ²⁾	534	576	619	662	700	19	20	21	22	23	109	111	111	115	121
Euro area ²⁾³⁾	577	618	654	683	717	16	17	19	19	20	114	114	114	119	127

1) Number of ATMs: estimate, rounded figures.

2) Weighted average excluding countries for which data are not available.

3) Following its entry to the euro area, the figures for 2001 onwards include Greece.

	Increase in the number of ATMs (%)					Increase in the number of transactions (%)					Increase in the value of transactions (%)				
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	15.1	7.7	8.6	2.1	2.7	-0.2	11.4	14.1	9.2	7.3	1.4	9.6	15.5	7.0	7.2
Denmark	6.8	3.6	2.3	2.3	2.1	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Germany	10.2	1.3	3.1	4.1	1.7	nav	7.7	11.0	-4.7	1.3	nav	3.4	10.5	2.4	1.5
Greece	-1.0	40.9	13.7	26.1	16.0	25.6	21.4	30.8	27.9	23.1	38.7	46.8	3.3	35.1	20.6
Spain	11.6	10.5	7.1	4.8	6.1	5.5	3.5	10.3	-5.5	26.6	7.7	9.1	7.3	-6.0	34.2
France	8.6	10.3	8.4	5.0	5.6	11.5	10.3	5.5	7.6	4.1	6.8	19.0	5.3	8.3	6.5
Ireland	16.9	-0.3	6.3	2.5	5.8	20.7	20.0	4.0	6.9	5.0	16.7	42.9	20.0	33.3	-6.3
Italy	9.8	7.7	5.0	15.5	8.3	18.2	2.5	5.6	8.7	9.9	16.4	2.9	7.0	10.6	29.5
Luxembourg	21.9	9.2	4.8	9.2	5.6	8.7	10.9	4.6	8.3	-1.7	8.5	12.2	6.5	9.0	8.3
Netherlands	2.7	1.6	3.7	3.2	5.4	5.2	5.9	4.4	4.3	-2.0	7.1	7.9	2.8	9.0	21.1
Austria ¹⁾	11.6	11.8	10.8	12.0	6.1	4.8	5.0	6.0	5.0	2.4	7.1	4.7	3.5	10.4	-2.0
Portugal	12.8	20.1	14.0	8.5	5.6	20.1	11.0	11.8	12.4	8.8	16.1	16.4	12.4	9.4	25.7
Finland	-3.4	-1.2	-2.2	-0.1	-1.0	3.6	3.0	2.5	1.6	-2.8	8.6	-0.6	6.3	neg	neg
Sweden	4.9	3.8	1.4	-1.9	3.1	6.7	-6.9	3.5	4.4	-4.2	15.3	-10.6	5.6	4.1	-4.6
United Kingdom	6.0	11.4	20.5	11.1	11.3	6.0	6.4	3.0	7.3	4.3	8.9	10.2	4.6	12.4	7.1
EU ²⁾	8.7	8.3	8.2	7.7	6.2	10.6	6.8	7.9	4.0	7.0	11.0	9.6	7.2	7.5	13.1
Euro area ²⁾³⁾	9.7	6.8	5.9	7.5	5.3	11.3	6.8	8.1	3.4	7.9	10.0	8.7	8.0	6.6	14.8

1) Number of ATMs: estimate, rounded figures.

2) Weighted average excluding countries for which data are not available.

3) Following its entry to the euro area, the figures for 2001 onwards include Greece.

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)				
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	9,121	9,746	11,364	14,047	13,136	29.1	34.6	39.8	45.0	52.1	51.7	50.6	51.0	50.4	49.8
Denmark	12,936	13,719	14,612	16,528	17,835	65.9	71.8	77.1	84.6	91.6	47.3	47.4	47.3	46.7	46.9
Germany ^{1), 2)}	4,423	5,761	7,194	5,291	5,584	8.2	10.5	12.7	14.7	16.7	76.2	74.9	73.5	73.4	70.4
Greece	nav	nav	5,865	8,147	10,424	nav	nav	0.1	0.1	0.2	nav	nav	70.0	72.0	80.3
Spain	18,313	18,802	20,104	21,186	22,023	5.4	6.5	7.2	8.4	15.1	38.4	39.0	39.3	41.0	40.9
France ³⁾	12,047	13,261	13,848	14,845	15,620	43.0	48.3	54.3	60.3	66.9	46.9	46.3	46.5	46.4	46.4
Ireland	3,982	4,939	9,739	10,382	11,506	4.6	6.7	8.9	11.2	14.1	50.7	52.0	52.9	58.1	60.0
Italy	6,001	7,549	9,878	12,918	14,109	3.0	4.3	5.5	7.5	9.5	81.4	76.6	72.3	73.9	88.6
Luxembourg	11,823	12,693	13,238	14,886	16,130	20.9	24.5	28.7	33.5	42.1	65.7	64.6	63.6	62.8	62.9
Netherlands	8,533	9,208	9,774	10,333	10,972	37.9	44.3	50.3	59.5	66.2	43.4	45.7	46.5	46.3	47.3
Austria	2,382	3,554	4,953	7,141	8,464	4.8	7.2	9.9	13.0	17.3	51.5	54.2	56.4	55.5	53.7
Portugal	6,965	7,963	8,923	10,057	10,980	29.3	36.4	44.2	51.2	58.0	28.2	28.0	28.8	28.1	29.2
Finland	11,062	11,617	11,978	12,914	14,228	37.1	42.2	49.3	56.1	69.6	41.9	41.3	38.0	39.9	38.7
Sweden	8,406	9,160	9,822	9,917	11,439	18.0	22.4	28.9	36.6	57.1	67.9	68.2	66.1	61.3	63.7
United Kingdom	10,462	11,970	12,533	13,078	13,691	30.3	35.9	40.7	46.7	51.7	46.6	48.4	54.5	57.8	58.5
EU ⁴⁾	9,044	10,236	11,308	12,015	12,781	20.2	23.8	26.5	30.5	35.4	58.0	57.3	57.8	58.6	60.6
Euro area ^{4), 5)}	8,710	9,859	11,250	11,793	12,557	17.4	20.5	23.7	26.3	30.6	60.2	59.0	57.9	58.9	61.1

1) Number of POS terminals: as figures prior to 2001 include double counting, the percentage change in the number of terminals cannot be calculated for 2001.

2) As the number and value of POS transactions in 1997 exclude POZ and ELV procedures, the percentage change in these data cannot be calculated for 1998.

3) The figures include figures for payments per card with a credit function.

4) Weighted average excluding countries for which data are not available.

5) Following its entry to the euro area, the figures for 2001 onwards include Greece.

	Increase in the number of POS terminals (%)					Increase in the number of transactions (%)					Increase in the value of transactions (%)				
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	8.6	7.1	16.9	24.0	-6.0	23.6	19.0	15.5	13.3	16.3	21.1	16.4	16.5	11.9	15.1
Denmark	12.8	6.4	6.8	13.5	8.3	11.9	9.3	7.8	10.2	8.6	12.3	8.9	7.4	8.7	8.7
Germany ^{1), 2)}	44.1	30.3	25.0	nap	5.7	nap	27.7	20.5	16.7	13.3	nap	25.4	18.3	16.6	8.6
Greece	nav	nav	nav	39.1	28.1	nav	nav	nav	143.8	37.8	nav	nav	nav	150.7	53.5
Spain	10.1	3.1	7.7	6.3	4.7	15.9	21.0	11.6	18.7	80.1	16.4	22.9	12.6	23.7	79.7
France ³⁾	6.3	10.5	4.9	7.8	5.8	12.1	12.8	13.1	11.5	11.6	13.2	11.2	13.6	11.2	11.6
Ireland	187.1	25.4	99.6	8.1	12.5	100.0	47.1	36.0	26.5	27.9	99.1	50.8	38.5	38.9	32.0
Italy	23.0	25.9	31.1	31.1	9.4	38.7	44.2	28.2	36.2	27.7	26.3	35.7	21.1	39.1	53.1
Luxembourg	8.9	9.1	4.9	13.2	9.5	13.2	18.9	17.8	17.7	26.7	12.2	17.0	15.9	16.3	26.9
Netherlands	11.6	8.6	6.9	6.5	6.9	22.6	17.7	14.4	19.1	12.0	23.2	24.0	16.4	18.6	14.4
Austria	44.3	49.5	39.7	44.6	18.7	61.7	49.7	37.9	31.8	33.4	55.0	57.5	43.5	29.6	29.0
Portugal	17.8	14.8	12.7	13.5	9.7	26.1	24.7	22.3	16.5	13.8	35.3	23.4	26.0	13.6	18.3
Finland	5.6	5.3	3.3	8.1	10.4	7.3	14.1	17.0	14.1	24.4	13.0	12.5	7.7	19.6	20.7
Sweden	8.1	9.1	7.4	1.3	15.6	32.4	24.0	29.3	27.3	56.1	26.1	23.1	20.2	29.4	60.5
United Kingdom	15.1	14.8	5.0	5.0	5.0	15.6	18.8	13.6	15.6	11.1	19.5	20.3	18.2	25.0	13.8
EU ⁴⁾	22.7	18.1	16.3	14.4	7.2	23.4	25.1	18.6	23.1	24.4	22.0	23.7	17.9	25.7	28.3
Euro area ^{4), 5)}	24.8	19.2	19.0	17.3	7.4	25.5	26.6	19.4	24.6	26.3	22.7	24.7	18.0	20.7	30.5

1) Number of POS terminals: as figures prior to 2001 include double counting, the percentage change in the number of terminals cannot be calculated for 2001.

2) As the number and value of POS transactions in 1997 exclude POZ and ELV procedures, the percentage change in these data cannot be calculated for 1998.

3) The figures include figures for payments per card with a credit function.

4) Weighted average excluding countries for which data are not available.

5) Following its entry to the euro area, the figures for 2001 onwards include Greece.

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)				
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	nav	nav	nav	nav	nav	4.3	4.8	5.2	5.9	5.5	99.9	101.1	102.8	108.7	106.3
Denmark	3,866	4,091	4,175	5,663	6,405	1.9	2.1	2.4	2.5	2.6	106.6	115.3	120.7	119.3	122.2
Germany ^{1),2)}	4,417	4,905	5,603	5,809	5,736	3.9	4.1	7.1	7.3	7.5	90.8	93.9	71.6	75.5	77.9
Greece ³⁾	5,260	7,089	18,460	25,353	32,013	nav	nav	4.8	4.4	4.1	nav	nav	62.3	58.4	64.1
Spain	18,313	18,802	20,104	21,186	22,023	4.8	5.5	5.6	6.4	9.9	58.3	59.0	61.1	60.0	59.7
France	12,047	13,261	13,848	14,845	15,620	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Ireland	nav	6,127	11,056	12,458	12,784	nav	12.5	12.6	18.9	20.5	nav	68.7	81.9	82.2	87.5
Italy	nav	nav	nav	nav	nav	3.0	4.0	4.7	5.4	6.2	91.1	91.7	91.9	95.5	95.0
Luxembourg	11,676	12,438	13,079	14,494	16,130	26.4	27.8	29.5	30.2	31.2	74.1	70.2	79.5	81.8	84.6
Netherlands ³⁾	nav	nav	nav	nav	nav	2.7	2.8	2.9	3.0	2.8	93.2	99.3	110.2	111.2	115.8
Austria ⁴⁾	1,976	3,554	3,836	5,777	6,884	3.0	3.3	3.5	4.2	4.6	106.8	110.4	116.7	118.5	117.1
Portugal	6,965	7,963	8,923	10,057	10,980	11.7	15.5	19.3	24.3	25.1	39.9	38.6	39.1	35.2	38.1
Finland ³⁾	11,062	11,617	11,978	12,914	14,228	20.6	20.7	22.2	23.1	24.4	56.6	56.1	60.9	58.3	50.8
Sweden ⁵⁾	8,406	9,160	9,822	9,917	11,439	6.0	6.4	7.6	8.3	7.8	109.8	109.4	119.4	104.2	103.8
United Kingdom ⁶⁾	10,462	11,970	12,533	13,078	13,691	23.3	25.5	27.6	29.6	31.8	81.8	89.7	101.4	101.8	102.4
EU ⁷⁾	9,424	10,324	11,489	12,432	13,213	8.1	9.1	10.5	11.5	12.5	84.2	87.1	84.3	85.5	86.4
Euro area ^{7),8)}	9,530	10,234	11,092	12,524	13,320	4.5	5.3	6.8	7.4	8.3	83.3	85.0	78.9	80.1	81.2

1) For 2000, the percentage change in the number and value of transactions excludes retailer card transactions.

2) The figures for card terminals have been revised and relate to the largest market participant, since terminals usually accept various credit card brands.

3) Includes cards with a delayed debit function.

4) Includes delayed debit cards (charge cards); terminals: estimate, rounded figures.

5) Includes delayed debit transactions (charge cards).

6) Includes cards with a delayed debit function; figures for the number of terminals accepting such cards are not available.

7) Weighted average excluding countries for which data are not available.

8) Following its entry to the euro area, the figures for 2001 onwards include Greece.

	Increase in the number of accepting terminals (%)					Increase in the number of transactions (%)					Increase in the value of transactions (%)				
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	nav	nav	nav	nav	nav	11.9	9.7	10.6	13.0	-6.1	13.9	11.1	12.4	19.5	-8.2
Denmark	5.1	6.2	2.4	36.1	13.5	15.1	13.1	11.8	6.2	2.8	14.3	21.6	17.0	5.0	4.9
Germany ^{1),2)}	8.8	11.1	14.4	3.9	-1.1	4.6	6.1	4.4	3.8	2.4	-10.3	9.7	5.7	9.4	5.7
Greece ³⁾	86.1	35.0	169.8	37.6	26.4	nav	nav	nav	-4.9	-5.2	nav	nav	nav	-9.7	4.0
Spain	10.1	3.1	7.7	6.3	4.7	15.0	15.7	1.3	16.8	54.8	15.6	17.1	4.9	14.6	54.0
France	6.3	10.5	4.9	7.8	5.8	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Ireland	nav	nav	82.6	14.3	4.2	nav	nav	2.1	52.1	9.6	nav	nav	21.7	52.6	16.7
Italy	nav	nav	nav	nav	nav	24.1	30.9	18.8	15.4	14.0	22.2	31.8	19.0	20.0	13.3
Luxembourg	9.4	8.3	5.8	11.6	12.5	11.1	6.9	6.9	2.9	4.7	9.8	1.2	21.2	5.8	8.3
Netherlands ³⁾	nav	nav	nav	nav	nav	8.2	4.6	6.2	1.5	-4.1	14.0	11.5	17.8	2.4	-0.2
Austria ⁴⁾	18.5	80.2	8.2	51.0	19.4	4.0	9.2	5.9	21.1	10.7	9.1	12.9	11.8	23.1	9.4
Portugal	17.8	14.8	12.7	13.5	9.7	41.1	33.0	25.4	26.8	3.6	43.4	28.5	27.0	14.4	12.1
Finland ³⁾	5.6	5.3	3.3	8.1	10.4	12.8	0.9	7.5	4.3	5.8	0.7	neg	17	neg	-7.9
Sweden ⁵⁾	8.1	9.1	7.4	1.3	15.6	9.7	7.8	18.2	9.8	-5.0	9.7	6.1	23.7	5.0	-6.3
United Kingdom ⁶⁾	15.1	14.8	5.0	5.0	5.0	8.7	9.5	8.6	7.8	7.9	11.4	17.0	13.5	10.5	9.7
EU ⁷⁾	13.0	13.3	15.4	8.8	5.3	12.6	13.8	8.8	10.2	11.5	9.2	17.4	12.5	12.4	13.0
Euro area ^{7),8)}	9.1	12.2	11.0	9.5	4.8	13.7	15.2	8.8	10.8	13.1	8.4	17.8	11.7	24.6	26.9

1) For 2000, the percentage change in the number and value of transactions excludes retailer card transactions.

2) The figures for card terminals have been revised and relate to the largest market participant, since terminals usually accept various credit card brands.

3) Includes cards with a delayed debit function.

4) Includes delayed debit cards (charge cards); terminals: estimate, rounded figures.

5) Includes delayed debit transactions (charge cards).

6) Includes cards with a delayed debit function; figures for the number of terminals accepting such cards are not available.

7) Weighted average excluding countries for which data are not available.

8) Following its entry to the euro area, the figures for 2001 onwards include Greece.

Table 8
Cards with an e-money function and accepting terminals

	Electronic money cards (thousands)				Average value per reloading (EUR)				Number of purchase terminals				Average value per transaction (EUR)							
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	5,606	7,898	7,931	7,998	8,271	29	26	26	31	37	45,649	63,993	67,837	88,847	104,542	4.0	3.7	3.8	4.4	5.5
Denmark	651	672	593	627	896	20	20	18	17	18	4,383	4,568	1,954	1,887	1,757	0.9	1.1	1.2	1.2	1.2
Germany	60,700	60,700	60,700	67,333	67,525	54	40	31	28	27	60,000	59,732	66,946	80,191	98,492	6.6	3.6	2.7	2.3	2.1
Greece	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Spain	5,691	8,089	10,496	9,836	8,831	16	17	17	20	13	99,335	131,702	188,510	186,789	195,200	2.8	2.8	2.6	2.4	1.6
France	nav	neg	nav	319	838	nav	neg	neg	32	31	nav	neg	neg	13,644	69,172	nav	neg	neg	3.6	3.8
Ireland	neg	neg	nap	nap	nap	neg	neg	nap	nap	nap	neg	neg	nap	nap	nap	neg	neg	nap	nap	nap
Italy	56	32	45	30	310	neg	neg	neg	neg	neg	3,910	3,605	6,485	6,644	5,481	neg	neg	neg	neg	neg
Luxembourg	nap	259	303	353	392	nap	44	40	37	52	nap	1,223	2,133	4,178	6,402	nap	5.8	2.4	2.6	2.9
Netherlands	17,900	20,100	20,900	21,000	17,400	nav	nav	nav	nav	nav	107,589	125,807	133,548	148,207	164,863	3.7	3.1	2.9	2.7	2.7
Austria	5,100	5,777	6,496	7,192	6,890	49	52	54	54	99	19,118	29,564	41,585	60,848	74,657	7.9	5.3	4.9	5.6	7.7
Portugal	411	3,400	3,315	3,563	3,635	16	13	12	58	211	72,429	83,098	129,184	129,184	143,834	1.9	1.2	1.0	5.3	nav
Finland	324	454	623	733	891	21	20	20	22	19	3,627	5,272	6,150	6,714	7,463	1.9	1.8	2.0	2.1	2.1
Sweden	205	540	593	557	490	45	34	39	25	nav	33,938	43,921	43,000	47,000	37,909	5.6	5.4	8.2	5.0	6.6
United Kingdom	140	160	nav	nav	nav	neg	neg	neg	neg	neg	1,642	1,921	nav	nav	nav	neg	neg	neg	neg	neg
EU ¹⁾	18,636	19,255	24,253	21,197	21,065	39	31	27	29	37	41,714	48,394	74,970	68,352	87,305	4.8	3.3	3.0	3.0	3.0
Euro area ^{1), 2)}	24,491	25,244	25,715	22,204	22,061	39	32	27	29	37	53,115	61,439	77,898	70,223	90,379	4.9	3.3	2.8	2.9	2.9

1) Weighted average excluding countries for which data are not available.

2) Following its entry to the euro area, the figures for 2001 onwards include Greece.

Table 9**Number of cards ¹⁾**
(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
Belgium ²⁾	1,360	1,442	1,217	1,306	296	294	152	158	778	800	272	nav
Denmark	686	713	594	612	93	101	nav	nav	117	167	nav	nav
Germany	1,480	1,443	1,252	1,129	381	391	nav	nav	818	819	689	nav
Greece ³⁾	654	689	413	482	407	499	nav	nav	nav	nav	nav	nav
Spain	1,281	1,408	1,256	1,322	441	517	nav	nav	244	218	nav	nav
France	711	742	652	684	nav	nav	nav	nav	5	14	nav	nav
Ireland	835	865	234	267	453	456	nav	nav	nav	nav	257	232
Italy	429	477	404	459	345	375	nav	nav	1	5	neg	neg
Luxembourg	1,525	1,615	800	877	725	738	nav	nav	800	877	800	nav
Netherlands ³⁾	1,608	1,635	1,315	1,338	312	316	nav	nav	1,309	1,078	nav	nav
Austria ⁴⁾	1,120	1,158	959	988	252	259	nav	nav	884	846	nav	nav
Portugal	978	1,014	978	1,014	322	371	nav	nav	346	351	15	18
Finland ³⁾	1,186	1,212	652	727	859	906	nav	nav	141	171	0	0
Sweden ³⁾	536	643	542	549	419	472	nav	nav	63	55	nav	nav
United Kingdom	2,247	2,400	920	1,004	936	1,066	nav	nav	nav	nav	989	1,032
EU ⁵⁾	1,208	1,259	894	910	480	529	nav	nav	391	379	697	846
Euro area ^{5), 6)}	1,036	1,067	905	908	381	411	nav	nav	406	393	nav	nav

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) The cheque guarantee function was abolished with effect from 1 January 2002.

3) Cards with a credit function includes cards with a delayed debit function.

4) Credit function includes delayed debit cards (charge cards).

5) Weighted average excluding countries for which data are not available.

6) Following its entry to the euro area, the figures for 2001 onwards include Greece.

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
Belgium	15.8	15.9	37.0	39.9	20.0	18.8	7.6	14.6
Denmark	nav	nav	142.6	149.6	27.1	25.5	12.4	8.4
Germany	13.1	13.6	11.8	14.8	19.2	19.2	0.4	0.5
Greece ¹⁾	22.3	26.0	0.3	0.9	10.7	8.3	nap	nap
Spain	13.3	15.3	6.7	11.4	14.6	19.1	0.1	0.1
France ²⁾	26.9	26.7	92.4	97.9	nav	nav	8.8	22.0
Ireland	43.5	43.5	47.7	52.7	41.8	44.9	nap	nap
Italy	23.0	22.8	18.5	20.8	15.7	16.5	neg	neg
Luxembourg	9.0	8.2	41.9	47.9	41.6	42.4	3.5	7.2
Netherlands ¹⁾	19.0	18.2	45.2	49.5	9.5	8.9	1.5	5.0
Austria ³⁾	11.7	11.6	13.5	17.5	16.7	17.9	0.7	2.5
Portugal	29.8	30.7	52.4	57.2	75.5	67.6	0.9	0.2
Finland ¹⁾	40.3	38.2	86.0	95.7	26.9	26.9	1.0	0.9
Sweden ³⁾	70.2	56.0	67.7	104.0	19.8	16.6	2.7	1.5
United Kingdom	16.4	16.0	50.8	51.5	31.1	29.8	nav	nav
EU ⁴⁾	20.5	20.4	38.7	42.9	21.8	21.8	3.2	6.9
Euro area ^{4), 5)}	19.8	20.2	33.7	37.6	19.5	20.0	3.0	7.1

1) *Payments per card with a credit function includes cards with a delayed debit function.*

2) *The figures include figures for payments per card with a credit function.*

3) *Credit function includes delayed debit cards (charge cards).*

4) *Weighted average excluding countries for which data are not available.*

5) *Following its entry to the euro area, the figures for 2001 onwards include Greece.*

Table 11

Use of cashless payment instruments

(total number of transactions, millions)

	Cheques				Payments by credit/debit cards				Credit transfers						
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	87	80	71	60	29	341	402	462	523	595	675	723	657	752	808
Denmark	71	61	56	48	42	359	393	424	467	506	193	202	213	210	227
Germany ^{1),2)}	455	424	393	320	150	993	1,199	1,622	1,818	1,994	5,167	5,275	5,442	5,545	5,413
Greece ^{3),4)}	17	17	17	18	17	nav	nav	51	49	47	nav	nav	7	5	9
Spain ⁵⁾	221	209	197	167	168	402	476	508	599	1,013	251	284	338	354	410
France	4,825	4,480	4,494	4,339	4,577	2,580	2,912	3,292	3,671	4,096	1,952	2,051	2,094	2,175	2,493
Ireland	124	157	121	88	75	17	72	82	116	135	37	41	40	38	38
Italy	649	665	602	584	538	347	477	590	748	912	971	1,003	1,019	1,053	997
Luxembourg	0.9	0.8	0.7	0.5	0.38	20	23	26	28	33	10	11	12	13	13
Netherlands ⁴⁾	47	27	14	5	0.07	637	744	848	1,002	1,115	1,117	1,104	1,170	1,227	1,259
Austria ⁶⁾	22	17	12	10	7	63	85	108	140	179	480	465	499	533	480
Portugal ⁷⁾	286	283	273	274	259	316	392	476	569	626	45	52	73	45	67
Finland ⁴⁾	2	1	1	1	1	297	325	370	411	489	465	480	498	506	530
Sweden	4	4	2	2	1	213	255	323	400	579	724	797	793	764	444
United Kingdom	2,986	2,859	2,699	2,565	2,393	2,960	3,406	3,788	4,257	4,681	1,726	1,797	1,845	1,931	2,008
EU ⁸⁾	9,797	9,285	8,953	8,481	8,256	9,546	11,161	12,971	14,798	16,998	13,812	14,284	14,699	15,152	15,197
Euro area ^{8),9)}	6,719	6,344	6,179	5,865	5,820	6,014	7,107	8,385	9,674	11,232	11,170	11,489	11,841	12,246	12,518

1) Payments by credit cards: from 2000 onwards, the figure includes retailer card transactions.

2) Direct debits: debit card transactions are not included under this item but are shown under "Payments by debit cards".

3) All cheques for which the acquiring bank is different from the issuing bank.

4) The figures for payments by credit/debit cards include payments by cards with a delayed debit function.

5) This table does not include data relating to bills of exchange, traveller's cheques and other documents.

6) Credit cards does not include delayed debit cards (charge cards); credit transfers and direct debits do not include items initiated by banks; these data are not available.

7) This table does not include data related to bills of exchange.

8) Total excluding countries for which data are not available.

9) Following its entry to the euro area, the figures for 2001 onwards include Greece.

Table 11 (cont.)

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

	Direct debits			Card-based e-money			Total								
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	117	142	166	177	169	28	45	51	60	121	1,249	1,393	1,407	1,573	1,722
Denmark	113	122	130	138	146	7	8	8	8	8	743	785	831	871	928
Germany ^{(1),(2)}	4,209	4,311	4,605	4,682	4,449	14	21	27	29	36	10,838	11,229	12,090	12,394	12,041
Greece ^{(3),(4)}	nav	3	3	6	11	nav	nav	nav	nav	nav	nav	nav	79	79	84
Spain ⁽⁵⁾	837	991	1,176	1,154	1,192	2	2	2	1	1	1,713	1,962	2,222	2,276	2,784
France	1,578	1,731	1,969	2,064	2,184	nav	nav	nav	3	18	10,935	11,172	11,848	12,251	13,368
Ireland	41	49	50	50	37	neg	neg	nav	nav	nav	219	319	293	292	285
Italy	330	497	570	639	691	neg	neg	neg	neg	neg	2,297	2,642	2,780	3,025	3,137
Luxembourg	2	2	3	4	4	nav	neg	1	1	3	32	37	42	46	53
Netherlands ⁽⁴⁾	723	785	836	876	940	17	22	25	31	87	2,540	2,682	2,894	3,141	3,401
Austria ⁽⁶⁾	217	236	269	273	347	1	2	3	5	17	783	804	891	960	1,030
Portugal ⁽⁷⁾	66	99	113	119	122	5	5	5	3	1	718	831	940	1,010	1,074
Finland ⁽⁴⁾	31	39	43	48	54	0	1	1	1	1	795	846	913	967	1,075
Sweden	74	85	91	98	119	2	4	3	2	1	1,017	1,145	1,212	1,265	1,145
United Kingdom	1,736	1,863	2,010	2,152	2,289	nav	nav	nav	nav	nav	9,408	9,925	10,342	10,905	11,371
EU ⁽⁸⁾	10,073	10,953	12,034	12,480	12,753	77	110	125	144	294	43,287	45,773	48,782	51,054	53,499
Euro area ^{(8),(9)}	8,150	8,881	9,800	10,092	10,199	71	98	114	135	285	32,119	33,918	36,318	38,013	40,055

1) Payments by credit cards: from 2000 onwards, the figure includes retailer card transactions.

2) Direct debits: debit card transactions are not included under this item but are shown under "Payments by debit cards".

3) All cheques for which the acquiring bank is different from the issuing bank.

4) The figures for payments by credit/debit cards include payments by cards with a delayed debit function.

5) This table does not include data relating to bills of exchange, traveller's cheques and other documents.

6) Credit cards does not include delayed debit cards (charge cards); credit transfers and direct debits do not include items initiated by banks; these data are not available.

7) This table does not include data related to bills of exchange.

8) Total excluding countries for which data are not available.

9) Following its entry to the euro area, the figures for 2001 onwards include Greece.

Table 12

Use of cashless payment instruments

(number of transactions per inhabitant)

	Cheques				Payments by credit/debit cards				Direct debits						
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	9	8	7	6	3	34	39	45	51	58	12	14	16	17	16
Denmark	13	11	10	9	8	68	74	79	87	94	21	23	24	26	27
Germany ^{1),2)}	6	5	5	4	2	12	15	20	22	24	51	53	56	57	54
Greece ^{3),4)}	1.6	1.6	1.6	1.6	1.5	nav	nav	5	5	4	nav	0.3	0.3	0.6	1.0
Spain ⁵⁾	6	5	5	4	4	10	12	13	15	25	21	25	29	29	29
France	80	74	74	71	75	43	48	54	60	67	26	29	32	34	36
Ireland	34	42	32	23	19	4	19	22	30	35	11	13	13	13	9
Italy	11	12	10	10	9	6	8	10	13	16	6	9	10	11	12
Luxembourg	2.1	1.7	1.6	1.2	0.9	47	52	58	64	73	4	5	6	8	10
Netherlands ⁴⁾	3	2	1	0.3	neg	41	47	53	62	69	46	50	53	55	58
Austria ⁶⁾	3	2	1	1	1	8	10	13	17	22	27	29	33	34	43
Portugal ⁷⁾	28	28	27	27	25	31	39	47	55	60	7	10	11	12	12
Finland ⁴⁾	0.4	0.2	0.2	0.2	0.2	58	63	71	79	94	6	8	8	9	10
Sweden	0.5	0.5	0.2	0.2	0.1	24	29	36	45	65	8	10	10	11	13
United Kingdom	51	49	46	43	40	50	58	65	72	79	30	32	34	36	39
EU ⁸⁾	26	25	24	22	23	26	30	34	39	45	28	30	32	33	33
Euro area ^{8),9)}	23	22	21	19	20	21	24	28	32	37	28	30	33	33	33

1) Payments by credit cards: from 2000 onwards, the figure includes retailer card transactions.

2) Direct debits: debit card transactions are not included under this item but are shown under "Payments by debit cards".

3) All cheques for which the acquiring bank is different from the issuing bank.

4) The figures for payments by credit/debit cards include payments by cards with a delayed debit function.

5) This table does not include data relating to bills of exchange, traveller's cheques and other documents.

6) Credit cards does not include delayed debit cards (charge cards); credit transfers and direct debits do not include items initiated by banks; these data are not available.

7) This table does not include data related to bills of exchange.

8) Total excluding countries for which data are not available.

9) Following its entry to the euro area, the figures for 2001 onwards include Greece.

Table 12 (cont.)

Use of cashless payment instruments

(number of transactions per inhabitant)

	Credit transfers				Card-based e-money				Total						
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
	Belgium	66	71	64	73	78	2.8	4.4	5.0	5.9	11.7	122	136	137	153
Denmark	36	38	40	39	42	1.4	1.5	1.5	1.5	1.4	140	148	156	163	173
Germany ^{1),2)}	63	64	66	68	66	0.2	0.3	0.3	0.4	0.4	132	137	147	151	146
Greece ^{3),4)}	nav	nav	1	0.5	0.9	nav	nav	nav	nav	nav	nav	nav	7	7	8
Spain ⁵⁾	6	7	8	9	10	0.06	0.05	0.0	0.03	0.03	43	50	56	57	69
France	33	34	35	36	41	nav	nav	nav	0.05	0.30	182	185	196	201	218
Ireland	10	11	11	10	10	neg	neg	nav	nav	nav	59	85	77	76	73
Italy	17	17	18	18	17	neg	neg	neg	neg	neg	40	46	48	52	54
Luxembourg	22	25	27	28	30	nav	neg	2.2	2.8	6.3	76	84	94	104	120
Netherlands ⁴⁾	71	70	74	76	78	1.1	1.4	1.6	1.9	5.4	162	170	182	196	211
Austria ⁶⁾	59	57	61	66	59	0.14	0.3	0.4	0.6	2.1	97	99	110	118	126
Portugal ⁷⁾	4	5	7	4	7	0.5	0.5	0.5	0.3	0.1	71	82	92	98	104
Finland ⁴⁾	90	93	96	98	102	0.03	0.10	0.12	0.1	0.2	154	164	176	186	207
Sweden	82	90	89	86	50	0.2	0.5	0.3	0.2	0.1	115	129	137	142	128
United Kingdom	30	31	31	33	34	nav	nav	nav	nav	nav	161	170	176	185	192
EU ⁸⁾	38	39	39	40	40	0.42	0.59	0.67	0.58	1.18	118	125	129	134	140
Euro area ^{8),9)}	38	39	40	40	41	0.39	0.57	0.66	0.58	1.21	110	116	123	124	130

1) Payments by credit cards: from 2000 onwards, the figure includes retailer card transactions.

2) Direct debits: debit card transactions are not included under this item but are shown under "Payments by debit cards".

3) All cheques for which the acquiring bank is different from the issuing bank.

4) The figures for payments by credit/debit cards include payments by cards with a delayed debit function.

5) This table does not include data relating to bills of exchange, traveller's cheques and other documents.

6) Credit cards does not include delayed debit cards (charge cards); credit transfers and direct debits do not include items initiated by banks; these data are not available.

7) This table does not include data related to bills of exchange.

8) Total excluding countries for which data are not available.

9) Following its entry to the euro area, the figures for 2001 onwards include Greece.

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 (%)		
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	7.0	5.8	5.0	3.8	1.7	27.3	28.9	32.8	33.3	34.6	54.0	51.9	46.7	47.8	46.9
Denmark	9.6	7.8	6.7	5.5	4.5	48.4	50.1	51.1	53.7	54.5	25.9	25.7	25.7	24.1	24.5
Germany ^{(1),(2)}	4.2	3.8	3.3	2.6	1.2	9.2	10.7	13.4	14.7	16.6	47.7	47.0	45.0	44.7	45.0
Greece ^{(3),(4)}	nav	nav	22.1	22.5	19.2	nav	nav	64.5	62.5	56.1	nav	nav	9.1	6.8	10.8
Spain ⁽⁵⁾	12.9	10.7	8.9	7.3	6.0	23.5	24.3	22.9	26.3	36.4	14.7	14.5	15.2	15.6	14.7
France	44.1	40.1	37.9	35.4	34.2	23.6	26.1	27.8	30.0	30.6	17.8	18.4	17.7	17.8	18.7
Ireland	56.6	49.2	41.3	30.1	26.3	7.8	22.6	28.0	39.7	47.4	16.9	12.9	13.7	13.0	13.3
Italy	28.2	25.2	21.7	19.3	17.2	15.1	18.0	21.2	24.7	29.1	42.3	38.0	36.6	34.8	31.8
Luxembourg	2.7	2.1	1.6	1.2	0.7	62.7	61.7	61.5	60.9	61.2	29.7	29.9	28.1	27.2	24.9
Netherlands ⁽⁴⁾	1.8	1.0	0.5	0.2	neg	25.1	27.8	29.3	31.9	32.8	44.0	41.2	40.4	39.1	37.0
Netherlands ⁽⁴⁾	2.8	2.1	1.4	1.0	0.6	8.1	10.5	12.2	14.6	17.3	61.3	57.8	56.0	55.5	46.6
Portugal ⁽⁷⁾	39.8	34.1	29.0	27.1	24.1	44.0	47.2	50.6	56.4	58.2	6.3	6.3	7.7	4.4	6.3
Finland ⁽⁴⁾	0.3	0.1	0.1	0.1	0.1	37.4	38.4	40.5	42.5	45.5	58.5	56.8	54.6	52.3	49.3
Sweden	0.4	0.3	0.2	0.2	0.1	20.9	22.3	26.7	31.6	50.6	71.2	69.6	65.4	60.4	38.8
United Kingdom	31.7	28.8	26.1	23.5	21.0	31.5	34.3	36.6	39.0	41.2	18.3	18.1	17.8	17.7	17.7
EU ⁽⁸⁾	21.3	19.0	17.2	15.5	14.5	21.0	23.3	26.6	29.0	32.2	32.91	31.71	30.0	29.34	28.27
Euro area ^{(8),(9)}	20.1	17.8	16.0	14.6	13.8	18.4	20.7	22.7	26.6	29.6	34.8	33.4	32.3	30.8	30.1

1) Payments by credit cards: from 2000 onwards, the figure includes retailer card transactions.

2) Direct debits: debit card transactions are not included under this item but are shown under "Payments by debit cards".

3) All cheques for which the acquiring bank is different from the issuing bank.

4) The figures for payments by credit/debit cards include payments by cards with a delayed debit function.

5) This table does not include data relating to bills of exchange, traveller's cheques and other documents.

6) Credit cards does not include delayed debit cards (charge cards); credit transfers and direct debits do not include items initiated by banks; these data are not available.

7) This table does not include data related to bills of exchange.

8) Total excluding countries for which data are not available.

9) Following its entry to the euro area, the figures for 2001 onwards include Greece.

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 (%)		
	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002	1998	1999	2000	2001	2002
Belgium	3.2	0.6	0.5	0.6	0.7	0.2	0.1	0.2	0.2	0.2	96.3	98.9	99.0	99.0	98.7
Denmark	31.0	24.0	20.8	18.9	16.5	3.3	3.6	3.7	4.0	4.3	58.4	64.3	66.8	67.8	69.6
Germany ^{1),2)}	10.4	3.8	3.2	2.7	2.3	0.3	0.3	0.4	0.4	0.4	75.6	83.1	85.6	84.7	85.4
Greece ^{3),4)}	nav	nav	4.4	7.9	5.2	nav	nav	nav	0.1	0.1	nav	nav	95.5	92.0	94.7
Spain ⁵⁾	42.1	38.7	35.6	31.3	26.4	1.1	1.2	1.2	1.3	1.8	46.2	47.2	45.8	54.3	56.1
France	2.6	2.9	2.9	2.3	2.4	0.1	0.2	0.2	0.2	0.2	96.6	96.2	96.2	96.8	96.7
Ireland	77.7	78.7	72.5	72.3	68.7	0.3	1.3	1.6	2.7	4.1	19.0	15.9	17.9	14.3	16.3
Italy	2.9	3.7	3.2	2.9	3.1	0.1	0.1	0.1	0.2	0.2	96.2	94.6	95.1	95.1	94.6
Luxembourg	12.8	9.5	8.00	7.85	7.10	5.4	4.0	4.0	4.4	5.1	81.1	85.9	87.2	86.6	85.7
Netherlands ⁴⁾	0.1	0.1	0.1	0.0	neg	1.2	1.4	1.4	1.4	1.6	93.8	92.9	93.3	93.6	93.1
Austria ⁶⁾	3.0	2.3	1.8	1.6	1.4	0.4	0.5	0.6	0.7	1.0	85.3	89.2	89.7	90.2	91.0
Portugal ⁷⁾	6.8	13.3	15.0	15.6	14.0	0.2	0.4	0.5	0.6	0.7	92.6	85.4	83.4	82.6	84.5
Finland ⁴⁾	7.4	6.8	7.6	6.5	3.9	0.8	0.9	1.0	1.1	1.1	90.8	91.2	90.2	91.3	93.7
Sweden	0.4	0.3	0.2	0.2	0.2	1.5	1.9	2.2	2.8	5.3	96.0	95.2	94.8	94.1	90.8
United Kingdom	4.4	2.8	2.5	2.2	2.2	0.3	0.2	0.2	0.2	0.2	94.4	96.3	96.6	97.0	96.9
EU ⁸⁾	10.2	8.3	7.5	6.9	6.4	0.4	0.5	0.5	0.6	0.7	84.1	85.8	86.6	87.3	87.6
Euro area ^{8),9)}	11.3	9.3	8.6	7.7	7.2	0.4	0.5	0.5	0.5	0.6	82.1	83.8	84.4	85.6	86.1

1) Payments by credit cards: from 2000 onwards, the figure includes retailer card transactions.

2) Direct debits: debit card transactions are not included under this item but are shown under "Payments by debit cards".

3) All cheques for which the acquiring bank is different from the issuing bank.

4) The figures for payments by credit/debit cards include payments by cards with a delayed debit function.

5) This table does not include data relating to bills of exchange, traveller's cheques and other documents.

6) Credit cards does not include delayed debit cards (charge cards); credit transfers and direct debits do not include items initiated by banks; these data are not available.

7) This table does not include data related to bills of exchange.

8) Total excluding countries for which data are not available.

9) Following its entry to the euro area, the figures for 2001 onwards include Greece.

Table 15

Features of selected interbank funds transfer systems

(end of 2002)

	Type	Owner/Manager	No. of participants		Processing	Settlement	Membership
				<i>of which direct</i>			
EUROPEAN UNION							
TARGET							
ELLIPS (BE)	L	B+CB	93	17	RTT	RTGS	RM
Kronos (DK)	L	CB	96	32	RTT	RTGS	RM
RTGS ^{plus} (DE) ^{1), 2)}	L	CB	1,382	75	RTT	RTGS	RM
ELS (DE) ¹⁾	nap	nap	nap	nap	nap	nap	nap
HERMES (GR)	L	CB	41	41	RTT	RTGS	RM
SLBE (ES)	L	CB	239	198	RTT	RTGS	RM
TBF (FR)	L	CB	705	195	RTT	RTGS	O
IRIS (IE)	L	CB + B	22	22	RTT	RTGS	RM
BI-REL (IT)	L	CB	844	663	RTT	RTGS	RM
LIPS-Gross (LU)	L	B/CB	31	31	RTT	RTGS	RM
TOP (NL)	L	CB	158	108	RTT	RTGS	RM
ARTIS (AT)	L	CB	71	70	RTT	RTGS	RM
SPGT (PT)	L	CB	37	37	RTT	RTGS	RM
BoF-RTGS (FI)	L	CB	17	17	RTT	RTGS	RM
E-RIX (SE)	L	CB	13	13	RTT	RTGS	RM
CHAPS Euro (UK)	L	B+CB	44	20	RTT	RTGS	RM
EURO 1	L	B	74	74	RTT	SOS	RM
BELGIUM							
Clearing House	R	B+CB	92	34	RTT	N	O
CEC	R	B+CB	95	30	RTT	N	O
DENMARK							
Kronos	L	CB	126	126	RTT	RTGS	RM
Retail Clearing	R	B	166	63	ACH	N	O
GERMANY							
RPS (former DTA)	R	CB	2,188	2,188	ACH	GS	O
EAF (former EAF2) ¹⁾	nap	nap	nap	nap	nap	nap	nap
GREECE							
DIAS	R	B+CB/AS	35	35	ACH	N	O
ACO	R	B+CB/AS	59	59	M	N	O
SPAIN							
SPI	L	B	174	37	RTT	N	O
SNCE	R	CB	239	27	RTT	BN	RM
FRANCE							
CH Paris ³⁾	R	B/PA	nap	nap	M	N	RM
CH Province ³⁾	R	CB	nap	nap	M	N	O
SIT	R	CB+B/PA	660	17	ACH	N	O
CREIC ³⁾	R	B/CB	nap	nap	ACH	N	O
PNS	L	CB+B/PA	537	22	RTT	BN/RTGS	RM
IRELAND							
Retail Clearings	R	CB + B	12	7	M	N	RM
ITALY							
Local clearing	R	CB	116	116	RTT 4)	N	O
Retail	R	CB 5)	nav	205	ACH	N	O
LUXEMBOURG							
LIPS-Net	R	B/CB	13	13	ACH	N	RM
NETHERLANDS							
Interpay	R	B	73	73	ACH	N	RM
PORTUGAL							
SICOI	R	B	60	39	RTT	N	RM
SLOD	R	CB	143	143	M	GS	O

	Type	Owner/Manager	No. of participants		Processing	Settlement	Membership
				<i>of which direct</i>			
FINLAND							
PMJ	R	B	8	8	⁶⁾	BN	RM
POPS	L+R	B	8	8	RTT	N/GS	RM
SWEDEN							
K-RIX	L	CB	19	19	RTT	RTGS	RM
Bankgirot	R	B	19	19	ACH	N	O
Dataclearing	R	B	19	19	ACH	N	O
Postgirot ⁷⁾	R	B	1,200,000	1,200,000	ACH	GS	O
UNITED KINGDOM							
CHAPS Sterling	L	B+CB	289	13	RTT	RTGS	RM
BACS	R	B	62,000	14	ACH	N	RM
Cheque and Credit Clearings	R	B	418	12	M	N	RM

Type: L = Large value; R = Retail.

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

Processing method: M = manual; ACH = Automated Clearing House (off-line); RTT = Real-time transmission.

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

SOS = single obligation structure.

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

1) RTGSplus, the new RTGS system, opened for business on 5 November 2001. At this time, ELS (the former RTGS system) and EAF were closed down. For the time being, ELS serves as a procedure for accessing RTGSplus.

2) Number of participants includes only direct participants and indirect participants of the Deutsche Bundesbank. Others, which are reachable via RTGSplus, are not included.

3) Closed during 2002.

4) Transactions can also be submitted on floppy disk.

5) System managed by SIA (Interbank Company for Automation) in the name and on behalf of the Banca d'Italia.

6) Batch processing and transmission.

7) Postgirot is a "quasi-system", i.e. a special purpose link that allows transfer between accounts.

Table 15 (cont.)**Features of selected interbank funds transfer systems***(end of 2002, for data: total for the 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	
				2001	2002	2001	2002	2001	2002
EUROPEAN UNION									
TARGET¹⁾									
ELLIPS (BE)	C	F	18.00	1,840	1,730	14,313	13,339	56.3	51.2
Kronos (DK)/DEBES	C	F	18.00	106	109	1,431	1,931	8.0	10.5
RTGS ^{plus} (DE) ²⁾	C	F	18.00	4,829	31,893	19,436	124,784	9.4	59.2
ELS (DE) ²⁾	nap	nap	nap	19,031	nap	49,292	nap	23.8	nap
HERMES (GR)	C	F	19.00	1,058	1,210	2,410	2,683	18.4	19.0
SLBE (ES)	C	F	18.00	2,671	3,086	53,228	63,444	81.7	91.4
TBF (FR)	C	F	18.00	3,801	3,825	87,573	90,877	59.3	59.8
IRIS (IE)	C	F	17.00	543	582	4,535	4,886	39.6	38.1
BI-REL (IT)	C	F	18.00	10,247	9,612	27,145	25,150	22.2	20.0
LIPS-Gross (LU)	C	F	18.00	290	350	4,436	4,428	200.7	198.6
TOP (NL)	C	F	18.00	4,023	4,548	20,689	20,803	48.2	46.8
ARTIS (AT)	C	F	18.00	1,869	2,620	4,981	4,810	23.5	22.2
SPGT (PT) ³⁾	C	F	17.00	546	892	2,209	2,325	17.9	18.0
BoF-RTGS (FI)	C	F	19.00	300	260	3,582	3,260	26.5	23.3
E-RIX (SE)	C	F	17:00	70	100	1,414	1,385	5.8	5.4
CHAPS Euro (UK) ⁴⁾	C	F	17:00	2,600	3,700	29,977	29,890	18.8	18.0
EURO 1⁵⁾	C	F	16:00	28,633	34,401	52,034	47,996	5.9	5.2
BELGIUM									
Clearing House	D	V	15.00	3,520	1,730	89	75	0.3	0.3
CEC	C	F	15.00	919,050	985,400	508	531	2.0	2.0
DENMARK									
Kronos DN Inquiry and Transfer System	C	F	18.00	398	366	4,823	5,433	27.1	29.6
Retail Clearing	C/D	S	09.00	851,813	908,498	546	556	3.1	3.0
GERMANY									
RPS (former DTA)	D	F	nap	2,197,487	2,156,752	2,202	2,112	1.1	1.0
EAF (former EAF2) ²⁾	nap	nap	nap	11,014	nap	35,026	nap	16.9	nap
GREECE									
DIAS	C	V	16.00	29,178	24,546	67	70	0.5	0.5
ACO	D	V	15.30	5,197	4,477	196	187	1.5	1.3
SPAIN									
SPI	C	F	16.00	1,365	1,776	360	303	0.6	0.4
SNCE	C	V	NO	982,283	1,059,621	1,272	1,423	2.0	2.1
FRANCE									
CH Paris ⁶⁾	C	F	nap	677,765	93,303	763	184	0.5	0.1
CH Province ⁶⁾	D	N	nap	2,469,057	53,640	987	23	0.7	neg
SIT	C	F	13.30	7,131,087	11,043,476	2,444	4,442	1.7	2.9
CREIC ⁶⁾	D	V	nap	270,165	4,316	23	neg	0.02	neg
PNS	C	F	16.00	8,004	7,571	22,324	19,967	15.1	13.1
IRELAND									
Retail Clearings	D	F	13.45	176,056	149,089	311	245	2.7	1.9
ITALY									
Local clearing	C	V	12.00	105,360	102,698	716	727	0.6	0.6
Retail	C	F	NO 7)	1,269,828	1,630,549	1,733	1,871	1.4	1.5
LUXEMBOURG									
LIPS-Net	C	F	16.00	13,100	13,700	48	48	2.2	2.2
NETHERLANDS									
Interpay	C	F	17.00	2,558,284	2,812,350	1,574	1,673	3.7	3.8
PORTUGAL									
SICOI	C	V	14.45	1,100,700	1,188,362	361	308	2.9	2.4
SLOD	C	F	17.00	19	29	57	49	0.5	0.4

	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	
				2000	2001	2000	2001	2000	2001
FINLAND									
PMJ	D	F	15.45	371,200	432,000	146	168	1.1	1.2
POPS	D	F	16.30	700	661	415	392	3.1	2.8
SWEDEN									
K-RIX	C	F	17:00	655	1,100	12,250	12,449	50.0	48.7
Bankgirot	C	F	⁸⁾	345,200	363,000	420	441	1.7	1.7
Dataclearing	C	F	⁸⁾	66,910	73,000	120	132	0.5	0.5
Postgirot	C	F	⁸⁾	450,000	404,000	410	366	1.7	1.4
UNITED KINGDOM									
CHAPS Sterling	C	F	17:00	23,962	25,600	85,083	82,532	53.3	49.7
BACS	C	F	NO	3,527,340	3,735,000	3,483	3,788	2.2	2.3
Cheque and Credit Clearings	D	F	NO	1,940,000	1,817,000	2,315	2,300	1.4	1.4

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 (C.E.T.).

- 1) Domestic payments in each RTGS system participating in or connected to TARGET and cross-border payments sent by each RTGS system participating in or connected to TARGET.
- 2) RTGSplus, the new RTGS system, opened for business on 5 November 2001. At this time, ELS (the former RTGS system) and EAF were closed down. For the time being, ELS serves as a procedure for accessing RTGSplus.
- 3) These figures include SLOD transactions.
- 4) Includes both domestic and cross-border (TARGET) payments. The figure for 2001 excludes inward cross-border payments.
- 5) The transaction value-to-GDP ratio is calculated against the GDP of the 15 EU Member States.
- 6) Closed during 2002.
- 7) Except for credit transfers entered before 10 a.m., which are settled on the same day.
- 8) No same-day transactions.

Table 16

Operating hours of selected large-value interbank funds transfer systems

(end of 2002)

System	Gross (G) or net (N)	Opening/closing time for same-day value (local time)	Settlement finality	Cut-off for all third-party payment orders (local time)	Cut-off for international correspondents' payment orders (local time)	Memo item: Standard money market hours (local time)
EUROPEAN UNION						
TARGET						
ELLIPS (BE)	G	07.00 / 18.00	real-time	17.00	18.00	07.00 / 18.00
Kronos (DK)	G	07.00 / 18.00	real-time	17.00	17.00	nap
RTGSplus (DE)	G	07.00 / 18.00	real-time	17.00	nap	08.30 / 18.00
HERMES (GR)	G	08.00 / 19.00	real-time	18.00	nap	09.00 / 18.30
SLBE (ES)	G	07.00 / 18.00	real-time	17.00	nap	07.00 / 18.00
TBF (FR)	G	07.00 / 18.00	real-time	17.00	nap	09.00 / 17.00
IRIS (IE)	G	06.00 / 17.00	real-time	16.00	17.00	06.00 / 17.00
BI-REL (IT)	G	07.00 / 18.00	real-time	17.00	nap	07.00 / 18.00
LIPS-Gross (LU)	G	07.00 / 18.00	real-time	17.00	nap	nap
TOP (NL)	G	07.00 / 18.00	real-time	17.00	17.00	07.00 / 18.00
ARTIS (AT)	G	07.00 / 18.00	real-time	18.00	18.00	18.30
SPGT (PT)	G	06.00 / 17.00	real-time	16.00	16.00	07.00 / 17.00
BoF-RTGS (FI)	G	08.00 / 19.00	real-time	18.00	¹⁾	08.00 / 19.00
E-RIX (SE)	G	07.00 / 18.00	real-time	17.00	18.00	09.00 / 16.15
CHAPS Euro (UK)	G	06.00 / 17.00	-	16.00	16.00	-
EURO 1	N	07.30 / 16.00	after cut-off, usually around 16:30	16.00	16.00	07.00 / 18.00
DENMARK						
Kronos	G	08.00 / 15.30	real-time	15.30	15.30	08.30 / 16.00
SPAIN						
SPI	N	0.00 / 16.00	16.00 / 16.15	16.00	nap	07.00 / 18.00
FRANCE						
PNS	G/N	08.00 / 16.00	real-time	16.00	nap	09.00 / 17.00
PORTUGAL						
SLOD	G	06.00 / 17.00	nap ²⁾	16.00	16.00	07.00 / 17.00
FINLAND						
POPS	G/N	08.00 / 16.30	³⁾	16.30	nap	08.00 / 19.00
SWEDEN						
K-RIX	G	07.00 / 17.00	07.00 / 17.00	17.00	17.00	09.00 / 16.15
UNITED KINGDOM						
CHAPS Sterling	G	06.00 / 17.00	-	16.00	16.00	07:00 / 16:00

Some systems do not make an 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.

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

1) Normal TARGET cut-off times.

2) SLOD is a semi-automated system. Settlement is only final when the sender account is debited, which may occur anytime during operating hours.

3) In net settlement, the payment becomes final and irrevocable when the payment has had an effect on the bilateral net position.

Table 18
Direct participants in EU RTGS systems
(end of 2002)

Name of the system	BE	DK	DE	GR	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK			
	ELLIPS	Kronos (DKK)	Kronos (EUR)	RTGS ^{plus}	HERMES	SLBE	TBF	IRIS	BI-REL	LIPS-GROSS	TOP	ARTIS	SPGT	BoF-RTGS	K-RIX	E-RIX	CHAPS sterling	CHAPS Euro
Direct participants	17	132	33	75	41	198	175	22	663	30	108	70	39	17	19	13	13	20
Credit institutions	15	125	32	74	40	178	148	20	652	29	100	69	37	11	14	8	12	19
Central bank	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Non-banks	1	6	0	0	0	19	26	1	10 ¹⁾	0	7 ²⁾	1	1	5 ³⁾	4	4	0	0
of which:																		
public authorities	0	0	0	0	0	0	nap	1	1	0	2	1	1	1	nap	nap	0	0
postal administration	1	0	0	0	0	0	1	1	0	0	0	0	nap	nap	nap	nap	0	0
supervised financial institutions	0	6	0	0	0	19	25	nap	6	0	4	0	nap	4	4	4	0	0

1) Includes one clearing house and one CSD.

2) Includes four other non-banks (clearing and settlement organisations).

3) Includes one clearing and settlement organisation.

Table 19
Direct participants in EU large-value payment systems
(end of 2002)

	EU	ES	FR	IE	FI
Name of the system	EURO 1	SPI	PNS	IRIS	POPS
Direct participants	74	37	22	22	8
Credit institutions	74	36	21	20	8
Central bank	0	1	nap	1	nap
Non-banks	0	nap	1	1	nap
<i>of which:</i>					
<i>public authorities</i>	0	nap	nap	1	nap
<i>postal administration</i>	0	nap	1	nap	nap
<i>supervised financial institutions</i>	0	nap	nap	nap	nap

Table 20

Direct participants in EU retail IFTSs

(end of 2002)

Name of the system	BE		DK	DE	GR		ES	FR		IE	IT		LU	NL	PT		FI	SE			UK	
	CEC	Clearing house			Retail Clearing	RPS		DIAS	ACO		SNCE	CH and CREC 1)			SIT	Retail Clearings		Retail system	Local clearing	LIPS-Net	INTERPAY	SICOI
Direct participants	30	34	69	2,188	35	59	27	nap	17	7	205	116	13	73	39	143	1	19	19	19	14	12
Credit institutions	26	31	68	2,187	34	58	26	nap	15	6	202	113	11	73	36	71	8	19	19	13	11	
Central bank	1	1	1	1	1	1	1	nap	1	1	1	1	1	0	1	nap	nap	nap	nap	nap	1	1
Non-banks	3	2	0	0	0	0	nap	nap	1	nap	2	2	1	nap	1	72	nap	nap	nap	1,200,000	0	0
of which:																						
public authorities	2	1	0	0	0	0	nap	nap	nap	nap	1	1	0	nap	1	nap	nap	nap	nap	1,200,000	0	0
postal administration	1	1	0	0	0	0	nap	nap	1	nap	1	1	1	nap	nap	nap	nap	nap	nap	nap	0	0
supervised financial institutions	0	0	0	0	0	0	nap	nap	nap	nap	0	0	0	nap	nap	72	nap	nap	nap	nap	0	0

1) Closed during 2002

Table 21
Access criteria of EU RTGS systems
(end of 2002)

Name of the system	BE	DK		DE	GR	ES	FR	IE	IT	LU	NL	AT	PT	FI	SE	UK	
	ELLIPS	Kronos (DKK)	Kronos (EUR)	RTGSplus	HERMES	SLBE	TBF	IRIS	BIREL	LIPS-Gross	TOP	ARTIS	SPT	BøF-RTGS	K-RIX	E-RIX	CHAPS Sterling/Euro
Written rules	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Minimum level of data or ratios representative of the financial strength	+	-	-	-	+	+	-	-	-	-	-	-	-	-	-	-	-
Minimum number of transactions	-	-	-	-	+	+	+	+	+	+	+	+	+	+	+	+	+
Payment of an entry fee	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Approval from the owner/manager or the direct participants	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Approval from the local central bank	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Technical requirements	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Removal rules	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Key: + = yes, - = no

1) The owner/manager is the central bank.

Table 22**Access criteria of other EU large-value payment systems***(end of 2002)*

	EU	ES	FR	FI
Name of system	EURO 1	SPI	PNS	POPS
Access criteria	+	+	+	+
Written rules	+	+	+	+
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	+	+	+	+
Approval from the local central bank	-	+	+	+
Technical requirements	+	+	+	+
Removal rules	+	+	+	+

Key: + = yes, - = no

Table 23

Risk control measures in EU large-value NSSs

	EU	ES	FR	FI
	EURO 1	SPI	PNS	POPS
Compliance with the core principles ¹⁾	+	+	+	+
I. Legal framework	+		+	
<i>contractual (+) or advisory (-) netting</i>	nap ²⁾	+		+
<i>if contractual: legally enforceable (+) or not (-)</i>	nap ²⁾	+	nap ³⁾	+
II. Participants' awareness	+	+	+	+
III. Risk management	+	+	+	+
<i>monitoring of intraday balance</i>	+	+	nap ⁴⁾	+
<i>multilateral limits</i>	+	+	nap ⁴⁾	- ⁶⁾
<i>collateral requirements</i>	+	+	nap ⁴⁾	-
<i>intraday closures</i>		-	+ ⁵⁾	+
IV. Same-day settlement	+	+	+	+
V. Timely settlement completion	+	+		7)
<i>risk-sharing agreements</i>	+	+	nap ³⁾	-
<i>full collateralisation of largest net debit position</i>	+	+	nap ⁴⁾	-
VI. Secure settlement assets	+	+	+	+
VII. Technical reliability	+	+	+	+
VIII. Practicability and efficiency	+	+	+	+
IX. Fair open access	+	+	+	+
X. Governance arrangements	+	+	+	+

Key : + = yes, - = no.

1) "Core Principles for Systemically Important Payment Systems", Bank for International Settlements, Basel, January 2001.

2) EURO 1 system is based on a special legal arrangement, the Single Obligation Structure (SOS).

3) PNS is an hybrid system; the legal and risk framework is comparable to that of an RTGS System.

4) PNS functions on the basis of positive balances, i.e. a multilateral debit cap set to 0.

5) Continuous settlement mechanism.

6) The settlement method applied to POPS payments depends on the value of the transfer. Payments exceeding the interbank bilateral limit - the RTGS limit - are settled on a gross basis in the BoF-RTGS system. Smaller payments are netted bilaterally so that banks' net positions vis-à-vis each other are updated constantly during the day by the exchange of payment clearing data. When an interbank bilateral net debit cap nears its limit, the indebted bank is obliged to effect a covering transfer in the BoF-RTGS system to clear the limit. At the end of the day funds transfers are effected to clear bilateral debt positions.

7) Risk-sharing agreements have not been implemented owing to the small number of participants and the possibility of reducing risks by adjusting the bilateral limits. Collateralisation has not been implemented owing to the bilateral structure. The POPS limits are small and incorporated in overall interbank limits.

Table 2(a)
SWIFT traffic: Intra-EU message flows in 2001
(in 2002, number of messages)

From/to	Belgium	Denmark	Germany	Greece	Spain	France	Ireland	Italy	Luxembourg	Netherlands	Austria	Portugal	Finland	Sweden	United Kingdom	Total EU	Total non-EU	Total all countries
Belgium	14,447,531	485,177	4,277,640	167,655	1,586,259	4,794,218	707,980	2,430,515	3,586,173	6,146,446	696,465	305,840	275,806	434,481	19,398,138	59,720,324	22,129,037	8,184,936
Denmark	445,113	2,386,610	1,734,642	37,614	157,685	480,038	59,059	329,178	304,033	596,045	113,353	53,277	336,345	1,193,821	2,248,844	10,475,657	4,684,116	15,159,773
Germany	3,937,202	1,312,816	34,657,899	795,101	2,448,434	6,314,197	573,220	6,327,574	3,430,625	5,080,253	4,081,105	702,282	614,357	1,083,931	20,008,699	91,367,895	46,570,887	137,938,782
Greece	210,912	40,611	951,996	5,018,952	101,083	255,306	21,735	519,081	147,713	194,102	63,854	304,456	13,233	57,864	1,957,401	9,584,299	2,688,256	12,249,555
Spain	1,208,366	152,248	2,704,995	71,385	5,157,139	2,091,520	130,369	1,502,265	848,750	924,191	150,339	63,187	53,485	151,794	8,157,199	23,916,918	8,162,656	32,079,574
France	3,744,827	364,518	6,232,712	185,778	1,879,082	25,628,460	241,444	3,136,484	2,208,484	2,685,072	393,796	414,787	189,787	442,582	22,723,550	70,471,363	23,401,395	93,872,958
Ireland	309,481	50,297	553,231	20,212	95,424	201,579	1,630,990	139,135	94,613	443,864	44,655	24,188	16,248	62,341	2,120,749	5,807,007	2,329,764	8,136,771
Italy	2,328,383	233,377	5,420,685	285,411	1,118,132	3,231,234	151,668	6,161,229	2,766,928	1,209,536	721,521	181,233	92,827	208,173	12,796,657	36,906,594	13,202,295	50,109,289
Luxembourg	3,311,128	201,319	6,915,339	126,031	333,813	3,362,699	66,186	4,744,820	8,785,249	1,516,107	436,757	209,730	117,744	269,427	5,673,546	36,069,895	13,705,338	49,775,233
Netherlands	4,802,150	374,849	5,183,169	118,100	615,322	3,123,980	443,915	1,100,076	1,239,490	30,314,141	438,722	146,694	167,683	461,078	15,654,773	64,184,142	14,105,589	78,289,731
Austria	495,418	121,541	5,027,044	63,395	173,703	477,971	56,536	1,016,267	292,912	611,732	4,028,373	44,817	58,981	128,925	1,619,895	14,217,510	5,939,633	20,157,143
Portugal	466,813	55,691	740,662	21,364	747,377	444,559	22,532	294,847	270,170	219,977	48,051	344,641	11,980	36,519	1,120,338	4,845,521	1,776,633	6,622,154
Finland	507,536	478,836	928,002	14,815	94,458	707,106	23,794	198,915	330,894	306,505	68,062	19,462	1,392,330	1,806,704	4,878,046	11,755,465	3,331,841	15,087,306
Sweden	949,923	1,934,127	1,567,047	111,247	234,013	660,349	65,359	376,614	452,467	673,328	149,712	60,482	1,348,210	4,097,857	6,869,591	19,550,326	6,277,268	25,827,594
United Kingdom	7,580,115	1,740,201	14,459,539	892,732	3,728,119	11,917,110	2,876,618	7,941,758	3,610,536	9,525,327	1,280,512	680,186	1,443,839	4,028,577	95,274,141	166,979,310	90,538,437	257,517,747
Total EU	44,744,898	9,932,218	91,354,602	7,929,792	18,470,043	63,690,326	7,071,465	36,219,758	28,349,037	60,446,636	12,715,277	3,849,948	6,132,855	14,464,074	220,481,767	625,852,626	258,840,345	884,692,971
Total non-EU	15,798,951	4,575,136	45,191,578	1,572,921	6,897,678	22,871,243	4,085,911	13,441,613	12,607,290	12,135,831	6,090,372	1,345,546	2,364,491	5,163,197	109,052,319	263,104,077	609,646,946	932,714,021
Total all countries	60,543,849	14,507,354	136,546,180	9,502,713	25,367,721	86,561,569	11,157,316	49,661,371	40,956,327	72,582,457	18,715,649	5,195,494	8,497,346	19,627,271	329,534,086	888,956,703	928,487,291	1,817,443,994

Table 24b

Geographical breakdown of SWIFT message flows*(in 2002)*

	Messages sent			Messages received		
	Total	To domestic users (% of total)	To other EU countries (% of total)	Total	From domestic users (% of total)	From other EU countries (% of total)
Belgium	81,849,361	18%	55%	60,543,849	24%	50%
Denmark	15,159,773	16%	53%	14,507,354	16%	52%
Germany	137,938,782	25%	41%	136,546,180	25%	42%
Greece	12,269,555	41%	37%	9,502,713	53%	31%
Spain	32,079,574	16%	58%	25,367,721	20%	52%
France	93,872,958	27%	48%	86,561,569	30%	44%
Ireland	8,136,771	20%	51%	11,157,316	15%	49%
Italy	50,109,289	12%	61%	49,661,371	12%	61%
Luxembourg	49,775,233	18%	55%	40,956,327	21%	48%
Netherlands	78,289,731	39%	43%	72,582,457	42%	42%
Austria	20,157,143	20%	51%	18,715,649	22%	46%
Portugal	6,622,154	5%	68%	5,195,494	7%	67%
Finland	15,087,306	9%	69%	8,497,346	16%	56%
Sweden	25,827,594	16%	60%	19,627,271	21%	53%
United Kingdom	257,517,747	37%	28%	329,534,086	29%	38%
Total EU	884,692,971	27%	44%	888,956,703	27%	43%
Total non-EU	932,751,023	20%	21%	928,487,291	20%	21%
Total all countries	1,817,443,994	22%	24%	1,817,443,994	22%	24%

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

	Number of users of the SWIFT network			
	Members	Sub-members	Participants	Total number of users
Belgium	21	46	19	86
Denmark	24	11	15	50
Germany	111	113	54	278
Greece	16	19	11	46
Spain	39	54	14	107
France	59	124	64	247
Ireland	13	42	24	79
Italy	134	87	37	258
Luxembourg	20	121	18	159
Netherlands	25	49	33	107
Austria	48	20	22	90
Portugal	24	21	8	53
Finland	8	5	2	15
Sweden	8	10	13	31
United Kingdom	60	278	116	454
Total EU	610	1,000	450	2,060
Total non-EU	1,607	2,130	1,804	5,541
Total all countries	2,217	3,130	2,254	7,601

Table 24d

Relative share of EU countries in SWIFT traffic, membership and shareholding*(in 2002)*

	Share of messages		Share of total		Share of equity holding	
	sent (%)	received (%)	members (%)	users (%)	quantity	percentage (%)
Belgium	5%	3%	1%	1%	2,434	3%
Denmark	1%	1%	1%	1%	1,069	1%
Germany	8%	8%	5%	4%	6,705	8%
Greece	1%	1%	1%	1%	548	1%
Spain	2%	1%	2%	1%	2,020	2%
France	5%	5%	3%	3%	1,832	2%
Ireland	0%	1%	0.6%	1%	526	1%
Italy	3%	3%	6%	3%	3,901	5%
Luxembourg	3%	2%	1%	2%	1,190	1%
Netherlands	4%	4%	1%	1%	1,547	2%
Austria	1%	1%	2%	1%	1,732	2%
Portugal	0.4%	0.3%	1%	1%	674	1%
Finland	1%	0.5%	0.4%	0.2%	755	1%
Sweden	1%	1%	0.4%	0.4%	4,322	5%
United Kingdom	14%	18%	3%	6%	3,337	4%
Total EU	49%	49%	28%	27%	32,592	38%
Total non-EU	51%	51%	72%	73%	53,911	62%
Total all countries	100%	100%	100%	100%	86,503	100%

EURO AREA TABLES*

Table 1

Settlement media used by non credit institutions

(end of year, EUR billions)

	2002
Currency in circulation outside the MFI sector	341.2
Transferable deposits	2,082.7
Narrow money supply (M1)	2,423.9
<i>Memorandum items:</i>	
Broad money supply (M3)	5,784.9

Table 2

Banknotes and coins

(end of year, total value, EUR billions)

	2002
Currency in circulation	392.9
Total banknotes in circulation ¹⁾	371.8
<i>of which:</i>	
<i>Euro 500.00</i>	83.5
<i>Euro 200.00</i>	24.2
<i>Euro 100.00</i>	67.3
<i>Euro 50.00</i>	121.8
<i>Euro 20.00</i>	39.5
<i>Euro 10.00</i>	16.4
<i>Euro 5.00</i>	6.0
Total coins in circulation ¹⁾	21.1
<i>of which:</i>	
<i>Euro 2.00</i>	4.9
<i>Euro 1.00</i>	3.6
<i>Euro 0.50</i>	1.8
<i>Euro 0.20</i>	1.0
<i>Euro 0.10</i>	0.6
<i>Euro 0.05</i>	0.3
<i>Euro 0.02</i>	0.1
<i>Euro 0.01</i>	0.1
Currency in circulation held by the MFI sector	51.7
Currency in circulation outside the MFI sector	341.2

*) These tables contain figures that are only available at an aggregated euro area level. Figures are presented in euro.

1) The figures include also the value of the legacy banknotes and coins in circulation. This decision was taken on account of the fact that legacy currencies were easily converted into euro at the irrevocably fixed conversion rates.

COUNTRY TABLES

BELGIUM

Table 1

Basic statistical data

	1998	1999	2000	2001	2002
Population (thousands)	10,203	10,222	10,246	10,281	10,334
GDP (EUR billions) ¹⁾	225.2	235.6	247.5	254.3	260.7
GDP per capita (EUR) ¹⁾	22,076	23,051	24,153	24,733	25,232
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
end of year ²⁾	40.3399	40.3399	40.3399	40.3399	40.3399
average ²⁾	40.6207	40.3399	40.3399	40.3399	40.3399

1) In all tables, the irrevocable conversion rate to the euro has been used for 1998 data.

2) Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999.

Table 2

Settlement media used by non-banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Banknotes and coins	10.88	12.00	11.87	7.10	nap ¹⁾
Transferable deposits	34.8	46.9	49.6	53.2	55.1
Other	nav	nav	nav	nav	nav
Narrow money supply (M1)	45.7	58.9	61.4	60.3	nap ¹⁾
Memorandum items:					
Broad money supply	197.1	210.3	213.4	222.1	236.9 ²⁾
Transferable deposits in foreign currencies ³⁾	7.09	3.72	4.60	4.00	3.66
Outstanding value on e-money schemes					
of which:					
on card-based products	0.028	0.038	0.049	0.111	0.109
on network-based products	nav	nav	nav	nav	nav

1) Due to banknote migration, data are available only at an aggregated euro area level, not for individual euro area countries.

2) Excluding currency in circulation. This figure is not comparable with the ones reported the previous years.

3) All deposits made by Belgian residents in Belgium in foreign currencies until 1998, and in non-euro area currencies from 1999.

Table 3

Settlement media used by banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank	0.84	7.34	7.25	7.62	7.30
of which:					
required reserves ¹⁾	0.82	7.29	7.25	7.62	7.30
free reserves ²⁾	0.02	0.05	neg	neg	neg
Transferable balances held at other banks ³⁾	4.60	6.46	7.04	13.25	8.02
Memorandum item:					
Institutions' borrowing from central bank	0.12	neg	neg	neg	neg

1) In preparation for the introduction of the euro, the NBB carried out tests on required reserves in September 1998.

2) Until 1998: average of end-of-month figures; 1999: end-of-year figures.

3) Payment means held by Belgian credit institutions with other credit institutions (sight accounts, BEF and foreign currencies, in Belgium and abroad).

Table 4

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

	1998		1999		2000		2001		2002	
	EUR	BEF	EUR	BEF	EUR	BEF	EUR	BEF	EUR	BEF
Total banknotes issued	11.97	482.9	13.43	541.9	13.48	543.6	9.20	371.4		
<i>of which:</i>										
<i>BEF 10,000</i>	5.71	230.4	6.69	269.7	6.81	274.8	3.97	160.1		
<i>BEF 2,000</i>	3.86	155.6	4.12	166.2	4.05	163.2	2.98	120.1		
<i>BEF 1,000</i>	1.63	65.7	1.80	72.7	1.81	73.0	1.63	65.9		
<i>BEF 500</i>	0.36	14.7	0.40	16.0	0.39	15.7	0.29	11.7		
<i>BEF 200 ¹⁾</i>	0.15	6.0	0.16	6.5	0.16	6.6	0.13	5.4		
<i>BEF 100</i>	0.26	10.5	0.27	10.8	0.26	10.3	0.20	8.2		
Total coins issued	0.57	23.0	0.60	24.1	0.59	24.0	0.45	18.3		
<i>of which:</i>										
<i>BEF 500</i>	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2		
<i>BEF 250</i>	0.002	0.1	0.002	0.1	0.002	0.1	0.002	0.1		
<i>BEF 50</i>	0.23	9.3	0.24	9.8	0.24	9.7	0.16	6.6		
<i>BEF 20</i>	0.20	8.0	0.21	8.3	0.20	8.2	0.16	6.5		
<i>BEF 5</i>	0.08	3.3	0.09	3.5	0.09	3.5	0.07	2.9		
<i>BEF 1</i>	0.04	1.8	0.05	1.9	0.05	2.0	0.04	1.7		
<i>BEF 0.5</i>	0.01	0.3	0.01	0.3	0.01	0.3	0.01	0.3		
Total banknotes and coins issued	12.54	505.9	14.03	566.0	14.07	567.6	9.65	389.7		
Banknotes and coins held by credit institutions	1.66	67.1	2.03	81.9	2.20	88.8	2.56	103.3		
Banknotes and coins in circulation outside credit institutions	10.88	438.8	12.00	484.1	11.87	478.8	7.10	286.4		

Following the introduction of the euro banknotes and coins on 1 January 2002, these figures are being provided solely at an aggregated euro-area level.

Table 5
Institutional framework
(end of 2002)

Categories	Number of institutions	Number of branches ¹⁾	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (EUR billions)
Central bank	1	2	2.6	<i>nav</i>	0.01
Credit institutions	111	5,550	9 895 ³⁾	<i>nav</i>	54.22
Postal institution ²⁾	1	1,342	5.0	<i>nav</i>	0.86
Total	113	6,894	9903 ³⁾		55.09
<i>of which:</i>					
<i>virtual institutions</i>	3	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Branches of foreign banks	46	<i>nav</i>	<i>nav</i>	<i>nav</i>	2.2
<i>of which:</i>					
<i>EU-based</i>	36	<i>nav</i>	<i>nav</i>	<i>nav</i>	2.03

1) Number of branches: excluding those branches offering only a limited range of financial services.

2) Accounts: public authorities' accounts only; other accounts included in those belonging to credit institutions.

3) Provisional.

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

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	12,014	13,375	13,930	13,987	14,902
Number of networks	13	12	12	12	11
Number of ATMs with a cash dispensing function	5,757	6,199	6,732	6,873	7,061
<i>of which:</i>					
<i>open access</i>	1,145	1,161	1,305	1,321	1,322
<i>limited access</i>	4,612	5,038	5,427	5,552	5,739
Volume of transactions (millions)	159.30	177.40	202.41	221.07	237.21
<i>of which:</i>					
<i>at ATMs with open access</i>	85.60	90.40	90.85	93.57	96.96
<i>at ATMs with limited access</i>	73.70	87.00	111.56	127.50	140.25
Value of transactions (EUR billions)	16.93	18.55	21.42	22.93	24.58
<i>of which:</i>					
<i>at ATMs with open access</i>	8.59	8.86	8.08	9.18	9.45
<i>at ATMs with limited access</i>	8.34	9.69	13.34	13.75	15.13
Number of ATMs with a giro transfer function ¹⁾	4,612	5,038	5,427	5,552	5,739
<i>volume of transactions (millions)</i>	73.70	87.00	111.56	127.50	140.25
<i>value of transactions (EUR billions)</i>	8.34	9.69	13.34	13.75	15.13
Debit function					
Cards with a debit function (thousands)	10,841	12,024	12,467	12,507	13,496
<i>of which:</i>					
<i>retailer cards (thousands)</i>	1,564	1,532	1,507	1,565	1,633
Number of networks	2	2	2	1	1
Number of terminals	93,061	99,623	116,436	144,421	135,743
Volume of transactions (millions) ¹⁾	297.01	353.46	408.24	462.57	538.01
<i>of which:</i>					
<i>transactions with retailer cards (millions)</i>	23.87	26.40	28.51	30.50	32.69
Value of transactions (EUR billions) ¹⁾	15.36	17.88	20.83	23.30	26.81
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</i>	1.17	1.31	1.57	1.63	1.80

Credit function²⁾

Cards with a credit function (thousands)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>of which:</i>					
<i>retailer cards</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>
Number of terminals	<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>of which:</i>					
<i>transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (EUR billions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>of which:</i>					
<i>transactions with retailer cards</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)	5,606	7,898	7,931	7,998	8,271
Number of accepting terminals	45,649	63,993	67,837	88,847	104,542
Number of networks	1	1	1	1	1
Number of purchase transactions (millions)	28.17	45.47	51.27	60.46	120.83
Value of purchase transactions (EUR billions)	0.114	0.170	0.196	0.267	0.670
Number of loading transactions (millions)	4.35	6.86	7.76	10.78	18.15
Number of loading terminals	18,198	72,076	122,913	182,767	208,151
Value of money loaded (EUR billions)	0.126	0.180	0.205	0.329	0.668
Float (EUR billions)	0.028	0.038	0.049	0.111	0.109

Delayed debit cards (charge cards)²⁾

Cards with a delayed debit function (thousands)	2,737	2,883	2,970	3,045	3,039
Number of terminals	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Volume of transactions (millions)	44.34	48.65	53.79	60.8	57.09
Value of transactions (EUR billions)	4.43	4.92	5.53	6.61	6.07
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	13,578	14,907	15,437	15,552	16,535
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function (thousands)</i>	5,606	7,898	7,931	7,998	8,271
<i>cards with a cheque guarantee function</i> ³⁾ (thousands)	4,746	4,453	3,839	2,796	<i>nap</i>

1) All ATMs with limited access have a cash dispensing function as well as a giro transfer function.

2) All major credit cards (Visa, AmEx, Eurocard, etc.) are issued as delayed debit cards.

3) The cheque guarantee function was abolished as of 1 January 2002.

Table 7

Payment instructions handled by selected interbank funds transfer systems:**volume of transactions**¹⁾

(millions)

	1998	1999	2000	2001	2002
ELLIPS	1.01	1.53	1.78	1.84	1.73
<i>of which:</i>					
<i>domestic</i>	1.01	0.96	0.95	0.90	0.86
<i>cross-border</i>	<i>neg</i>	0.57	0.83	0.94	0.87
Clearing house	5.75	4.95	4.19	3.52	1.73
Postal drafts and money orders	2.40	2.03	1.74	1.44	<i>neg</i>
Debits	3.30	2.90	2.42	2.05	1.71
Credit transfers	0.05	0.02	0.03	0.03	0.02
Others	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>

CEC	929.12	937.17	885.22	919.05	985.40
Direct debits	91.90	99.54	103.64	106.91	104.58
<i>of which:</i>					
ordinary direct debits	88.09	95.14	98.90	101.98	99.09
refunds	0.86	1.06	1.08	1.07	1.41
unpaid direct debits	2.95	3.34	3.66	3.86	4.08
Other debit operations	340.79	306.79	243.96	237.58	267.37
<i>of which:</i>					
truncated cheques	61.47	52.57	44.80	36.25	20.25
ATMs and POS	278.96	253.89	198.88	201.05	246.93
unpaid cheques	0.36	0.33	0.28	0.28	0.19
Credit transfers	496.43	530.84	537.62	574.56	613.45
<i>of which:</i>					
credit transfers	388.04	405.43	393.16	418.04	433.58
counterparty postal drafts	1.82	1.65	1.37	0.96	0.00
counterparty ATM-POS	82.93	102.15	121.59	138.14	165.53
money order transfers	17.86	16.18	16.48	12.27	9.27
large-value or urgent credit transfers	2.50	2.49	2.35	2.76	2.98
others ²⁾	3.28	2.94	2.67	2.39	2.09
Concentration ratio ³⁾					
ELLIPS	<i>nav</i>	<i>nav</i>	<i>nav</i>	82%	83%
Clearing house	<i>nav</i>	70%	69%	72%	74%
CEC	69%	76%	74%	73%	74%

1) The table contains both customer and interbank transactions.

2) Bills of exchange.

3) Market share of the five largest participants in each payment system, based on the total volume of transactions.

Table 8
Payment instructions handled by selected interbank funds transfer systems:
value of transactions ¹⁾
(EUR billions)

	1998	1999	2000	2001	2002
ELLIPS	9,349.00	11,990.21	12,689.57	14,312.90	13,338.80
<i>of which:</i>					
domestic	9,349.00	4,071.28	3,610.04	4,127.75	3,844.13
cross-border	<i>neg</i>	7,918.93	9,079.53	10,185.15	9,494.67
Clearing house	119.11	112.29	104.65	88.78	75.15
Securities clearing balances	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Postal drafts and money orders	1.24	1.21	1.02	0.96	0.00
Debits	117.75	111.03	103.59	87.73	75.06
Credit transfers	0.12	0.05	0.04	0.09	0.09
Others	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
CEC	482.52	476.23	484.37	508.42	530.96
Direct debits	14.69	16.45	18.01	19.35	18.65
<i>of which:</i>					
ordinary direct debits	13.88	15.54	16.91	18.11	17.44
refunds	0.22	0.26	0.34	0.36	0.36
unpaid direct debits	0.59	0.65	0.76	0.88	0.85
Other debit operations	47.29	50.12	53.15	55.07	58.66
<i>of which:</i>					
truncated cheques	24.59	24.34	22.51	19.67	15.07
ATMs and POS	22.43	25.50	30.39	35.15	43.38
unpaid cheques	0.27	0.28	0.25	0.25	0.21

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Credit transfers	420.54	409.66	413.21	434.00	453.65
<i>of which:</i>					
credit transfers	257.04	273.78	274.92	295.29	314.50
counterparty postal drafts	0.62	0.56	0.46	0.32	0.00
counterparty ATM-POS	22.43	25.10	28.92	34.41	43.37
money order transfers	4.09	4.00	4.02	3.56	3.14
large-value or urgent credit transfers	122.01	94.89	93.57	89.65	83.11
others ²⁾	14.35	11.33	11.32	10.77	9.53
Concentration ratio ³⁾					
ELLIPS	nav	nav	nav	86%	87%
Clearing house	nav	74%	74%	72%	71%
CEC	nav	73%	73%	73%	74%

1) The table contains both customer and interbank transactions.

2) Bills of exchange.

3) Market share of the five largest participants in each payment system, based on the total value of transactions.

Table 9
Indicators of the use of various cashless payment instruments:

volume of transactions ¹⁾

(millions)

	1998	1999	2000	2001	2002
Instruments					
Cheques	86.90	80.17	70.73	60.05	28.91
<i>of which:</i>					
face-to-face	86.90	80.17	70.73	60.05	28.91
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by debit card	297.01	353.46	408.24	462.56	538.02
<i>of which:</i>					
face-to-face	297.01	353.46	408.24	462.56	538.02
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by credit card	44.34	48.65	53.79	60.80	57.09
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Credit transfers	674.70	723.00	656.83	752.42	808.06
<i>of which:</i>					
face-to-face ²⁾	411.60	412.10	361.26	403.22	418.98
via PC or other terminal	263.10	310.90	295.57	349.20	389.08
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Direct debits	117.40	142.29	166.17	176.78	168.79
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	117.40	142.29	166.17	176.78	168.79
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Card-based electronic money	28.17	45.47	51.27	60.46	120.83
Network-based electronic money	nav	nav	nav	nav	nav
Total	1,248.52	1,393.04	1,407.03	1,573.07	1,721.70

1) Excludes items initiated by banks; these data are not available.

2) Paper-based payment orders.

Table 10

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

	1998	1999	2000	2001	2002
Instruments					
Cheques ²⁾	358.35	98.24	86.78	98.85	99.24
<i>of which:</i>					
<i>face-to-face</i>	358.35	98.24	86.78	98.85	99.24
<i>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>teletanking</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>
Payments by debit card	15.36	17.88	20.83	23.30	26.81
<i>of which:</i>					
<i>face-to-face</i>	15.36	17.88	20.83	23.30	26.81
<i>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>teletanking</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>
Payments by credit card	4.43	4.92	5.53	6.61	6.07
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>teletanking</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>
Credit transfers	10,719.24	15,186.15	16,127.14	17,353.46	13,157.42
<i>of which:</i>					
<i>face-to-face</i> ³⁾	1,624.87	2,184.36	2,678.79	2,596.46	811.98
<i>via PC or other terminal</i>	9,094.37	13,001.79	13,448.35	14,757.00	12,345.44
<i>teletanking</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>
Direct debits	32.13	40.90	50.96	54.15	46.17
<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>via PC or other terminal</i>	32.13	40.90	50.96	54.15	46.17
<i>teletanking</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>
Card-based electronic money	0.11	0.17	0.20	0.27	0.67
Network-based electronic money	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Total	11,129.62	15,348.26	16,291.44	17,536.64	13,336.38

1) Excludes items initiated by banks; these data are not available.

2) Some large-value debit operations are no longer considered as cheques in 1999.

3) Paper-based payment orders.

Table 11a

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

	1998	1999	2000	2001	2002
Regulated off-exchange market ²⁾					
Volume of transactions	88,279	68,543	72,897	94,594	107,335
Euronext Brussels					
Volume of transactions (in number of securities) (thousands)	1,323,875	2,086,763	2,752,637	2,670,481	2,600,816
Nasdaq Europe					
Volume of transactions	160,589	157,273	412,279	104,425	103,871

Clearnet SA Brussels Branch ³⁾					
Volume of transactions cleared	nav	nav	nav	4,976,000	nav
NBB SSS					
Volume of settlement instructions	156,876	121,174	114,966	145,117	158,927
Euronext-CIK					
Volume of settlement instructions (EMSS)	nav	242,733	248,116	355,523	357,534

1) As a result of mergers and the creation of new companies, data are not always available.

2) Includes transactions made on MTS Belgium.

3) Number of trades cleared in Clearnet systems.

Table 11b

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

market value of transactions ¹⁾

(EUR billions)

	1998	1999	2000	2001	2002
Regulated off-exchange market ²⁾					
Value of transactions	1,932	1,815	1,885	1,782	1,671
Euronext Brussels					
Value of transactions	55.82	55.56	47.50	46.16	40.52
Nasdaq Europe					
Value of transactions	3.89	4.46	21.34	1.69	0.32
Clearnet SA Brussels Branch					
Value of transactions cleared (cash market)	nav	35	30	nav	nav
NBB SSS ³⁾					
Value of settlement instructions	2,702	2,261	2,372	2,773	2,733
Euronext-CIK					
Value of settlement instructions (EMSS)	nav	75	76	101	98

1) As a result of mergers and the creation of new companies, data are not always available.

2) Including transactions made on MTS Belgium.

3) Nominal value.

Table 11c

Number of participants in trading platforms, clearing houses and securities settlement systems ¹⁾

	1998	1999	2000	2001	2002
Regulated off-exchange market					
(trading systems)	199	202	203	196	187
Banks	137	136	136	131	129
of which:					
domestic	80	73	71	66	64
foreign	57	63	65	65	65
Brokers/dealers	60	65	66	64	57
of which:					
domestic	52	52	50	47	42
foreign	8	13	16	17	15
Others:	2	1	1	1	1
NBB	1	1	1	1	1
Institut de Réescompte et de Garantie (bill rediscounter) ²⁾	1	0	0	0	0
Euronext Brussels (trading system)					
Members (stock exchange + derivatives exchange)	102	130	118	92	103
of which:					
domestic	88	86	74	55	51
foreign	14	44	44	37	52

Nasdaq Europe					
Members	69	79	78	66	54
<i>of which:</i>					
<i>domestic</i> ³⁾	9	11	10	11	5
<i>foreign</i> ³⁾	60	68	68	55	49
Banks	13	14	14	0	0
<i>of which:</i>					
<i>domestic</i> ³⁾	0	0	0	<i>nav</i>	<i>nav</i>
<i>foreign</i> ³⁾	13	14	14	<i>nav</i>	<i>nav</i>
Brokers/dealers	56	65	64	<i>nav</i>	<i>nav</i>
<i>of which:</i>					
<i>domestic</i> ³⁾	9	11	10	<i>nav</i>	<i>nav</i>
<i>foreign</i> ³⁾	47	54	54	<i>nav</i>	<i>nav</i>
Clearnet SA Brussels Branch	<i>nav</i>	76	57	53	27
Banks	<i>nav</i>	35	24	22	18
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	31	19	19	14
<i>foreign</i>	<i>nav</i>	4	5	3	4
Brokers/dealers	<i>nav</i>	41	33	31	9
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	41	33	31	6
<i>foreign</i>	<i>nav</i>	0	0	0	3
NBB SSS	188	166	151	134	123
Banks	108	88	83	79	71
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	59	51	50	42
<i>foreign</i>	<i>nav</i>	29	32	29	29
Brokers/dealers	51	41	33	19	15
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	15
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0
Others:	29	37	35	36	37
Securities settlement systems	2	5	5	6	5
Ministry of Finance	3	3	3	4	6
Public bodies	24	29	27	26	26
Euronext-CIK (Security Settlement System)	124	113	113	104	97
Banks	65	57	57	61	61
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	43	43	45	42
<i>foreign</i>	<i>nav</i>	14	14	16	19
Brokers/dealers	54	52	52	39	32
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	48	48	34	28
<i>foreign</i>	<i>nav</i>	4	4	5	4
Securities settlement systems	5	4	4	4	4

1) As a result of mergers and the creation of new companies, data are not always available.

2) Since 1 January 1999 the Institut de Réescoute et de Garantie has been changed into the Central Processing of Bills of Exchange.

3) "Domestic" refers to EU and "foreign" refers to non-EU.

Table 11d

Outstanding securities¹⁾

(end of year)

	1998	1999	2000	2001	2002
Regulated off-exchange market ²⁾					
Value of stocks listed (EUR billions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of other securities listed (EUR billions)	180	191	204	218	231
Number of stocks listed	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

BELGIUM

Number of other securities listed	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Euronext Brussels					
Value of stocks listed (EUR billions)	209.20	183.71	196.66	186.26	122.45
Value of other securities listed (EUR billions)	0.50	1.04	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>of which:</i>					
<i>domestic equity warrants</i>	<i>0.50</i>	<i>1.04</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>foreign companies</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of stocks listed	298	308	295	275	256
Number of other securities listed	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Nasdaq Europe					
Value of stocks listed (EUR billions)	13.10	42.90	24.40	8.40	3.00
Value of other securities listed (EUR billions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.03
Number of stocks listed	39	56	63	49	40
Number of other securities listed	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	1
NBB SSS					
Value of stocks listed (EUR billions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of other securities listed (EUR billions)	239	252	277	279	291
Number of stocks listed	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	2002
Number of other securities listed	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Euronext-CIK					
Value of stocks listed (EUR billions)	<i>nav</i>	164	167	189	127
Value of other securities listed (EUR billions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of stocks listed	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of other securities listed	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

1) As a result of mergers and the creation of new companies, data are not always available.

2) Including transactions made on MTS Belgium.

Table 11e
Netting ratio in clearing systems ¹⁾

	1998	1999	2000	2001	2002
Clearnet SA Brussels Branch					
Netting ratio for cash over year	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Netting ratio for securities over year	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

1) As a result of mergers and the creation of new companies, data are not available.

Table 12
Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	29	24	23	23	21
<i>of which live</i>	28	24	23	23	21
Sub-members	41	38	42	44	46
<i>of which live</i>	41	37	41	44	46
Participants	10	17	19	16	19
<i>of which live</i>	10	17	18	16	19
Total users	80	79	84	83	86
<i>Memorandum items:</i>					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>					
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13
SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	36,454,886	45,648,537	57,872,520	66,893,452	81,849,361
<i>of which:</i>					
<i>category I</i>	7,825,972	10,056,972	11,323,837	11,868,270	12,034,193
<i>category II</i>	6,859,838	5,397,628	5,673,766	5,474,602	5,298,807
Total messages received	31,617,702	37,434,987	48,539,836	54,678,699	60,543,849
<i>of which:</i>					
<i>category I</i>	7,108,235	9,207,639	10,529,012	11,140,911	12,206,104
<i>category II</i>	5,715,306	5,017,388	5,486,417	5,392,723	5,372,145
Domestic traffic	6,999,929	9,275,820	11,035,591	12,995,706	14,447,532
<i>Memorandum item:</i>					
Global SWIFT traffic ¹⁾	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

	1998	1999	2000	2001	2002
Population (thousands)	5,303	5,321	5,338	5,357	5,376
GDP (DKK billions)	1,155.4	1,213.6	1,280.8	1,325.3	1,365.2
GDP per capita (DKK)	217,879	228,077	239,937	247,391	253,946
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
<i>end of year</i>	7.44878	7.44330	7.46310	7.4365	7.4288
<i>average</i>	7.49930	7.45400	7.45382	7.4522	7.4305

Table 2

Settlement media used by non-banks

(end of year, DKK billions)

	1998	1999	2000	2001	2002
Banknotes and coins	34.50	36.90	37.70	39.20	39.00
Transferable deposits ¹⁾	316.81	334.64	349.40	387.50	408.29
Narrow money supply (M1)	351.31	371.54	387.10	426.70	447.29
<i>Memorandum items:</i>					
Broad money supply	nap	nap	nap	nap	nap
Outstanding value on e-money schemes	0.02	0.02	0.02	0.02	0.02
<i>of which:</i>					
<i>on card-based products</i>	0.02	0.02	0.02	0.02	0.02
<i>on network-based products</i>	nap	nap	nap	nap	nap

1) Including deposits in foreign currencies.

Table 3

Settlement media used by banks

(end of year, DKK billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank	12.41	5.95	7.82	3.71	10.11
<i>of which:</i>					
<i>required reserves</i>	nap	nap	nap	nap	nap
<i>free reserves</i>	12.41	5.95	7.82	3.71	10.11
Transferable balances held at other banks	nap	nap	nap	nap	nap
<i>Memorandum item:</i>					
Institutions' borrowing from central bank	nap	nap	nap	nap	nap

Table 4

Banknotes and coins

(end of year, total value, DKK billions)

	1998	1999	2000	2001	2002
Total banknotes issued	37.20	42.43	40.65	42.97	43.16
<i>of which:</i>					
<i>DKK 1,000</i>	19.79	22.98	22.05	23.57	23.43
<i>DKK 500</i>	8.09	9.27	8.79	9.30	9.40
<i>DKK 200</i>	2.18	2.53	2.69	2.89	3.07
<i>DKK 100</i>	5.88	6.34	5.83	5.77	5.73
<i>DKK 50</i>	0.85	0.90	0.92	0.93	0.96
<i>Other ¹⁾</i>	0.41	0.40	0.38	0.51	0.58
Total coins issued	3.82	3.95	4.15	4.33	4.49
<i>of which:</i>					
<i>DKK 20</i>	1.37	1.42	1.52	1.60	1.67
<i>DKK 10</i>	0.81	0.84	0.87	0.92	0.96
<i>DKK 5</i>	0.50	0.52	0.54	0.56	0.57

DKK 2	0.34	0.36	0.37	0.39	0.41
DKK 1	0.41	0.42	0.44	0.44	0.45
50 øre	0.13	0.14	0.14	0.15	0.15
25 øre	0.17	0.17	0.18	0.18	0.18
Other ²⁾	0.08	0.08	0.09	0.09	0.09
Total banknotes and coins issued	41.02	46.38	44.80	47.30	47.66
Banknotes and coins held by credit institutions	6.52	9.48	7.10	8.10	8.66
Banknotes and coins in circulation outside credit institutions	34.50	36.90	37.70	39.20	39.00

1) Special banknotes in circulation in the Faroes. DKK 20, DKK 10 and DKK 5 banknotes are also included.

2) Includes DKK 200 commemorative coins and DKK 2 coins in circulation until the end of 1959.

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 (DKK billions)
Central bank	1	0	neg	nav	neg
Credit institutions	184	2,211	9,549	nav	459.17
Postal institution	1	1,048	nap	nap	nap
Total	186	3,259	9,549	0	459.17
<i>of which:</i>					
<i>virtual institutions</i>	2	2	nav	nav	nav
Branches of foreign banks	8	8	nav	nav	nav
<i>of which:</i>					
<i>EU-based</i>	7	7	nav	nav	nav

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

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	2,817	3,176	3,476	3,677	3,831
Number of networks	1	1	1	1	1
Number of ATMs with a cash dispensing function	2,549	2,641	2,701	2,763	2,822
<i>of which:</i>					
<i>open access</i>	2,549	2,641	2,701	2,763	2,822
<i>limited access</i>	nav	nav	nav	nav	nav
Volume of transactions (millions)	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>at ATMs with open access</i>	nav	nav	nav	nav	nav
<i>at ATMs with limited access</i>	nav	nav	nav	nav	nav
Value of transactions (DKK billions)	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>at ATMs with open access</i>	nav	nav	nav	nav	nav
<i>at ATMs with limited access</i>	nav	nav	nav	nav	nav
Number of ATMs with a giro transfer function	2,549	2,641	2,701	2,763	2,822
<i>volume of transactions (millions)</i>	nav	nav	nav	nav	nav
<i>value of transactions (DKK billions)</i>	nav	nav	nav	nav	nav
Debit function					
Cards with a debit function (thousands)	2,621	2,794	3,018	3,180	3,290
<i>of which:</i>					
<i>retailer cards (thousands)</i>	nav	nav	nav	nav	nav
Number of networks	1	1	1	1	1

DENMARK

Number of terminals	68,600	73,000	78,000	88,541	95,882
Volume of transactions (millions)	349	382	412	453	492
<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>
Value of transactions (DKK billions)	124	135	145	158	171
<i>of which:</i>					
<i>transactions with retailer cards (DKK billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit function					
Cards with a credit function (thousands)	196	382	458	497	541
<i>of which:</i>					
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	1	1	1	1	1
Number of terminals	20,504	21,767	22,286	30,336	34,433
Volume of transactions (millions)	10	11	13	13	14
<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>
Value of transactions (DKK billions)	8	10	11	12	13
<i>of which:</i>					
<i>transactions with retailer cards (DKK billions)</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)	651	672	593	627	896
Number of accepting terminals	4,383	4,568	1,954	1,887	1,757
Number of networks	1	1	1	1	1
Number of purchase transactions (millions)	7.3	7.9	7.9	7.8	7.6
Value of purchase transactions (DKK billions)	0.049	0.063	0.070	0.070	0.069
Number of loading transactions (millions)	0.009	0.013	0.048	0.064	0.073
Number of loading terminals	3	14	17	149	314
Value of money loaded (DKK billions)	0.001	0.002	0.007	0.008	0.010
Float (DKK billions)	0.019	0.020	0.022	0.025	0.020
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>
Number of terminals	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Volume of transactions (millions)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (DKK billions)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<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>cards with a cheque guarantee function (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

Table 7

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

	1998	1999	2000	2001	2002
Kronos (DKK) / DN Inquiry and Transfer System	0.4	0.4	0.4	0.4	0.4
Kronos (EUR) / DEBES	<i>nap</i>	0.1	0.1	0.1	0.1
Retail clearing	722.9	765.2	810.6	851.8	908.5
<i>of which:</i>					
<i>cheques</i>	57.9	48.6	43.4	37.0	29.4
<i>direct debits</i>	112.8	121.6	129.8	137.7	145.9
<i>paperless credit transfers</i>	192.7	201.7	213.1	210.2	227.2
<i>payments by debit card</i>	349.4	382.0	411.6	453.4	492.3

<i>payments by credit card</i>	10.0	11.3	12.7	13.4	13.8
Concentration ratio:					
Kronos (DKK) / DN Inquiry and Transfer System	nav	nav	nav	nav	nav
Kronos (EUR) / DEBES	nap	nav	nav	nav	nav
Retail clearing	nav	nav	nav	nav	nav

Table 8

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

	1998	1999	2000	2001	2002
Kronos (DKK) / DN Inquiry and Transfer System	21,654	20,988	25,658	35,939	40,372
Kronos (EUR) / DEBES	nap	9,113	10,850	10,664	14,348
Retail clearing	3,687	3,841	4,064	4,066	4,130
<i>of which:</i>					
<i>cheques</i>	940	810	737	662	553
<i>direct debits</i>	290	323	362	389	411
<i>paperless credit transfers</i>	2,325	2,563	2,809	2,845	2,982
<i>payments by debit card</i>	124	135	145	158	171
<i>payments by credit card</i>	8	10	11	12	13
Concentration ratio:					
Kronos (DKK) / DN Inquiry and Transfer System	nav	nav	nav	nav	nav
Kronos (EUR) / DEBES	nap	nav	nav	nav	nav
Retail clearing	nav	nav	nav	nav	nav

Table 9

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

	1998	1999	2000	2001	2002
Instruments					
Cheques	71.1	61.0	55.6	48.2	41.6
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>teletanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Payments by debit card	349.44	381.96	411.59	453.42	492.25
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>teletanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Payments by credit card	10.01	11.32	12.66	13.44	13.81
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>teletanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Credit transfers ^{1,2)}	192.72	201.70	213.06	210.24	227.16
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>teletanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Direct debits	112.76	121.62	129.83	137.74	145.93
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav

telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Card-based electronic money	7.29	7.86	7.92	7.77	7.57
Network-based electronic money	nap	nap	nap	nap	nap
Total	743.32	785.46	830.65	870.82	928.27

1) Intrabank customer payments not included.

2) Includes items initiated by banks.

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

	1998	1999	2000	2001	2002
Instruments					
Cheques	1,237	955	876	792	708
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by debit card	124	135	145	158	171
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by credit card	8	10	11	12	13
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Credit transfers ^{1), 2)}	2,325	2,563	2,809	2,845	2,982
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Direct debits	290	323	362	389	411
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Card-based electronic money	0.049	0.063	0.070	0.070	0.069
Network-based electronic money	nap	nap	nap	nap	nap
Total	3,984	3,986	4,203	4,196	4,285

1) Intrabank customer payments not included.

2) Includes items initiated by banks.

Table 11a

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

	1998	1999	2000	2001	2002
Trading platform					
Copenhagen Stock Exchange Ltd					
Shares	1.1	1.3	2.8	2.1	1.8
Bonds	1.5	1.4	1.1	1.1	1.0
Total	2.6	2.6	3.9	3.1	2.8
Securities settlement system					
VP A/S					
Trade transactions	3.4	3.5	6.8	5.4	5.6

Table 11b

**Instructions handled by trading platforms and securities settlement systems:
market value of transactions**
(DKK billions)

	1998	1999	2000	2001	2002
Trading platform					
Copenhagen Stock Exchange Ltd					
Shares	448	469	836	591	417
Bonds	8,649	7,156	5,611	5,557	5,907
Total	9,097	7,625	6,447	6,148	6,324
Securities settlement system					
VP A/S					
Clearing of trade amounts	22,992	22,010	22,572	20,093	24,287
Turnover of bonds (nominal value)	28,287	26,794	28,009	24,873	28,555
Turnover of shares etc. (nominal value)	172	229	340	338	334

Table 11c

Number of participants in trading platforms and securities settlement systems

	1998	1999	2000	2001	2002
Trading platform					
Copenhagen Stock Exchange Ltd					
Banks	nav	25	28	28	26
<i>of which:</i>					
<i>domestic</i>	nav	18	17	17	17
<i>foreign (branches and remote participants)</i>	nav	7	11	11	9
Central bank	nav	1	1	1	1
Brokers/dealers	nav	9	13	19	17
<i>of which:</i>					
<i>domestic</i>	nav	4	3	5	4
<i>foreign</i>	nav	5	10	14	13
Total	nav	35	42	48	44
Securities settlement system					
VP A/S					
Banks, brokers, dealers	nav	200	200	154	146
Remote members	nav	12	24	26	25
Central bank	nav	1	1	1	1
Mortgage credit institutions	nav	17	17	14	13
Securities settlement systems	nav	1	1	1	1
Institutional investors	nav	23	23	27	10
Total	nav	254	266	223	196

Table 11d

Outstanding securities*(end of year)*

	1998	1999	2000	2001	2002
Trading platform					
Copenhagen Stock Exchange Ltd					
Value of securities issued (DKK billions)	2,716	2,812	2,989	3,010	3,030
Number of securities issued	2,813	2,816	2,822	2,738	2,697
Securities settlement system					
VP A/S					
Value of securities registered (DKK billions)	2,825	2,966	3,213	3,173	3,230
Number of securities registered	3,043	3,065	3,092	3,089	3,061

Table 11e

Netting ratio in clearing systems

	1998	1999	2000	2001	2002
VP A/S					
Netting ratio for cash over year	nav	nav	nav	nav	nav
Netting ratio for securities over year	nav	nav	nav	nav	nav

Table 12

Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	36	21	25	24	24
<i>of which live</i>	36	21	25	24	24
Sub-members	9	9	11	12	11
<i>of which live</i>	9	9	10	11	10
Participants	3	18	17	16	15
<i>of which live</i>	3	18	17	16	15
Total users	48	48	53	52	50
<i>of which live</i>	48	48	52	51	49
<i>Memorandum items:</i>					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>					
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	9,961,742	11,402,262	13,195,990	14,080,046	15,159,773
<i>of which:</i>					
<i>category I</i>	3,348,400	3,882,765	4,566,681	4,887,672	5,168,221
<i>category II</i>	2,689,158	2,778,597	3,023,426	2,969,825	2,760,299
Total messages received	9,130,548	10,871,940	12,262,142	13,695,981	14,507,354
<i>of which:</i>					
<i>category I</i>	2,729,086	2,997,764	3,410,545	3,764,481	3,938,492
<i>category II</i>	1,824,054	2,140,736	2,325,448	2,488,057	2,171,485
Domestic traffic	1,503,964	1,988,750	2,005,430	2,319,455	2,386,610
<i>Memorandum item:</i>					
Global SWIFT traffic ¹⁾	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

	1998	1999	2000	2001	2002
Population (thousands) ¹⁾	82,029	82,087	82,188	82,339	82,483
GDP (EUR billions) ²⁾	1,929.4	1,978.6	2,030.0	2,071.2	2,108.2
GDP per capita (ECU/EUR) ²⁾	23,521	24,104	24,699	25,155	25,559
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
end of year ³⁾	1.95583	1.95583	1.95583	1.95583	1.95583
average ³⁾	1.96913	1.95583	1.95583	1.95583	1.95583

1) Average of the year.

2) In all tables the irrevocable conversion rate to the euro has been used for 1998 data.

3) Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999.

Table 2
Settlement media used by non-banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Banknotes and coins	123.7	131.1	125.9	68.0	nap
Transferable deposits	389.7	426.5	448.7	533.7	583.5
of which held by:					
households	236.9	265.1	270.3	332.4	366.7
corporate sector	139.7	147.0	163.4	185.6	200.5
other	13.1	14.4	15.0	15.7	16.3
Narrow money supply (M1) ¹⁾	513.4	557.6	574.6	601.7	nap
Memorandum items:					
Broad money supply ²⁾	1,302.1	1,395.3	1,381.2	1,466.9	1,456.6
Transferable deposits in foreign currencies	nav	9.0	8.5	10.8	11.8
Outstanding value on e-money schemes	0.06	0.06	0.06	0.06	0.07
of which:					
on card-based products	0.06	0.06	0.06	0.06	0.07
on network-based products	nav	nav	nav	nav	nav

1) For 2002, due to banknote migration, data are available only at an aggregated euro area level, not for individual euro area countries.

2) For 1998, as defined by the Deutsche Bundesbank; thereafter as defined by the ECB. For 2002, excluding currency in circulation.

This figure is not comparable with those reported in previous years.

Table 3
Settlement media used by banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank	23.7	33.3	35.5	38.9	38.6
of which:					
required reserves	23.4	33.0	35.3	37.9	38.4
free reserves	0.3	0.3	0.2	1.0	0.2
Transferable balances held at other banks ¹⁾	241.6	114.4	113.4	123.1	127.6
Memorandum item:					
Institutions' borrowing from central bank ²⁾	2.6	9.4	0.6	1.6	2.2

1) For 1998, including fixed-term deposits of less than one month.

2) Marginal lending facility.

Table 4

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

	1998		1999		2000		2001		2002
	EUR	DEM	EUR	DEM	EUR	DEM	EUR	DEM	
Total banknotes issued	130.5	255.3	140.1	274.1	134.0	262.1	76.5	149.7	
<i>of which:</i>									
DEM 1,000	44.3	86.6	47.8	93.5	45.6	89.2	22.3	43.7	
DEM 500	13.5	26.5	14.2	27.8	13.6	26.5	7.0	13.6	
DEM 200	4.3	8.4	4.1	8.0	3.7	7.1	1.9	3.8	
DEM 100	50.2	98.2	54.4	106.4	52.0	101.8	31.8	62.1	
DEM 50	10.9	21.4	11.7	23.0	11.1	21.8	7.6	14.9	
DEM 20	4.4	8.7	4.8	9.5	4.9	9.7	3.6	7.1	<i>Following the introduction of the euro banknotes and coins on 1 January 2002, these figures are being provided solely at an aggregated euro-area level.</i>
DEM 10	2.7	5.2	2.9	5.6	2.9	5.7	2.2	4.3	
DEM 5	0.2	0.3	0.2	0.3	0.2	0.3	0.1	0.2	
Total coins issued	8.1	15.7	8.2	15.9	8.2	16.0	6.4	12.5	
<i>of which:</i>									
DEM 10	1.3	2.6	1.3	2.6	1.4	2.7	1.3	2.6	
DEM 5	2.9	5.7	2.9	5.7	2.9	5.7	2.1	4.1	
DEM 2	1.2	2.3	1.2	2.4	1.2	2.4	0.9	1.8	
DEM 1	1.2	2.3	1.2	2.3	1.2	2.3	0.9	1.8	
DEM 0.50	0.6	1.1	0.6	1.1	0.6	1.2	0.5	0.9	
DEM 0.10	0.5	1.0	0.6	1.1	0.6	1.1	0.4	0.8	
DEM 0.05	0.2	0.3	0.2	0.3	0.1	0.3	0.1	0.3	
DEM 0.02	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	
DEM 0.01	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.1	
Total banknotes and coins issued	138.6	271.0	148.3	290.0	142.2	278.1	82.9	162.2	
Banknotes and coins held by credit institutions	14.9	29.1	17.2	33.6	16.3	31.9	14.9	29.3	
Banknotes and coins in circulation outside credit institutions	123.7	241.9	131.1	256.4	125.9	246.2	68.0	132.9	

Table 5

Institutional framework

(end of 2002)

Categories	Number of institutions ¹⁾	Number of branches ¹⁾	Number of accounts (thousands) ²⁾	Number of internet-linked accounts (thousands) ³⁾	Value of accounts (EUR billions)
Central bank ⁴⁾	1	119	36	nav	0.6
Credit institutions	2,419	50,426	86,465	29,695	583.5
<i>of which:</i>					
<i>commercial banks</i> ⁵⁾	395	18,320	19,006	13,716	249.0
<i>savings banks</i>	532	16,713	41,159	11,137	220.3
<i>co-operative and rural banks</i>	1,492	15,393	26,300	4,842	114.2
Total	2,420	50,545	86,501	29,695	584.1
<i>of which:</i>					
<i>virtual institutions</i>	1	0	29	29	0.2
Branches of foreign banks	105	122	nav	nav	5.8
<i>of which:</i>					
<i>EU-based</i>	nav	nav	nav	nav	nav

1) Offering cashless payment services.

2) Partly estimated. Includes number of internet-linked accounts.

3) Number of accounts relating to internet services (credit transfers, payment of bills, etc.) carried out via a fixed-line network or via the internet, partly estimated.

4) As a legal entity the Deutsche Bundesbank comprises the Central Office (in Frankfurt am Main), nine Regional Offices in the German federal states and 118 branches.

5) Comprises big banks, regional banks and other commercial banks, branches of foreign banks, mortgage banks and banks with a special function.

Table 6

Payment card functions and accepting devices

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	91,324.1	99,250.1	106,323.4	121,881.7	119,026.7
Number of networks	4	4	4	4	4
Number of ATMs with a cash dispensing function	45,615	46,200	47,650	49,620	50,487
<i>of which:</i>					
<i>open access</i>	45,615	46,200	47,650	49,620	50,487
<i>limited access</i>	nav	nav	nav	nav	neg
Volume of transactions (millions)	1,405.5	1,513.2	1,679.7	1,600.5	1,621.3
<i>of which:</i>					
<i>at ATMs with open access</i>	1,405.5	1,513.2	1,679.7	1,600.5	1,621.3
<i>at ATMs with limited access</i>	nav	nav	nav	nav	neg
Value of transactions (EUR billions)	214.2	221.6	244.8	250.7	254.5
<i>of which:</i>					
<i>at ATMs with open access</i>	214.2	221.6	244.8	250.7	254.5
<i>at ATMs with limited access</i>	nav	nav	nav	nav	neg
Number of ATMs with a giro transfer function	nav	nav	nav	nav	nav
volume of transactions (millions)	nav	nav	nav	nav	nav
value of transactions (EUR billions)	nav	nav	nav	nav	nav
Debit function ¹⁾					
Cards with a debit function (thousands)	76,145.1	82,210.8	88,578.0	103,113.2	93,122.7
<i>of which:</i>					
<i>retailer cards (thousands)</i>	nav	nav	nav	nav	nav
Number of networks	26	28	29	30	24
Number of terminals ²⁾	362,808	472,902	591,280	435,680	460,609

GERMANY

Volume of transactions (millions)	675.8	863.0	1,039.8	1,213.5	1,374.8
<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>
Value of transactions (EUR billions)	51.5	64.6	76.4	89.1	96.8
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit function/ Delayed debit functions (charge cards) ^{3),4)}					
Cards with a credit function (thousands)	20,049.9	24,209.4	28,130.6	31,400.5	32,230.0
<i>of which:</i>					
<i>retailer cards (thousands) ⁵⁾</i>	<i>5,000.0</i>	<i>8,000.0</i>	<i>10,558.6</i>	<i>12,632.0</i>	<i>12,014.0</i>
Number of networks	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of terminals ⁶⁾	362,300	402,600	460,500	478,300	473,100
Volume of transactions (millions)	317.2	336.4	582.4	604.3	618.8
<i>of which:</i>					
<i>transactions with retailer cards (millions) ⁵⁾</i>	<i>nav</i>	<i>nav</i>	<i>231.3</i>	<i>234.4</i>	<i>236.7</i>
Value of transactions (EUR billions)	28.8	31.6	41.7	45.6	48.2
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions) ⁵⁾</i>	<i>nav</i>	<i>nav</i>	<i>8.3</i>	<i>8.4</i>	<i>8.5</i>
Electronic money function					
Cards with an e-money function (thousands)	60,700.0	60,700.0	60,700.0	67,332.8	67,525.4
Number of accepting terminals	60,000	59,732	66,946	80,191	98,492
Number of networks	1	1	1	1	1
Number of purchase transactions (millions)	13.6	20.7	26.6	29.4	35.9
Value of purchase transactions (EUR billions)	0.1	0.1	0.1	0.1	0.1
Number of loading transactions (millions)	2.4	3.1	3.7	3.7	4.4
Number of loading terminals	22,000	22,468	24,502	36,045	35,800
Value of money loaded (EUR billions)	0.1	0.1	0.1	0.1	0.1
Float (EUR billions)	0.1	0.1	0.1	0.1	0.1
Delayed debit cards (charge cards) ⁷⁾					
Cards with a delayed debit function (thousands)	<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>
Volume of transactions (millions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (EUR billions)	<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)	96,195.0	106,420.2	116,708.6	136,163.7	132,624.7
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function (thousands)</i>	<i>60,700.0</i>	<i>60,700.0</i>	<i>60,700.0</i>	<i>58,325.9</i>	<i>62,397.2</i>
<i>cards with a cheque guarantee function (thousands)</i>	<i>43,845.0</i>	<i>45,408.0</i>	<i>51,246.7</i>	<i>56,760.6</i>	<i>nav</i>

1) Figures partly collected by Eurohandelsinstitut e.V., PaySys GmbH and Zentraler Kreditausschuss (ZKA).

2) Electronic Cash and POZ terminals. Figures prior to 2001 include double-counting of replacement terminals.

3) Usually cards with a delayed debit function. The German word "Kreditkarte" is used for both credit and delayed debit / charge cards.

4) Figures on retailer card transactions are available only from 2000.

5) Source: PaySys GmbH.

6) The figures have been revised and relate to the largest market participant, since terminals usually accept different credit card brands.

7) See the section on cards with a credit function / delayed debit function.

Table 7

Payment instructions handled by selected interbank funds transfer systems:**volume of transactions**^{1), 2)}*(millions)*

	1998	1999	2000	2001	2002
Domestic Payments	2,286.5	2,204.3	2,257.4	2,228.6	2,184.4
Retail payments	2,250.4	2,176.2	2,226.6	2,197.5	2,156.8
Maschinell-optische Beleglesung (MAOBE) ³⁾	11.1	nap	nap	nap	nap
Collection items ⁴⁾	11.1	nap	nap	nap	nap
Retail Payment System (RPS) ⁵⁾	2,239.3	2,176.2	2,226.6	2,197.5	2,156.8
Collection items ⁴⁾	1,499.6	1,398.0	1,416.4	1,363.7	1,284.8
Credit transfers	739.7	778.2	810.2	833.8	871.9
Large-value payments	36.1	28.1	30.8	31.1	27.6
Gross-settlement procedures	13.5	16.0	17.8	20.1	27.6
RTGS ^{plus 6)}	nap	nap	nap	4.2	27.6
Euro Link System (ELS) ^{6), 7)}	13.5	16.0	17.8	15.9	nap
Net settlement procedures	22.6	12.1	13.0	11.0	nap
Konventionelle Abrechnung ⁸⁾	0.1	neg	neg	nap	nap
Collection items (conventional)	0.1	neg	neg	nap	nap
Euro Access Frankfurt (EAF) ^{6), 9)}	22.5	12.1	13.0	11.0	nap
Cross-border payments	nav	7.5	8.8	8.3	9.1
Retail payments	nav	4.7	4.9	4.4	4.6
MASSE ¹⁰⁾	nav	4.7	4.9	4.4	4.6
Large-value payments	nav	2.8	3.9	3.9	4.5
AZV	nav	0.1	0.2	0.2	0.2
Cross-border TARGET payments	nav	2.7	3.7	3.7	4.3
Concentration ratio					
Retail Payment System (RPS) ⁵⁾	nav	nav	nav	nav	28.0%
RTGS ^{plus 6), 11)}	nap	nap	nap	51.5%	50.5%
Cross-border TARGET payments ¹¹⁾	nav	nav	nav	51.5%	43.8%

1) The table contains both customer and interbank transactions.

2) The table only includes figures relating to procedures and IFTS which are operated by the Deutsche Bundesbank.

3) Machine-optical voucher reading; payments (cheques and direct debits) are submitted and passed on in a paper-based form by the Bundesbank.

4) Introduction of a general truncation obligation for: all direct debits as of 18 November 1993 and cheques for amounts < 2,556 EUR (BSE-cheques) as of 7 September 1998 and < 3,000 EUR as of 1 January 2000 respectively. Cheques for amounts ≥ 2,556 EUR as of 7 September 1998 and ≥ 3,000 EUR as of 2002 respectively (GSE-cheques) are truncated by the Bundesbank exclusively.

5) Formerly DTA. Paperless exchange of data media, including payments submitted in a paper-based form which were truncated and passed on in a paperless form by the bank (see footnote 3).

6) Introduction on 5 November 2001 and close down of EAF. For the time being, ELS serves, along with SWIFT, as a means of communication to RTGS^{plus} only.

7) Formerly EIL-ZV (express electronic credit transfer system).

8) Daily local clearing system (settled delivery envelopes (clearing items)). The last four clearing offices were closed on 31 March 2000.

9) Formerly EAF2.

10) For public authorities only, eg. pension payments abroad.

11) For 2001, 5 November until year-end only. In this period, cross-border TARGET payments and RTGS^{plus} payments are not treated separately; thus, their concentration ratio is therefore calculated for both together.

Table 8

Payment instructions handled by selected interbank funds transfer systems:

value of transactions ^{1), 2)}

(EUR billions)

	1998	1999	2000	2001	2002
Domestic Payments	118,693.9	63,656.5	67,767.7	72,674.5	93,929.5
Retail payments	2,267.2	2,241.0	2,244.7	2,202.3	2,111.8
Maschinell-optische Beleglesung (MAOBE) ³⁾	75.6	nap	nap	nap	nap
Collection items ⁴⁾	75.6	nap	nap	nap	nap
Retail Payment System (RPS) ⁵⁾	2,191.6	2,241.3	2,244.7	2,202.3	2,111.8
Collection items ⁴⁾	1,522.8	1,508.0	1,466.0	1,377.1	1,225.8
Credit transfers	668.8	733.0	778.7	825.2	886.1
Large-value payments	116,426.7	61,415.5	65,523.0	70,472.2	91,817.7
Gross-settlement procedures	20,129.1	22,374.6	24,001.0	35,446.4	91,817.7
RTGS ^{plus} ⁶⁾	nap	nap	nap	14,301.8	91,817.7
Euro Link System (ELS) ^{6), 7)}	20,129.1	22,374.6	24,001.0	21,144.6	nap
Net settlement procedures	96,297.7	39,040.9	41,522.0	35,025.8	nap
Konventionelle Abrechnung ⁸⁾	44.5	neg	neg	nap	nap
Collection items (conventional)	44.5	neg	neg	nap	nap
Euro Access Frankfurt (EAF) ^{6), 9)}	96,253.2	39,040.9	41,522.0	35,025.8	nap
Cross-border payments	nav	24,717.8	28,421.7	33,410.3	32,995.4
Retail payments	nav	1.8	1.9	1.9	2.0
MASSE ¹⁰⁾	nav	1.8	1.9	1.9	2.0
Large-value payments	nav	24,716.0	28,419.8	33,408.4	32,993.4
AZV	nav	144.6	125.4	126.9	27.5
Cross-border TARGET payments	nav	24,571.4	28,294.4	33,281.5	32,965.9
Concentration ratio					
Retail Payment System (RPS) ⁵⁾	nav	nav	nav	nav	18.0%
RTGS ^{plus} ^{6), 11)}	nav	nav	nav	56.4%	54.1%
Cross-border TARGET payments ¹¹⁾	nav	nav	nav	56.4%	58.1%

1) The table contains both customer and interbank transactions.

2) The table only includes figures relating to procedures and IFTS which are operated by the Deutsche Bundesbank.

3) Machine-optical voucher reading: payments (cheques and direct debits) are submitted and passed on in a paper-based form by the Bundesbank.

4) Introduction of a general truncation obligation for: all direct debits as of 18 November 1993 and cheques for amounts < 2,556 EUR (BSE-cheques) as of 7 September 1998 and < 3,000 EUR as of 1 January 2000 respectively. Cheques for amounts ≥ 2,556 EUR as of 7 September 1998 and ≥ 3,000 EUR as of 2002 respectively (GSE-cheques) are truncated by the Bundesbank exclusively.

5) Formerly DTA. Paperless exchange of data media, including payments submitted in a paper-based form which were truncated and passed on in a paperless form by the bank (see footnote 3).

6) Introduction on 5 November 2001 and close down of EAF. For the time being, ELS serves, along with SWIFT, as a means of communication to RTGS^{plus} only.

7) Formerly EIL-ZV (express electronic credit transfer system).

8) Daily local clearing system (settled delivery envelopes (clearing items)). The last four clearing offices were closed on 31 March 2000.

9) Formerly EAF2.

10) For public authorities only, eg. pension payments abroad.

11) For 2001, 5 November until year-end only. In this period, cross-border TARGET payments and RTGS^{plus} payments are not treated separately; thus, their concentration ratio is therefore calculated for both together.

Table 9

Indicators of the use of various cashless payment instruments: ^{1), 2)}**volume of transactions***(millions)*

	1998	1999	2000	2001	2002
Instruments					
Cheques	455.4	424.0	393.3	319.8	149.7
<i>of which:</i>					
face-to-face	455.4	424.0	393.3	319.8	149.7
via PC or other terminal ³⁾	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by debit card	675.8	863.0	1,039.8	1,213.5	1,374.8
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal ³⁾	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by credit card ⁴⁾	317.2	336.4	582.4	604.3	618.8
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal ³⁾	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Credit transfers	5,166.9	5,274.6	5,442.1	5,544.7	5,413.2
<i>of which:</i>					
face-to-face	nav	nav	nav	1,323.0	1,191.5
via PC or other terminal ³⁾	nav	nav	311.4	460.1	767.7
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Direct debits ⁵⁾	4,208.9	4,310.8	4,605.3	4,681.8	4,448.9
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal ³⁾	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Card-based electronic money	13.6	20.7	26.6	29.4	35.9
Network-based electronic money	neg	neg	neg	neg	nav
Total	10,837.8	11,229.5	12,089.5	12,393.5	12,041.3

1) This table contains all customer transactions irrespective of whether they are processed intra or interbank. Partly estimated.

2) The table has been revised.

3) Payments through the internet or a fixed line network.

4) Usually payments by cards with a delayed debit function. From 2000, the figure includes retailer card transactions (see Table 6).

5) Debit card transactions are not included under this item but are shown under "payments by debit card".

Table 10

Indicators of the use of various cashless payment instruments: ^{1), 2)}**value of transactions**

(EUR billions)

	1998	1999	2000	2001	2002
Instruments					
Cheques	2,820.20	1,070.70	986.48	902.12	772.90
<i>of which:</i>					
<i>face-to-face</i>	2,820.20	1,070.70	986.48	902.12	772.90
<i>via PC or other terminal</i> ³⁾	<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>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card	51.49	64.59	76.44	89.15	97.35
<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>via PC or other terminal</i> ³⁾	<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>via mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by credit card ⁴⁾	28.83	31.55	41.71	45.63	48.19
<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>via PC or other terminal</i> ³⁾	<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>via mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers	20,541.43	23,494.63	26,272.90	27,836.21	28,271.11
<i>of which:</i>					
<i>face-to-face</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	9,599.17	11,799.46
<i>via PC or other terminal</i> ³⁾	<i>nav</i>	<i>nav</i>	257.37	423.09	660.44
<i>telebanking</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>
Direct debits ⁵⁾	3,711.52	3,622.11	3,313.47	3,985.81	3,917.39
<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>via PC or other terminal</i> ³⁾	<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>via mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Card-based electronic money	0.09	0.07	0.07	0.07	0.07
Network-based electronic money	<i>nav</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>nav</i>
Total	27,153.56	28,283.65	30,691.07	32,858.99	33,107.01

1) This table contains all customer transactions irrespective of whether they are processed intra or interbank. Partly estimated.

2) The table has been revised.

3) Payments through the internet or a fixed line network.

4) Usually payments by cards with a delayed debit function. From 2000, the figure includes retailer card transactions (see Table 6).

5) Debit card transactions are not included under this item but are shown under "payments by debit card".

Table 11a

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

(millions)

	1998	1999	2000	2001	2002
Selected trading platforms					
Xetra					
<i>Number of trades</i>	<i>nav</i>	15.8	39.0	49.7	60.0
<i>Number of units</i>	<i>nav</i>	53,875.5	49,584.6	46,823.8	58,467.6
Frankfurt (Floor)					
<i>Number of trades</i>	<i>nav</i>	73.4	163.9	123.8	86.7
<i>Number of units</i>	<i>nav</i>	1,470,080.4	1,148,414.9	864,795.7	654,085.8

Eurex ^{1), 2)}					
Volume of contracts traded	248.2	379.1	454.1	674.2	801.2
Volume of trades	10.5	17.3	20.4	30.7	44.6
Securities settlement system					
Clearstream Banking Frankfurt					
Volume of trades cleared ³⁾	33.4	43.5	75.2	66.9	67.3
Clearing house	nav	nav	nav	nav	nav

1) Trades are cleared via Eurex Clearing.

2) Prior to 28 September 1998 DTB + Soffex.

3) Data have been revised.

Table 11b

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

market value of transactions

(EUR billions)

	1998	1999	2000	2001	2002
Selected trading platforms					
Xetra	nav	1,169.3	1,982.9	1,969.9	1,833.9
Frankfurt (Floor)	nav	2,907.5	3,218.3	1,824.6	1,207.0
Eurex ^{1), 2)}					
Securities settlement system	23,768.1	34,975.3	36,459.3	50,937.2	56,003.5
Clearstream Banking Frankfurt					
Value of trades cleared	12,853.4	14,400.0	nav	nav	nav
Clearing house	nav	nav	nav	nav	nav

1) Trades are cleared via Eurex Clearing.

2) Prior to 28 September 1998 DTB + Soffex.

Table 11c

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

	1998	1999	2000	2001	2002
Trading systems					
Eurex ¹⁾	313	414	429	427	424
Clearing house	nav	nav	nav	nav	nav
Securities settlement system					
Clearstream Banking Frankfurt	nav	322	420	422	437
<i>of which:</i>					
Banks	nav	253	343	341	355
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>241</i>	<i>288</i>	<i>279</i>	<i>291</i>
<i>foreign</i>	<i>nav</i>	<i>12</i>	<i>55</i>	<i>62</i>	<i>64</i>
Broker/dealer	nav	42	38	41	43
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>35</i>	<i>28</i>	<i>26</i>	<i>25</i>
<i>foreign</i>	<i>nav</i>	<i>7</i>	<i>10</i>	<i>15</i>	<i>18</i>
Others	nav	0	13	13	13
CSDs, Global + Local Custodians	nav	17	16	17	16
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>5</i>	<i>3</i>	<i>3</i>	<i>3</i>
<i>foreign</i>	<i>nav</i>	<i>12</i>	<i>13</i>	<i>14</i>	<i>13</i>
Central banks, government institutions	nav	10	10	10	10
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>10</i>	<i>10</i>	<i>10</i>	<i>10</i>
<i>foreign</i>	<i>nav</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>

1) Prior to 28 September 1998 DTB only.

Table 11d

Outstanding securities*(end of year)*

	1998	1999	2000	2001	2002
Clearstream Banking Frankfurt					
Value of securities issued (EUR billions)	nap	nap	nap	nap	nap
Volume of securities issued	nap	nap	nap	nap	nap
Value of securities registered (EUR billions)	nap	nap	nap	nap	nap
Volume of securities registered	nap	nap	nap	nap	nap
Total value of securities under custody (EUR billions)	nav	5,509.40	5,348.13	5,065.67	4,643.63
<i>of which:</i>					
<i>value of stocks under custody</i>	<i>nav</i>	<i>1,386.60</i>	<i>2,458.17</i>	<i>2,294.62</i>	<i>1,826.19</i>
<i>value of other securities under custody</i>	<i>nav</i>	<i>4,122.80</i>	<i>2,889.96</i>	<i>2,771.05</i>	<i>2,817.44</i>
Total number of securities under custody (millions)	nav	166.40	145.20	120.70	108.00
<i>of which:</i>					
<i>Number of stocks under custody</i>	<i>nav</i>	<i>71.50</i>	<i>58.10</i>	<i>40.90</i>	<i>32.30</i>
<i>Number of other securities under custody</i>	<i>nav</i>	<i>94.90</i>	<i>87.10</i>	<i>79.80</i>	<i>75.70</i>

Table 11e

Netting ratio in clearing systems

	1998	1999	2000	2001	2002
Netting ratio for cash over year	nav	nav	nav	nav	nav
Netting ratio for securities over year	nav	nav	nav	nav	nav

Table 12

Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	154	120	118	114	111
<i>of which live</i>	<i>154</i>	<i>119</i>	<i>118</i>	<i>112</i>	<i>111</i>
Sub-members	109	105	108	113	113
<i>of which live</i>	<i>104</i>	<i>102</i>	<i>106</i>	<i>109</i>	<i>110</i>
Participants	13	46	47	48	54
<i>of which live</i>	<i>10</i>	<i>43</i>	<i>45</i>	<i>45</i>	<i>49</i>
Total users	276	271	273	275	278
<i>of which live</i>	<i>268</i>	<i>264</i>	<i>269</i>	<i>266</i>	<i>270</i>
<i>Memorandum items:</i>					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>					
<i>members</i>	<i>3,052</i>	<i>2,230</i>	<i>2,307</i>	<i>2,265</i>	<i>2,217</i>
<i>sub-members</i>	<i>2,781</i>	<i>2,825</i>	<i>3,037</i>	<i>3,143</i>	<i>3,130</i>
<i>participants</i>	<i>938</i>	<i>1,936</i>	<i>1,949</i>	<i>2,049</i>	<i>2,254</i>

Table 13

SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	61,963,751	73,862,434	90,318,753	107,056,553	137,938,782
<i>of which:</i>					
<i>category I</i>	19,351,531	25,248,905	28,422,609	34,562,524	54,680,808
<i>category II</i>	9,690,958	11,018,561	11,894,325	13,851,623	22,689,329
Total messages received	72,099,434	74,208,467	88,852,102	103,566,432	136,546,180
<i>of which:</i>					
<i>category I</i>	21,958,781	28,052,568	31,699,774	37,069,554	56,452,759
<i>category II</i>	29,076,972	19,489,307	20,043,815	21,722,231	30,581,591
Domestic traffic	7,572,070	6,989,083	8,361,796	13,159,502	34,657,899
<i>Memorandum item:</i>					
Global SWIFT traffic ¹⁾	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

	1998	1999	2000	2001	2002
Population (thousands)	10,516	10,538	10,918	10,938	10,950
GDP (EUR billions) ¹⁾	105.8	112.8	121.6	130.9	141.1
GDP per capita (EUR) ¹⁾	10,058	10,707	11,140	11,970	12,889
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
end of year ²⁾	329.689	330.300	340.750	340.750	340.750
average ²⁾	330.731	325.760	336.630	340.750	340.750

1) In all tables, the irrevocable conversion rate to the euro has been used for data prior to 2001.

2) Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 2001.

Table 2

Settlement media used by non-banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Banknotes and coins	6.64	8.12	7.74	7.18	nap ¹⁾
Transferable deposits ²⁾	9.61	13.64	13.32	16.06	15.23
Narrow money supply (M1)	16.25	21.76	21.06	23.24	nap ¹⁾
Memorandum items:					
Broad money supply (M3) ³⁾	107.23	117.04	133.88	143.84	133.76 ⁴⁾
Transferable deposits in foreign currencies	0.66	0.74	1.09	1.22	0.67
Outstanding value on e-money schemes	nap	nap	nap	nap	neg
of which:					
on card-based products	nap	nap	nap	nap	nap
on network-based products	nap	nap	nap	nap	neg

1) Due to banknote migration, data are available only at an aggregated euro area level, not for individual euro area countries.

2) Total sight deposits (in all currencies).

3) As defined by the Eurosystem.

4) Excluding currency in circulation. This figure is not comparable with those reported in previous years.

Table 3

Settlement media used by banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank	nav	nav	2.20	1.66	1.64
of which:					
required reserves	nav	nav	2.08	1.64	1.62
free reserves	nav	nav	0.12	0.02	0.02
Transferable balances held at other banks	1.38	2.61	3.55	3.93	8.21
Memorandum item:					
Institutions' borrowing from central bank ¹⁾	nav	nav	3.88	1.90	2.88

1) Swaps and repos.

Table 4

Banknotes and coins*(end of year, total value, EUR billions and GRD millions)*

	1998		1999		2000		2001		2002	
	EUR	GRD	EUR	GRD	EUR	GRD	EUR	GRD	EUR	GRD
Total banknotes issued	7.49	2,469,767	9.39	3,101,229	8.91	3,036,426	8.51	2,899,101		
<i>of which:</i>										
GRD 10,000	4.17	1,374,178	6.27	2,070,070	6.49	2,210,213	6.67	2,272,895		
GRD 5,000	2.86	942,710	2.63	868,344	1.94	663,764	1.41	480,961		
GRD 1,000	0.31	103,977	0.34	111,334	0.34	115,081	0.30	102,048		
GRD 500	0.09	30,131	0.09	31,943	0.09	29,757	0.08	26,092		
GRD 200	0.02	7,409	0.02	8,063	0.02	7,287	0.02	5,798		
GRD 100	0.03	9,632	0.03	9,614	0.03	8,806	0.03	9,857		
GRD 50	0.01	1,730	0.01	1,861	neg	1,518	neg	1,450		
Total coins issued	0.15	49,652	0.16	52,874	0.18	60,819	0.20	68,150		
Total banknotes and coins issued	7.64	2,519,419	9.55	3,154,103	9.09	3,097,245	8.71	2,967,251		
Banknotes and coins held by credit institutions	1.00	330,319	1.43	471,103	1.35	459,545	1.53	520,609		
Banknotes and coins in circulation outside credit institutions	6.64	2,189,100	8.12	2,683,000	7.74	2,637,700	7.18	2,446,642		

Following the introduction of the euro banknotes and coins on 1 January 2002, these figures are being provided solely at an aggregated euro-area level.

Table 5

Institutional framework*(end of 2002)*

Categories	Number of institutions	Number of branches ¹⁾	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (EUR billions)
Central bank	1	95	0.45	nap	0.33
Credit institutions	62	3,328	2,525.1	nav	14.91
<i>of which:</i>					
<i>commercial banks</i>	42	3,106	2,500.1	nav	14.80
<i>shipping banks</i>	1	1	nav	nap	nav
<i>co-operative banks</i>	15	66	18.2	nap	0.07
<i>specialised credit institutions</i>	3	20	6.8	nap	0.04
<i>postal institution</i>	1	135	nav	nap	nav
Total	63	3,423	2,525.6	nav	15.23
<i>of which:</i>					
<i>virtual institutions</i>	nap	nap	nap	nap	nap
Branches of foreign banks	21	188	128.4	nav	1.74
<i>of which:</i>					
<i>EU-based</i>	14	92	41.6	nav	1.23

1) Not including outlets.

Table 6

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

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	3,417	4,469	5,889	7,154	7,548
Number of networks	18	21	18	20	17
Number of ATMs with a cash dispensing function	2,168	3,054	3,472	4,377	5,078
<i>of which:</i>					
<i>open access</i>	2,168	3,054	3,442	4,377	5,078
<i>limited access</i>	nav	nav	30	0	nav
Volume of transactions (thousands) ¹⁾	78,524	95,336	124,657	159,477	196,345
<i>of which:</i>					
<i>at ATMs with open access</i>	78,524	95,336	122,900	159,477	196,345
<i>at ATMs with limited access</i>	nav	nav	1,757	0	nav
Value of transactions (EUR millions)	12,784	18,770	19,385	26,184	31,581
<i>of which:</i>					
<i>at ATMs with open access</i>	12,784	18,770	19,279	26,184	31,581
<i>at ATMs with limited access</i>	nav	nav	106	0	nav
Number of ATMs with a giro transfer function	nav	nav	3,363	4,164	4,731
<i>volume of transactions (thousands)</i>	nav	nav	584	925	1,177
<i>value of transactions (EUR millions)</i>	nav	nav	553	784	881
Debit function					
Cards with a debit function (thousands)	1,413	3,975	3,524	4,515	5,275
<i>of which:</i>					
<i>retailer cards (thousands)</i>	nav	nav	nav	nav	nav
Number of networks	nav	nav	4	5	6
Number of terminals	nav	nav	64,039	89,110	114,142

Volume of transactions (thousands)	nav	nav	602	1,467	2,021
<i>of which:</i>					
<i>transactions with retailer cards (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (EUR millions)	nav	nav	42	106	162
<i>of which:</i>					
<i>transactions with retailer cards (EUR millions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Credit function ²⁾					
Cards with a credit function (thousands)	1,513	2,014	3,030	4,144	5,157
<i>of which:</i>					
<i>retailer cards (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	6	8	9	9	8
Number of terminals	55,318	74,705	201,550	277,299	350,554
Volume of transactions (thousands)	nav	nav	50,220	41,859	39,277
<i>of which:</i>					
<i>transactions with retailer cards (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (EUR millions)	nav	nav	3,092	2,120	2,185
<i>of which:</i>					
<i>transactions with retailer cards (EUR millions)</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
Number of accepting terminals	nap	nap	nap	nap	nap
Number of networks	nap	nap	nap	nap	nap
Number of purchase transactions (thousands)	nap	nap	nap	nap	nap
Value of purchase transactions (EUR millions)	nap	nap	nap	nap	nap
Number of loading transactions (thousands)	nap	nap	nap	nap	nap
Number of loading terminals	nap	nap	nap	nap	nap
Value of money loaded (EUR millions)	nap	nap	nap	nap	nap
Float (EUR millions)	nap	nap	nap	nap	nap
Delayed debit cards (charge cards) ³⁾					
Cards with a delayed debit function (thousands)	nav	nav	nav	306	306
Number of terminals	nav	nav	nav	133,558	190,060
Volume of transactions (thousands)	nav	nav	nav	5,921	6,024
Value of transactions (EUR millions)	nav	nav	nav	672	719
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	nav	nav	8,990	11,032	11,982
<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>cards with a cheque guarantee function (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

1) For certain credit institutions balance enquiries are included.

2) Data for travel and entertainment (charge) cards are not available.

3) For the years 1998 to 2000, data for delayed debit cards are included in the figures for cards with a credit function.

Table 7

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

	1998	1999	2000	2001	2002
HERMES	nap	nap	861	1,058	1,210
EURO HERMES ¹⁾	nap	31	100	nap	nap
Athens Clearing Office	6,071	5,488	5,408	5,197	4,477
<i>of which:</i>					
<i>cheques in euro</i>	5,922	5,362	5,322	5,115	4,406
<i>cheques in foreign exchange</i>	99	88	86	82	71
<i>credit transfers ²⁾</i>	50	38	nap	nap	nap
DIAS S.A.	11,083	11,721	25,952	29,178	24,546
<i>of which:</i>					
<i>cheques in euro</i>	11,083	11,714	12,001	12,537	12,308
<i>credit transfers</i>	nap	7	12	20	98
<i>ATM withdrawals</i>	nav	nav	13,939	16,621	12,140
Concentration ratio					
HERMES	nap	nap	nav	47%	46%
EURO HERMES	nap	nav	nav	nap	nap
Athens Clearing Office	nav	53%	49%	46%	45%
DIAS S.A.	nav	81%	81%	82%	77%

1) Since 1 January 2001 HERMES and EURO HERMES have been integrated into one system.

2) Since 2000 ACO has been performing only clearing of cheques.

Table 8

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

	1998	1999	2000	2001	2002
HERMES	nap	nap	3,728	2,410	2,683
EURO HERMES ¹⁾	nap	331	214	nap	nap
Athens Clearing Office	625	748	244	196	187
<i>of which:</i>					
<i>cheques in euro</i>	195	263	243	195	186
<i>cheques in foreign exchange</i>	1	1	1	1	1
<i>credit transfers ²⁾</i>	429	484	nap	nap	nap
DIAS S.A.	33	38	54	67	70
<i>of which:</i>					
<i>cheques in euro</i>	33	38	53	65	68
<i>credit transfers</i>	nap	neg	neg	neg	neg
<i>ATM withdrawals</i>	nav	nav	1	2	2
Concentration ratio					
HERMES	nap	nap	nav	52%	56%
EURO HERMES	nap	nav	nav	nap	nap
Athens Clearing Office	nav	44%	56%	53%	53%
DIAS S.A.	nav	72%	76%	76%	75%

1) Since 1 January 2001 HERMES and EURO HERMES have been integrated into one system.

2) Since 2000 ACO has been performing only clearing of cheques.

Table 9

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

	1998	1999	2000	2001	2002
Instruments ¹⁾					
Cheques ²⁾	17.10	17.16	17.41	17.73	16.78
<i>of which:</i>					
<i>face-to-face</i>	17.10	17.16	17.41	nav	nav
<i>via PC or other terminal</i>	nap	nap	nap	nav	nav
<i>telebanking</i>	nap	nap	nap	nav	nav
<i>via mobile phone</i>	nap	nap	nap	nav	nav
Payments by debit card	nav	nav	0.60	1.47	2.02
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	0.60	1.46	2.02
<i>via PC or other terminal</i>	nap	nap	nap	neg	neg
<i>telebanking</i>	nap	nap	nap	0	0
<i>via mobile phone</i>	nap	nap	nap	neg	neg
Payments by credit card ³⁾	nav	nav	50.22	47.78	45.30
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	50.17	nav	nav
<i>via PC or other terminal</i>	nav	nav	0.05	nav	nav
<i>telebanking</i>	nav	nav	nav	0	0
<i>via mobile phone</i>	nap	nap	nap	0	neg
Credit transfers ⁴⁾	nav	nav	7.17	5.39	9.42
<i>of which:</i>					
<i>face-to-face</i>	0.55	nav	5.51	2.87	5.02
<i>via PC or other terminal</i>	nav	nav	0.28	0.45	1.70
<i>telebanking</i>	nav	nav	0.80	1.66	2.25
<i>via mobile phone</i>	nap	nap	neg	neg	0.03
Direct debits	nav	2.93	3.40	6.47	10.89
<i>of which:</i>					
<i>face-to-face</i>	nav	2.93	3.40	6.44	10.37
<i>via PC or other terminal</i>	nap	nap	nap	0.01	0.18
<i>telebanking</i>	nap	nap	nap	0.02	0.34
<i>via mobile phone</i>	nap	nap	nap	0	0
Card-based electronic money	nap	nap	nap	nap	nap
Network-based electronic money	nap	nap	nap	nap	neg
Total	nav	nav	78.80	78.83	84.41

1) For 2001 a significant lack of data regarding credit transfers has been recorded.

2) All cheques for which the acquiring bank is different from the issuing bank.

3) Payments by delayed debit card are included in the figures for payments by credit card.

4) Includes items initiated by banks as follows: for 1998: nav, for 1999: nav, for 2000: 0.580 million, for 2001: 0.412 million, for 2002: 0.420 million.

Table 10

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

	1998	1999	2000	2001	2002
Instruments ¹⁾					
Cheques ²⁾	229.21	302.25	296.38	261.54	254.56
<i>of which:</i>					
<i>face-to-face</i>	229.21	302.25	296.38	nav	nav
<i>via PC or other terminal</i>	nap	nap	nap	nav	nav
<i>telebanking</i>	nap	nap	nap	nav	nav

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via mobile phone	nav	nav	nav	nav	nav
Payments by debit card	nav	nav	0.04	0.11	0.16
of which:					
face-to-face	nav	nav	0.04	0.11	0.16
via PC or other terminal	nav	nav	nav	neg	neg
telebanking	nav	nav	nav	0	0
via mobile phone	nav	nav	nav	neg	neg
Payments by credit card ³⁾	nav	nav	3.09	2.79	2.90
of which:					
face-to-face	nav	nav	3.05	nav	nav
via PC or other terminal	nav	nav	0.04	nav	nav
telebanking	nav	nav	nav	0	0
via mobile phone	nav	nav	nav	0	0
Credit transfers ⁴⁾	nav	nav	6,388.09	3,052.89	4,638.94
of which:					
face-to-face	124.71	nav	2,104.48	867.30	2,501.34
via PC or other terminal	nav	nav	14.23	5.51	6.84
telebanking	nav	nav	502.47	309.96	34.07
via mobile phone	nav	nav	neg	neg	neg
Direct debits	nav	1.53	1.89	1.97	2.94
of which:					
face-to-face	nav	1.53	1.89	1.93	2.85
via PC or other terminal	nav	nav	nav	0.04	0.05
telebanking	nav	nav	nav	neg	0.04
via mobile phone	nav	nav	nav	0	0
Card-based electronic money	nav	nav	nav	nav	nav
Network-based electronic money	nav	nav	nav	nav	neg
Total	nav	nav	6,689.49	3,319.30	4,899.51

1) For 2001 a significant lack of data regarding credit transfers has been recorded.

2) All cheques for which the acquiring bank is different from the issuing bank.

3) Payments by delayed debit card are included in the figures for payments by credit card.

4) Includes items initiated by banks as follows: for 1998: nav, for 1999: nav, for 2000: EUR 3,766.910 billion, for 2001: EUR 1,870.120 billion, for 2002: 2,096.699 billion.

Table 11a

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

(thousands)

	1998	1999	2000	2001	2002
Trading platforms					
HDAT ¹⁾	5	13	11	60	103
Athens Stock Exchange (ASE)	7,455	24,052	22,043	15,132	9,130
Clearing houses					
Athens Derivatives Exchange Clearing House (ADECH) ²⁾					
Futures	nav	49	1,164	1,860	5,195
of which:					
index	nav	49	913	1,845	4,859
stocks	nav	nav	nav	nav	336
bonds ³⁾	nav	nav	251	15	nav
Options	nav	nav	26	303	2,123
Securities settlement systems					
BOGS ¹⁾	58	117	135	264	363
of which:					
primary market	2.20	2.90	1.20	0.60	0.41
ASE's CSD	7,480	22,908	21,973	15,045	9,131

1) Only government securities.

2) Data provided by ADECH are based on the number of traded contracts.

3) Bond futures ceased to be traded on the Athens Derivatives Exchange (ADE) and therefore to be cleared by ADECH on February 2001.

Table 11b

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

	1998	1999	2000	2001	2002
Trading platforms					
HDAT ^{1), 2)}	8	42	64	314	566
Athens Stock Exchange (ASE)	42	173	102	42	25
Clearing houses					
Athens Derivatives Exchange Clearing House (ADECH)					
Futures	nap	1	28	14	12
<i>of which:</i>					
<i>index</i>	nap	1	9	12	12
<i>stocks</i>	nap	nap	nap	nap	neg
<i>bonds</i> ^{3), 4)}	nap	nap	19	2	nap
Options ⁵⁾	nap	nap	0.01	0.19	0.41
Securities settlement systems					
BOGS ^{2), 6)}	239	496	1,068	1,755	2,932
<i>of which:</i>					
<i>primary market</i>	57	56	33	25	32
ASE's CSD	41	158	99	42	25

1) Nominal value of transactions.

2) Only government securities.

3) Nominal value of transactions.

4) Bond futures ceased to be traded on the Athens Derivatives Exchange (ADE) and therefore to be cleared by ADECH on February 2001.

5) The total value of options traded and cleared has been measured on the basis of their premiums.

6) Nominal value of transactions for data up to 2000.

Table 11c

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

	1998	1999	2000	2001	2002
Trading systems					
HDAT	40	35	34	35	34
<i>of which:</i>					
<i>domestic banks</i>	20	17	14	14	14
<i>foreign banks</i>	17	15	17	19	19
<i>specialised credit institutions</i>	3	3	3	2	1
Athens Stock Exchange (ASE)	65	75	90	87	87
<i>of which:</i>					
<i>domestic brokers/dealers</i>	65	75	90	87	87
<i>foreign brokers/dealers</i>	0	0	0	0	0
Clearing systems					
Athens Derivatives Exchange Clearing House (ADECH)					
Direct clearing members	nap	15	26	35	36
General clearing members (banks)	nap	3	8	10	12
Non-clearing members	nap	1	9	21	24
Securities settlement systems					
BOGS	76	87	96	101	102
<i>of which:</i>					
<i>domestic banks</i>	17	18	16	22	22
<i>foreign banks</i>	18	18	18	17	17
<i>specialised credit institutions</i>	3	3	3	2	1
<i>domestic brokers/dealers</i>	38	48	59	60	62
<i>foreign brokers/dealers</i>	0	0	0	0	0

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ASE's CSD	nav	127	125	128	122
<i>of which:</i>					
<i>banks</i>	0	38	33	39	35
<i>brokers/dealers</i>	65	89	92	89	87

Table 11d
Outstanding securities
(end of year, EUR billions)

	1998	1999	2000	2001	2002
Name of system					
HDAT					
Value of securities traded	54	79	81	95	112
Number of securities traded	107	383	176	65	62
Athens Stock Exchange (ASE)					
Value of stocks listed	67	198	118	97	66
Value of other securities listed	67	77	77	81	115
Number of stocks listed	258	294	342	349	349
Number of other securities listed	425	389	360	144	75
BOGS					
Value of securities issued	62	83	94	106	33
Number of securities issued ^{1), 2)}	149	180	153	115	70
ASE's CSD					
Value of securities cleared	61	192	115	97	66
Number of securities registered	258	294	342	349	353

1) New ISIN issues as well as reopenings.

2) For 2001, new ISIN: 26, reopenings: 89, for 2002, new ISIN: 35, reopenings: 35.

Table 11e
Netting ratio in clearing systems

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

Table 12
Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	22	18	17	17	16
<i>of which live</i>	22	18	17	17	16
Sub-members	21	20	21	21	19
<i>of which live</i>	21	20	21	19	19
Participants	1	5	5	7	11
<i>of which live</i>	1	5	5	6	10
Total users	44	43	43	45	46
<i>of which live</i>	44	43	43	42	45
<i>Memorandum items:</i>					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>					
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	6,087,598	7,712,974	10,480,613	10,661,141	12,269,555
<i>of which:</i>					
<i>category I</i>	1,711,688	1,946,686	2,635,530	3,356,428	3,825,398
<i>category II</i>	2,032,025	2,114,493	1,837,109	1,262,102	1,455,713
Total messages received	5,411,163	6,301,570	8,400,063	8,259,009	9,502,713
<i>of which:</i>					
<i>category I</i>	1,306,175	1,549,645	2,284,518	3,059,670	3,614,644
<i>category II</i>	1,584,059	1,929,463	1,639,709	738,627	889,617
Domestic traffic	1,643,201	2,046,016	4,140,522	4,111,076	5,018,952
<i>Memorandum item:</i>					
Global SWIFT traffic ¹⁾	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

	1998	1999	2000	2001	2002
Population (thousands)	39,453	39,626	39,927	40,266	40,546
GDP (ECU/EUR billions) ¹⁾	528.0	565.2	609.3	651.6	693.9
GDP per capita (ECU/EUR) ¹⁾	13,382	14,263	15,261	16,184	17,114
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
end of year ²⁾	166.386	166.386	166.386	166.386	166.386
average ²⁾	167.184	166.386	166.386	166.386	166.386

1) In all tables, the irrevocable conversion rate to the euro has been used for 1998 data.

2) Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999.

Table 2

Settlement media used by non-banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Banknotes and coins	51	55	54	43	nap ¹⁾
Transferable deposits ²⁾	198	246	265	313	340
Narrow money supply ³⁾	244	300	320	355	nap ¹⁾
Outstanding value on e-money schemes	0.010	0.015	0.017	0.022	0.023
of which:					
on card-based products	0.010	0.015	0.017	0.022	0.023
on network-based products	nap	neg	neg	neg	neg

1) Due to banknote migration, data are available only at an aggregated euro area level, not for individual euro area countries.

2) Since 1999 public sector deposits in the private financial sector are included.

3) The definition of this figure does not correspond with M1.

Table 3

Settlement media used by banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank	6.51	8.71	9.72	10.95	11.52
of which:					
required reserves	6.44	8.67	9.68	10.90	11.47
free reserves	0.07	0.05	0.04	0.05	0.05
Transferable balances held at other banks	1.29	1.38	1.02	0.58	0.32

Table 4

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

	1998		1999		2000		2001		2002	
	EUR	ESP	EUR	ESP	EUR	ESP	EUR	ESP	EUR	ESP
Total banknotes issued	52.73	8,773	58.94	9,807	57.23	9,522	46.40	7,720		
<i>of which:</i>										
ESP 10,000	29.37	4,887	33.47	5,569	33.89	5,638	27.44	4,565		
ESP 5,000	19.27	3,206	20.73	3,450	18.84	3,134	15.25	2,537		
ESP 2,000	2.61	434	3.16	526	2.99	498	2.44	407		
ESP 1,000	1.48	246	1.57	262	1.51	252	1.27	211		
Other	<i>neg</i>									
Total coins issued	2.30	382	2.43	405	2.60	432	2.52	420		
<i>of which:</i>										
ESP 2,000	0.23	39	0.25	41	0.25	42	0.26	43		
ESP 500	0.64	106	0.67	111	0.70	117	0.65	108		
ESP 200	0.10	16	0.09	15	0.09	15	0.08	13		
ESP 100	0.81	135	0.88	146	0.96	160	0.95	158		
ESP 50	0.04	6	0.04	6	0.03	5	0.03	5		
ESP 25	0.26	43	0.27	45	0.29	49	0.29	49		
ESP 10	0.02	4	0.02	4	0.02	4	0.02	3		
ESP 5	0.11	19	0.13	22	0.14	24	0.15	25		
ESP 2	<i>neg</i>									
ESP 1	0.01	2	0.01	2	0.01	2	0.01	2		
Other	0.07	12	0.08	13	0.08	13	0.08	14		
Total banknotes and coins issued	55.02	9,155	61.38	10,212	59.82	9,954	48.92	8,140		
Banknotes and coins held by credit institutions	4.32	719	6.64	1,104	5.39	896	6.23	1,036		
Banknotes and coins in circulation outside credit institutions	50.70	8,436	54.74	9,108	54.45	9,059	42.70	7,104		

Following the introduction of the euro banknotes and coins on 1 January 2002, these figures are being provided solely at an aggregated euro-area level.

Table 5

Institutional framework*(end of 2002)*

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts ¹⁾	Value of accounts (EUR billions) ²⁾
Central bank	1	42	neg	nav	nav
Commercial banks	143	14,072	23,407	nav	163
Savings banks	47	20,326	43,764	nav	157
Co-operative and rural banks	84	4,276	6,404	nav	20
Postal institution	nav	nav	nav	nav	nav
Total	275	38,716	73,575	nav	340
<i>of which:</i>					
<i>virtual institutions</i>	6	nav	1,133	1,133	8.4
Branches of foreign banks	59	139	587	nav	6.7
<i>of which:</i>					
<i>EU-based</i>	50	115	580	nav	6.5

1) Although there are no data available, most credit institutions offer internet services to their customers.

2) Public sector deposits are included.

Table 6

Payment card functions and accepting devices¹⁾*(end of year)*

	1998	1999	2000	2001	2002
Cash function²⁾					
Cards with a cash function (thousands)	39,385	43,476	46,682	51,575	57,083
Number of networks	3	3	3	3	3
Number of ATMs with a cash dispensing function ³⁾	37,893	41,871	44,851	46,990	49,876
Volume of transactions (millions)	638	660	728	688	871
Value of transactions (EUR billions)	53	58	62	58	78
Number of ATMs with a giro transfer function ⁴⁾	nav	nav	nav	nav	nav
<i>volume of transactions (millions)</i>	nav	nav	nav	nav	nav
<i>value of transactions (EUR billions)</i>	nav	nav	nav	nav	nav
Debit function⁵⁾					
Cards with a debit function (thousands)	38,606	42,778	45,801	50,582	53,622
<i>of which:</i>					
<i>retailer cards (thousands)</i>	nav	nav	nav	nav	nav
Number of networks	3	3	3	3	3
Number of terminals ⁶⁾	722,498	745,065	802,698	853,055	892,952
Volume of transactions (millions)	212	257	287	340	612
<i>of which:</i>					
<i>transactions with retailer cards (millions)</i>	nav	nav	nav	nav	nav
Value of transactions (EUR billions)	8.18	10.01	11.27	13.95	25.06
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</i>	nav	nav	nav	nav	nav

Credit and delayed debit cards (charge cards) ^{7), 8)}

Cards with a credit function (thousands)	12,922	15,772	16,057	17,746	20,948
<i>of which:</i>					
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	3	3	3	3	3
Number of terminals ⁹⁾	722,498	745,065	802,698	853,055	892,952
Volume of transactions (millions)	189	219	222	259	401
<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>
Value of transactions (EUR billions)	11.09	12.92	13.55	15.53	23.91
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</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)	5,691	8,089	10,496	9,836	8,831
Number of accepting terminals	99,335	131,702	188,510	186,789	195,200
Number of networks	3	3	3	3	3
Number of purchase transactions (millions)	2.23	2.02	1.79	1.13	1.21
Value of purchase transactions (EUR millions)	6.22	5.71	4.62	2.71	1.92
Number of loading transactions (millions)	1.38	1.27	1.04	0.61	0.25
Number of loading terminals	16,774	22,149	27,279	29,420	32,025
Value of money loaded (EUR millions)	22.48	21.54	18.07	12.09	3.12
Float (EUR millions)	10.28	15.06	16.77	21.63	23.00

Memorandum item:

Total number of cards in circulation (thousands)	40,380	45,181	48,406	52,912	57,702
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function (thousands)</i>	<i>nav</i>	<i>5,217</i>	<i>6,938</i>	<i>6,235</i>	<i>4,751</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>

1) Most data in this table are estimations based on information provided by the card networks.

2) Cash operations at ATMs initiated by any kind of card.

3) The number of limited access ATMs in Spain is negligible.

4) In most cases, the possibility of making transfers at an ATM depends on the credit institution, not on the card network.

5) Volume and value of transactions initiated at EFTPOS terminals with debit cards.

6) EFTPOS terminals accepting debit cards.

7) Volume and value of transactions initiated at EFTPOS terminals with credit or delayed debit cards.

8) Delayed debit cards are used much more in Spain than pure credit cards.

9) EFTPOS terminals accepting credit cards.

Table 7**Payment instructions handled by selected interbank funds transfer systems:****volume of transactions ¹⁾***(millions)*

	1998	1999	2000	2001	2002
SPI ²⁾	2.20	1.10	0.98	1.37	1.78
Retail payments ³⁾	nap	nap	nap	nap	nap
<i>of which:</i>					
<i>cheques</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>direct debits</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>bills of exchange</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Large-value payments	2.20	1.10	0.98	1.37	1.78
<i>of which:</i>					
<i>domestic</i>	<i>0.10</i>	<i>0.05</i>	<i>0.05</i>	<i>0.04</i>	<i>0.03</i>

<i>cross-border transfers</i> ⁴⁾	2.10	1.06	0.93	1.33	1.74
SNCE ⁵⁾	789.90	861.90	931.57	982.28	1059.62
Computer link	677.70	853.10	931.57	982.28	1059.62
<i>of which:</i>					
<i>cheques</i>	131.40	139.70	135.38	129.32	122.14
<i>credit transfers</i>	121.60	150.30	170.49	188.24	210.36
<i>direct debits</i>	379.40	481.40	547.96	599.83	667.36
<i>petrol and traveller cheques</i>	<i>nap</i>	17.00	19.60	14.16	13.07
<i>bills of exchange</i>	45.30	64.70	58.13	50.54	45.57
<i>other operations</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	0.20	1.11
Magnetic tape	112.2	8.8	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>of which:</i>					
<i>cheques</i>	11.30	0.90	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>credit transfers</i>	11.20	0.60	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>direct debits</i>	40.50	3.90	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>petrol cheques</i>	18.80	2.10	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>bills of exchange</i>	30.40	1.30	<i>nap</i>	<i>nap</i>	<i>nap</i>
SLBE	2.21	2.30	2.40	2.67	3.09
Interbank loans market	0.19	0.13	0.11	0.12	0.11
Book-entry debt market	0.70	0.60	0.51	0.57	0.64
Cross-border bank transfers (sent)	<i>nap</i>	0.18	0.28	0.31	0.44
Cross-border bank transfers (received) ⁶⁾	<i>nap</i>	0.39	0.56	0.65	0.87
Domestic interbank transfers	0.65	0.77	0.94	1.13	1.34
Other	0.67	0.63	0.56	0.54	0.55
Concentration ratio ⁷⁾					
SPI	57.01%	51.44%	59.19%	57.81%	60.49%
SNCE	58.45%	63.24%	61.85%	61.45%	61.47%
SLBE	<i>nav</i>	<i>nav</i>	41.68%	36.38%	34.17%

1) The table contains both customer and interbank transactions.

2) This private company was formerly the Madrid Clearing House.

3) Since January 1997 retail payments have been processed through the SNCE system.

4) Large-value transfers to/from non-residents.

5) Since 1999 all payments have been processed via computer link.

6) Not included in the total of SLBE.

7) Market share of the five largest participants in each payment system, based on the total volume of transactions.

Table 8

Payment instructions handled by selected interbank funds transfer systems:

value of transactions ¹⁾

(EUR billions)

	1998	1999	2000	2001	2002
SPI ²⁾	9,926.2	939.3	448.4	360.1	302.9
Retail Payments ³⁾	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>of which:</i>					
<i>cheques</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>direct debits</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>bills of exchange</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Large-value payments	9,926.2	939.3	448.4	360.1	302.9
<i>of which:</i>					
<i>domestic</i>	551.0	186.1	93.0	67.2	55.5
<i>cross-border transfers</i> ⁴⁾	9,375.2	753.2	355.4	293.0	247.4
SNCE ⁵⁾	1,006.0	1,108.5	1,196.3	1,272.3	1,423.0
Computer link	840.2	1,098.9	1,196.3	1,272.3	1,423.0
<i>of which:</i>					
<i>cheques</i>	435.7	498.8	517.7	524.0	534.2
<i>credit transfers</i>	218.9	325.9	369.9	410.8	483.3

direct debits	102.8	137.3	168.1	190.5	214.3
petrol cheques	nap	0.4	0.5	0.3	0.5
bills of exchange	82.8	136.5	140.0	137.9	139.6
other operations	nap	nap	nap	8.8	51.1
Magnetic tape	165.8	9.6	nap	nap	nap
of which:					
cheques	51.4	3.3	nap	nap	nap
credit transfers	46.8	2.4	nap	nap	nap
direct debits	9.6	0.9	nap	nap	nap
petrol cheques	0.5	0.04	nap	nap	nap
bills of exchange	57.4	3.0	nap	nap	nap
SLBE	32,525.2	31,357.1	34,413.5	53,228.1	63,444.2
Interbank loans market	5,545.3	4,109.5	3,762.2	3,975.4	4,844.5
Book-entry debt market	21,527.9	18,815.2	18,671.0	32,092.5	40,233.9
Cross-border bank transfers (sent)	nap	3,851.0	4,277.1	4,972.8	4,552.2
Cross-border bank transfers (received) ⁶⁾	nap	3,869.1	4,277.2	4,949.7	4,539.3
Domestic interbank transfers	2,037.8	2,400.7	5,164.6	4,659.3	3,728.7
Other	3,414.2	2,180.7	2,538.6	7,528.1	10,084.9
Concentration ratio⁷⁾					
SPI	62.06%	59.54%	63.50%	63.14%	66.88%
SNCE	54.94%	58.36%	58.76%	60.20%	57.85%
SLBE	nav	nav	39.06%	41.68%	41.94%

1) The table contains both customer and interbank transactions.

2) This private company was formerly the Madrid Clearing House.

3) Since January 1997 retail payments have been processed through the SNCE system.

4) Large-value transfers to/from non-residents.

5) Since 1999 all payments have been processed via computer link.

6) Not included in the total of SLBE.

7) Market share of the five largest participants in each payment system, based on the total volume of transactions.

Table 9

Indicators of the use of various cashless payment instruments:

volume of transactions^{1), 2), 3)}

(millions)

	1998	1999	2000	2001	2002
Instruments					
Cheques	220.5	209.4	197.4	166.7	168.0
of which:					
face-to-face	220.5	209.4	197.4	166.7	168.0
teletanking, via PC or other terminal	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Payments by debit card ⁴⁾	212.3	256.9	286.6	340.1	612.4
of which:					
face-to-face	nap	nap	nap	nap	nap
teletanking, via PC or other terminal	212.3	256.9	286.6	340.1	612.4
via mobile phone	nap	nap	nap	nap	nap
Payments by credit card ^{4), 5)}	189.4	219.0	221.8	259.0	400.8
of which:					
face-to-face	nav	3.7	3.1	7.7	4.7
teletanking, via PC or other terminal	nav	215.3	218.7	251.3	396.1
via mobile phone	nap	nap	nap	nap	nap
Credit transfers ⁶⁾	251.4	283.8	338.1	354.3	409.6
of which:					
face-to-face	nav	51.7	57.5	71.0	83.3
teletanking, via PC or other terminal	nav	232.1	280.6	283.2	326.3
via mobile phone	nap	nap	nap	nap	nap

Direct debits	837.1	991.0	1,175.9	1,154.3	1,192.2
<i>of which:</i>					
<i>face-to-face</i>	<i>nav</i>	20.8	75.7	35.5	172.5
<i>telebanking, via PC or other terminal</i>	<i>nav</i>	970.2	1,100.2	1,118.8	1,019.7
<i>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Bills of exchange	103.6	123.8	106.5	98.9	76.7
<i>of which:</i>					
<i>face-to-face</i>	103.6	123.8	106.5	98.9	76.7
<i>telebanking, via PC or other terminal</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>
Traveller's cheques and other documents	27.1	20.9	23.3	15.7	14.6
<i>of which:</i>					
<i>face-to-face</i>	27.1	20.9	23.3	15.7	14.6
<i>telebanking, via PC or other terminal</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>
Card-based electronic money	2.2	2.0	1.8	1.1	1.2
Network-based electronic money	<i>nap</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
Total	1,844	2,107	2,351	2,390	2,876

- 1) This table contains all customer transactions irrespective of whether they are processed intra or interbank.
- 2) The table excludes items initiated by banks; these data are not available.
- 3) Data in this table are estimations based on a survey carried out in a small sample of institutions.
- 4) Transactions submitted electronically via EFTPOS are included in "telebanking, via PC or other terminal".
- 5) Data on credit and delayed debit cards.
- 6) The estimation does not take into account customer transfers processed in large-value payment systems.

Table 10
Indicators of the use of various cashless payment instruments:
value of transactions ^{1), 2), 3)}
(EUR billions)

	1998	1999	2000	2001	2002
Instruments					
Cheques	726.1	723.2	749.5	735.4	735.8
<i>of which:</i>					
<i>face-to-face</i>	726.1	723.2	749.5	735.4	735.8
<i>telebanking, via PC or other terminal</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>
Payments by debit card ⁴⁾	8.2	10.0	11.3	13.9	25.1
<i>of which:</i>					
<i>face-to-face</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>telebanking, via PC or other terminal</i>	8.2	10.0	11.3	13.9	25.1
<i>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by credit card ^{4), 5)}	11.1	12.9	13.6	15.5	23.9
<i>of which:</i>					
<i>face-to-face</i>	<i>nav</i>	0.6	0.9	1.7	0.5
<i>telebanking, via PC or other terminal</i>	<i>nav</i>	12.3	12.6	13.8	23.4
<i>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Credit transfers ⁶⁾	797.0	883.0	965.1	1,277.6	1,563.0
<i>of which:</i>					
<i>face-to-face</i>	<i>nav</i>	135.3	188.4	273.4	313.2
<i>telebanking, via PC or other terminal</i>	<i>nav</i>	747.7	776.7	1,004.2	1,249.8
<i>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Direct debits	183.4	241.6	368.4	310.7	438.2
<i>of which:</i>					
<i>face-to-face</i>	<i>nav</i>	22.5	35.4	16.5	73.9
<i>telebanking, via PC or other terminal</i>	<i>nav</i>	219.1	333.0	294.3	364.3
<i>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

Bills of exchange	191.5	252.3	253.8	245.4	218.5
<i>of which:</i>					
<i>face-to-face</i>	191.5	252.3	253.8	245.4	218.5
<i>telebanking, via PC or other terminal</i>	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap
Traveller's cheques and other documents	0.7	0.5	0.5	0.4	0.6
<i>of which:</i>					
<i>face-to-face</i>	0.7	0.5	0.5	0.4	0.6
<i>telebanking, via PC or other terminal</i>	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap
Card-based electronic money	0.006	0.006	0.005	0.003	0.0
Network-based electronic money	nap	neg	neg	neg	neg
Total	1,918	2,124	2,362	2,599	3,005

- 1) This table contains all customer transactions irrespective of whether they are processed intra or interbank.
- 2) The table excludes items initiated by banks; these data are not available.
- 3) Data in this table are estimations based on a survey carried out in a small sample of institutions.
- 4) Transactions submitted electronically via EFTPOS are included in "telebanking, via PC or other terminal".
- 5) Data on credit and delayed debit cards.
- 6) The estimation does not take into account customer transfers processed in large-value payment systems.

Table 11a

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

(millions)

	1998	1999	2000	2001	2002
Trading platforms					
Stock exchange	11.52	11.00	16.72	14.46	15.70
Shares (SIBE)	11.52	11.00	16.72	14.46	15.70
Bonds (Four Spanish Stock Exchanges)	nav	nav	nav	nav	nav
SENAF	0.06	0.04	0.04	0.05	0.06
Government bonds	0.06	0.04	0.04	0.05	0.06
MTS ESPAÑA¹⁾	nap	nap	nap	nap	0.01
Government bonds	nap	nap	nap	nap	0.01
Clearing houses	nap	nap	nap	nap	nap
Securities settlement systems					
CADE	10.16	8.45	8.67	10.93	10.64
Government securities	10.11	8.43	8.66	10.93	10.64
CDs issued by the Banco de España	0.05	0.02	0.01	0.00	0.00
SCLV	19.50	16.81	24.00	18.38	16.80
Bonds	0.09	0.06	0.09	0.05	0.05
Shares	19.42	16.74	23.91	18.33	16.75
SCLV AIAF	0.04	0.08	0.21	0.66	1.80
Bonds	0.02	0.04	0.12	0.38	1.43
Commercial paper	0.02	0.03	0.09	0.28	0.37
Regional SSSs (SCL Barna, SCL Bilbao, SCL Valencia)	0.06	0.07	0.12	0.14	0.16
Shares	0.04	0.05	0.08	0.09	0.10
Bonds	0.02	0.02	0.05	0.05	0.06

1) MTS España was launched on May 27th 2002.

Table 11b

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

(EUR billions)

	1998	1999	2000	2001	2002
Trading platforms					
Stock exchange	321.0	330.9	529.6	497.8	514.8
Shares (SIBE)	267.8	286.0	488.9	440.2	439.9
Bonds (Four Spanish Stock Exchanges)	53.2	44.9	40.7	57.6	74.9
SENAF	216.4	193.2	220.0	320.8	469.9
Government bonds	216.4	193.2	220.0	320.8	469.9
MTS ESPAÑA	nap	nap	nap	nap	107.7
Government bonds	nap	nap	nap	nap	107.7
Clearing houses	nap	nap	nap	nap	nap
Securities settlement systems					
CADE	52,408.6	43,699.2	42,648.7	60,813.3	69,819.5
Government securities	51,589.8	43,320.4	42,545.4	60,813.3	69,819.5
CDs issued by the Banco de España	818.8	378.8	103.3	0.0	0.0
SCLV	698.1	770.6	1,465.3	1,323.4	1,382.5
Bonds	3.3	4.6	15.9	2.5	2.1
Shares	694.8	766.0	1,449.5	1,320.9	1,380.4
SCLV AIAF	144.2	464.6	693.5	970.2	1,632.0
Bonds	117.7	290.6	418.1	473.4	836.1
Commercial paper	26.5	174.0	275.4	496.8	795.9
Regional SSSs (SCL Barna, SCL Bilbao, SCL Valencia)	53.9	47.1	43.9	61.1	84.9
Shares	0.6	1.2	1.2	1.1	1.8
Bonds	53.2	45.9	42.7	60.0	83.1

Table 11c

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

	1998	1999	2000	2001	2002
Trading systems					
Stock Exchange					
(includes the four exchanges)	nav	59	49	51	50
Banks	nav	0	0	7	8
<i>of which:</i>					
<i>domestic</i>	nav	0	0	nav	nav
<i>foreign</i>	nav	0	0	nav	nav
Brokers/dealers	nav	59	49	44	42
<i>of which:</i>					
<i>domestic</i>	nav	59	49	nav	nav
<i>foreign</i>	nav	0	0	nav	nav
SENAF	nav	31	39	33	37
Banks	nav	21	27	22	25
<i>of which:</i>					
<i>domestic</i>	nav	18	21	14	17
<i>foreign</i>	nav	3	6	8	8
Brokers/dealers	nav	10	12	11	12
<i>of which:</i>					
<i>domestic</i>	nav	1	5	2	5
<i>foreign</i>	nav	9	7	9	7
Others	nav	0	0	0	0
MTS ESPAÑA	nap	nap	nap	nap	22
Banks	nap	nap	nap	nap	0
<i>of which:</i>					
<i>domestic</i>	nap	nap	nap	nap	0

<i>foreign</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	0
Brokers/dealers	nap	nap	nap	nap	22
<i>of which:</i>					
<i>domestic</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	1
<i>foreign</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	21
Others	nap	nap	nap	nap	0
Clearing systems	nap	nap	nap	nap	nap
Securities settlement systems					
CADE ¹⁾	269	253	252	255	248
Banks	208	188	175	178	172
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	156	168	164	154
<i>foreign</i>	<i>nav</i>	32	7	14	18
Brokers/dealers	33	33	36	38	30
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	23	30	32	24
<i>foreign</i>	<i>nav</i>	10	6	6	6
Other:	28	32	41	39	46
Securities settlement systems	<i>nav</i>	2	4	4	4
Central banks of the ESCB	<i>nav</i>	16	16	16	16
Other financial institutions	<i>nav</i>	14	21	19	26
SCLV	105	107	109	119	109
Banks	49	46	44	47	48
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	40	32	35	48
<i>foreign</i>	<i>nav</i>	6	12	12	0
Brokers/dealers	56	60	60	67	55
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	60	59	54	55
<i>foreign</i>	<i>nav</i>	0	1	13	0
Other:	0	1	5	5	6
Securities settlement systems	0	1	5	5	4
Other financial institutions	0	0	0	0	2
SCLV AIAF ¹⁾	92	87	82	81	nap
Banks	69	64	59	59	nap
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	58	45	47	<i>nap</i>
<i>foreign</i>	<i>nav</i>	6	14	12	<i>nap</i>
Brokers/dealers	23	23	23	22	nap
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	23	23	20	<i>nap</i>
<i>foreign</i>	<i>nav</i>	0	0	2	<i>nap</i>
SCL Barcelona	nav	nav	nav	71	70
Banks	nav	nav	nav	36	35
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	36	35
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0	0
Brokers/dealers	nav	nav	nav	35	35
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	35	35
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0	0
SCL Bilbao	nav	nav	nav	56	63
Banks	nav	nav	nav	34	35
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	34	31
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0	4
Brokers/dealers	nav	nav	nav	22	28
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	22	28
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0	0

SCL Valencia	51	54	51	48	52
Banks	36	36	34	32	31
<i>of which:</i>					
<i>domestic</i>	35	35	33	31	30
<i>foreign</i>	1	1	1	1	1
Brokers/dealers	15	18	17	16	21
<i>of which:</i>					
<i>domestic</i>	15	18	17	16	21
<i>foreign</i>	0	0	0	0	0

1) In 2002 SCLV AIAF participants registered their securities transactions in the CADE platform.

Table 11d

Outstanding securities

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Trading platforms					
Stock exchange	370.9	465.0	579.5	568.1	462.0
Four Spanish Stock Exchanges:					
Shares (capitalisation, market value)	348.3	442.6	558.2	550.5	444.2
Bonds (capitalisation, market value)	22.6	22.4	21.3	17.6	17.8
SENAF	nav	nav	nav	nav	nav
MTS ESPAÑA	nap	nap	nap	nap	nav
Securities settlement systems					
(nominal values)					
CADE	251.7	279.7	291.4	294.9	308.1
Value of public debt securities	245.4	276.4	291.4	294.9	308.1
Value of CDs issued by the Banco de España	6.3	3.3	0.0	0.0	0.0
SCLV	50.1	39.2	69.4	83.3	90.9
Value of shares	34.7	25.5	58.7	75.3	84.4
Value of bonds	15.5	13.7	10.7	8.0	6.5
SCLV AIAF	29.9	69.8	76.3	100.2	130.9
Value of bonds	23.3	53.8	59.0	75.8	107.3
Value of short-term instruments	6.6	15.9	17.3	24.4	23.6
Regional SSSs (SCL Barna, SCL Bilbao, SCL Valencia)	9.4	14.4	18.0	21.3	33.1
Shares ¹⁾	3.7	7.5	10.5	13.5	24.5
Bonds	5.7	6.9	7.5	7.8	8.6

1) Until 2001 the data for SCL Valencia are not included.

Table 11e

Netting ratio in clearing systems ¹⁾

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

1) Spanish clearing houses only provide central counterparty services for derivatives.

Table 12

Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	53	41	42	39	39
<i>of which live</i>	52	41	41	39	39
Sub-members	59	60	55	53	54
<i>of which live</i>	58	60	54	51	53
Participants	5	15	11	14	14
<i>of which live</i>	5	13	11	13	13
Total users	117	116	108	106	107
<i>Memorandum items:</i>					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>					
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	20,494,319	20,917,032	25,439,320	28,090,542	32,079,574
<i>of which:</i>					
<i>category I</i>	4,934,156	5,805,158	6,457,855	8,069,193	10,393,763
<i>category II</i>	5,299,941	3,584,165	3,464,624	3,607,121	3,474,295
Total messages received	19,309,880	17,444,352	20,208,487	22,394,039	25,367,721
<i>of which:</i>					
<i>category I</i>	4,891,081	5,617,343	6,475,209	8,173,585	10,380,715
<i>category II</i>	5,363,135	2,678,113	2,408,391	2,499,875	2,380,464
Domestic traffic	4,149,673	2,520,076	2,664,042	3,755,774	5,157,139
<i>Memorandum item:</i>					
Global SWIFT traffic ¹⁾	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

	1998	1999	2000	2001	2002
Population (thousands)	60,049	60,294	60,589	60,912	61,230
GDP (EUR billions) ¹⁾	1,306	1,355	1,420	1,476	1,521
GDP per capita (EUR) ¹⁾	21,746	22,475	23,439	24,225	24,838
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
end of year ¹⁾	6.55957	6.55957	6.55957	6.55957	6.55957
average ¹⁾	6.60140	6.55957	6.55957	6.55957	6.55957

1) In all tables, the irrevocable conversion rate to the euro has been used for 1998 data.

1) Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999.

Table 2

Settlement media used by non-banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Banknotes and coins	41.4	44.7	44.6	29.3	nap ¹⁾
Transferable deposits ^{3), 6)}	281.3	308.9	333.5	371.2	374.0
Other	neg	neg	neg	neg	neg
Narrow money supply (M1) ^{4), 6)}	322.7	353.6	378.1	400.5	nap ¹⁾
Memorandum items:					
Broad money supply ⁵⁾	875.1	931.9	999.6	1,080.3	1,073.3 ²⁾
Transferable deposits in foreign currencies ⁶⁾	nap	nap	nap	nap	nap
Outstanding value on e-money schemes	nap	neg	neg	neg	neg
of which:					
on card-based products	nap	neg	neg	neg	0.07
on network-based products	nap	neg	neg	neg	neg

1) Due to banknote migration, data are available only at an aggregated euro area level, not for individual euro-area countries.

2) Excluding currency in circulation. This figure is not comparable with those reported in previous years.

3) Excluding deposits in French overseas territories.

4) Coins, French franc-denominated sight deposits held by non-banks (excluding French overseas territories).

5) Provisional figures.

6) Revised figures

Table 3

Settlement media used by banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank	16.6	24.0	27.9	29.8	33.2
of which:					
required reserves ^{1), 2)}	13.5	18.5	20.5	22.9	22.8
free reserves	-0.6	0.1	0.2	0.2	0.1
Transferable balances held at other banks ²⁾	157.6	189.8	181.8	188.3	178.2
Memorandum item:					
Institutions' borrowing from central bank ³⁾	25.4	44.9	24.7	14.4	12.2

1) Change in the reserves policy from 16 October 1998.

2) Daily average for the last period of the year.

3) Revised figures

Table 4

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

	1998		1999		2000		2001		2002	
	EUR	FRF	EUR	FRF	EUR	FRF	EUR	FRF	EUR	FRF
Total banknotes issued	42.3	277.2	46.3	303.5	46.1	302.2	31.5	206.8		
<i>of which:</i>										
FRF 500	21.8	143.2	23.5	154.5	21.9	143.5	12.8	84.3		
FRF 200	12.8	84.1	14.6	96.1	15.9	104.4	12.1	79.4		
FRF 100	6.5	42.7	6.9	45.3	7.1	46.4	5.5	36.3		
FRF 50	1.0	6.3	1.0	6.6	1.0	6.9	0.9	6.0		
FRF 20	0.2	1.0	0.2	1.0	0.2	1.1	0.1	0.9		
Total coins issued	2.5	16.6	2.6	17.2	2.7	17.8	2.7	17.4		
<i>of which:</i>										
FRF 20	0.1	0.9	0.1	0.8	0.1	0.9	0.1	0.8		
FRF 10	1.3	8.5	1.4	8.9	1.4	9.2	1.4	9.0		
FRF 5	0.3	2.2	0.3	2.3	0.4	2.3	0.3	2.3		
FRF 2	0.2	1.1	0.2	1.2	0.2	1.2	0.2	1.2		
FRF 1	0.3	1.8	0.3	1.9	0.3	1.9	0.3	1.9		
FRF 0,5	0.1	0.8	0.1	0.8	0.1	0.8	0.1	0.8		
FRF 0,2	0.1	0.7	0.1	0.7	0.1	0.7	0.1	0.7		
FRF 0,1	0.1	0.5	0.1	0.5	0.1	0.5	0.1	0.5		
FRF 0,05	<i>neg</i>	0.2	<i>neg</i>	0.2	<i>neg</i>	0.2	<i>neg</i>	0.2		
Total banknotes and coins issued	44.8	293.9	48.9	320.7	48.8	320.0	34.2	224.3		
Banknotes and coins held by credit institutions	3.4	22.3	4.2	27.6	4.2	27.6	4.9	32.1		
Banknotes and coins in circulation outside credit institutions	41.4	271.6	44.7	293.1	44.6	292.5	29.3	192.1		
Memorandum item:										
Banknotes held in French overseas territories	1.5	9.8	1.7	11.2	1.8	11.8	1.8	11.7		

Following the introduction of the euro banknotes and coins on 1 January 2002, these figures are being provided solely at an aggregated euro-area level.

Table 5

Institutional framework*(end of 2002)*

Categories	Number of institutions ¹⁾	Number of branches ^{1), 2)}	Number of accounts (thousands)	Number of internet-linked accounts ³⁾	Value of accounts (EUR billions)
Central bank	1	211	68	nav	0.8
Commercial banks	346	10,243	20,868	nav	148.0
Savings banks	33	4,549	10,470	nav	23.6
Mutual or co-operative banks	102	11,291	26,453	nav	111.5
Municipal credit banks	20	79	64	nav	nav
Financial companies	494	nav	nav	nav	nav
Specialised financial institutions	16	nav	nav	nav	4.1
Investment firms	555	nav	nav	nav	nav
Post Office ³⁾	1	11,092	10,435	nav	32.4
Treasury	1	nav	nav	nav	49.9
Total	1,569	37,465	68,358	nav	370.3 ^{4), 5)}
<i>of which:</i>					
<i>virtual institutions</i>	nav	nav	nav	nav	nav
Branches of foreign banks	90	nav	nav	nav	nav
<i>of which:</i>					
<i>EU-based</i>	52	nav	nav	nav	nav

1) *Offering cashless payment services.*2) *Includes institutions located in Monaco.*3) *Number of accounts associated with internet services (credit transfers, payment of bills, etc carried out via the internet).*4) *Sum of the available data.*5) *Owing to the unavailability of some data, the value of accounts does not equal transferable deposits in Table 2.*

Table 6

Payment card functions and accepting devices ¹⁾*(end of year)*

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	33,861	37,563	40,945	43,315	45,404
Number of networks	nav	nav	nav	nav	nav
Number of ATMs with a cash dispensing function	29,407	32,445	35,162	36,912	38,975
<i>of which:</i>					
<i>open access</i>	28,922	32,195	34,990	36,867	nav
<i>limited access</i>	485	250	172	45	nav
Volume of transactions (millions)	930	1,026	1,082	1,165	1,213
<i>of which:</i>					
<i>at ATMs with open access</i>	nav	nav	nav	nav	nav
<i>at ATMs with limited access</i>	nav	nav	nav	nav	nav
Value of transactions (EUR billions)	53	63	66	71	76
<i>of which:</i>					
<i>at ATMs with open access</i>	nav	nav	nav	nav	nav
<i>at ATMs with limited access</i>	nav	nav	nav	nav	nav
Number of ATMs with a giro transfer function	nav	nav	nav	nav	nav
<i>volume of transactions (millions)</i>	nav	nav	nav	nav	nav
<i>value of transactions (EUR billions)</i>	nav	nav	nav	nav	nav
Debit function ²⁾					
Cards with a debit function (thousands)	30,268	33,499	36,908	39,733	41,852
<i>of which:</i>					
<i>retailer cards (thousands)</i>	nav	nav	nav	nav	nav

Number of networks	nav	nav	nav	nav	nav
Number of terminals	723,388	799,530	839,030	904,265	956,435
Volume of transactions (millions)	2,580	2,912	3,292	3,671	4,096
<i>of which:</i>					
<i>transactions with retailer cards (millions)</i>	nav	nav	nav	nav	nav
Value of transactions (EUR billions)	121	135	153	170	190
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</i>	nav	nav	nav	nav	nav
Credit function					
Cards with a credit function (thousands)	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>retailer cards (thousands)</i>	nav	nav	nav	nav	nav
Number of networks	nav	nav	nav	nav	nav
Number of terminals	723,388	799,530	839,030	904,265	956,435
Volume of transactions (millions)	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>transactions with retailer cards (millions)</i>	nav	nav	nav	nav	nav
Value of transactions (EUR billions)	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</i>	nav	nav	nav	nav	nav
Electronic money function					
Cards with an e-money function (thousands)	nav	neg	nav	319	838
Number of accepting terminals	nav	nav	nav	13,644	69,172
Number of networks	nav	nav	nav	nav	nav
Number of purchase transactions (millions)	nav	neg	neg	2.8	18
Value of purchase transactions (EUR billions)	nav	neg	neg	0.01	0.07
Number of loading transactions (millions)	nav	neg	neg	0.6	2.60
Number of loading terminals	nav	nav	nav	2,100	15,904
Value of money loaded (EUR billions)	nav	neg	neg	0.019	0.08
Float (EUR billions)	nav	neg	neg	0.009	0.02
Delayed debit cards (charge cards)					
Cards with a delayed debit function (thousands)	nav	nav	nav	nav	nav
Number of terminals	723,388	799,530	839,030	904,265	956,435
Volume of transactions (millions)	nav	nav	nav	nav	nav
Value of transactions (EUR billions)	nav	nav	nav	nav	45.4
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	33,861	37,563	40,945	43,315	45,404
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function (thousands)</i>	nav	nav	nav	nav	nav
<i>cards with a cheque guarantee function (thousands)</i>	nav	nav	nav	nav	nav

1) These data refer to activity within the Groupement des Cartes Bancaires network. They exclude data relating to "private" credit cards and Amex cards.

2) These data refer to both debit and credit functions.

Table 7

Payment instructions handled by selected interbank funds transfer systems: ¹⁾
volume of transactions
(millions)

	1998	1999	2000	2001	2002
Clearing houses ²⁾	3,600.4	3,346.5	3,453.9	3,146.8	146.9
<i>of which:</i>					
<i>Cheques Paris</i>	683.9	683.7	682.2	677.8	93.3

<i>Cheques Province</i>	2,915.3	2,662.8	2,771.7	2,469.1	53.6
<i>Credit transfers</i>	1.1	nap	nap	nap	nap
<i>Avals de trésorerie</i>	neg	nap	nap	nap	nap
<i>Large-value credit transfers</i>	0.1	nap	nap	nap	nap
CREIC^{2), 3)}	298.0	304.5	307.7	270.2	4.3
SIT⁴⁾	5,410.5	5,913.8	6,485.3	7,131.1	11,043.5
<i>of which:</i>					
<i>Truncated cheques</i>	nap	nap	nap	197.5	3,490.6
<i>Credit transfers</i>	1,322.6	1,383.2	1,473.5	1,546.3	1,623.9
<i>LCR and paperless bills of exchange</i>	125.2	121.2	116.5	114.5	109.8
<i>Direct debits</i>	1,098.9	1,219.2	1,327.9	1,374.9	1,513.4
<i>Titres Interbancaires de Paiement</i>	129.4	131.6	134.0	130.1	142.2
<i>Telepayments</i>	0.3	0.4	0.6	0.9	1.4
<i>Card payments</i>	2,164.7	2,443.5	2,781.6	3,076.3	3,471.6
<i>ATM withdrawals</i>	569.4	614.6	651.2	690.5	690.6
Banque de France	0.4	nap	nap	nap	nap
<i>of which:</i>					
<i>Public Treasury transfers</i>	neg	nap	nap	nap	nap
<i>Large-value credit transfers</i>	0.1	nap	nap	nap	nap
<i>Telegraphic credit transfers</i>	0.3	nap	nap	nap	nap
SAGITTAIRE⁵⁾	1.3	nap	nap	nap	nap
TBF (domestic and cross-border)	0.6	2.3	3.0	3.8	3.8
PNS	5.5	5.2	5.5	8.0	7.6
Concentration ratio⁶⁾					
SIT	nav	nav	nav	nav	57.5
TBF	nav	49.8	49.7	46.4	50.1
PNS	nav	nav	nav	nav	60.7

1) Customer and interbank transactions.

2) Closed during 2002

3) Centres Régionaux d'Echanges d'Images-Chèques (truncated cheques).

4) Système Interbancaire de Télécompensation - ACH.

5) Closed during 1998.

6) Market share of the five largest participants

Table 8

Payment instructions handled by selected interbank funds transfer systems:¹⁾
value of transactions

(EUR billions)

	1998	1999	2000	2001	2002
Clearing houses ²⁾	2,126.0	1,929.0	1,889.3	1,750.4	206.6
<i>of which:</i>					
<i>Cheques Paris</i>	751.8	830.5	726.0	763.2	183.6
<i>Cheques Province</i>	1,110.5	1,070.6	1,163.3	987.2	23.0
<i>Credit transfers</i>	29.9	27.9	nap	nap	nap
<i>Avals de trésorerie</i>	27.4	nap	nap	nap	nap
<i>Large-value credit transfers</i>	206.5	nap	nap	nap	nap
CREIC^{2), 3)}	25.0	28.1	25.9	23.1	neg
SIT⁴⁾	2,219.7	2,348.1	2,458.4	2,444.2	4,442.5
<i>of which:</i>					
<i>Truncated cheques</i>	nap	nap	nap	61.8	1,827.9
<i>Credit transfers</i>	1,369.3	1,459.2	1,521.1	1,367.1	1,467.8
<i>LCR and paperless bills of exchange</i>	446.9	444.2	446.3	453.6	436.2
<i>Direct debits</i>	238.0	260.8	285.7	327.2	368.6
<i>Titres Interbancaires de Paiement</i>	36.0	38.0	38.9	41.1	41.4
<i>Telepayments</i>	1.3	3.7	6.3	18.0	105.2

Card payments	99.5	111.4	127.5	140.7	159.4
ATM withdrawals	28.7	30.8	32.7	34.7	35.9
Banque de France	498.8	nap	nap	nap	nap
of which:					
Public Treasury transfers	neg	nap	nap	nap	nap
Large-value credit transfers	223.4	nap	nap	nap	nap
Telegraphic credit transfers	275.4	nap	nap	nap	nap
SAGITTAIRE ⁵⁾	4,478.7	nap	nap	nap	nap
TBF (domestic and cross-border)	41,555.0	65,540.3	68,156.6	87,572.7	90,876.5
PNS	35,932.8	24,041.0	21,844.9	22,324.0	19,966.6
Concentration ratio ⁶⁾					
SIT	nav	nav	nav	nav	61.0%
TBF	nav	51.9%	50.2%	56.3%	58.1%
PNS	nav	nav	nav	nav	59.4%

1) Customer and interbank transactions.

2) Closed during 2002

3) Centres Régionaux d'Echanges d'Images-Chèques (truncated cheques).

4) Système Interbancaire de Télécompensation - ACH.

5) Closed during 1998.

6) Market share of the five largest participants

Table 9

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

volume of transactions

(millions)

	1998	1999	2000	2001	2002
Instruments					
Cheques	4,825	4,480	4,494	4,339	4,577
of which:					
face-to-face	4,825	4,480	4,494	4,339	4,577
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by debit card ²⁾	2,580	2,912	3,292	3,671	4,096
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by credit card	nav	nav	nav	nav	nav
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Credit transfers	1,952	2,051	2,094	2,175	2,493
of which:					
face-to-face	1,951	2,050	2,093	2,175	2,492
via PC or other terminal	0.3	0.4	0.6	0.9	1.4
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Direct debits	1,578	1,731	1,969	2,064	2,184
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav

Card-based electronic money	nav	nav	nav	2.8	18
Network-based electronic money	nav	nav	nav	nav	nav
Total	10,935	11,172	11,848	12,251	13,368

- 1) Contains all customer transactions irrespective of whether they are processed intra or interbank and includes items initiated by banks.
 2) Includes delayed debit and credit cards.

Table 10

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

(EUR billions)

	1998	1999	2000	2001	2002
Instruments					
Cheques	2,318	2,356	2,278	2211 ³⁾	2,352
<i>of which:</i>					
<i>face-to-face</i>	2,318	2,356	2,278	2211 ¹⁾	2,352
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Payments by debit card ²⁾	121	135	153	170	190
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Payments by credit card	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Credit transfers	84,900	78,091	76,871	92,908	96,181
<i>of which:</i>					
<i>face-to-face</i>	84,898	78,087	76,864	92,890	96,076
<i>via PC or other terminal</i>	1.3	3.7	6.3	18.0	105
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Direct debits	525	575	603	703 ³⁾	751
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Card-based electronic money	nav	nav	nav	0.01	0.07
Network-based electronic money	nav	nav	nav	nav	nav
Total	87,863	81,156	79,905	95,992	99,474

- 1) Contains all customer transactions irrespective of whether they are processed intra or interbank and includes items initiated by banks.
 2) Includes delayed debit and credit cards.
 3) Revised figures

Table 11a

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

	1998	1999	2000	2001	2002
Trading platform					
Euronext Paris	45	59	98	88	94
Clearing house					
Clearent SA ¹⁾	45	55	89	81	91
Securities settlement system					
Euroclear France	22	28	41	31	29

1) Launch of central guarantee on OTC activity (euro debts) at the end of 1998.

Table 11b

**Instructions handled by trading platform, clearing houses and securities settlement system:
market value of transactions**
(EUR billions)

	1998	1999	2000	2001	2002
Trading platform					
Euronext Paris	513	723	1,165	1,193	1,160
Clearing house					
Clearent SA ¹⁾	513	1,049	1,205	1,299	1,176
Securities settlement system					
Euroclear France	32,046	38,892	36,835	43,635	52,996

1) Launch of central guarantee on OTC activity (euro debts) at the end of 1998.

Table 11c

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

	1998	1999	2000	2001	2002
Trading systems					
Euronext Paris ¹⁾	nav	267	314	358	391
Banks	217	93	nav	nav	nav
<i>of which:</i>					
<i>domestic</i>	nav	51	nav	nav	nav
<i>foreign</i>	nav	42	nav	nav	nav
Broker/dealer	37	193	nav	nav	nav
<i>of which:</i>					
<i>domestic</i>	nav	99	nav	nav	nav
<i>foreign</i>	nav	94	nav	nav	nav
Clearing systems					
Clearent SA	nav	71	59	93	102
Banks	nav	28	nav	nav	nav
<i>of which:</i>					
<i>domestic</i>	nav	23	nav	nav	nav
<i>foreign</i>	nav	5	nav	nav	nav
Broker/dealer	nav	43	nav	nav	nav
<i>of which:</i>					
<i>domestic</i>	nav	38	nav	nav	nav
<i>foreign</i>	nav	5	nav	nav	nav
Securities settlement systems					
Euroclear (RGV + Relit)	630	679	659	658	637
<i>of which:</i>					
<i>directs participants</i>	371	341	335	331	325

1) Break in series.

Table 11d

Outstanding securities*(end of year)*

	1998	1999	2000	2001	2002
Euronext France					
Value of equities listed (EUR billions)	844	1,499	1,549	1,326	935
Value of other securities listed (EUR billions)	760	764	779	795	818
Number of equities listed	1,097	1,144	1,185	1,177	1,131
Number of other securities listed	1,659	1,533	1,313	1,264	804
Euroclear France					
Value of equities held (EUR billions)	839	1,421	1,511	1,291	936
Value of other securities held (EUR billions)	1,663	1,841	1,995	2,161	2,238
Number of equities held	1,405	1,502	1,557	1,457	1,323
Number of other securities held	18,256	19,829	22,146	24,058	23,603

Table 11e

Netting ratio in clearing systems

	1998	1999	2000	2001	2002
Clearnet SA					
Netting ratio for cash over year	74.0%	77.0%	65.0%	65.4%	65.6%
Netting ratio for securities over year	99.6%	99.7%	95.0%	96.7%	97.0%

Table 12

Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	102	65	68	60	59
<i>of which live</i>	97	65	67	60	59
Sub-members	100	100	99	120	124
<i>of which live</i>	100	98	97	117	124
Participants	54	89	88	68	64
<i>of which live</i>	50	86	84	64	61
Total users	256	254	255	248	247
<i>of which live</i>	251	252	252	241	244
Memorandum items:					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	56,257,693	58,996,665	71,129,963	87,959,936	93,872,958
<i>of which:</i>					
<i>category I</i>	13,701,758	16,617,961	20,521,605	25,087,044	26,021,735
<i>category II</i>	15,345,713	12,392,976	12,832,677	12,995,573	13,103,395
Total messages received	53,393,461	58,640,344	67,257,022	78,905,625	86,561,569
<i>of which:</i>					
<i>category I</i>	14,737,823	18,424,258	22,361,878	27,527,534	28,792,589
<i>category II</i>	14,872,003	12,561,331	12,802,246	12,426,055	12,241,971
Domestic traffic	18,931,262	16,804,963	20,520,170	25,415,355	25,628,460
Memorandum item:					
Global SWIFT traffic ¹⁾	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

	1998	1999	2000	2001	2002
Population (thousands)	3,713	3,754	3,799	3,853	3,911
GDP (ECU/EUR billions) ¹⁾	77.6	89.8	102.9	114.5	128.2
GDP per capita (ECU/EUR) ¹⁾	20,891	23,912	27,086	29,715	32,777
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
end of year ²⁾	0.78756	0.78756	0.78756	0.78756	0.78756
average ²⁾	0.78618	0.78756	0.78756	0.78756	0.78756

1) In all tables, the irrevocable conversion rate to the euro has been used for 1998 data.

2) Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999.

Table 2

Settlement media used by non-banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Banknotes and coins	3.29	3.97	4.50	3.74	nap ¹⁾
Transferable deposits ^{2), 3)}	8.64	12.71	15.12	18.87	19.67
Narrow money supply (M1) ³⁾	11.93	17.36	19.62	22.61	nap ¹⁾
Memorandum items:					
Broad money supply ^{2), 3)}	63.00	91.05	104.40	122.40	128.97 ⁴⁾
Transferable deposits in foreign currencies ²⁾	0.92	0.96	1.07	1.62	1.09
Outstanding value on e-money schemes ⁵⁾	neg	neg	nap	nap	nap
of which:					
on card-based products	neg	neg	nap	nap	nap
on network-based products	neg	neg	nap	nap	nap

1) Due to banknote migration, data are available only at an aggregated euro area level, not for individual euro area countries.

2) Data for 1998 refer to Irish residents only. Data from 1999 refer to euro area residents.

3) Data up to end-1998 refer to non-government deposits. From 1999 data also include "Other general government deposits".

4) Excluding currency in circulation. This value is not comparable with the ones reported in previous years.

5) Pilot schemes in operation during 1998-99 only.

Table 3

Settlement media used by banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank	2.87	2.49	2.71	4.32	4.91
of which:					
required reserves	2.79	2.49	2.67	3.86	4.91
free reserves	0.07	neg	0.04	0.47	0.00
Transferable balances held at other banks	28.23	27.58	27.95	29.69	33.16
Memorandum item:					
Institutions' borrowing from central bank	2.23	5.06	8.41	13.20	11.16

Table 4

Banknotes and coins*(end of year, total value, EUR millions and IEP millions)*

	1998		1999		2000		2001		2002	
	EUR	IEP	EUR	IEP	EUR	IEP	EUR	IEP	EUR	IEP
Total banknotes issued	3,576	2,816	4,524	3,563	4,998	3,936	4,343	3,421		
<i>of which:</i>										
<i>IEP 100</i>	100	79	127	100	147	116	129	102		
<i>IEP 50</i>	576	454	1,134	893	1,653	1,302	1,803	1,420		
<i>IEP 20</i>	2,425	1,910	2,734	2,153	2,660	2,095	1,986	1,564		
<i>IEP 10</i>	319	251	362	285	367	289	280	220		
<i>IEP 5</i>	137	108	150	118	152	120	141	111		
<i>IEP 1</i>	18	14	18	14	17	13	17	13		
Total coins issued	283	223	324	255	375	295	388	305		
<i>of which:</i>										
<i>100p</i>	132	104	155	122	184	145	190	150		
<i>50p</i>	44	35	51	40	56	44	57	45		
<i>20p</i>	38	30	43	34	48	38	51	40		
<i>10p</i>	24	19	27	21	30	24	33	26		
<i>5p</i>	22	17	24	19	28	22	30	24		
<i>2p</i>	11	9	13	10	14	11	14	11		
<i>1p</i>	10	8	11	9	13	10	13	10		
Total banknotes and coins issued	3,859	3,039	4,848	3,818	5,372	4,231	4,731	3,726		
Banknotes and coins held by credit institutions ¹⁾	569	448	879	692	874	688	995	784		
Banknotes and coins in circulation outside credit institutions	3,291	2,592	3,970	3,127	4,499	3,543	3,737	2,943		

Following the introduction of the euro banknotes and coins on 1 January 2002, these figures are being provided solely at an aggregated euro-area level.

1) Represents the amount held by Irish residents.

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 (EUR billions)
Central bank	1	1	1	nap	0.20
Credit institutions	86	1,121	6,341	923	18.25
Total	87	1,122	6,342	923	18.45
<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	31	nav	nav	nav	nav
<i>of which:</i>					
<i>EU-based</i>	<i>31</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

Table 6

Payment card functions and accepting devices
 (end of year)

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	3,130	2,811	3,089	3,219	3,382 ¹⁾
Number of networks	1	1	1	1	1
Number of ATMs with a cash dispensing function	1,229	1,225	1,302	1,335	1,412
<i>of which:</i>					
<i>open access</i>	<i>nav</i>	<i>1,097</i>	<i>1,153</i>	<i>1,335</i>	<i>1,412</i>
<i>limited access</i>	<i>nav</i>	<i>128</i>	<i>149</i>	<i>nav</i>	<i>nav</i>
Volume of transactions (millions)	105	126	131	140	147
<i>of which:</i>					
<i>at ATMs with open access</i>	<i>nav</i>	<i>122</i>	<i>127</i>	<i>140</i>	<i>147</i>
<i>at ATMs with limited access</i>	<i>nav</i>	<i>4</i>	<i>4</i>	<i>nav</i>	<i>nav</i>
Value of transactions (EUR billions)	7	10	12	16	15
<i>of which:</i>					
<i>at ATMs with open access</i>	<i>nav</i>	<i>9</i>	<i>10</i>	<i>16</i>	<i>15</i>
<i>at ATMs with limited access</i>	<i>nav</i>	<i>1</i>	<i>2</i>	<i>nav</i>	<i>nav</i>
Number of ATMs with a giro transfer function	nav	nav	nav	nav	nav
<i>volume of transactions (millions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>value of transactions (EUR billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Debit function					
Cards with a debit function (thousands)	588	701	798	902	1,044 ¹⁾
<i>of which:</i>					
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks (schemes)	1	1	1	1	1
Number of terminals	14,784	18,540	37,000	40,000	45,000
Volume of transactions (millions)	17	25	34	43	55
<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>
Value of transactions (EUR millions)	862	1,300	1,800	2,500	3,300
<i>of which:</i>					
<i>transactions with retailer cards (EUR millions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit function					
Cards with a credit function (thousands)	1,130	1,139	1,352	1,745	1,783
<i>of which:</i>					
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks (schemes)	2	2	2	2	2
Number of terminals	nav	23,000	42,000	48,000	50,000

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Volume of transactions (millions)	nav	47	48	73	80
<i>of which:</i>					
<i>transactions with retailer cards (millions)</i>	nav	nav	nav	nav	nav
Value of transactions (EUR billions)	nav	3	4	6	7
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</i>	nav	nav	nav	nav	nav
Electronic money function ²⁾					
Cards with an e-money function (thousands)	neg	neg	nap	nap	nap
Number of accepting terminals	neg	neg	nap	nap	nap
Number of networks	neg	neg	nap	nap	nap
Number of purchase transactions (millions)	neg	neg	nap	nap	nap
Value of purchase transactions (EUR billions)	neg	neg	nap	nap	nap
Number of loading transactions (millions)	neg	neg	nap	nap	nap
Number of loading terminals	neg	neg	nap	nap	nap
Value of money loaded (EUR billions)	neg	neg	nap	nap	nap
Float (EUR billions)	neg	neg	nap	nap	nap
Delayed debit cards (charge cards) ³⁾					
Cards with a delayed debit function (thousands)	nav	nav	nav	nav	nav
Number of terminals	nav	nav	nav	nav	nav
Volume of transactions (millions)	nav	nav	nav	nav	nav
Value of transactions (EUR billions)	nav	nav	nav	nav	nav
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands) ⁴⁾	4,848	4,651	5,239	5,866	5,957
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function (thousands)</i>	nav	nav	nav	nav	nav
<i>cards with a cheque guarantee function (thousands)</i>	nav	nav	nav	989	907

1) Source: Irish Payments Services Organisation.
2) Pilot schemes in operation during 1998-99 only.
3) Data available from two companies only. For reasons of confidentiality these figures are not published.
4) Data do not represent the total number of cards in circulation; rather, each function on a multi-function card is counted separately.

Table 7
Payment instructions handled by selected interbank funds transfer systems:
volume of transactions ¹⁾
(thousands)

	1998	1999	2000	2001	2002
Retail clearings ²⁾	202,413	247,568	210,956	176,056	149,089 ³⁾
<i>Cheques</i>	124,392	157,127	120,893	88,255	74,855
<i>Direct debits</i>	40,717	49,090	50,000	50,222	36,827
<i>Credit transfers - paper</i>	8,471	12,351	10,063	1,940	2,556
<i>Credit transfers - electronic</i>	28,833	29,000	30,000	35,639	34,851
IRIS	376	423	485	543	582
Concentration ratio ⁴⁾					
Retail clearings ²⁾	99.2%	99.3%	99.6%	99.5%	99.5%
<i>Cheques</i>	nav	99.6%	98.3%	98.9%	99.6%
<i>Direct debits</i>	nav	99.8%	100%	100%	99.4%
<i>Credit transfers - paper</i>	nav	99.3%	99.9%	99.6%	99.9%
<i>Credit transfers - electronic</i>	nav	99.1%	100%	100%	99.2%
IRIS	nav	nav	nav	nav	nav

- 1) This table contains both customer and interbank transactions.
2) The retail clearings were carried out by Dublin Bankers' Clearing until December 1998 when it was replaced by three functional clearing companies. These companies provide clearing facilities for paper credits, paper debits and electronic debits and credits. The data from 1999 under the heading "Retail Clearings" represent the total activity of the three clearing companies. In December 2002 the two companies responsible for paper credits and paper debits merged.
3) Source: Irish Payments Services Organisation.
4) Market share of the five largest participants in each payment system, based on the total volume of transactions.

Table 8

Payment instructions handled by selected interbank funds transfer systems:**value of transactions ¹⁾**

(EUR billions)

	1998	1999	2000	2001	2002
Retail clearings ²⁾	342.6	339.1	352.5	310.5	244.8 ³⁾
<i>Cheques</i>	266.8	270.4	259.7	230.8	175.3
<i>Direct debits</i>	10.7	14.2	28.8	34.0	27.9
<i>Credit transfers - paper</i>	58.4	45.5	44.0	5.4	3.9
<i>Credit transfers - electronic</i>	6.7	9.0	20.0	40.3	37.7
IRIS	2,412.5	3,594.7	3,813.2	4,535.0	4,885.8
Concentration ratio ⁴⁾					
Retail clearings ²⁾	98.7%	97.9%	99%	98.8%	97.5%
<i>Cheques</i>	nav	99%	96.1%	96.1%	94.7%
<i>Direct debits</i>	nav	94.6%	100%	100%	99%
<i>Credit transfers - paper</i>	nav	99.9%	99.9%	99.9%	96.8%
<i>Credit transfers - electronic</i>	nav	98.4%	100%	99.3%	99.3%
IRIS	nav	nav	nav	nav	nav

1) This table contains both customer and interbank transactions.

2) The retail clearings were carried out by Dublin Bankers' Clearing until December 1998 when it was replaced by three functional clearing companies. These companies provide clearing facilities for paper credits, paper debits and electronic debits and credits. The data from 1999 under the heading "Retail Clearings" represent the total activity of the three clearing companies. In December 2002 the two companies responsible for paper credits and paper debits merged.

3) Source: Irish Payments Services Organisation.

4) Market share of the five largest participants in each payment system, based on the total value of transactions.

Table 9

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

(millions)

	1998	1999	2000	2001	2002
Instruments					
Cheques	124	157	121	88	75 ²⁾
<i>of which:</i>					
<i>face-to-face</i>	124	157	121	88	75
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Payments by debit card	17	25	34	43	55 ²⁾
<i>of which:</i>					
<i>face-to-face</i>	17	25	34	43	55
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Payments by credit card	nav	47	48	73	80
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Credit transfers ³⁾	37	41	40	38	38 ²⁾
<i>of which:</i>					
<i>face-to-face</i>	8	12	10	2	3
<i>via PC or other terminal</i>	29	29	30	36	35
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav

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Direct debits ⁴⁾	41	49	50	50	37 ²⁾
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Card-based electronic money ⁵⁾	neg	neg	nap	nap	nap
Network-based electronic money ⁵⁾	neg	neg	nap	nap	nap
Total	219	319	293	292	285

1) This table contains both customer and interbank transactions. The number of intrabran­ch transactions may be substantial, but data on these are not available.

2) Source: Irish Payments Services Organisation.

3) Excludes items initiated by banks; these data are not available.

4) Includes items initiated by banks.

5) Pilot schemes in operation during 1998-99 only.

Table 10

Indicators of the use of various cashless payment instruments:

value of transactions ¹⁾

(EUR millions)

	1998	1999	2000	2001	2002
Instruments					
Cheques	266,772	270,425	259,652	230,788	175,258 ²⁾
<i>of which:</i>					
face-to-face	266,772	270,425	259,652	230,788	175,258
via PC or other terminal	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by debit card	862	1,300	1,800	2,500	3,300 ²⁾
<i>of which:</i>					
face-to-face	862	1,300	1,800	2,500	3,300
via PC or other terminal	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by credit card	nav	3,230	3,931	6,096	7,209
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Credit transfers ³⁾	65,138	54,563	64,016	45,700	41,600 ²⁾
<i>of which:</i>					
face-to-face	58,409	45,510	44,016	5,400	3,900
via PC or other terminal	6,730	9,053	20,000	40,300	37,700
televanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Direct debits ⁴⁾	10,666	14,243	28,771	34,000	27,900 ²⁾
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Card-based electronic money ⁵⁾	neg	neg	nap	nap	nap
Network-based electronic money ⁵⁾	neg	neg	nap	nap	nap
Total	343,438	343,761	358,170	319,084	255,267

1) This table contains both customer and interbank transactions. The number of intrabran­ch transactions may be substantial, but data on these are not available.

2) Source: Irish Payments Services Organisation.

3) Excludes items initiated by banks; these data are not available.

4) Includes items initiated by banks.

5) Pilot schemes in operation during 1998-99 only.

Table 11a

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

	1998	1999	2000	2001	2002
Trading platforms					
Irish Stock Exchange	nav	nav	nav	nav	nav
Securities settlement systems					
CBISSO ¹⁾	46,806	31,343	21,301	nap	nap
NTMA settlement system	2,951	2,272	1,841	1,388	1,443

1) With effect from 4 December 2000 the settlement of Irish government bonds has been outsourced to Euroclear. Accordingly, data cover the period up to the close of business on 1 December 2000 only.

Table 11b

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

(EUR millions)

	1998	1999	2000	2001	2002
Trading platforms ¹⁾					
Irish Stock Exchange ²⁾	82,021	102,204	33,183	47,366	81,862
<i>of which:</i>					
Irish Government Bonds	44,878	55,459	22,452	21,845	46,735
Equities	37,143	46,746	10,732	25,521	35,127
Corporate Bonds	nav	nav	nav	nav	nav
Securities settlement systems					
CBISSO ³⁾	604,339	332,042	260,556	nap	nap
NTMA settlement system	186	275	114	794	397

1) Source: Irish Stock Exchange

2) Equity turnover for the years 2000 and 2001 is calculated using a trading-based methodology. Turnover in previous years was calculated on the basis of transaction data provided by the CREST settlement system (settlement-based methodology). Pre-year 2000 turnover includes domestic companies only while 2000 and 2001 turnover includes both domestic and foreign companies.

3) With effect from 4 December 2000 the settlement of Irish government bonds has been outsourced to Euroclear. Accordingly, data cover the period up to the close of business on 1 December 2000 only.

Table 11c

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

	1998	1999	2000	2001	2002
Trading platforms					
Irish Stock Exchange ¹⁾	16	18	21	22	21
<i>domestic</i>	14	14	14	13	12
<i>foreign</i>	2	4	7	9	9
Securities settlement systems					
NTMA settlement system	120	78	60	66	63
<i>domestic</i>	120	78	60	66	63
<i>foreign</i>	0	0	0	0	0
CBISSO ²⁾	39	36	36	nap	nap
Banks	16	15	15	nap	nap
<i>of which:</i>					
<i>domestic</i>	12	11	11	nap	nap
<i>foreign</i>	4	4	4	nap	nap
Brokers/dealers	10	9	9	nap	nap
<i>of which:</i>					
<i>domestic</i>	9	8	8	nap	nap
<i>foreign</i>	1	1	1	nap	nap
Other	13	12	12	nap	nap

1) Source: Irish Stock Exchange.

2) With effect from 4 December 2000 the settlement of Irish government bonds has been outsourced to Euroclear. Accordingly, details of CBISSO participants for 2000 relate to the period up to close of business on 1 December 2000.

Table 11d

Outstanding securities*(end of year)*

	1998	1999	2000	2001	2002
Irish Stock Exchange ¹⁾					
Value of securities issued (EUR millions) ²⁾	145,647	154,694	218,675	209,879	189,358
CBISSO ³⁾					
Value of securities issued (EUR millions)	20,364	23,628	21,784	nap	nap
NTMA settlement system					
Value of securities issued (EUR millions)	186	275	114	794	397

1) Source: Irish Stock Exchange.

2) Figures for 1998 to 2001 include all securities including government bonds listed on ISE.

3) With effect from 4 December 2000 the settlement of Irish government bonds has been outsourced to Euroclear.

Table 11e

Netting ratio in clearing systems

	1998	1999	2000	2001	2002
CBISSO ¹⁾					
Netting ratio for cash over year	nap	nap	nap	nap	nap
Netting ratio for securities over year	nap	nap	nap	nap	nap

1) With effect from 4 December 2000 the settlement of Irish government bonds has been outsourced to Euroclear.

Table 12

Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	13	9	12	11	13
<i>of which live</i>	13	9	12	11	13
Sub-members	27	31	35	42	42
<i>of which live</i>	27	31	35	40	41
Participants	21	31	24	23	24
<i>of which live</i>	20	24	23	22	24
Total users	61	71	71	76	79
<i>Memorandum items:</i>					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>					
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	4,491,367	5,654,511	6,413,740	7,036,332	8,136,771
<i>of which:</i>					
<i>category I</i>	984,080	1,416,966	1,715,473	2,016,344	2,413,567
<i>category II</i>	1,192,949	1,346,389	1,493,813	1,596,419	1,649,746
Total messages received	5,575,441	7,120,387	8,707,271	9,859,083	11,157,316
<i>of which:</i>					
<i>category I</i>	1,222,146	1,655,627	1,936,990	2,243,052	2,613,751
<i>category II</i>	795,169	952,696	1,066,186	1,126,180	1,156,977
Domestic traffic	1,106,840	1,260,904	1,457,488	1,519,416	1,630,990
<i>Memorandum item:</i>					
Global SWIFT traffic ¹⁾	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

	1998	1999	2000	2001	2002
Population (thousands)	57,588	57,646	57,762	57,927	58,028
GDP (ECU/EUR billions) ¹⁾	1,073.0	1,108.5	1,166.5	1,220.1	1,258.3
GDP per capita (ECU/EUR) ¹⁾	18,633	19,229	20,196	21,064	21,685
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
end of year ²⁾	1,936.27	1,936.27	1,936.27	1,936.27	1,936.27
average ²⁾	1,943.65	1,936.27	1,936.27	1,936.27	1,936.27

1) In all tables, the irrevocable conversion rate to the euro has been used for 1998 data.

2) Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999.

Table 2

Settlement media used by non-banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Banknotes and coins	60	66	69	58	nap ¹⁾
Transferable deposits ²⁾	305	390	416	451	493
Others ³⁾	6	nap	nap	nap	nap
Narrow money supply (M1)	370	456	485	508	nap ¹⁾
Memorandum items:					
Broad money supply ⁴⁾	619	651	665	704	692 ⁵⁾
Transferable deposits in foreign currencies	nav	8	8	8	9
Outstanding value on e-money schemes ⁶⁾	0.7	0.5	0.5	0.5	0.5
of which:					
on card-based products	0.7	0.5	0.5	0.5	0.5
on network-based products	nav	nav	nav	nav	nav

1) Due to banknote migration, data are available only at an aggregated euro area level, not for individual euro area countries.

2) Current account deposits held at credit institutions and the Post Office. Transferable deposits held at branches of foreign banks are included.

3) Banker's drafts, cashier's cheques and current accounts held at the Ministry of Treasury. Post-1999 data are not applicable, owing to a change in the methodology used to determine the monetary aggregate M1.

4) Includes the contributions to the euro area M1 (currency in circulation and overnight deposits, excluding banknotes and coins held in the various euro denominations by resident MFIs), deposits with an agreed maturity of up to two years and deposits redeemable at notice of up to three months.

5) Excluding currency in circulation. This value is not comparable with the ones reported the previous years.

6) Excludes multipurpose prepaid instruments other than electronic purses. Data refer to the cards in circulation which have been loaded by users. The figures for 2000 are calculated on the basis of end-March 2001 data.

Table 3

Settlement media used by banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank ¹⁾	10	12	12	13	14
of which:					
required reserves	10	12	12	13	14
free reserves ²⁾	0.2	0.1	0.1	0.1	neg
Transferable balances held at other banks	55	59	95	85	97

1) Average balances for the period 15 December to 31 December for 1998; 24 December to 23 January since 1999.

2) Figures include non-interest-bearing local deposits for 1998, deposit facility balances since 1999.

Table 4

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

	1998		1999		2000		2001		2002
	EUR	ITL	EUR	ITL	EUR	ITL	EUR	ITL	
Total banknotes issued	63.21	122,406	70.66	136,820	75.16	145,531	65.15	126,157	
<i>of which:</i>									
<i>ITL 500,000</i>	5.15	9,972	8.47	16,400	11.31	21,900	10.36	20,055	Following the introduction of the euro banknotes and coins on 1 January 2002, these figures are being provided solely at an aggregated euro-area level
<i>ITL 100,000</i>	42.98	83,227	46.40	89,850	47.69	92,350	40.32	78,071	
<i>ITL 50,000</i>	11.60	22,469	12.15	23,525	12.40	24,010	11.04	21,373	
<i>ITL 10,000</i>	2.29	4,438	2.38	4,607	2.45	4,739	2.23	4,310	
<i>ITL 5,000</i>	0.57	1,096	0.59	1,144	0.61	1,188	0.58	1,122	
<i>ITL 2,000</i>	0.11	231	0.09	182	0.07	145	0.06	114	
<i>ITL 1,000</i>	0.50	973	0.57	1,112	0.62	1,195	0.57	1,113	
Total coins issued	1.29	2,487	1.30	2,525	1.31	2,534	1.18	2,292	
Total banknotes and coins issued	64.50	124,893	71.96	139,345	76.47	148,066	66.34	128,449	
Banknotes and coins held by credit institutions	5.01	9,698	6.15	11,908	7.01	13,579	8.69	16,826	
Banknotes and coins in circulation outside credit institutions	59.50	115,195	65.81	127,437	69.46	134,487	57.65	111,623	

Table 5

Institutional framework*(end of 2002)*

Categories	Number of institutions ¹⁾	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts (thousands) ²⁾	Value of accounts (EUR billions)
Central bank	1	99	nap	nap	nap
Credit institutions and Post Office ²⁾	755	43,622	36,477	3,250	492
<i>of which:</i>					
<i>Post Office</i>	1	13,802	2,786	nav	nav
Total	756	43,721	36,477	3,250	492
<i>of which:</i>					
<i>virtual institutions</i>	4	nap	350	350	nav
Branches of foreign banks	60	106	28	nav	1.9
<i>of which:</i>					
<i>EU-based</i>	47	91	24	nav	1.4

1) Offering cashless payment services

2) Estimate.

Table 6

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

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	17,898	20,802	21,172	24,862	27,654
Number of networks	4	4	4	4	4
Number of ATMs with a cash dispensing function	28,042	30,203	31,720	36,621	39,648
<i>of which:</i>					
<i>open access</i>	25,998	29,566	31,156	33,749	37,067
<i>limited access</i>	731	731	695	2,872	2,581
Volume of transactions (millions)	487	499	527	573	630
<i>of which:</i>					
<i>at ATMs with open access</i>	nav	nav	nav	nav	nav
<i>at ATMs with limited access</i>	nav	nav	nav	nav	nav
Value of transactions (EUR billions)	78	80	86	95	123
<i>of which:</i>					
<i>at ATMs with open access</i>	nav	nav	nav	nav	nav
<i>at ATMs with limited access</i>	nav	nav	nav	nav	nav
Number of ATMs with a giro transfer function	nav	nav	nav	nav	nav
<i>volume of transactions (millions)</i>	nav	nav	nav	nav	nav
<i>value of transactions (EUR billions)</i>	nav	nav	nav	nav	nav
Debit function					
Cards with a debit function (thousands)	17,583	19,776	20,204	23,403	26,613
<i>of which:</i>					
<i>retailer cards (thousands)</i>	nap	nap	nap	nap	nap
Number of networks	3	3	3	3	3
Number of terminals	345,580	435,176	570,577	748,294	818,710
Volume of transactions (millions)	172	248	318	433	553
<i>of which:</i>					
<i>transactions with retailer cards (millions)</i>	nav	nav	nav	nav	nav

ITALY

Value of transactions (EUR billions)	14	19	23	32	49
<i>of which:</i>					
<i>transactions with retailer cards</i>					
<i>(EUR billions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Credit function					
Cards with a credit function (thousands)	10,150	15,420	16,969	19,996	21,757
<i>of which:</i>					
<i>retailer cards (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	3	3	3	5	5
Number of terminals	nav	nav	nav	nav	nav
Volume of transactions (millions)	175	229	272	314	358
<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>
Value of transactions (EUR billions)	16	21	25	30	34
<i>of which:</i>					
<i>transactions with retailer cards</i>					
<i>(EUR billions)</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) ¹⁾	56	32	45 ²⁾	30	310 ³⁾
Number of accepting terminals	3,910	3,605	6,485	6,644	5,481
Number of networks	nav	nav	3	5	5
Number of purchase transactions (millions) ⁴⁾	neg	neg	neg	neg	neg
Value of purchase transactions ⁵⁾					
<i>(EUR billions)</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
Number of loading transactions (millions)	neg	neg	neg	neg	neg
Number of loading terminals ⁶⁾	neg	neg	neg	neg	37,355
Value of money loaded (EUR billions)	neg	neg	neg	neg	neg
Float (EUR billions)	neg	neg	neg	neg	neg
Delayed debit cards (charge cards)					
Cards with a delayed debit function					
<i>(thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of terminals	nap	nap	nap	nap	nap
Volume of transactions (millions)	nap	nap	nap	nap	nap
Value of transactions (EUR billions)	nap	nap	nap	nap	nap
<i>Memorandum item:</i>					
Total number of cards in circulation					
<i>(thousands)</i>	28,048	36,222	38,141	44,858	49,411
<i>of which:</i>					
<i>cards with a combined debit, cash and</i>					
<i>e-money function (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>cards with a cheque guarantee function</i>					
<i>(thousands)</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>

1) Includes electronic purses and multipurpose prepaid instruments.

2) The figure is calculated on the basis of end-March 2001 data.

3) Includes 6,293 electronic purses.

4) Total volume of transactions in 2002: 581,000, of which 66,000 were carried out with instruments that could be used only via the internet.

5) Total value of transactions in 2002: 61,000,000 of which 2,000 were carried out with instruments that could be used via the internet.

6) One scheme's card can be reloaded at all ATMs of the Italian interbank network (Bancomat).

Table 7

Payment instructions handled by selected interbank funds transfer systems:

volume of transactions ¹⁾

(millions)

	1998	1999	2000	2001	2002
BI-COMP					
LOCAL CLEARING	182.7	103.9	109.4	105.4	102.7
Cheques	181.7	103.9	109.3	105.4	102.5
Credit transfers	0.1	nap	nap	nap	nap
Other items ²⁾	0.9	0.1	0.1	neg	0.2
ELECTRONIC MEMORANDA	0.3	nap	nap	nap	nap
Interbank deposits	0.1	nap	nap	nap	nap
Foreign operations	neg	nap	nap	nap	nap
Credit transfers	neg	nap	nap	nap	nap
Other items ³⁾	0.2	nap	nap	nap	nap
INGROSSO (SIPS) ⁴⁾	0.3	nap	nap	nap	nap
RETAIL	825.5	959.8	1,005.4	1,269.8	1,630.5
Cheque truncation	336.5	394.9	372.8	360.9	329.4
Bancomat	118.8	132.4	143.4	155.0	163.0
Collection orders	216.0	255.6	285.2	318.7	400.5
Credit transfers	148.0	169.4	192.2	239.7	266.8
Other items ⁵⁾	6.3	7.5	11.7	195.5	470.8
BI-REL ⁶⁾	10.8	10.2	10.4	10.2	9.6
Customer transactions ⁷⁾	3.8	4.8	5.2	5.4	5.3
Interbank transactions	5.6	3.6	3.5	3.0	2.5
<i>of which:</i>					
<i>GEC</i> ⁸⁾	4.8	3.0	2.9	2.4	1.9
<i>interbank transfers</i> ⁹⁾	0.2	0.2	0.2	0.2	0.3
<i>e-MID</i> ¹⁰⁾	0.6	0.5	0.4	0.3	0.3
Payments between banks and the Banca d'Italia or the Ministry of Treasury	1.4	1.7	1.8	1.8	1.7
Concentration ratio ¹¹⁾					
LOCAL CLEARING	26.9%	27.6%	28.3%	25.4%	36.2%
ELECTRONIC MEMORANDA	19.2%	nap	nap	nap	nap
INGROSSO (SIPS)	55.8%	nap	nap	nap	nap
RETAIL	28.4%	27.1%	26.5%	25.8%	33.8%
BI-REL	43.1%	40.5%	36.4%	35.6%	39.5%
Overall concentration ratio	27.4%	26.8%	26.3%	25.2%	33.6%

1) The table contains both customer and interbank transactions.

2) Payments between the banking system and the Ministry of Treasury, the Banca d'Italia or the Post Office and bills of exchange.

3) In particular, settlement of securities transactions. Since November 1998 the cash balances of securities transactions have been settled in the RTGS system (BI-REL).

4) Includes interbank transfers of external lire and the lira settlement of foreign exchange transactions.

5) Mainly transactions through e-money, interests and dividends on the securities deposited at the Monte Titoli, transactions with debit cards at the Post Office and electronic notification of unpaid cheques.

6) For 1998, debits/credits for the settlement of clearing balances are not included.

7) Large-value and cross-border credit transfers. Since January 1999 it includes outgoing cross-border customer transactions carried out via TARGET.

8) Replaced INGROSSO. Since January 1999 this includes outgoing cross-border interbank transactions carried out via TARGET.

9) Since November 2000 this includes EXPRESS procedure interbank transactions.

10) Screen-based market for interbank deposits. In January 1998 this replaces ELECTRONIC MEMORANDA interbank deposits.

11) Market share of the five largest banks participating in each system, based on the total volume of transactions.

Table 8

Payment instructions handled by selected interbank funds transfer systems:

value of transactions ¹⁾

(EUR billions)

	1998	1999	2000	2001	2002
BI-COMP					
LOCAL CLEARING	987	710	720	716	727
Cheques	827	689	708	713	719
Credit transfers	13	nap	nap	nap	nap
Other items ²⁾	148	21	12	3	8
ELECTRONIC MEMORANDA	4,617	nap	nap	nap	nap
Interbank deposits	587	nap	nap	nap	nap
Foreign operations	9	nap	nap	nap	nap
Credit transfers	45	nap	nap	nap	nap
Other items ³⁾	3,975	nap	nap	nap	nap
INGROSSO (SIPS) ⁴⁾	1,293	nap	nap	nap	nap
RETAIL	1,124	1,364	1,538	1,733	1,871
Cheque truncation	197	278	282	276	256
Bancomat	17	19	21	22	23
Collection orders	349	417	472	523	555
Credit transfers	536	612	708	833	921
Other items ⁵⁾	25	38	56	80	116
BI-REL ⁶⁾	36,630	24,634	27,782	27,145	25,150
Customer transactions ⁷⁾	1,727	1,714	2,212	2,184	2,006
Interbank transactions	31,561	18,591	21,134	21,428	20,040
<i>of which:</i>					
<i>GEC</i> ⁸⁾	22,744	10,247	12,292	12,166	10,357
<i>interbank transfers</i> ⁹⁾	837	1,030	1,349	2,937	2,887
<i>e-MID</i> ¹⁰⁾	7,980	7,314	7,494	6,325	6,796
Payments between banks and the Banca d'Italia or the Ministry of Treasury	3,342	4,329	4,436	3,533	3,104
Concentration ratio ¹¹⁾					
LOCAL CLEARING	24.2%	23.1%	23.2%	26.0%	33.2%
ELECTRONIC MEMORANDA	29.2%	nap	nap	nap	nap
INGROSSO (SIPS)	58.0%	nap	nap	nap	nap
RETAIL	26.7%	26.0%	25.7%	23.8%	33.3%
BI-REL	47.5%	42.2%	39.4%	39.2%	38.3%
Overall concentration ratio	45.2%	40.5%	37.9%	35.3%	34.7%

1) The table contains both customer and interbank transactions.

2) Payments between the banking system and the Ministry of Treasury, the Banca d'Italia or the Post Office and bills of exchange.

3) In particular, settlement of securities transactions. Since November 1998 the cash balances of securities transactions have been settled in the RTGS system (BI-REL).

4) Includes interbank transfers of external lire and the lira settlement of foreign exchange transactions.

5) Mainly transactions through e-money, interests and dividends on the securities deposited at the Monte Titoli, transactions with debit cards at the Post Office and electronic notification of unpaid cheques.

6) For 1998, debits/credits for the settlement of clearing balances are not included.

7) Large-value and cross-border credit transfers. Since January 1999 it includes outgoing cross-border customer transactions carried out via TARGET.

8) Replaced INGROSSO. Since January 1999 this includes outgoing cross-border interbank transactions carried out via TARGET.

9) Since November 2000 this includes EXPRESS procedure interbank transactions.

10) Screen-based market for interbank deposits. In January 1998 this replaces ELECTRONIC MEMORANDA interbank deposits.

11) Market share of the five largest banks participating in each system, based on the total value of transactions.

Table 9

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

	1998	1999	2000	2001	2002
Instruments					
Cheques	648.7	665.2	602.0	584.2	538.1
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nap	nap	nap	nap	nap
teleshopping	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Payments by debit card	171.7	247.5	317.5	433.4	553.4
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nap	nap	nap	nap	nap
teleshopping	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Payments by credit card	175.1	229.2	272.3	314.4	358.3
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
teleshopping	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Credit transfers ¹⁾	971.4	1,003.4	1,018.6	1,053.3	996.6
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
teleshopping	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Direct debits ²⁾	329.8	496.7	569.8	639.4	690.7
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
teleshopping	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Card-based electronic money ³⁾	neg	neg	neg	neg	neg
Network-based electronic money ³⁾	nap	nap	neg	neg	neg
Total	2,296.7	2,642.0	2,780.2	3,024.7	3,137.1

1) Includes items initiated by banks as follows: 1998: 7.5 million, 1999: 6.1 million, 2000: 5.9 million, 2001: 5.5 million and 2002: 6.6 million.

2) Includes collections of electronic bank receipts, executed through the banking system, as follows: 1998: 155.9 million, 1999: 220 million, 2000: 243.4 million, 2001: 248.7 million and 2002: 268.8 million. Bank receipts are used by firms to collect trade and other credits. Bank receipts perform an economic function similar to bills of exchange, but do not have the same legal protection (e.g. they cannot be disputed); nevertheless, owing to a lower stamp duty and the implementation of the electronic bank receipt procedure (RIBA) in the 1980s, bank receipts have gradually replaced bills of exchange.

3) Total volume of transactions in 2002: 581,000 of which 66,000 were carried out with instruments that could be used via the internet.

Table 10

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

	1998	1999	2000	2001	2002
Instruments					
Cheques	1,276.0	1,305.0	1,304.8	1,200.6	1,195.8
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav

ITALY

<i>via PC or other terminal</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>televanking</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>
Payments by debit card	14.0	18.5	23.1	32.4	48.6
<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>via PC or other terminal</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>televanking</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>
Payments by credit card	16.0	21	25.4	29.6	33.8
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
<i>televanking</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>
Credit transfers ¹⁾	43,016.0	33,590.0	39,080.7	39,210.0	36,444.1
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>televanking</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>
Direct debits ²⁾	382.2	575.4	655.2	767.1	802.8
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>televanking</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>
Card-based electronic money ³⁾	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
Network-based electronic money ³⁾	<i>nap</i>	<i>nap</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
Total	44,704.2	35,509.9	41,089.2	41,239.7	38,525.1

1) Includes items initiated by banks as follows: 1998: EUR 38,873 billion, 1999: EUR 29,531 billion, 2000: EUR 34,288 billion, 2001: EUR 34,720 billion and 2002: EUR 31,718 billion.

2) Includes collections of electronic bank receipts, executed through the banking system, as follows: 1998: EUR 238.2 billion, 1999: EUR 400.4 billion, 2000: EUR 466.6 billion, 2001: EUR 495.9 billion and 2002: EUR 525.7 billion. Bank receipts are used by firms to collect trade and other credits. Bank receipts perform an economic function similar to bills of exchange, but do not have the same legal protection (e.g. they cannot be disputed); nevertheless, owing to a lower stamp duty and the implementation of the electronic bank receipt procedure (RIBA) in the 1980s, bank receipts have gradually replaced bills of exchange.

3) Total value of transactions in 2002: 61,000,000 of which 2,000 carried out with instruments that could be used via the internet.

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

	1998	1999	2000	2001	2002
Trading platforms	32.01	37.90	72.56	56.73	51.44
BORSA ITALIANA ¹⁾					
Volume of transactions ²⁾	30.84	36.97	71.89	56.02	50.70
<i>of which:</i>					
<i>government securities</i>	3.83	3.76	3.35	2.82	2.80
<i>bonds</i>	0.89	0.79	0.74	0.71	0.71
<i>shares</i>	23.95	29.08	58.56	44.23	40.36
<i>warrant and covered warrant</i>	1.77	3.00	8.77	7.05	6.32
<i>other items</i>	0.40	0.34	0.47	1.21	0.51
MTS ³⁾					
Volume of transactions ²⁾	1.05	0.70	0.45	0.46	0.44
PCT ⁴⁾					
Volume of transactions ²⁾	0.12	0.22	0.22	0.25	0.30

Clearing house					
CCG ⁵⁾					
Volume of transactions cleared ²⁾	10.28	9.49	13.34	17.08	17.25
Securities settlement systems	21.11	20.51	46.08	44.28	42.79
LDT					
Volume of settlement instructions ⁶⁾	20.05	19.31	44.21	42.35	40.92
CAT					
Volume of settlement instructions ^{7), 8)}	0.49	0.50	0.47	nap	nap
MONTE TITOLI					
Volume of settlement instructions ⁷⁾	0.57	0.70	1.40	1.83	1.77
EXPRESS ⁹⁾					
Volume of settlement instructions	nap	nap	neg	0.10	0.10

1) Italian stock exchange.

2) Number of contracts.

3) Wholesale market for government securities.

4) Electronic market for repurchase agreements. The 1998 figure refers to the period from 10 February to 31 December.

5) Clearing and guarantee house.

6) Bilateral debit balances.

7) Free-of-payment (FOP) transfers not including multilateral net balances from LDT.

8) Since December 2000 the central depository system for government bonds has been managed by Monte Titoli.

9) Real-time gross securities settlement system managed by Monte Titoli S.p.A. since 20 November 2000.

Table 11b

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

(EUR billions)

	1998	1999	2000	2001	2002
Trading platforms	5,858.47	8,900.55	8,714.81	10,244.35	14,026.18
BORSA ITALIANA ¹⁾					
Value of transactions	618.06	692.22	1,058.68	819.71	815.70
<i>of which:</i>					
<i>government securities</i>	<i>160.71</i>	<i>152.05</i>	<i>141.89</i>	<i>126.02</i>	<i>150.88</i>
<i>bonds</i>	<i>17.61</i>	<i>14.90</i>	<i>13.45</i>	<i>12.60</i>	<i>11.78</i>
<i>shares</i>	<i>425.16</i>	<i>507.43</i>	<i>869.13</i>	<i>658.04</i>	<i>633.66</i>
<i>warrant and covered warrant</i>	<i>11.89</i>	<i>17.30</i>	<i>33.81</i>	<i>21.95</i>	<i>19.00</i>
<i>other items</i>	<i>2.69</i>	<i>0.55</i>	<i>0.40</i>	<i>1.09</i>	<i>0.39</i>
MTS ²⁾					
Value of transactions	3,268.19	2,801.23	2,017.00	2,339.03	2,208.51
PCT ³⁾					
Value of transactions	1,972.21	5,407.10	5,639.13	7,085.61	11,001.97
Clearing house					
CCG ⁴⁾					
Value of transactions cleared	1,274.03	1,198.54	1,383.95	1,181.43	944.10
Securities settlement systems	nav	nav	nav	nav	34,190.95
LDT					
Value of settlement instructions ⁵⁾	27,469.00	31,087.00	26,582.00	29,156.00	33,077.00
CAT					
Value of settlement instructions ^{6), 7), 8)}	1,182.00	3,317.00	3,573.00	nap	nap
MONTE TITOLI					
Value of settlement instructions ^{6), 7)}	nav	nav	nav	nav	nav
EXPRESS ⁹⁾					
Value of settlement instructions	nap	nap	55.98	1,127.58	1,113.95
<i>of which:</i>					
<i>government securities</i>	<i>nap</i>	<i>nap</i>	<i>49.68</i>	<i>1,005.50</i>	<i>977.66</i>
<i>bonds</i>	<i>nap</i>	<i>nap</i>	<i>1.26</i>	<i>18.00</i>	<i>34.85</i>
<i>shares</i>	<i>nap</i>	<i>nap</i>	<i>5.05</i>	<i>104.08</i>	<i>101.44</i>

1) Italian stock exchange.

2) Wholesale market for government securities.

- 3) *Electronic market for repurchase agreements. The 1998 figure refers to the period 10 February to 31 December.*
 4) *Clearing and guarantee house.*
 5) *Bilateral debit balances.*
 6) *Nominal value.*
 7) *Free-of-payment (FOP) transfers not including multilateral net balances from LDT.*
 8) *Since December 2000 the central depository system for government bonds has been managed by Monte Titoli.*
 9) *Real-time gross securities settlement system managed by Monte Titoli S.p.A. since 20 November 2000.*

Table 11c

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

	1998	1999	2000	2001	2002
Trading systems					
BORSA ITALIANA ¹⁾	139	142	182	175	140
Banks	45	47	87	88	65
<i>of which:</i>					
<i>domestic</i>	43	44	79	76	51
<i>foreign</i>	2	3	8	12	14
Brokers/dealers	94	95	95	87	75
<i>of which:</i>					
<i>domestic</i>	90	86	86	76	59
<i>foreign</i>	4	9	9	11	16
MTS ²⁾	234	221	211	188	153
Banks	206	190	150	149	138
<i>of which:</i>					
<i>domestic</i>	159	142	132	125	107
<i>foreign</i>	47	48	18	24	31
Brokers/dealers	28	31	61	39	15
<i>of which:</i>					
<i>domestic</i>	9	20	50	30	10
<i>foreign</i>	19	11	11	9	5
PCT ³⁾	234	221	211	188	125
Banks	206	190	150	149	107
<i>of which:</i>					
<i>domestic</i>	159	142	132	125	77
<i>foreign</i>	47	48	18	24	30
Brokers/dealers	28	31	61	39	18
<i>of which:</i>					
<i>domestic</i>	9	20	50	30	10
<i>foreign</i>	19	11	11	9	8
Clearing house					
CCG ⁴⁾	168	141	135	120	120
Banks	99	79	75	66	62
<i>of which:</i>					
<i>domestic</i>	nav	78	73	62	55
<i>foreign</i>	nav	1	2	4	7
Brokers/dealers	69	62	60	54	58
<i>of which:</i>					
<i>domestic</i>	63	53	49	42	41
<i>foreign</i>	6	9	11	12	17
Securities settlement systems					
LDT	280	282	284	281	266
Banks	166	173	193	188	192
<i>of which:</i>					
<i>domestic</i>	nav	149	170	165	165
<i>foreign</i>	nav	24	23	23	27
Brokers/dealers	111	106	88	90	71
<i>of which:</i>					
<i>domestic</i>	nav	101	83	82	62
<i>foreign</i>	nav	5	5	8	9

Others ⁵⁾	3	3	3	3	3
CAT ⁶⁾	464	435	nap	nap	nap
Banks	323	306	nap	nap	nap
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	275	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>foreign</i>	<i>nav</i>	31	<i>nap</i>	<i>nap</i>	<i>nap</i>
Brokers/dealers	128	117	nap	nap	nap
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	112	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>foreign</i>	<i>nav</i>	5	<i>nap</i>	<i>nap</i>	<i>nap</i>
Others ⁷⁾	13	12	nap	nap	nap
MONTE TITOLI	893	1,243	1,582	1,867	1,916
Banks	230	284	344	379	317
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	263	315	349	276
<i>foreign</i>	<i>nav</i>	21	29	30	41
Brokers/dealers	132	128	132	113	77
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	126	119	95	70
<i>foreign</i>	<i>nav</i>	2	13	18	7
Issuers	463	724	952	1,214	1,346
CSDs	4	7	10	10	10
Others	64	100	144	151	166
EXPRESS ⁸⁾	nap	nap	71	107	125
Banks	nap	nap	66	92	105
<i>of which:</i>					
<i>domestic</i>	<i>nap</i>	<i>nap</i>	51	72	86
<i>foreign</i>	<i>nap</i>	<i>nap</i>	15	20	19
Brokers/dealers	nap	nap	5	15	20
<i>of which:</i>					
<i>domestic</i>	<i>nap</i>	<i>nap</i>	5	8	10
<i>foreign</i>	<i>nap</i>	<i>nap</i>	0	7	10

1) Italian stock exchange.

2) Wholesale market for government securities, until 2001 joint operation with PCT.

3) Electronic market for repurchase agreements, until 2001 joint operation with MTS.

4) Clearing and guarantee house.

5) Banca d'Italia, Monte Titoli, CCG.

6) Since December 2000 the central depository system for government bonds has been managed by Monte Titoli.

7) Banca d'Italia, Ministry of Treasury, Monte Titoli, CCG, CSDs, international financial organisations.

8) Real-time gross securities settlement system managed by Monte Titoli S.p.A. since 20 November 2000.

Table 11d
Outstanding securities
(end of year)

	1998	1999	2000	2001	2002
Trading platforms					
BORSA ITALIANA ¹⁾					
Number of listed securities	1,129	2,575	4,116	6,817	4,461
<i>of which:</i>					
<i>shares</i>	325	352	361	351	346
<i>warrant and covered warrant</i>	152	1,591	3,130	5,889	3,594
<i>bonds</i>	498	493	497	460	409
<i>government securities</i>	154	139	128	117	112
Value of securities listed (EUR billions) ²⁾	1,062	1,104	1,146	1,187	1,230
<i>of which:</i>					
<i>shares</i>	58	73	79	80	85
<i>bonds</i>	54	68	91	109	97
<i>government securities</i>	950	962	976	999	1,048

ITALY

MTS ³⁾					
Number of listed securities	180	200	207	206	126
Value of securities listed (EUR billions) ⁴⁾	1,310	1,086	1,044	1,022	1,040
Securities settlement system					
CAT ⁵⁾					
Value of securities issued (EUR billions) ⁶⁾	1,026	1,041	nap	nap	nap
Number of securities issued	176	164	nap	nap	nap
Value of securities registered (EUR billions)	1,025	1,040	nap	nap	nap
Number of securities registered	176	164	nap	nap	nap
MONTE TITOLI					
Value of securities issued (EUR billions)	nav	nav	nav	nav	nav
Volume of securities issued	nav	nav	nav	nav	nav
Value of securities registered (EUR billions) ²⁾	230	335	1,448	1,542	1,575
of which:					
<i>shares</i>	63	83	94	98	100
<i>warrant</i>	2	5	42	56	31
<i>bonds</i>	165	236	264	315	373
<i>government securities</i>	0	11	1,044	1,069	1,071
<i>other items</i>	0	0	4	4	neg
Number of securities registered	6,356	13,398	22,331	34,729	49,643

1) Italian stock exchange.

2) Nominal value.

3) Wholesale market for government securities.

4) Market value for 1998, nominal value since 1999.

5) Since December 2000 the central depository system for government bonds has been managed by Monte Titoli.

6) The figure for 1999 is an estimate.

Table 11e
Netting ratio in clearing systems

	1998	1999	2000	2001	2002
CCG ¹⁾					
Netting ratio for cash over year	nav	nav	nav	nav	nav
Netting ratio for securities over year	nav	nav	nav	nav	nav

1) Clearing and guarantee house.

Table 12
Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	184	148	150	142	134
<i>of which live</i>	182	147	150	141	133
Sub-members	51	54	60	78	87
<i>of which live</i>	50	52	58	73	86
Participants	7	41	42	35	37
<i>of which live</i>	6	41	40	35	34
Total users	242	243	252	255	258
<i>of which live</i>	238	240	248	249	253
Memorandum items:					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>					
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	35,347,305	33,624,951	39,545,548	46,192,087	50,109,289
<i>of which:</i>					
<i>category I</i>	8,556,232	9,734,387	11,318,193	13,418,324	14,439,647
<i>category II</i>	7,369,906	5,344,194	5,556,376	5,895,270	6,051,548
Total messages received	34,939,777	33,866,483	39,863,897	45,241,684	49,661,371
<i>of which:</i>					
<i>category I</i>	10,758,471	12,158,469	13,964,280	16,134,091	17,185,555
<i>category II</i>	6,904,785	4,038,033	3,991,833	4,308,749	4,596,087
Domestic traffic	3,906,821	2,523,560	3,800,121	5,168,788	6,161,229
<i>Memorandum item:</i>					
Global SWIFT traffic ¹⁾	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

	1998	1999	2000	2001	2002
Population (thousands)	429.0	436.0	438.5	441.5	446.2
GDP (ECU/EUR billions) ¹⁾	17.0	18.6	21.3	22.1	22.3
GDP per capita (ECU/EUR) ¹⁾	39,632	42,657	48,604	50,017	50,068
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
end of year ²⁾	40.3399	40.3399	40.3399	40.3399	40.3399
average ²⁾	40.6207	40.3399	40.3399	40.3399	40.3399

1) In all tables, the irrevocable conversion rate to the euro has been used for 1998 data.

2) Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999.

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

	1998	1999	2000	2001	2002
Banknotes and coins	0.6	0.6	0.4	0.4	nap ¹⁾
Transferable deposits	2.6	43.0	50.7	51.1	49.5
Narrow money supply (M1) ²⁾	3.2	43.6	51.1	51.5	nap ¹⁾
Memorandum items:					
Broad money supply	nav	159.6	193.3	204.0	nav
Transferable deposits in foreign currencies	nav	nav	nav	nav	nav
Outstanding value on e-money schemes ³⁾	nap	1.0	1.4	2.1	3.4
of which:					
on card-based products	nap	0.001	0.0014	0.0021	0.0034
on network-based products	nap	nap	nap	nap	nap

1) Due to banknote migration, data are available only at an aggregated euro area level, not for individual euro area countries.

2) Prior to 1999, M1 was calculated for Luxembourg residents only. Since 1999, M1 has been calculated on a euro area-wide basis.

3) Value in EUR millions.

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

	1998	1999	2000	2001	2002
Transferable balances held at central bank	nap	6.22	7.35	7.18	6.97
of which:					
required reserves	nap	6.20	7.33	7.16	6.95
free reserves	nap	0.02	0.02	0.02	0.02
Transferable balances held at other banks	42.0	42.6	50.9	54.0	53.3
Memorandum item:					
Institutions' borrowing from central bank	nap	nap	nap	nap	nap

Table 4

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

	1998		1999		2000		2001		2002	
	EUR	LUF	EUR	LUF	EUR	LUF	EUR	LUF	EUR	LUF
Total banknotes issued	0.11	4.29	0.10	4.05	0.10	3.88	0.07	2.78		
<i>of which:</i>										
LUF 5,000	0.08	3.07	0.08	3.07	0.08	3.05	0.06	2.40		
LUF 1,000	0.03	1.04	0.02	0.82	0.02	0.68	0.01	0.24		
LUF 100	0.00	0.19	0.004	0.16	0.004	0.15	0.00	0.14		
Total coins issued	0.02	0.93	0.02	0.93	0.02	0.93	0.02	0.67		
<i>of which:</i>										
LUF 50	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.01	0.51	0.01	0.32		
LUF 20	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.01	0.24	0.01	0.20		
LUF 5	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.003	0.12	0.00	0.10		
LUF 1	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.001	0.05	0.00	0.04		
LUF 0.25	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.0002	0.01	0.00	0.01		
Total banknotes and coins issued	0.13	5.22	0.12	4.98	0.12	4.81	0.09	3.44		
Banknotes and coins held by credit institutions	0.29	11.70	0.34	13.68	0.33	13.35	<i>nav</i>	<i>nav</i>		
Banknotes and coins in circulation outside credit institutions	0.59	23.80	0.59	23.80	0.40	16.14	0.40	16.14		

Following the introduction of the euro banknotes and coins on 1 January 2002, these figures are being provided solely at an aggregated euro-area level.

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 (EUR billions)
Central bank	1	nap	nav	nap	nav
Credit institutions	177	278	nav	nav	49.5
Postal institution	1	nav	nav	nav	nav
Total	179	nav	nav	nav	nav
<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	54	0	nav	nav	nav
<i>of which:</i>					
<i>EU-based</i>	<i>48</i>	<i>0</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

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

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	498.1	534.4	590.1	673.3	720.6
Number of networks	1	1	1	1	1
Number of ATMs with a cash dispensing function	284	310	325	355	375
<i>of which:</i>					
<i>open access</i>	<i>284</i>	<i>310</i>	<i>325</i>	<i>355</i>	<i>375</i>
<i>limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Volume of transactions (millions)	4.81	5.33	5.58	6.04	5.94
<i>of which:</i>					
<i>at ATMs with open access</i>	<i>4.81</i>	<i>5.33</i>	<i>5.58</i>	<i>6.04</i>	<i>5.94</i>
<i>at ATMs with limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (EUR billions)	0.55	0.61	0.65	0.71	0.77
<i>of which:</i>					
<i>at ATMs with open access</i>	<i>0.55</i>	<i>0.61</i>	<i>0.65</i>	<i>0.71</i>	<i>0.77</i>
<i>at ATMs with limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of ATMs with a giro transfer function	nav	nav	nav	nav	nav
<i>volume of transactions (millions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>value of transactions (EUR billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Debit function					
Cards with a debit function (thousands)	238.6	259.2	303.3	353.3	391.5
<i>of which:</i>					
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	1	1	1	1	1
Number of terminals	5,072	5,534	5,805	6,572	7,197
Volume of transactions (millions)	8.98	10.68	12.58	14.81	18.77
<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>
Value of transactions (EUR billions)	0.59	0.69	0.80	0.93	1.18
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit function					
Cards with a credit function (thousands)	259.5	275.2	286.8	320.0	329.1
<i>of which:</i>					
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

Number of networks	1	1	1	1	1
Number of terminals	5,009	5,423	5,735	6,399	7,197
Volume of transactions (millions)	11.33	12.11	12.95	13.32	13.94
<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>
Value of transactions (EUR billions)	0.84	0.85	1.03	1.09	1.18
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</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)	nap	259.2	303.3	353.3	391.5
Number of accepting terminals	nap	1,223	2,133	4,178	6,402
Number of networks	nap	1	1	1	1
Number of purchase transactions (millions)	nap	0.26	0.95	1.25	2.82
Value of purchase transactions (EUR millions)	nap	1.50	2.33	3.20	8.22
Number of loading transactions (millions)	nap	0.06	0.07	0.11	0.18
Number of loading terminals	nap	nav	nav	nav	276
Value of money loaded (EUR millions)	nap	2.52	2.73	3.90	9.51
Float (EUR millions)	nap	1.02	1.41	2.11	3.40
Delayed debit cards (charge cards)					
Cards with a delayed debit function (thousands)	nap	nap	nap	nap	nap
Number of terminals	nap	nap	nap	nap	nap
Volume of transactions (millions)	nap	nap	nap	nap	nap
Value of transactions (EUR billions)	nap	nap	nap	nap	nap
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	498.1	534.4	590.1	673.3	720.6
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function (thousands)</i>	<i>nap</i>	<i>269.8</i>	<i>313.3</i>	<i>353.3</i>	<i>391.5</i>
<i>cards with a cheque guarantee function (thousands)</i>	<i>249.7</i>	<i>269.8</i>	<i>313.3</i>	<i>353.3</i>	<i>0</i>

Table 7

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

	1998	1999	2000	2001	2002
Multilateral netting system (LIPS-Net)	10.5	11.8	12.4	13.1	13.7
Large-value system (LIPS-Gross)	nap	0.21	0.27	0.29	0.35
Concentration ratio					
LIPS-Net	nav	88.6	88.2	88.1	88.0
LIPS-Gross	nap	70.2	67.6	66.6	63.5

Table 8

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

	1998	1999	2000	2001	2002
Multilateral netting system (LIPS-Net)	24.9	36.4	43.7	47.7	48.1
Large-value system (LIPS-GROSS)	nap	2,962	3,827	4,436	4,428
Concentration ratio					
LIPS-Net	nav	85.1	86.9	86.9	85.3
LIPS-Gross	nap	64.6	64.7	65.6	66.7

Table 9

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

	1998	1999	2000	2001	2002
Instruments					
Cheques	0.88	0.76	0.68	0.54	0.38
<i>of which:</i>					
<i>face-to-face</i>	0.88	0.76	0.68	0.54	0.38
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap
<i>teleshopping</i>	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap
Payments by debit card	8.98	10.68	12.58	14.81	18.77
<i>of which:</i>					
<i>face-to-face</i>	nap	nap	nap	nap	nap
<i>via PC or other terminal</i>	8.98	10.68	12.58	14.81	18.77
<i>teleshopping</i>	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap
Payments by credit card	11.33	12.11	12.95	13.32	13.94
<i>of which:</i>					
<i>face-to-face</i>	0.34	0.29	0.24	0.20	0.12
<i>via PC or other terminal</i>	10.99	11.82	12.71	13.12	13.82
<i>teleshopping</i>	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap
Credit transfers ¹⁾	9.62	11.05	11.69	12.56	13.29
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>teleshopping</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Direct debits	1.62	2.10	2.69	3.74	4.24
<i>of which:</i>					
<i>face-to-face</i>	nap	nap	nap	nap	nap
<i>via PC or other terminal</i>	1.62	2.10	2.69	3.74	4.24
<i>teleshopping</i>	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap
Card-based electronic money	nap	0.26	0.95	1.25	2.82
Network-based electronic money	nap	nap	nap	nap	nap
Total	32.43	36.96	41.54	46.22	53.44

1) Figures include only interbank credit transfers.

Table 10

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

	1998	1999	2000	2001	2002
Instruments					
Cheques	3.40	3.62	3.65	3.64	3.33
<i>of which:</i>					
<i>face-to-face</i>	3.40	3.62	3.65	3.64	3.33
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap
<i>teleshopping</i>	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap
Payments by debit card	0.59	0.69	0.80	0.93	1.18
<i>of which:</i>					
<i>face-to-face</i>	nap	nap	nap	nap	nap
<i>via PC or other terminal</i>	0.59	0.69	0.80	0.93	1.18

telebanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Payments by credit card	0.84	0.85	1.03	1.09	1.18
of which:					
face-to-face	0.05	0.04	0.04	0.03	0.01
via PC or other terminal	0.79	0.81	0.99	1.06	1.17
telebanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Credit transfers	21.50	32.80	39.60	40.15	40.03
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Direct debits	0.17	0.23	0.32	0.57	0.96
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	0.17	0.23	0.32	0.57	0.96
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Card-based electronic money	nap	neg	neg	neg	neg
Network-based electronic money	nap	nap	nap	nap	nap
Total	26.50	38.19	45.40	46.38	46.68

Table 11a

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

	1998	1999	2000	2001	2002
Trading platforms					
Bourse de Luxembourg					
Total volume of trades	0.10	0.09	0.09	0.06	0.04
Securities settlement systems					
Clearstream Banking					
Total volume of trades	10.08	9.64	12.49	11.70	11.62

Table 11b

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

	1998	1999	2000	2001	2002
Trading platforms					
Bourse de Luxembourg					
Total value of trades	2.81	2.50	2.82	2.42	1.75
Securities settlement systems					
Clearstream Banking					
Total value of trades	13,697	21,335	19,737	25,986	21,691

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

	1998	1999	2000	2001	2002
Trading systems					
Bourse de Luxembourg					
Banks	nav	73	66	60	58
<i>of which:</i>					
<i>domestic</i>	nav	57	53	48	45
<i>foreign</i>	nav	16	13	12	13
Brokers/dealers	nav	33	30	22	19
<i>of which:</i>					
<i>domestic</i>	nav	8	7	9	8
<i>foreign</i>	nav	25	23	13	11
Total	nav	106	96	82	77
Securities settlement systems					
Clearstream Banking	nav	nav	nav	1,557	1,484

Table 11d
Outstanding securities
(end of year)

	1998	1999	2000	2001	2002
Bourse de Luxembourg					
Value of stocks registered (EUR billions)	455	554	559	446	305
Number of stocks registered	308	312	297	278	268
Value of other securities registered (EUR billions)	973	1,471	1,843	2,290	1,945
Number of other securities registered	15,078	16,739	19,393	23,160	26,218
Clearstream Banking					
Value of stocks issued as CSD (EUR billions)	nav	nav	nav	38	nav
Number of stocks issued as CSD	nav	nav	nav	5,527	nav
Value of stocks issued as ICSD with EOC (EUR billions)	nav	nav	nav	8	nav
Number of stocks issued as ICSD with EOC	nav	nav	nav	71	nav
Value of stocks issued by others (EUR billions)	nav	nav	nav	54	nav
Number of stocks issued by others	nav	nav	nav	18,915	nav
Value of other securities issued as CSD (EUR billions)	nav	nav	nav	2	nav
Number of other securities issued as CSD	nav	nav	nav	74	nav
Value of other securities issued as ICSD with EOC (EUR billions)	nav	nav	nav	1,517	nav
Number of other securities issued as ICSD with EOC	nav	nav	nav	29,333	nav
Value of other securities issued by others (EUR billions)	nav	nav	nav	984	nav
Number of other securities issued by others	nav	nav	nav	22,637	nav

Table 11e
Netting ratio in clearing systems

	1998	1999	2000	2001	2002
Netting ratio for cash over year					
Clearstream Banking	nav	nav	nav	nav	nav
Netting ratio for securities over year					
Clearstream Banking	nav	nav	nav	nav	nav

Table 12
Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	29	22	21	22	20
<i>of which: live</i>	28	21	21	22	20
Sub-members	130	134	134	129	121
<i>of which: live</i>	130	133	134	129	121
Participants	6	17	17	16	18
<i>of which: live</i>	6	17	17	15	18
Total users	165	173	172	167	159
<i>of which: live</i>	164	170	172	166	159
<i>Memorandum items:</i>					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>					
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13
SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	20,856,244	24,698,190	32,077,338	41,382,385	49,775,233
<i>of which:</i>					
<i>category I</i>	2,914,482	3,456,692	3,855,704	3,962,838	4,199,979
<i>category II</i>	5,043,127	4,526,580	4,893,314	4,812,706	4,716,350
Total messages received	20,743,032	25,881,536	32,737,120	36,371,723	40,956,327
<i>of which:</i>					
<i>category I</i>	1,645,170	2,143,285	2,652,113	2,651,904	2,863,757
<i>category II</i>	1,616,620	1,900,783	2,176,110	2,163,931	2,206,957
Domestic traffic	3,852,394	5,753,545	7,180,233	7,633,559	8,785,249
<i>Memorandum item:</i>					
Global SWIFT traffic	937,039,995	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

	1998	1999	2000	2001	2002
Population (thousands)	15,703	15,809	15,922	16,043	16,148
GDP (ECU/EUR billions) ¹⁾	354.19	374.07	402.60	429.17	444.03
GDP per capita (ECU/EUR) ¹⁾	22,556	23,662	25,286	26,751	27,498
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
end of year ²⁾	2.20371	2.20371	2.20371	2.20371	2.20371
average ²⁾	2.21967	2.20371	2.20371	2.20371	2.20371

1) In all tables the irrevocable conversion rate to the euro has been used for 1998 data.

2) Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999.

Table 2

Settlement media used by non-banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Banknotes and coins	17.12	17.32	16.93	9.14	nap ¹⁾
of which: currency in circulation excl. government's cash	16.87	17.00	16.67	8.57	nap
Transferable deposits	104.54	118.42	131.97	150.98	152.53
Other	nap	nap	nap	nap	nap
Narrow money supply (M1) ²⁾	121.41	135.41	148.64	159.54	nap ¹⁾
Memorandum items:					
Broad money supply ³⁾	299.70	330.01	359.12	403.99	415.88 ⁴⁾
Transferable deposits in foreign currencies	nav	nav	nav	nav	nav
Outstanding value on e-money schemes	0.03	0.03	0.03	0.02	0.06
of which:					
on card-based products	0.03	0.03	0.03	0.02	0.06
on network-based products	nap	nap	nap	nap	nap

1) Due to banknote migration, data are available only at an aggregated euro area level, not for individual euro area countries.

2) M1 includes transferable deposits in foreign currencies.

3) M3: currency in circulation + overnight deposits + deposits with agreed maturity up to 2 years + deposits redeemable at notice up to 3 months + repurchase agreements + money market fund shares/units + debt securities up to 2 years.

4) Excluding currency in circulation. This figure is not comparable with those reported in previous years.

Table 3

Settlement media used by banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank ¹⁾	7.79	7.30	9.33	10.16	8.51
of which:					
required reserves ²⁾	7.78	9.95	11.23	13.30	13.78
free reserves	0.01	-2.64	-1.90	-3.14	-5.28
Transferable balances held at other banks ³⁾	21.41	16.34	53.38	30.52	34.54
Memorandum item:					
Institutions' borrowing from central bank ⁴⁾	8.45	0.001	0.001	0.02	0.16

1) Does not include borrowing by institutions from the central bank.

2) Required reserves over the period from end-December to end-January.

3) Transferable balances of Dutch credit institutions.

4) Until 1998: special loans and advances. From 1999 onwards: marginal lending facility.

Table 4

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

	1998		1999		2000		2001		2002	
	EUR	NLG	EUR	NLG	EUR	NLG	EUR	NLG	EUR	NLG
Total banknotes issued	17.29	38.10	17.72	39.04	17.44	38.42	10.43	22.99		
<i>of which:</i>										
<i>NLG 1,000</i>	6.18	13.61	6.22	13.71	6.03	13.28	2.92	6.44		
<i>NLG 250</i>	2.27	5.00	2.20	4.86	2.06	4.53	1.12	2.47		
<i>NLG 100</i>	6.72	14.80	7.09	15.63	7.11	15.67	4.65	10.25		
<i>NLG 50</i>	0.78	1.73	0.80	1.76	0.82	1.80	0.55	1.21		
<i>NLG 25</i>	0.94	2.07	0.99	2.17	1.01	2.22	0.85	1.87		
<i>NLG 10</i>	0.38	0.84	0.39	0.86	0.40	0.88	0.32	0.71		
<i>NLG 5</i>	0.02	0.05	0.02	0.05	0.02	0.05	0.02	0.05		
Total coins issued	1.27	2.79	1.27	2.79	1.29	2.85	0.96	2.12		
<i>of which:</i>										
<i>NLG 5</i>	0.44	0.98	0.44	0.96	0.44	0.98	0.28	0.62		
<i>NLG 2.50</i>	0.22	0.48	0.22	0.48	0.22	0.48	0.16	0.35		
<i>NLG 1.00</i>	0.32	0.71	0.33	0.72	0.34	0.75	0.28	0.61		
<i>NLG 0.25</i>	0.15	0.33	0.15	0.33	0.16	0.34	0.13	0.29		
<i>NLG 0.10</i>	0.10	0.21	0.10	0.22	0.10	0.23	0.09	0.19		
<i>NLG 0.05</i>	0.04	0.08	0.04	0.08	0.04	0.08	0.03	0.07		
Total banknotes and coins issued	18.55	40.89	18.98	41.83	18.73	41.28	11.39	25.11		
Banknotes and coins held by credit institutions	1.43	3.15	1.67	3.67	1.80	3.97	2.26	4.98		
Banknotes and coins in circulation outside credit institutions	17.12	37.73	17.32	38.16	16.93	37.31	9.14	20.13		

Following the introduction of the euro banknotes and coins on 1 January 2002, these figures are being provided solely at an aggregated euro-area level.

Table 5

Institutional framework*(end of 2002)*

Categories	Number of institutions ¹⁾	Number of branches ¹⁾	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (EUR billions)
Central bank	1	4	nap	nap	nap
Credit institutions ²⁾	102	3,234	20,800	nav	152.5
Postal institution	nap	2,304	nap	nap	nap
Total	103	5,542	20,800	nav	152.5
<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	32	nap	nav	nav	nav
<i>of which:</i>					
<i>EU-based</i>	22	<i>nap</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

1) Offering cashless payment services.

2) The postal institution (Postbank) is now formally considered as a credit institution. It still uses Post Offices as branches. All data on credit institutions include the Postbank.

Table 6

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

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	24,000	24,800	26,000	25,800	26,400
Number of networks	1	1	1	1	1
Number of ATMs with a cash dispensing function	6,568	6,673	6,921	7,142	7,530
<i>of which:</i>					
<i>open access</i>	6,568	6,673	6,921	7,142	7,530
<i>limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Volume of transactions (millions)	425	450	470	490	480
<i>of which:</i>					
<i>at ATMs with open access</i>	425	450	470	490	480
<i>at ATMs with limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (EUR billions)	36.7	39.6	40.7	44.4	53.8
<i>of which:</i>					
<i>at ATMs with open access</i>	36.7	39.6	40.7	44.4	53.8
<i>at ATMs with limited access</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
<i>volume of transactions (millions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>value of transactions (EUR billions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Debit function					
Cards with a debit function (thousands)	19,900	20,300	21,000	21,100	21,600
<i>of which:</i>					
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	1	1	1	1	1
Number of terminals	134,000	145,575	155,620	165,773	177,168
Volume of transactions (millions)	595.0	700.3	801.5	954.4	1,068.6
<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>

Value of transactions (EUR billions)	25.8	32.0	37.3	44.2	50.6
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit function					
Cards with a credit function (thousands) ¹⁾	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	1	1	1	1	1
Number of terminals	nav	nav	nav	nav	nav
Volume of transactions (millions)	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>
Value of transactions (EUR billions)	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</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)	17,900	20,100	20,900	21,000	17,400
Number of accepting terminals	107,589	125,807	133,548	148,207	164,863
Number of networks	2	2	2	2	2
Number of purchase transactions (millions)	17	22	25	31	87
Value of purchase transactions (EUR billions) ²⁾	0.06	0.07	0.07	0.08	0.24
Number of loading transactions (millions)	nav	nav	nav	nav	nav
Number of loading terminals ³⁾	7,009	7,086	7,248	4,258	4,823
Value of money loaded (EUR billions)	nav	nav	nav	nav	nav
Float (EUR billions)	0.03	0.03	0.03	0.02	0.06
Delayed debit cards (charge cards)					
Cards with a delayed debit function (thousands) ⁴⁾	4,100	4,500	5,000	5,000	5,100
Number of terminals	nav	nav	nav	nav	nav
Volume of transactions (millions)	42.1	44.1	46.8	47.5	45.6
Value of transactions (EUR billions)	3.9	4.4	5.2	5.3	5.3
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	24,000	24,800	26,000	25,800	26,400
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function (thousands)</i>	<i>17,900</i>	<i>20,100</i>	<i>20,900</i>	<i>21,000</i>	<i>17,400</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>

1) This information is included under delayed debit function.

2) Estimate.

3) Excludes about 20,000 public telephones, where the electronic money cards provided by the Postbank can also be loaded.

4) Includes cards with a credit function.

Table 7

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

(millions)

	1998	1999	2000	2001	2002
Interpay	2,012.3	2,152.5	2,328.4	2,558.3	2,812.3
<i>of which:</i>					
<i>cheques</i>	<i>29.3</i>	<i>16.7</i>	<i>8.8</i>	<i>3.4</i>	<i>0.1</i>

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<i>other</i>	1,983.0	2,135.8	2,319.6	2,554.9	2,812.3
Top	3.5	3.2	3.7	4.0	4.5
Concentration ratio					
Interpay	96%	96%	93%	93%	94%
Top	72%	62%	73%	67%	56%

Table 8

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

	1998	1999	2000	2001	2002
Interpay	1,237.9	1,344.5	1,457.8	1,574.1	1,673.3
<i>of which:</i>					
<i>cheques</i>	2.2	1.4	0.8	0.3	0.0
<i>other</i>	1,235.7	1,343.1	1,457.1	1,573.8	1,673.3
Top	14,868	14,987	17,974	20,689	20,803
Concentration ratio					
Interpay	92%	92%	92%	92%	93%
Top	68%	72%	74%	72%	78%

Table 9

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

	1998	1999	2000	2001	2002
Instruments ¹⁾					
Cheques	46.6	26.7	14.2	5.3	0.1
<i>of which:</i>					
<i>face-to-face</i>	46.6	26.7	14.2	5.3	0.1
<i>via PC or other terminal</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>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card	595.0	700.3	801.5	954.4	1,069.6
<i>of which:</i>					
<i>face-to-face</i>	595.0	700.3	801.5	954.4	1,069.6
<i>via PC or other terminal</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>via mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by credit card ²⁾	42.1	44.1	46.8	47.5	45.6
<i>of which:</i>					
<i>face-to-face</i>	42.1	44.1	46.8	47.5	45.6
<i>via PC or other terminal</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>via mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers	1,116.8	1,103.9	1,170.4	1,226.9	1,259.0
<i>of which:</i>					
<i>face-to-face</i>	1,116.8	1,103.9	1,170.4	1,226.9	1,259.0
<i>via PC or other terminal</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>via mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits	722.6	785.0	836.2	876.1	939.7
<i>of which:</i>					
<i>face-to-face</i>	722.6	785.0	836.2	876.1	939.7

<i>via PC or other terminal</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>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Card-based electronic money ³⁾	17.0	21.8	25.3	30.9	87.0
Network-based electronic money	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Total	2,540.1	2,681.8	2,894.3	3,141.1	3,400.9

1) Excludes items initiated by banks; these data are not available.

2) Includes cards with a delayed debit function.

3) Estimate.

Table 10

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

(EUR billions)

	1998	1999	2000	2001	2002
Instruments ¹⁾					
Cheques	3.4	2.1	1.8	0.5	neg
<i>of which:</i>					
<i>face-to-face</i>	3.4	2.1	1.8	0.5	neg
<i>via PC or other terminal</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>via mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card	25.8	32.0	37.3	44.2	50.6
<i>of which:</i>					
<i>face-to-face</i>	25.8	32.0	37.3	44.2	50.6
<i>via PC or other terminal</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>via mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by credit card ²⁾	3.9	4.4	5.2	5.3	5.3
<i>of which:</i>					
<i>face-to-face</i>	3.9	4.4	5.2	5.3	5.3
<i>via PC or other terminal</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>nap</i>	<i>nap</i>
<i>via mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers	2,395.8	2,366.9	2,863.6	3,279.9	3,293.4
<i>of which:</i>					
<i>face-to-face</i>	2,395.8	2,366.9	2,863.6	3,279.9	3,293.4
<i>via PC or other terminal</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>via mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits	126.0	141.0	162.0	175.3	187.7
<i>of which:</i>					
<i>face-to-face</i>	126.0	141.0	162.0	175.3	187.7
<i>via PC or other terminal</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>via mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Card-based electronic money ³⁾	0.1	0.1	0.1	0.1	0.2
Network-based electronic money	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Total	2,555.0	2,546.4	3,069.9	3,505.2	3,537.2

1) Excludes items initiated by banks; these data are not available.

2) Includes cards with a delayed debit function.

3) Estimate.

Table 11a

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

	1998	1999	2000	2001	2002
Trading platforms					
Euronext Amsterdam ¹⁾	70,978	57,170	70,524	78,410	93,908
Clearing houses					
Clearnet Amsterdam Stock Clearing	6,044	7,638	12,279	11,986	16,244
Clearnet Amsterdam Derivatives Clearing ²⁾	61,431	46,590	55,540	63,080	73,379
Securities settlement system					
Euroclear Netherlands ³⁾	2,061	2,358	3,168	3,073	2,995
<i>of which:</i>					
<i>clearing</i>	<i>nav</i>	<i>474</i>	<i>590</i>	<i>499</i>	<i>473</i>
<i>deliveries against payment</i>	<i>764</i>	<i>984</i>	<i>1,432</i>	<i>1,532</i>	<i>1,516</i>
<i>free transfers</i>	<i>1,297</i>	<i>900</i>	<i>1,146</i>	<i>1,043</i>	<i>1,006</i>

1) Includes futures.

2) Excludes futures.

3) Renamed from Necigef, following the merger with Euroclear plc, the Dutch CSD.

Table 11b

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

	1998	1999	2000	2001	2002
Trading platforms					
Euronext Amsterdam ¹⁾	369	406	626	576	538
Clearing houses					
Clearnet Amsterdam Stock Clearing ²⁾	295	352	560	521	507
Clearnet Amsterdam Derivatives Clearing ¹⁾	37	27	33	27	31
Securities settlement system					
Euroclear Netherlands ³⁾	417	639	984	959	726
<i>of which</i>					
<i>clearing ²⁾</i>	<i>nav</i>	<i>37</i>	<i>59</i>	<i>50</i>	<i>44</i>
<i>deliveries against payment</i>	<i>417</i>	<i>602</i>	<i>925</i>	<i>909</i>	<i>682</i>
<i>free transfers</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

1) Excluding futures. The two sides of a trade are counted as a single transaction.

2) Value of the cash leg of the clearing.

3) Renamed from Necigef, following the merger with Euroclear plc, the Dutch CSD.

Table 11c

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

	1998	1999	2000	2001	2002
Trading systems					
Euronext Amsterdam Stock Market					
Banks	nav	68	80	45	47
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>36</i>	<i>33</i>	<i>24</i>	<i>24</i>
<i>foreign</i>	<i>nav</i>	<i>32</i>	<i>47</i>	<i>21</i>	<i>23</i>
Brokers/dealers	nav	72	198	92	101
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>42</i>	<i>172</i>	<i>49</i>	<i>49</i>

<i>foreign</i>	<i>nav</i>	30	26	43	52
Others	<i>nav</i>	3	12	0	0
Total	<i>nav</i>	143	290	137	148
Euronext Amsterdam Derivative Markets					
Banks	<i>nav</i>	48	52	35	36
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	37	28	24	25
<i>foreign</i>	<i>nav</i>	11	24	11	11
Brokers/dealers	<i>nav</i>	112	192	190	195
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	109	164	171	171
<i>foreign</i>	<i>nav</i>	3	28	19	24
Others	<i>nav</i>	66	0	0	0
Total	<i>nav</i>	226	244	225	231
Clearing systems					
Euronext Amsterdam Stock Market					
Banks	<i>nav</i>	29	24	18	17
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	27	19	16	15
<i>foreign</i>	<i>nav</i>	2	5	2	2
Brokers/dealers	<i>nav</i>	5	1	4	5
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	4	1	3	3
<i>foreign</i>	<i>nav</i>	1	0	1	2
Others	<i>nav</i>	1	0	0	0
Total	<i>nav</i>	35	25	22	22
Euronext Amsterdam Derivative Markets					
Banks	<i>nav</i>	12	11	9	9
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	9	8	7	7
<i>foreign</i>	<i>nav</i>	3	3	2	2
Brokers/dealers	<i>nav</i>	2	1	5	5
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	1	1	4	3
<i>foreign</i>	<i>nav</i>	1	0	1	2
Others	<i>nav</i>	1	0	0	0
Total	<i>nav</i>	15	12	14	14
Securities settlement system					
Euroclear Netherlands ¹⁾					
Banks	<i>nav</i>	55	44	39	63
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	49	30	23	45
<i>foreign</i>	<i>nav</i>	6	14	16	18
Brokers/dealers	<i>nav</i>	3	1	1	1
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	3	1	1	1
<i>foreign</i>	<i>nav</i>	0	0	0	0
Others	<i>nav</i>	9	16	16	18
Total	<i>nav</i>	67	61	56	82

1) Renamed from Necigef, following the merger with Euroclear plc, the Dutch CSD.

Table 11d

Outstanding securities*(end of year)*

	1998	1999	2000	2001	2002
Euronext Amsterdam Stock Market					
Value of stocks listed (EUR billions)	603	812	782	655	445
Value of bonds listed (EUR billions)	nav	nav	265	nav	nav
Number of stocks listed ¹⁾	800	781	754	766	1,201
Number of bonds listed	nav	nav	1,080	1,125	1,058
Euronext Amsterdam Derivative Markets					
Value of outstanding contracts (EUR billions)	nav	nav	nav	nav	nav
Number of options listed	nav	nav	56	55	56
Euroclear Netherlands²⁾					
Nominal values registered (EUR billions) ³⁾	253	801	932	863	673
Number of securities registered	1,846	2,266	3,498	3,980	2,826

1) As from 2002 including warrants and nexttrack

2) Renamed from Necigef, following the merger with Euroclear plc, the Dutch CSD.

3) As from 1999, securities valued at market prices and bonds at nominal values. Prior to 1999, only bonds.

Table 11e

Netting ratio in clearing systems

	1998	1999	2000	2001	2002
Clearnet Amsterdam Stock Clearing					
Netting ratio for cash over the year ¹⁾	nav	0.10	0.11	0.10	0.9
Netting ratios for securities over the year	nav	nav	nav	nav	nav
Clearnet Amsterdam Derivatives Clearing					
Netting ratio for cash over the year ¹⁾	nav	nav	0.14	0.05	0.05
Netting ratios for securities over the year	nav	nav	nav	nav	nav

1) Net percentage of liquidity needed to settle all gross transactions.

Table 12

Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	28	23	25	25	25
<i>of which live</i>	27	23	25	24	25
Sub-members	37	41	40	47	49
<i>of which live</i>	36	39	39	45	48
Participants	9	19	25	32	33
<i>of which live</i>	9	17	24	26	31
Total users	74	83	90	104	107
<i>of which live</i>	72	79	88	95	104
<i>Memorandum items:</i>					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>					
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	26,868,470	36,397,480	54,030,456	67,955,394	78,289,731
<i>of which:</i>					
<i>category I</i>	8,398,068	9,908,769	11,497,895	14,065,376	16,092,658
<i>category II</i>	4,500,328	4,752,522	5,199,292	9,268,205	11,208,440
Total messages received	23,965,593	32,988,955	44,647,913	60,026,930	72,582,457
<i>of which:</i>					
<i>category I</i>	6,775,293	8,059,671	9,169,236	11,498,474	13,122,455
<i>category II</i>	2,856,930	3,180,250	3,453,876	7,062,645	9,043,707
Domestic traffic	3,051,321	7,061,953	12,773,787	23,006,779	30,314,141
<i>Memorandum item:</i>					
Global SWIFT traffic ¹⁾	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

	1998	1999	2000	2001	2002
Population (thousands)	8,078	8,092	8,110	8,132	8,145
GDP (ECU/EUR billions) ¹⁾	190.6	197.2	207.0	211.9	216.8
GDP per capita (ECU/EUR) ¹⁾	23,597	24,363	25,528	26,052	26,621
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
end of year ²⁾	13.7603	13.7603	13.7603	13.7603	13.7603
average ²⁾	13.8500	13.7603	13.7603	13.7603	13.7603

1) In all tables, the irrevocable conversion rate to the euro has been used for 1998 data.

2) Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999.

Table 2

Settlement media used by non-banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Banknotes and coins ¹⁾	10.5	11.3	12.1	8.2	nap
Transferable deposits ²⁾	40.9	44.6	45.2	51.0	54.1
Narrow money supply (M1) ³⁾	51.4	55.9	57.3	59.2	nap
Outstanding value on e-money schemes	0.0025	0.0031	0.0040	0.0046	0.0153
of which:					
on card-based products	0.0025	0.0031	0.0040	0.0046	0.0142
on network-based products	neg	neg	neg	neg	0.0011

1) Until 2001: Adjusted for the banknotes in circulation data for ATS banknotes held by other Eurosystem NCBs in accordance with the Article 52 of the Statute of the ESCB. Commemorative coins are not included in accordance with ECB Regulation 2001/13.

As of 2002: Due to banknote migration, data are available only at an aggregated euro area level, not for individual euro area countries.

2) Foreign currencies included.

3) Until 2001: National contribution to M1.

Table 3

Settlement media used by banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank	4.37	3.42	3.75	3.89	4.12
of which:					
required reserves	4.37	3.42	3.75	3.89	4.12
free reserves	nav	nav	nav	nav	nav
Transferable balances held at other banks ¹⁾	16.36	14.05	15.01	14.2	13.9
Memorandum item:					
Institutions' borrowing from central bank	0.32	5.34	7.24	2.17	3.5

1) Transferable balances held at other domestic banks.

Table 4

Banknotes and coins

(end of year, total value, EUR millions and ATS millions)

	1998		1999		2000		2001		2002	
	EUR	ATS	EUR	ATS	EUR	ATS	EUR	ATS	EUR	ATS
Total banknotes issued (banknotes in circulation)	12,269	168,823	13,400	184,389	14,033	193,098	10,319	141,992		
<i>of which denomination belongs to the new series:</i>										
5,000/I	4,128	56,805	4,585	63,094	5,075	69,837	3,436	47,280		
1,000/V	5,361	73,775	6,076	83,612	6,278	86,386	4,830	66,461		
500/IV	803	11,048	865	11,903	861	11,843	580	7,979		
100/VI	993	13,667	1,050	14,454	1,070	14,718	870	11,972		
50/IV	169	2,321	174	2,389	177	2,429	140	1,927		
20/V	162	2,234	166	2,283	172	2,361	142	1,949		
<i>old series:</i>										
1,000/IV	431	5,932	298	4,105	234	3,226	177	2,433		
1,000/III	39	543	38	525	nap	511	36	495		
500/III	114	1,565	81	1,113	65	895	46	634		
500/II	16	223	16	215	15	209	15	200		
100/V	24	332	24	324	23	318	22	306		
50/III	11	151	11	147	nap	145	10	140		
20/IV	17	228	16	224	16	221	16	215		
Total coins issued (coins in circulation)	2,626	36,139	2,657	36,561	2,691	37,033	2,487	34,218		
<i>of which denomination:</i>										
<i>Base metal coins</i>	573	7,886	588	8,092	607	8,350	512	7,049		
ATS 50	11	156	13	174	14	192	15	200		
ATS 20	37	506	37	515	39	542	33	448		
ATS 10	221	3,036	226	3,109	232	3,193	192	2,638		
ATS 5	146	2,015	150	2,065	155	2,136	132	1,819		
ATS 1	115	1,584	119	1,634	122	1,683	105	1,440		
ATS 0.50	20	275	20	278	21	283	17	240		
ATS 0.10	22	298	22	301	22	305	18	247		
ATS 0.05	1	13	1	13	1	12	1	12		
ATS 0.02	neg	4	neg	4	neg	4	neg	4		
ATS 0.01	neg	neg	neg	neg	neg	neg	neg	neg		
<i>Gold and silver coins</i>	2,053	28,253	2,069	28,469	2,084	28,683	1,975	27,169		
<i>Gold coins ¹⁾</i>	814	11,206	859	11,823	900	12,390	914	12,578		
<i>Bimetallic coins</i>	4	58	4	57	5	62	5	65		
<i>of which:</i>										
<i>Silver coins with a gold centre ATS 1,000</i>	3	42	3	42	3	41	3	40		
<i>Silver coins with a gold ring ATS 500</i>	1	16	1	16	1	16	1	15		
<i>Silver coins with a titanium centre ATS 100</i>	0	0	0	0	neg	5	1	9		
<i>Silver coins</i>	1,235	16,989	1,206	16,589	1,180	16,231	1,056	14,526		
<i>of which:</i>										
<i>ATS 500</i>	662	9,107	646	8,884	631	8,689	560	7,704		
<i>ATS 200</i>	2	26	2	26	2	26	2	26		
<i>ATS 100</i>	338	4,651	329	4,533	322	4,429	287	3,946		
<i>ATS 50</i>	158	2,180	155	2,134	152	2,089	139	1,906		
<i>ATS 25</i>	75	1,026	74	1,012	73	998	69	944		
Total banknotes and coins issued	14,895	204,962	16,057	220,950	16,724	230,131	12,806	176,210		
Banknotes and coins held by credit institutions	2,265	31,163	2,769	38,104	2,638	36,295	2,703	37,196		
Banknotes and coins in circulation outside credit institutions	12,630	173,799	13,288	182,846	14,087	193,836	10,103	139,013		

1) Bullion coins at values of ATS 2,000, ATS 1,000, ATS 500 and ATS 200 and gold coins at values of ATS 1,000 and ATS 500.

Table 5
Institutional framework
(end of 2002)

Categories	Number of institutions ¹⁾	Number of branches ²⁾	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (EUR billions)
Central bank	1	8	0.4	2	5
Credit institutions	906	4,471	6,583	nav	40.8
Postal institution	1	1,917	nav	nav	nav
Total	908	6,396	nav	nav	nav
<i>of which:</i>					
<i>virtual institutions</i>	nav	nav	nav	nav	nav
Branches of foreign banks	18	6	nav	nav	nav
<i>of which:</i>					
<i>EU-based</i>	17	4	34.4	nav	0.56

1) All institutions regardless of whether they offer cashless payment services.

2) The head office of an institution is not counted as a branch.

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

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	6,189	6,984	7,200	9,109	9,428
Number of networks	nav	nav	nav	nav	nav
Number of ATMs with a cash dispensing function ¹⁾	4,776	5,338	5,913	6,622	7,028
<i>of which:</i>					
<i>open access</i>	nav	nav	nav	nav	nav
<i>limited access</i>	nav	nav	nav	nav	nav
Volume of transactions (millions)	91.5	96.1	101.9	107.0	109.6
<i>of which:</i>					
<i>at ATMs with open access</i>	nav	nav	nav	nav	nav
<i>at ATMs with limited access</i>	nav	nav	nav	nav	nav
Value of transactions (EUR billions)	12.45	13.04	13.50	14.90	14.60
<i>of which:</i>					
<i>at ATMs with open access</i>	nav	nav	nav	nav	nav
<i>at ATMs with limited access</i>	nav	nav	nav	nav	nav
Number of ATMs with a giro transfer function	nav	nav	nav	nav	nav
<i>volume of transactions (millions)</i>	nav	nav	nav	nav	nav
<i>value of transactions (EUR billions)</i>	nav	nav	nav	nav	nav
Debit function					
Cards with a debit function (thousands)	4,583	5,915	6,050	7,798	8,049
<i>of which:</i>					
<i>retailer cards (thousands)</i>	nav	nav	nav	nav	nav
Number of networks	nav	nav	nav	nav	nav
Number of terminals	19,240	28,763	40,170	58,073	68,939
Volume of transactions (millions)	38.8	58.1	80.1	105.6	140.9
<i>of which:</i>					
<i>transactions with retailer cards (thousands)</i>	nav	nav	nav	nav	nav
Value of transactions (EUR billions)	2.00	3.15	4.52	5.86	7.56
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</i>	nav	nav	nav	nav	nav

Credit function ²⁾					
Cards with a credit function (thousands) ²⁾	1,606	1,672	1,822	2,049	2,106
<i>of which:</i>					
<i>retailer cards (thousands)</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>
Number of terminals ¹⁾	15,962	28,763	31,111	46,977	56,070
Volume of transactions (millions)	24.4	26.6	28.2	34.1	37.8
<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>
Value of transactions (EUR billions)	2.60	2.94	3.29	4.05	4.43
<i>of which:</i>					
<i>transactions with retailer cards (EUR billions)</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)	5,100	5,777	6,496	7,192	6,890
Number of accepting terminals	19,118	29,564	41,585	60,848	74,657
Number of networks	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of purchase transactions (thousands)	1,161	2,212	3,072	5,080	17,200
Value of purchase transactions (EUR millions)	9.2	11.7	15.2	28.5	132.5
Number of loading transactions (thousands)	227.6	261.7	321.3	630.0	1470.0
Number of loading terminals	4,954	5,225	5,162	5,419	5,775
Value of money loaded (EUR millions)	11.2	13.6	17.4	34.3	145.3
Float (EUR millions)	2.5	3.1	4.0	7.3	14.2
Delayed debit cards (charge cards) ³⁾					
Cards with a delayed debit function (thousands)	<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>
Volume of transactions (millions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (EUR billions)	<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⁾	6,628	7,635	7,926	9,832	10,583
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function (thousands)</i>	5,257	6,100	6,250	7,777	8,030
<i>cards with a cheque guarantee function (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

1) Estimate, rounded figures.

2) Includes delayed debit cards (charge cards).

3) See above "Credit function".

Table 7

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

	1998	1999	2000	2001	2002
ARTIS ¹⁾	0.11	0.96	1.26	1.87	2.62
Concentration ratio	44%	75%	69%	69%	33%

1) Only electronically submitted payment orders. The figures for 1997 and 1998 include transactions from the five largest participants; from 1999 onwards they include all transactions.

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

	1998	1999	2000	2001	2002
ARTIS ¹⁾	1,332	4,026	5,061	4,981	4,810
Concentration ratio	64%	69%	69%	70%	61%

1) Only electronically submitted payment orders. The figures for 1997 and 1998 include transactions from the five largest participants; from 1999 onwards they include all transactions.

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

	1998	1999	2000	2001	2002
Instruments					
Cheques issued ¹⁾	22.2	16.5	12.0	9.9	6.7
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>televoting</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>
Cash withdrawals	91.5	96.1	101.9	107.0	109.6
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>televoting</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>
Payments by debit card	38.8	58.1	80.1	105.6	140.9
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>televoting</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>
Payments by credit card ²⁾	24.38	26.62	28.18	34.14	37.79
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>televoting</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>
Credit transfers ¹⁾	479.7	465.1	498.8	532.8	480.3
<i>of which:</i>					
<i>face-to-face</i>	270.7	248.8	244.0	238.4	214.3
<i>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>televoting</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>
Direct debits ¹⁾	216.8	235.8	268.5	272.8	347.3
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>televoting</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>
Card-based electronic money	1.161	2.212	3.072	5.080	17.200
Network-based electronic money	neg	neg	neg	neg	nav
Total	874.5	900.4	992.5	1,067.3	1,139.7

1) Excludes items initiated by banks; these data are not available.

2) Includes delayed debit cards (charge cards).

Table 10

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

(EUR billions)

	1998	1999	2000	2001	2002
Instruments					
Cheques issued ¹⁾	35.2	27.5	25.7	22.5	17.4
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Cash withdrawals	12.45	13.04	13.50	14.90	14.60
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by debit card	2.00	3.15	4.52	5.86	7.56
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by credit card ²⁾	2.60	2.94	3.29	4.05	4.43
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Credit transfers ¹⁾	1,014.4	1,081.6	1,258.7	1,235.9	1,105.2
of which:					
face-to-face	495.9	332.1	438.2	449.2	361.8
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Direct debits ¹⁾	134.5	97.8	110.7	101.7	80.2
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Card-based electronic money	0.0092	0.0117	0.0152	0.0285	0.1325
Network-based electronic money	neg	neg	neg	neg	0.0029
Total	1,201.2	1,226.1	1,416.4	1,385.0	1,229.5

1) Excludes items initiated by banks; these data are not available.

2) Includes delayed debit cards (charge cards).

Table 11a

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

	1998	1999	2000	2001	2002
Trading platforms					
Wiener Börse AG – Cash trading					
Volume of trades	889,392	714,728	622,150	456,137	357,573
Wiener Börse AG – Derivatives Trading					
Volume of trades	130,199	71,406	44,895	37,083	25,804
Securities settlement systems					
Direct Settlement (DS) system of OeKB (settlement of transactions outside the Wiener Börse)					
Volume of settlement instructions	154,999	137,506	172,061	177,170	172,029
"Arrangement" system of OeKB (settlement of transactions on the Wiener Börse)					
Volume of settlement instructions	1,569,212	1,429,456	873,224	624,160	504,400
Derivative market of Wiener Börse (clearing and settlement of standardised derivative products)¹⁾					
Volume of settlement instructions	130,199	71,406	44,895	37,083	25,804

1) Database: Wiener Börse, Austrian Futures and Options Exchange (ÖTOB) until 1997.

ÖTOB was merged with the Wiener Börse in December 1997.

Table 11b

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

(EUR millions)

	1998	1999	2000	2001	2002
Trading platforms					
Wiener Börse AG – Cash trading					
Value of trades	35,067	22,638	21,555	17,597	13,592
Wiener Börse AG – Derivatives Trading					
Value of trades	44,188	19,417	14,131	10,301	7,110
Securities settlement systems					
Direct Settlement (DS) system of OeKB (settlement of transactions outside the Wiener Börse)¹⁾					
Value of settlement instructions	179,768	167,583	115,624	92,503	107,787
"Arrangement" system of OeKB (settlement of transactions on the Wiener Börse)					
Value of settlement instructions ²⁾	35,067	22,933	21,555	18,081	13,592
Derivative market of Wiener Börse (clearing and settlement of standardised derivative products)					
Value of settlement instructions	44,188	19,417	14,131	10,301	7,110

1) Database: central securities depository; free-of-payment transactions are not included.

2) Since 1999 including the unregulated market (Sonstiger Handel).

Table 11c

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

	1998	1999	2000	2001	2002
Trading platforms					
Wiener Börse AG - Cash trading	484	437	539	482	457
Banks (members)	78	58	65	59	52
<i>of which:</i>					
<i>domestic</i>	67	48	47	48	45
<i>foreign</i>	11	10	18	11	7
Broker/dealer	406	379	474	423	405
<i>of which:</i>					
<i>domestic</i>	nav	324	396	356	350
<i>foreign</i>	nav	55	78	67	55
Wiener Börse AG - Derivatives Trading	nap	136	207	106	93
Banks (members)	nap	17	13	12	9
<i>of which:</i>					
<i>domestic</i>	nap	7	7	6	5
<i>foreign</i>	nap	10	6	6	4
Broker/dealer	nap	119	194	94	84
<i>of which:</i>					
<i>domestic</i>	nap	95	156	82	75
<i>foreign</i>	nap	24	38	12	9
Securities settlement systems					
Direct Settlement (DS) system of OeKB	117	126	131	132	128
Banks	104	116	119	104	101
<i>of which:</i>					
<i>domestic</i>	96	102	102	88	88
<i>foreign</i>	8	14	17	16	13
Broker/dealer	8	4	4	20	27
<i>of which:</i>					
<i>domestic</i>	0	0	0	15	15
<i>foreign</i>	8	4	4	5	4
Foreign CSDs	5	6	8	8	8
"Arrangement" system of OeKB	71	58	63	63	57
Banks	64	53	58	58	52
<i>of which:</i>					
<i>domestic</i>	63	50	48	48	44
<i>foreign</i>	1	3	10	10	8
Broker/dealer	7	5	5	5	5
<i>of which:</i>					
<i>domestic</i>	7	5	5	5	5
<i>foreign</i>	0	0	0	0	0
Derivative market of Wiener Börse	nap	136	207	106	93
Banks	nap	17	13	12	9
<i>of which:</i>					
<i>domestic</i>	nap	7	7	6	5
<i>foreign</i>	nap	10	6	6	4
Broker/dealer	nap	119	194	94	84
<i>of which:</i>					
<i>domestic</i>	nap	95	156	82	75
<i>foreign</i>	nap	24	38	12	9

Table 11d

Outstanding securities*(end of year)*

	1998	1999	2000	2001	2002
Wiener Börse AG – Cash trading					
Value of stocks listed (EUR billions) ¹⁾	29	32	31	28	32
Value of other securities listed (EUR billions) ²⁾	105	112	122	124	151
Number of stocks listed	112	113	111	114	103
Number of other securities listed	1,450	3,385	3,267	3,599	3,300
Direct Settlement (DS) system of OeKB (settlement of transactions outside the Wiener Börse)					
Value of stocks issued (EUR billions) ³⁾	nav	nav	nav	nav	nav
Value of other securities issued (EUR billions) ⁴⁾	110	127	146	153	159
Number of stocks plus other securities issued	4,965	5,855	8,832	9,355	9,005
"Arrangement" system of OeKB (settlement of transactions on the Wiener Börse)					
Value of stocks listed (EUR billions)	29	32	31	28	30
Value of other securities listed (EUR billions)	105	112	122	124	151
Number of stocks listed	112	113	111	114	103
Number of other securities listed	1,450	3,385	3,267	3,599	3,300

1) Market capitalisation of domestic stocks listed on the official and semi-official market.

2) Market capitalisation of bonds listed on the official and semi-official market.

3) Only units (Stück) available. 1999: 1,977,140,102 units; 2000: 4,771,169,332 units; 2001: 5,574,237,118 units; 2002: 5,828,701,423 units.

4) Bonds: nominal value.

Table 11e

Netting ratio in clearing systems

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

Table 12

Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	62	47	47	48	48
<i>of which live</i>	62	47	47	48	48
Sub-members	17	16	18	23	20
<i>of which live</i>	17	16	18	23	20
Participants	5	22	23	21	22
<i>of which live</i>	4	22	22	21	20
Total users	84	85	88	92	90
<i>of which live</i>	83	85	87	92	88
<i>Memorandum items:</i>					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>					
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	15,888,958	16,123,133	18,239,371	19,150,002	20,157,143
<i>of which:</i>					
<i>category I</i>	5,838,867	7,371,589	7,643,028	7,899,372	8,347,291
<i>category II</i>	3,762,443	2,762,383	2,911,576	2,895,008	2,976,387
Total messages received	13,515,128	14,689,810	17,057,021	17,735,937	18,715,649
<i>of which:</i>					
<i>category I</i>	4,850,305	6,131,220	6,248,076	6,554,289	7,052,235
<i>category II</i>	2,447,766	2,000,524	2,195,954	1,961,646	2,140,393
Domestic traffic	3,826,572	3,925,717	4,342,000	4,146,215	4,028,373
<i>Memorandum item:</i>					
Global SWIFT traffic ¹⁾	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

	1998	1999	2000	2001	2002
Population (thousands)	10,129	10,174	10,231	10,299	10,351
GDP (ECU/EUR billions) ¹⁾	100.9	107.7	115.5	123.1	129.3
GDP per capita (ECU/EUR) ¹⁾	9,964	10,590	11,294	11,948	12,490
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
end of year ²⁾	200.48	200.482	200.482	200.482	200.482
average ²⁾	201.70	200.482	200.482	200.482	200.482

1) In all tables, the irrevocable conversion rate to the euro has been used for 1998 data.

2) Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999.

Table 2

Settlement media used by non-banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Banknotes and coins	4.6	5.6	5.4	4.5	nap ¹⁾
Transferable deposits	32.7	38.3	41.4	46.0	45.4
of which held by:					
households	18.7	22.0	23.1	25.9	25.5
corporate sector	9.8	11.2	12.7	13.7	12.8
other	4.2	5.2	5.6	6.4	7.1
Other	0.6	1.3	0.7	0.6	0
Narrow money supply (M1)	37.9	45.2	47.6	51.0	nap ¹⁾
Transferable deposits in foreign currencies	3.3	4.1	3.3	3.1	2.2
Outstanding value on electronic money schemes	0.002	0.001	0.001	0.003	0.0004
of which:					
on card-based products	0.002	0.001	0.0009	0.0026	0.0004
on network-based products	nap	nap	nap	nap	0

1) Due to banknote migration, data are available only at an aggregated euro area level, not for individual euro area countries.

Table 3

Settlement media used by deposit-taking institutions

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank ¹⁾	2.6	2.7	3.1	3.2	3.3
of which:					
required reserves	2.5	2.7	3.1	3.2	3.3
free reserves held at central bank	0.002	0.011	0.010	0.011	0.007
Transferable balances held at other banks	1.6	2.3	2.6	1.3	1.7
Memorandum item:					
Institutions' borrowing from central bank ²⁾	1.2	2.4	3.3	2.2	1.0

1) Average data for the last maintenance period of the year.

2) Only liquidity providing operations (end-of-year data).

Table 4

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

	1998		1999		2000		2001		2002	
	EUR	PTE	EUR	PTE	EUR	PTE	EUR	PTE	EUR	PTE
Total banknotes issued	5.08	1,018.8	6.93	1,389.9	6.20	1,243.3	5.59	1,120.3		
<i>of which:</i>										
<i>PTE 10,000</i>	1.46	292.7	2.00	401.4	1.84	368.5	1.59	318.4		
<i>PTE 5,000</i>	2.85	571.6	3.94	789.6	3.48	697.0	3.15	631.1		
<i>PTE 2,000</i>	0.40	80.6	0.47	95.2	0.38	77.1	0.38	77.0		
<i>PTE 1,000</i>	0.29	59.1	0.44	87.8	0.42	84.1	0.39	78.6		
<i>PTE 500</i>	0.07	14.8	0.08	15.9	0.08	16.6	0.08	15.2		
Total coins issued	0.31	63.1	0.34	68.3	0.35	71.1	0.34	67.9		
<i>of which:</i>										
<i>PTE 200</i>	0.07	13.4	0.07	14.6	0.08	15.2	0.07	14.5		
<i>PTE 100</i>	0.08	15.9	0.09	17.1	0.09	17.7	0.09	17.5		
<i>PTE 50</i>	0.03	5.6	0.03	6.2	0.03	6.2	0.03	5.9		
<i>PTE 20</i>	0.02	4.3	0.02	4.7	0.02	4.9	0.02	4.8		
<i>PTE 10</i>	0.01	1.7	0.01	2.0	0.01	2.0	0.01	2.0		
<i>PTE 5</i>	0.01	1.8	0.01	2.0	0.01	2.0	0.01	2.0		
<i>PTE 2.5</i>	0.01	1.2	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>		
<i>PTE 1</i>	0.00	0.4	0.00	0.4	0.00	0.5	0.00	0.5		
<i>PTE 0.5</i>	0.00	0.1	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>		
<i>Commemorative</i>	0.09	18.7	0.11	21.3	0.11	22.7	0.10	20.9		
Total banknotes and coins issued	5.40	1,081.9	7.27	1,458.2	6.56	1,314.4	5.93	1,188.2		
Banknotes and coins held by credit institutions	0.83	167.1	1.65	330.4	1.16	231.9	1.49	299.1		
Banknotes and coins in circulation outside credit institutions	4.56	914.8	5.62	1,126.7	5.39	1,081.0	4.45	892.3		

Following the introduction of the euro banknotes and coins on 1 January 2002, these figures are being provided solely at an aggregated euro-area level.

Table 5

Institutional framework

(end of 2002)

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts (thousands) ¹⁾	Value of accounts (EUR billions)
Central bank	1	11	nap	nap	nap
Commercial banks	65	5,083	20,429.8	1,209.8	43.2
Mutual agricultural credit banks and savings banks	137	637	1,680.9	nap	2.2
Post office	1	740	21.0	nap	0.005
Treasury	1	1	nap	nap	nap
Total	205	6,472	22,131.7	1,209.8	45.4
<i>of which virtual institutions</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Branches of foreign banks	20	101	67.0	3.7	0.73
<i>of which EU-based</i>	<i>19</i>	<i>100</i>	<i>61.0</i>	<i>3.7</i>	<i>0.73</i>

1) Number of accounts relating to internet services (credit transfers, payment of bills etc. carried out via the internet).

Table 6

Payment card functions and accepting devices

(end of year)

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	7,911	9,071	9,876	10,075	10,499
Number of ATMs with a cash dispensing function	7,081	8,506	9,701	10,524	11,117
open access	5,869	6,831	7,864	8,482	9,032
limited access	1,212	1,675	1,837	2,042	2,085
Volume of transactions (millions) ¹⁾	260.3	289.0	323.2	363.4	395
at ATMs with open access	193.1	255.5	290.4	328.2	358.8
at ATMs with limited access	31.0	33.5	32.7	35.2	36.5
<i>of which cash withdrawals</i>	<i>223.0</i>	<i>252.0</i>	<i>274.6</i>	<i>300.1</i>	<i>322.8</i>
Value of transactions (EUR billions) ¹⁾	17.4	20.3	22.8	24.9	31.3
at ATMs with open access	12.6	14.1	16.0	17.9	20.1
at ATMs with limited access	4.9	6.2	6.8	7.0	11.2
<i>of which cash withdrawals</i>	<i>12.6</i>	<i>14.6</i>	<i>15.9</i>	<i>17.6</i>	<i>19.6</i>
Number of ATMs with a giro transfer function	nav	nav	nav	nav	nav
Volume of transactions	nav	nav	nav	nav	nav
Value of transactions	nav	nav	nav	nav	nav
Debit function					
Cards with a debit function (thousands)	7,911	9,071	9,876	10,075	10,499
<i>of which:</i>					
<i>retailer cards</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of terminals	70,549	81,017	91,285	103,575	113,654
Volume of transactions (millions) ²⁾	296.9	370.2	452.7	527.5	600
<i>of which:</i>					
<i>transactions with retailer cards</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (EUR billions) ²⁾	8.4	10.3	13.0	14.8	18
<i>of which:</i>					
<i>transactions with retailer cards</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Credit function					
Cards with a credit function (thousands)	2,572	3,018	3,051	3,321	3,844
of which retailer cards	296	364	460	406	450.7
Number of terminals	70,549	81,017	91,285	103,575	113,654

Volume of transactions (millions) ³⁾	118.5	157.7	197.7	250.7	260
<i>of which:</i>					
<i>transactions with retailer cards</i>	12.0	14.6	17.8	36.7	21
Value of transactions (EUR billions) ³⁾	4.7	6.1	7.7	8.8	10
<i>of which:</i>					
<i>transactions with retailer cards</i>	0.3	0.4	0.6	1.3	0.8
Electronic money function					
Cards with an e-money function (thousands) ⁴⁾	411	3,400	3,315	3,563	3,635
Number of terminals accepting the card	72,429	83,098	129,184	129,184	143,834
Number of purchase transactions (thousands)	5,128	4,958	4,791	3,172	884
Value of purchase transactions (EUR millions)	9.5	6.0	4.6	17.0	nav
Number of loading transactions (thousands)	572.0	462.0	378.0	276.0	131.0
Value of money loaded (EUR millions)	9.1	6.1	4.5	3.2	1.7
Float (EUR millions)	1.9	1.2	0.9	0.5	0.4
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	9,725	14,112	15,046	15,586	16,152
<i>of which:</i>					
<i>cards with a credit function</i>	1,107	1,276	1,393	1,537	1,561
<i>cards with a debit function</i>	6,490	7,676	8,648	8,699	8,670
<i>cards with a combined credit and debit function</i>	1,169	1,377	1,197	1,373	1,826
<i>cards with combined debit and e-money function</i>	nav	18	31	3	3
<i>cards with an e-money function ⁴⁾</i>	411	3,400	3,315	3,563	3,635
<i>cards with a credit function for internet payments</i>	nav	nav	1	5	6
<i>cards with a credit function issued by retailers</i>	296	364	460	406	451
<i>cards with a cheque guarantee function</i>	326	411	177	154	182

1) Includes all transactions at ATM terminals, e.g. cash withdrawals, payment of utility bills, giro transfers and deposits.

2) Also including credit transactions.

3) Also including debit transactions.

4) Data before 1999 show number of cards which had been loaded at least once.

Table 7

Payment instructions handled by selected interbank funds transfer systems:

volume of transactions ¹⁾

(millions)

	1998	1999	2000	2001	2002
GROSS SETTLEMENT SYSTEMS					
SPGT ^{2), 3)}	0.5	0.5	0.5	0.5	0.9
SLOD	0.03	0.02	0.02	0.02	0.03
NET SETTLEMENT SYSTEMS					
SICOI	767.6	871.7	971.1	1,100.7	1,188.4
Automated Clearing					
CHEQUES	244.2	247.0	240.4	229.0	210.8
TEI	16.8	19.3	22.4	25.4	30.6
MULTIBANCO	503.5	601.7	702.9	839.9	940.0
EFEITOS (Bills of exchange)	3.1	3.7	5.4	5.9	5.6
SDD - Direct Debits	nav	nav	nav	0.5	1.4
Traditional clearing ⁴⁾					
CHEQUES	2.3	nav	nav	nav	nav
Other ⁵⁾	0.7	nav	nav	nav	nav
Concentration ratio ⁶⁾					
CHEQUES	nav	54.2%	52.5%	61.4%	67.9%
TEI	nav	56.8%	68.5%	64.2%	77.4%
MULTIBANCO	nav	nav	nav	nav	nav

EFEITOS (Bills of exchange)	nav	47.0%	55.3%	62.5%	66.4%
SDD - Direct Debits	nav	nav	nav	75.6%	74.5%

- 1) The table contains both customer and interbank transactions.
- 2) Received TARGET payments are not included, otherwise the figures would be as follows: 1999: 0.6; 2000: 0.7; 2001: 0.7; 2002: 1.1.
- 3) Also includes transactions for SLOD, which are settled via SPGT.
- 4) Closed on 30 June 1998.
- 5) Mainly payment transfers.
- 6) Market share of the five largest payment system service providers; based on the total volume of transactions.

Table 8

Payment instructions handled by selected interbank funds transfer systems:

value of transactions ¹⁾

(EUR billions)

	1998	1999	2000	2001	2002
GROSS SETTLEMENT SYSTEMS					
SPGT ^{2), 3)}	4,539.9	2,324.5	2,285.8	2,208.7	2,325.3
SLOD	41.9	38.3	53.7	56.7	49.1
NET SETTLEMENT SYSTEMS					
SICOI	372.5	323.0	348.8	361.0	308.5
Automated Clearing					
CHEQUES	291.8	250.5	264.6	262.8	215.3
TEI	57.9	45.9	52.7	58.6	48.3
MULTIBANCO	19.0	22.6	27.1	34.8	40.2
EFEITOS (Bills of exchange)	3.8	4.0	4.5	4.6	4.2
SDD - Direct Debits	nap	nap	nap	0.2	0.4
Traditional clearing ⁴⁾					
CHEQUES	2.9	nap	nap	nap	nap
Other ⁵⁾	0.1	nap	nap	nap	nap
Concentration ratio ⁶⁾					
CHEQUES	nav	50.0%	53.1%	57.4%	64.5%
TEI	nav	45.8%	65.6%	63.3%	72.7%
MULTIBANCO	nav	nav	nav	nav	.
EFEITOS (Bills of Exchange)	nav	56.6%	56.2%	63.3%	67.7%
SDD - Direct Debits	nav	nav	nav	78.6%	79.3%

- 1) The table contains both customer and interbank transactions.
- 2) Received TARGET payments are not included, otherwise the figures would be as follows: 1999: 3,096; 2000: 3,120; 2001: 3,127; 2002: 3,326.
- 3) Also includes transactions for SLOD, which are settled via SPGT.
- 4) Closed on 30 June 1998.
- 5) Mainly payment transfers.
- 6) Market share of the five largest payment system service providers; based on the total value of transactions.

Table 9

Indicators of use of various cashless payment instruments:

volume of transactions ¹⁾

(millions)

	1998	1999	2000	2001	2002
Volume of transactions	722.0	835.7	945.4	1,015.6	1,080.3
Cheques	285.9	283.5	272.9	273.6	258.8
of which truncated	229.9	238.0	231.3	222.0	206.5
of which:					
face-to-face	285.9	283.5	272.9	273.6	258.8
via PC or other terminal	nap	nap	nap	nap	nap

telebanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Payments by debit and credit cards ²⁾	315.8	392.0	475.9	569.3	625.6
Payments by debit card ²⁾	296.9	370.2	452.7	527.5	600.5
of which:					
face-to-face	296.9	370.2	452.7	527.5	600.5
via PC or other terminal	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Payments by credit card ²⁾	109.8	136.2	171.8	223.4	247.9
of which:					
face-to-face	109.8	136.2	171.8	223.4	247.9
via PC or other terminal	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Credit transfers ³⁾	45.1	52.0	72.8	44.6	67.4
of which:					
face-to-face	45.1	52.0	71.4	41.4	58.6
via PC or other terminal	nav	nav	1.0	2.8	7.2
telebanking	nav	nav	0.4	0.5	1.5
via mobile phone	nav	nav	neg	neg	0.1
Direct debits	66.1	98.6	113.3	119.1	121.5
of which:					
face-to-face	66.1	98.6	113.3	119.1	121.5
via PC or other terminal	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Bills of exchange	3.9	4.6	5.6	5.9	6.1
of which:					
face-to-face	3.9	4.6	5.6	5.9	6.1
via PC or other terminal	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Card based electronic money	5.1	5.0	4.8	3.2	0.9
Network based electronic money	nap	nap	nap	nap	nap

1) This table contains all customer transactions irrespective of whether they are processed intra- or interbank.

2) Some of the card issuers do not provide data on transactions by type of function.

3) Includes items initiated by banks (million transactions): 1998-1999:- nav; 2000: 0.5; 2001: 0.5; 2002: 0.5.

Table 10

Indicators of use of various cashless payment instruments:

value of transactions¹⁾

(EUR billions)

	1998	1999	2000	2001	2002
Value of transactions	5,210.4	2,905.1	2,832.3	2,736.1	2,825.4
Cheques	351.6	384.8	424.7	427.1	395.2
of which truncated	86.1	174.9	195.3	229.4	238.8
of which:					
face-to-face	351.6	384.8	424.7	427.1	395.2
via PC or other terminal	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Payments by debit and credit cards ²⁾	9.4	11.5	14.2	16.7	18.8
Payments by debit cards ²⁾	8.4	10.3	13.0	14.8	17.5
of which:					
face-to-face	8.4	10.3	13.0	14.8	17.5
via PC or other terminal	nap	nap	nap	nap	nap

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telebanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Payments by credit cards ²⁾	4.7	5.1	6.4	9.2	10.4
of which:					
face-to-face	4.7	5.1	6.4	9.2	10.4
via PC or other terminal	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Credit transfers ³⁾	4,818.1	2,474.9	2,358.5	2,256.6	2,381.8
of which:					
face-to-face	4,818.1	2,474.9	2,358.5	2,256.6	2,381.1
via PC or other terminal	nav	nav	0.2	0.5	0.7
telebanking	nav	nav	neg	nav	nav
via mobile phone	nav	nav	neg	nav	nav
Direct debits	23.6	25.7	29.4	30.5	22.8
of which:					
face-to-face	23.6	25.7	29.4	30.5	22.8
via PC or other terminal	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Bills of exchange	7.7	8.2	5.5	5.1	6.9
of which:					
face-to-face	7.7	8.2	5.5	5.1	6.9
via PC or other terminal	nap	nap	nap	nap	nap
telebanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Card based electronic money	0.010	0.006	0.005	0.003	nav
Network based electronic money	nap	nap	nap	nap	nap

1) This table contains all customer transactions irrespective of whether they are processed intra- or interbank.

2) Some of the card issuers do not provide data on transactions by type of function.

3) Includes items initiated by banks (EUR billion): 1998-1999: nav; 2000: 1,963; 2001: 1,866; 2002: 2,040.

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

	1998	1999	2000	2001	2002
LIST - Lisbon Trading					
Volume of trades	2,407.2	2,518.0	4,099.1	2,848.0	nav
MTS Portugal - Trading for Port.Gov.Sec.					
Volume of trades	nap	nap	nav	18.3	16.9
SEND (Derivatives market)					
Number of contracts traded	3,154.0	1,478.0	4,526.0	4,697.0	nav
INTERBOLSA					
Volume of settlement instructions	4,773.0	5,174.0	8,652.0	6,106.9	2,375.5
SITEME					
Volume of settlement instructions	1.1	0.8	0.7	0.3	0.3
of which central bank refinancing	1.0	0.7	0.4	0.2	0.1

Table 11b

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

(EUR billions)

	1998	1999	2000	2001	2002
LIST - Lisbon Trading					
Value of trades	49.4	42.1	62.6	33.2	nav
MTS Portugal - Trading for Port.Gov.Sec.					
Value of trades	nap	nap	21.7	106.5	111.2
SEND (Derivatives market)					
Value of contracts traded	67.0	21.8	13.0	7.1	nav
INTERBOLSA					
Value of settlement instructions	180.4	227.0	359.5	33.2	37.1
SITEME					
Value of settlement instructions	23.8	13.5	13.7	10.2	5.4
<i>of which central bank refinancing</i>	<i>22.8</i>	<i>12.9</i>	<i>11.5</i>	<i>7.0</i>	<i>1.4</i>

Table 11c

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

	1998	1999	2000	2001	2002
Trading systems					
LIST - Lisbon Trading	26	25	26	25	nav
Banks	nap	nap	nap	2	nav
<i>of which:</i>					
<i>domestic</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>2</i>	<i>nav</i>
<i>foreign</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>0</i>	<i>nav</i>
Brokers/dealers	26	25	26	23	nav
<i>of which:</i>					
<i>domestic</i>	<i>26</i>	<i>25</i>	<i>25</i>	<i>22</i>	<i>nav</i>
<i>foreign</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>nav</i>
Others	nap	nap	nap	nap	nap
MTS Portugal - Trading for Port.Gov.Sec.	nap	nap	16	19	21
Banks	nap	nap	16	19	21
<i>of which:</i>					
<i>domestic</i>	<i>nap</i>	<i>nap</i>	<i>5</i>	<i>5</i>	<i>5</i>
<i>foreign</i>	<i>nap</i>	<i>nap</i>	<i>11</i>	<i>14</i>	<i>16</i>
SEND (Derivatives market)	33	37	36	26	nav
Banks	17	21	19	10	nav
<i>of which:</i>					
<i>domestic</i>	<i>17</i>	<i>21</i>	<i>19</i>	<i>9</i>	<i>nav</i>
<i>foreign</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>nav</i>
Brokers/dealers	16	16	17	9	nav
<i>of which:</i>					
<i>domestic</i>	<i>16</i>	<i>16</i>	<i>16</i>	<i>8</i>	<i>nav</i>
<i>foreign</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>1</i>	<i>nav</i>
Others	nap	nap	nap	nap	nap
Clearing systems					
SEND (Derivatives market)	19	22	20	16	nav
Banks	17	20	19	16	nav
<i>of which:</i>					
<i>domestic</i>	<i>17</i>	<i>20</i>	<i>19</i>	<i>14</i>	<i>nav</i>
<i>foreign</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>2</i>	<i>nav</i>
Brokers/dealers	2	2	1	0	nav
<i>of which:</i>					
<i>domestic</i>	<i>2</i>	<i>2</i>	<i>1</i>	<i>0</i>	<i>nav</i>
<i>foreign</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>nav</i>
Others	nap	nap	nap	nap	nap

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Securities settlement systems

INTERBOLSA	57	64	66	66	55
Banks	35	38	36	36	37
<i>of which:</i>					
<i>domestic</i>	35	37	34	34	35
<i>foreign</i>	0	1	2	2	2
Brokers/dealers	20	24	27	27	15
<i>of which:</i>					
<i>domestic</i>	20	24	27	27	15
<i>foreign</i>	0	0	0	0	0
Others:	2	2	3	3	3
Public Debt Management Office (IGCP)	1	1	1	1	1
Banco de Portugal	1	1	1	1	1
Investor Compensation System	nap	nap	1	1	1
SITEME	79	56	51	49	48
Banks	47	48	42	40	40
<i>of which:</i>					
<i>domestic</i>	38	40	36	34	34
<i>foreign</i>	9	8	6	6	6
Brokers/dealers	5	0	0	0	0
<i>of which:</i>					
<i>domestic</i>	5	nap	nap	nap	nap
<i>foreign</i>	0	nap	nap	nap	nap
Others	27	8	9	9	8
<i>of which:</i>					
<i>Leasing Companies</i>	11	0	0	0	0

Table 11d

Outstanding securities

(end of year)

	1998	1999	2000	2001	2002
LIST - Lisbon Trading					
Value of securities listed (EUR millions)	96,757	116,377	170,815	155,991	nav
Number of securities listed	118	239	193	147	nav
MTS Portugal - Trading for Port.Gov.Sec.					
Value of securities listed (EUR millions)	nap	nap	39.19	44.46	52.93
Number of securities listed	nap	nap	18	16	15
SEND (Derivatives market)					
Number of contracts (futures and options)	9	10	10	14	nav
INTERBOLSA					
Value of securities issued (EUR millions)	nap	nap	nap	nap	nap
Number of securities listed	nap	nap	nap	nap	nap
Value of securities registered (EUR millions)	71,572	83,670	93,617	96,327	106,133
Number of securities registered	1,140	1,264	1,476	1,703	1,629
SITEME					
Value of stocks issued (EUR millions)	nap	nap	nap	nap	nap
Value of other securities issued (EUR millions)	8,599	4,574	3,784	2,939	2,029
Number of stocks issued	nap	nap	nap	nap	nap
Number of other securities issued	69	5	4	3	2

Table 11e

Netting ratio in clearing systems

	1998	1999	2000	2001	2002
INTERBOLSA					
Netting ratio for cash over year	23%	19%	29%	55%	21%
Netting ratio for securities over year	73%	87%	90%	78%	44%

Table 12

Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	28	26	25	22	24
<i>of which live</i>	28	26	24	22	24
Sub-members	16	17	19	22	21
<i>of which live</i>	16	17	18	21	21
Participants	3	8	8	9	8
<i>of which live</i>	3	8	8	9	8
Total users	47	51	52	53	53
<i>of which live</i>	47	51	50	52	53
<i>Memorandum items:</i>					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>					
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	5,658,690	5,511,820	5,717,725	6,163,065	6,622,154
<i>of which:</i>					
<i>category I</i>	1,414,573	1,718,528	1,793,346	1,882,690	1,944,950
<i>category II</i>	1,079,595	739,986	701,773	659,642	624,851
Total messages received	4,962,798	4,622,331	4,757,684	4,937,245	5,195,494
<i>of which:</i>					
<i>category I</i>	1,337,987	1,619,029	1,757,900	1,957,767	2,161,005
<i>category II</i>	824,781	363,905	329,329	308,320	262,932
Domestic traffic	418,400	307,703	300,786	285,276	344,641
<i>Memorandum item:</i>					
Global SWIFT traffic ¹⁾	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

	1998	1999	2000	2001	2002
Population (thousands)	5,153	5,165	5,176	5,188	5,201
GDP (EUR billions) ¹⁾	116.0	120.5	130.1	135.2	139.7
GDP per capita (EUR) ¹⁾	22,505	23,327	25,144	26,066	26,863
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
end of year ²⁾	5.94573	5.94573	5.94573	5.94573	5.94573
average ²⁾	5.98250	5.94573	5.94573	5.94573	5.94573

1) In all tables, the irrevocable conversion rate to the euro has been used for 1998 data.

2) Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999.

Table 2

Settlement media used by non-banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Banknotes and coins	2.5	2.8	2.9	2.5	nap ¹⁾
Transferable deposits	35.6	38.3	37.1	39.0	40.0
Narrow money supply (M1)	38.1	41.1	40.0	41.5	nap ¹⁾
Memorandum items:					
Broad money supply	57.5	61.3	61.2	64.4	71.2 ²⁾
Transferable deposits in foreign currencies	1.8	1.3	1.2	1.8	1.4
Outstanding value on e-money schemes	0.0005	0.0006	0.0008	0.0010	0.0012
of which:					
on card-based products	0.0005	0.0006	0.0008	0.0010	0.0012
on network-based products	nav	nav	nav	nav	nav

1) Due to banknote migration, data are available only at an aggregated euro area level, not for individual euro area countries.

2) Excluding currency in circulation. This figure is not comparable with those reported in previous years.

Table 3

Settlement media used by banks

(end of year, EUR billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank	2.2	4.9	2.5	3.8	3.8
of which:					
required reserves	1.2	1.7	1.7	2.0	2.0
free reserves	1.0	3.2	0.8	1.8	1.8
Transferable balances held at other banks	0.5	0.5	0.6	1.0	0.7
Memorandum item:					
Institutions' borrowing from central bank ¹⁾	3.2	6.5	4.7	3.4	4.9

1) Intraday limits.

Table 4

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

	1998		1999		2000		2001		2002	
	EUR	FIM	EUR	FIM	EUR	FIM	EUR	FIM	EUR	FIM
Total banknotes issued	2.61	15.51	2.97	17.66	2.95	17.51	2.34	13.90		
<i>of which:</i>										
<i>FIM 1,000</i>	0.95	5.64	1.10	6.55	1.07	6.36	0.69	4.09		
<i>FIM 500</i>	0.43	2.54	0.49	2.93	0.46	2.75	0.34	2.02		
<i>FIM 100</i>	1.05	6.26	1.19	7.08	1.22	7.28	1.17	6.83		
<i>FIM 50</i>	0.10	0.61	0.10	0.62	0.10	0.61	0.09	0.50		
<i>FIM 20</i>	0.07	0.43	0.08	0.45	0.08	0.46	0.07	0.41		
<i>FIM 10</i>	0.01	0.04	0.01	0.04	0.01	0.04	0.01	0.04		
Total coins issued	0.23	1.35	0.24	1.43	0.25	1.50	0.21	1.26		
<i>of which:</i>										
<i>FIM 10</i>	0.07	0.44	0.08	0.48	0.09	0.51	0.07	0.44		
<i>FIM 5</i>	0.06	0.37	0.06	0.38	0.06	0.38	0.05	0.33		
<i>FIM 1</i>	0.05	0.32	0.06	0.34	0.06	0.36	0.05	0.29		
<i>50 penniä</i>	0.02	0.10	0.02	0.11	0.02	0.11	0.01	0.09		
<i>10 penniä</i>	0.02	0.12	0.02	0.13	0.02	0.13	0.02	0.11		
Total banknotes and coins issued	2.98	17.69	3.35	19.92	3.34	19.83	2.69	15.98		
Banknotes and coins held by credit institutions	0.49	2.89	0.57	3.39	0.46	2.71	0.15	0.93		
Banknotes and coins in circulation outside credit institutions	2.49	14.80	2.78	16.53	2.88	17.13	2.53	15.0427		
<i>of which cash in ATMs</i>	0.15	0.91	0.17	0.98	0.14	0.84	0.12	0.71		
Memorandum items:										
Commemorative coins ¹⁾	0.03	0.19	0.03	0.19	0.03	0.20	0.04	0.21		
Banknotes and coins which ceased to be legal tender on 1 January 1994 and 1998	0.11	0.64	0.11	0.64	0.10	0.62	0.10	0.61		

Following the introduction of the euro banknotes and coins on 1 January 2002, these figures are being provided solely at an aggregated euro-area level.

1) This item is included in "Banknotes and coins in circulation" in the balance sheet of Suomen Pankki - Finlands Bank.

Table 5
Institutional framework
(end of 2002)

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts (thousands) ¹⁾	Value of accounts (EUR billions)
Central bank ²⁾	1	4	0.018	nap	4
Credit institutions	344	1,571	9,951	2,791	39
Postal institution ³⁾	nap	nap	nap	nap	nap
Total	355	1,575	9,951	2,791	43
<i>of which:</i>					
virtual institutions	nap	nap	nap	nap	nap
Branches of foreign banks	8	35	90	nav	1
<i>of which:</i>					
EU-based	8	35	90	nav	1

1) Number of accounts relating to internet services (credit transfers, payment of bills etc. carried out via the internet) based on the assumption that one internet service agreement is related only to one bank account.

2) Number of accounts: number of settlement accounts.

3) Postal institution ceased to offer payment services at the end of 1999.

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

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	5,405	5,704	6,109	6,151	6,306
Number of networks	1	1	1	1	1
Number of ATMs with a cash dispensing function	2,208	2,181	2,134	2,132	2,110
<i>of which:</i>					
open access	2,208	2,181	2,134	2,132	2,110
limited access	nap	nap	nap	nap	nap
Volume of transactions (millions)	231	238	244	248	241
<i>of which:</i>					
at ATMs with open access	231	238	244	248	241
at ATMs with limited access	nap	nap	nap	nap	nap
Value of transactions (EUR billions)	16	16	17	17	17
<i>of which:</i>					
at ATMs with open access	16	16	17	17	17
at ATMs with limited access	nap	nap	nap	nap	nap
Number of ATMs with a giro transfer function	2,458	2,434	2,418	2,200	2,107
volume of transactions (millions)	81	86	84	76	69
value of transactions (EUR billions)	nav	nav	nav	nav	nav
Debit function					
Cards with a debit function (thousands)	2,228	2,360	2,910	3,384	3,782
<i>of which:</i>					
retailer cards (thousands)	nap	nap	nap	nap	nap
Number of networks	1	1	1	1	1
Number of terminals	57,000	60,000	62,000	67,000	74,000
Volume of transactions (millions)	191	218	255	291	362
<i>of which:</i>					
transactions with retailer cards (millions)	nap	nap	nap	nap	nap

Value of transactions (EUR billions)	8	9	10	12	14
<i>of which:</i>					
<i>transactions with retailer cards</i>					
<i>(EUR billions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Credit function					
Cards with a credit function (thousands)	2,426	2,968	3,057	3,437	3,645
<i>of which:</i>					
<i>retailer cards (thousands)</i>	<i>1,849</i>	<i>2,155</i>	<i>2,184</i>	<i>2,322</i>	<i>2,493</i>
Number of networks	1	1	1	1	1
Number of terminals	57,000	60,000	62,000	67,000	74,000
Volume of transactions (millions)	62	60	66	67	74
<i>of which:</i>					
<i>transactions with retailer cards (millions)</i>	<i>48</i>	<i>49</i>	<i>53</i>	<i>55</i>	<i>59</i>
Value of transactions (EUR billions)	3	3	4	4	4
<i>of which:</i>					
<i>transactions with retailer cards</i>					
<i>(EUR billions)</i>	<i>2</i>	<i>2</i>	<i>3</i>	<i>2</i>	<i>3</i>
Electronic money function					
Cards with an e-money function (thousands)	324	454	623	733	891
Number of accepting terminals	3,627	5,272	6,150	6,714	7,463
Number of networks	1	1	1	1	1
Number of purchase transactions (millions)	0.2	0.5	0.6	0.7	0.8
Value of purchase transactions					
(EUR billions)	0.0003	0.0009	0.0012	0.0015	0.0017
Number of loading transactions (millions)	0.04	0.07	0.11	0.14	0.16
Number of loading terminals	2208	2,181	2,134	2,132	2,110
Value of money loaded (EUR billions)	0.0008	0.0014	0.0022	0.0031	0.0031
Float (EUR billions)	0.0005	0.0006	0.0008	0.0010	0.0012
Delayed debit cards (charge cards)					
Cards with a delayed debit function					
(thousands)	934	987	1006	1020	1068
Number of terminals	57,000	60,000	62,000	67,000	74,000
Volume of transactions (millions)	44	47	49	53	53
Value of transactions (EUR billions)	3	3	3	3	2
<i>Memorandum item:</i>					
Total number of cards in circulation					
(thousands)	7,884	8,555	8,958	9,291	9,578
<i>of which:</i>					
<i>cards with a combined debit, cash and</i>					
<i>e-money function (thousands)</i>	<i>135</i>	<i>143</i>	<i>143</i>	<i>128</i>	<i>124</i>
<i>cards with a cheque guarantee function</i>					
<i>(thousands)</i>	<i>2</i>	<i>1</i>	<i>1</i>	<i>0</i>	<i>0</i>

Table 7

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

	1998	1999	2000	2001	2002
Interbank Payment System (PMJ)	281.5	306.7	345.0	371.2	432.1
Credit transfers	159.6	167.1	178.6	190.0	196.9
Debit card transfers	121.6	139.2	166.4	181.1	235.2
Cheque transfers	0.3	0.3	0.1	neg	neg
POPS system	0.9	0.9	0.9	0.7	0.7
Express transfers	0.1	0.1	0.2	0.1	0.2
Cheque transfers	0.8	0.8	0.7	0.6	0.5

BoF-RTGS	0.1	0.3	0.3	0.3	0.26
Credit transfers between account holders	0.1	0.2	0.2	0.2	0.14
Credit transfers between Suomen					
Pankki - Finlands Bank and account holders ¹⁾	0.04	0.03	0.03	0.02	0.03
Cross-border TARGET payments sent	nap	0.09	0.09	0.1	0.12
Concentration ratio²⁾					
Interbank Payment System	99.80%	99.70%	99.20%	99.20%	99.40%
POPS	97.40%	94.90%	94.70%	95.20%	97.70%
BoF-RTGS	70.50%	85.40%	77.70%	87.20%	81.20%

1) Not included in the total.

2) Market share of the five largest participants in each payment system, based on the total volume of transactions.

Table 8

Payment instructions handled by selected interbank funds transfer systems:

value of transactions

(EUR billions)

	1998	1999	2000	2001	2002
Interbank Payment System (PMJ)	232	117	144	146	168
Credit transfers	211	111	137	138	159
Debit card transfers	5	6	7	8	9
Cheque transfers	17	1	neg	neg	neg
POPS system	247	355	415	415	392
Express transfers	154	250	300	315	317
Cheque transfers	93	105	115	100	75
BoF-RTGS	1,779	2,799	3,093	3,582	3,260
Credit transfers between account holders	1,779	1,309	1,560	2,312	2,003
Credit transfers between Suomen					
Pankki - Finlands Bank and account holders ¹⁾	157	54	70	156	181
Cross-border TARGET payments sent	nap	1,490	1,533	1,270	1,258
Concentration ratio²⁾					
Interbank Payment System	97.40%	97.00%	96.50%	97.40%	99.40%
POPS	91.40%	93.50%	94.20%	95.40%	92.20%
BoF-RTGS	78.30%	80.60%	59.40%	66.70%	81.30%

1) Not included in the total.

2) Market share of the five largest participants in each payment system, based on the total value of transactions.

Table 9

Indicators of the use of various cashless payment instruments:

volume of transactions¹⁾

(millions)

	1998	1999	2000	2001	2002
Instruments					
Cheques	2	1	1	1	1
<i>of which:</i>					
<i>face-to-face</i>	2	1	1	1	1
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap
<i>telebanking</i>	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap
Payments by debit card	191	218	255	291	362
<i>of which:</i>					
<i>face-to-face</i>	191	218	255	291	362
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap
<i>telebanking</i>	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap

Payments by credit card ²⁾	106	107	115	120	127
<i>of which:</i>					
<i>face-to-face</i>	106	107	115	120	127
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Credit transfers	465	480	498	506	530
<i>of which:</i>					
<i>face-to-face</i>	105	96	79	71	69
<i>via PC or other terminal</i> ³⁾	38	57	92	110	145
<i>telebanking</i>	360	384	327	325	316
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Direct debits	31	39	43	48	54
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	31	39	43	48	54
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Card-based electronic money	0.2	0.5	0.6	0.7	0.8
Network-based electronic money	nav	nav	nav	nav	nav
Total	795	846	913	967	1075

1) Excludes data on items initiated by banks; these data are included in the BoF-RTGS data in Table 7.

2) Includes delayed debit cards.

3) Includes payments via mobile phone.

Table 10

Indicators of the use of various cashless payment instruments:

value of transactions¹⁾

(EUR billions)

	1998	1999	2000	2001	2002
Instruments					
Cheques	121	110	126	108	77
<i>of which:</i>					
<i>face-to-face</i>	121	110	126	108	77
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Payments by debit card	8	9	10	12	14
<i>of which:</i>					
<i>face-to-face</i>	8	9	10	12	14
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Payments by credit card ²⁾	5	5	6	6	7
<i>of which:</i>					
<i>face-to-face</i>	5	5	6	6	7
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Credit transfers	1,491	1,476	1,499	1,519	1,832
<i>of which:</i>					
<i>face-to-face</i>	316	273	316	320	335
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i> ³⁾	1,175	1,203	1,183	1,199	1,497
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Direct debits	18	18	21	20	26
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav

via PC or other terminal	nap	nap	nap	nap	nap
telebanking	18	18	21	20	26
via mobile phone	nap	nap	nap	nap	nap
Card-based electronic money	0.0003	0.0009	0.0012	0.0015	0.0017
Network-based electronic money	nap	nap	nap	nap	nap
Total	1,643	1,618	1,663	1,665	1,956

1) Excludes data on items initiated by banks; these data are included in the BoF-RTGS data in Table 8.

2) Includes delayed debit cards.

3) Includes payments via PC or other terminal and via mobile phone.

Table 11a

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

	1998	1999	2000	2001	2002
Trading platforms					
Helsinki Securities and Derivatives					
Exchange, Clearing House Ltd	5.5	5.0	5.3	6.3	5.4
Shares (shares, company warrants)	0.9	1.7	3.2	3.2	3.4
Covered warrants	nav	nav	neg	0.0	0.1
Bonds	neg	neg	neg	neg	0.0
Options (Stock Options & Index Options)	2.7	1.5	0.3	0.2	0.4
Futures (Stock Futures & Index Futures)	1.8	1.8	1.7	3.0	1.6
Clearing houses ¹⁾	nap	nap	nap	nap	nap
Securities settlement systems					
Finnish Central Securities Depository (APK), settlement of money market instruments	0.1	0.064	0.056	0.045	0.035
Bonds	0.046	0.043	0.033	0.026	0.018
CDs	0.022	0.020	0.021	0.017	0.016
TBs	0.003	0.002	0.001	0.001	0.002
Others	neg	neg	neg	0.001	0.001
Finnish Central Securities Depository (APK), settlement of shares	1.21	2.26	4.28	4.24	4.45

1) No independent clearing houses.

Table 11b

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

	1998	1999	2000	2001	2002
Trading platforms					
Helsinki Securities and Derivatives					
Exchange, Clearing House Ltd	54	105	228	203	191
Shares (shares, company warrants)	54	105	227	203	188
Covered warrants	nav	nav	1.1	0.1	0
Bonds	0.1	0.0	0.0	0.0	0
Options (Stock Options & Index Options)	nav	nav	nav	nav	0
Futures (Stock Futures & Index Futures)	nav	nav	nav	nav	2
Clearing houses ¹⁾	nap	nap	nap	nap	nap
Securities settlement systems					
Finnish Central Securities Depository (APK), settlement of money market instruments	805	487	489	397	294
Bonds	641	378	351	297	192
CDs	137	96	117	77	81
TBs	28	12	19	18	19

Others	nav	0	2	4	3
Finnish Central Securities Depository (APK), settlement of shares	53	102	551	465	427

1) No independent clearing houses.

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

	1998	1999	2000	2001	2002
Trading systems					
Helsinki Securities and Derivatives Exchange, Clearing House Ltd	28	26	31	38	43
Banks	8	5	7	6	9
of which:					
<i>domestic</i>	nav	4	4	4	6
<i>foreign</i>	nav	1	3	2	3
Brokers	20	21	24	32	34
of which:					
<i>domestic</i>	nav	15	15	14	11
<i>foreign</i>	nav	6	9	18	23
Clearing systems ¹⁾	nav	nav	nav	nav	
Securities settlement systems					
Finnish Central Securities Depository (APK), settlement of money market instruments	13	15	15	14	14
Banks	8	10	10	10	10
of which:					
<i>domestic</i>	nav	10	10	10	10
<i>foreign</i>	nav	nav	nav	nav	nav
Brokers	5	5	5	5	5
of which:					
<i>domestic</i>	nav	5	5	5	5
<i>foreign</i>	nav	nav	nav	nav	nav
Finnish Central Securities Depository (APK), settlement of shares	21	25	23	21	21
Banks	5	9	8	8	9
of which:					
<i>domestic</i>	nav	6	5	5	5
<i>foreign</i>	nav	3	3	3	4
Brokers	16	16	15	13	12
of which:					
<i>domestic</i>	7	7	11	10	9
<i>foreign</i>	9	9	4	3	3
Others	1	1	1	1	2

1) No independent clearing houses.

Table 11d
Outstanding securities
(end of year)

	1998	1999	2000	2001	2002
Helsinki Securities and Derivatives Exchange, Clearing House Ltd					
Value of securities issued (EUR billions)	19	16	6	2	18
Number of securities issued	18	30	23	10	8
Value of securities registered (EUR billions)	132	349	318	217	151
Number of securities registered	131	150	158	155	149

**Finnish Central Securities Depository (APK),
settlement of money market instruments**

Value of securities issued (EUR billions)	40	103	85	68	76
Value of bonds issued (EUR billions)	2	1	6	7	7
Value of CDs issued (EUR billions)	16	97	69	45	56
Value of TBs issued (EUR billions)	22	5	9	11	9
Value of TBs issued (USD billions)	nav	nav	nav	4	3
Value of other securities issued (EUR billions)	nav	0	1	2	1
Number of bonds issued	13	15	12	10	11
Number of CDs issued	1,381	2,160	2,127	1,682	1,348
Number of TBs issued	44	117	110	118	103
Number of other securities issued	nav	7	71	138	112
Value of securities registered (EUR billions)	nav	nav	nav	nav	nav
Number of securities registered	nav	nav	nav	nav	nav
Finnish Central Securities Depository (APK) settlement of shares					
Value of stocks issued (EUR billions)	130	350	1,284	2,155	16,350
Number of stocks issued	7	10	23	9	38

Table 11e

Netting ratio in clearing systems

	1998	1999	2000	2001	2001
Finnish Central Securities Depository (APK), settlement of shares					
Netting ratio for cash over year	nav	nav	7.90%	5.70%	7.80%
Netting ratio for securities over year	nav	nav	nav	nav	nav

Table 12

Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	9	7	8	8	8
<i>of which live</i>	9	7	8	8	8
Sub-members	6	6	5	6	5
<i>of which live</i>	6	6	5	6	5
Participants	1	4	3	2	2
<i>of which live</i>	1	4	3	1	2
Total users	16	17	16	16	15
<i>of which live</i>	16	17	16	15	15
<i>Memorandum items:</i>					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
<i>of which:</i>					
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	6,723,267	7,616,708	10,063,504	11,549,739	15,087,306
<i>of which:</i>					
<i>category I</i>	2,586,846	2,904,906	3,083,826	3,172,052	3,294,937
<i>category II</i>	1,226,368	1,059,012	1,048,564	946,031	926,434
Total messages received	4,419,950	4,997,583	6,396,200	7,291,870	8,497,346
<i>of which:</i>					
<i>category I</i>	1,447,029	1,728,075	1,854,032	1,953,954	2,094,103
<i>category II</i>	851,434	551,995	550,498	581,151	647,953
Domestic traffic	521,669	619,052	731,391	1,123,121	1,392,330
<i>Memorandum item:</i>					
Global SWIFT traffic ¹⁾	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

	1998	1999	2000	2001	2002
Population (thousands)	8,851	8,858	8,871	8,896	8,919
GDP (SEK billions)	1,905.3	2,004.7	2,196.8	2,266.6	2,339.9
GDP per capita (SEK)	215,269	226,310	247,634	254,791	262,356
Exchange rate (domestic currency vis-à-vis ECU/EUR):					
<i>end of year</i>	9.4880	8.5625	8.8313	9.3012	9.1528
<i>average</i>	8.9159	8.8075	8.4459	9.2557	9.1590

Table 2

Settlement media used by non-banks

(end of year, SEK billions)

	1998	1999	2000	2001	2002
Banknotes and coins	78	87	89	97	96
Transferable deposits	756	806	840	927	966
Other ¹⁾	10	34	17	16	24
Narrow money supply (M1)	nav	nav	nav	nav	nav
<i>Memorandum items:</i>					
Broad money supply (M3) ²⁾	843.4	927.0	946.1	1039.0	1,086
Transferable deposits in foreign currencies	31.4	44.7	54.2	57.0	59
Outstanding value on e-money schemes	neg	neg	neg	neg	neg
<i>of which:</i>					
<i>on card-based products</i>	neg	neg	neg	neg	neg
<i>on network-based products</i>	neg	neg	neg	neg	neg

1) Postal giro accounts and certificates of deposits.

2) The money supply M3 is defined as the non-bank sector's holdings of notes and coin (M0), plus the Swedish non-bank sector's deposits and holding of SEK denominated certificates of deposit. Pension savings in banks, IPS, are not included in the money supply.

Table 3

Settlement media used by deposit-taking institutions

(end of year, SEK billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank	1.7	4.5	0.1	0.05	0.09
<i>of which:</i>					
<i>required reserves</i>	nap	nap	nap	nap	nap
<i>free reserves</i>	1.7	4.5	0.1	0.05	0.1
Transferable balances held at other banks	113.4	94.2	74.7	120.9	88.2
<i>Memorandum item:</i>					
Institutions' borrowing from central bank	29.3	34.4	45.8	60.3	23.4

Table 4

Banknotes and coins

(end of year, total value, SEK billions)

	1998	1999	2000	2001	2002
Total banknotes issued	82.3	94.2	93.2	102.4	102.0
<i>of which:</i>					
<i>SEK 1,000</i>	41.0	46.8	45.9	48.4	46.9
<i>SEK 500</i>	29.2	35.0	35.5	40.7	42.0
<i>SEK 100</i>	9.4	9.7	8.9	10.4	10.0
<i>SEK 50</i>	1.0	1.0	1.0	1.1	1.1
<i>SEK 20</i>	1.4	1.4	1.5	1.5	1.6
<i>SEK 10</i>	0.3	0.2	0.2	0.2	0.2
<i>SEK 5</i>	0.1	0.1	0.1	0.1	0.1
Total coins issued	4.0	4.2	4.4	4.7	5.0
Total banknotes and coins issued	86.3	98.5	97.7	107.1	107.0

Banknotes and coins held by credit institutions	8.4	11.3	8.4	10.4	11.1
Banknotes and coins in circulation outside credit institutions	77.9	87.2	89.3	96.7	95.9

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 (SEK billions)
Central bank	1	1	nav	nav	nav
Commercial banks	49	1,701	nav	nav	1,173
Savings banks	77	251	nav	nav	72
Co-operative and rural banks	nav	nav	nav	nav	nav
Post office	1	1,200	nav	nav	nav
Total	128	3,153	nav	nav	1,245
<i>of which:</i>					
<i>virtual institutions</i>	6	1	nav	nav	53.6
Branches of foreign banks	18	69	nav	nav	55.5
<i>of which EU-based</i>	15	66	nav	nav	55.0

Table 6

Payment card functions and accepting devices

(end of year)

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	4,841	4,610	4,892	4,769	5,734
Number of networks	1	1	1	1	1
Number of ATMs with a cash dispensing function	2,485	2,580	2,617	2,567	2,647
<i>of which:</i>					
<i>open access</i>	2,485	2,580	2,617	2,567	2,647
<i>limited access</i>	nav	nav	nav	nav	nav
Volume of transactions (millions)	333	310	321	335	321
<i>of which:</i>					
<i>at ATMs with open access</i>	333	310	321	335	321
<i>at ATMs with limited access</i>	nav	nav	nav	nav	nav
Value of transactions (SEK billions)	287	257	271	282	269
<i>of which:</i>					
<i>at ATMs with open access</i>	287	257	271	282	269
<i>at ATMs with limited access</i>	nav	nav	nav	nav	nav
Number of ATMs with a giro transfer function	nav	nav	nav	nav	nav
<i>volume of transactions (millions)</i>	nav	nav	nav	nav	nav
<i>value of transactions (SEK billions)</i>	nav	nav	nav	nav	nav
Debit function					
Cards with a debit function (thousands)	3,396	4,179	4,570	4,818	4,894
<i>of which:</i>					
<i>retailer cards (thousands)</i>	nav	nav	nav	nav	nav
Number of networks	1	1	1	1	1
Number of terminals	74,400	81,135	87,133	88,223	102,021
Volume of transactions (millions)	160	198	256	326	509
<i>of which:</i>					
<i>transactions with retailer cards (millions)</i>	nav	nav	nav	nav	nav
Value of transactions (SEK billions)	97	119	143	185	297
<i>of which:</i>					
<i>transactions with retailer cards (SEK billions)</i>	nav	nav	nav	nav	nav

Credit function					
Cards with a credit function (thousands)	2,165	2,258	2,802	2,700	3,440
<i>of which:</i>					
<i>retailer cards (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	1	1	1	1	1
Number of terminals	74,400	81,135	87,133	88,223	102,021
Volume of transactions (millions)	16	17	20	24	19
<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>
Value of transactions (SEK billions)	11	13	17	19	18
<i>of which:</i>					
<i>transactions with retailer cards (SEK billions)</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)	205	540	593	557	490
Number of accepting terminals	33,938	43,921	43,000	47,000	37,909
Number of networks	1	1	1	1	1
Number of purchase transactions (millions)	2.0	4.2	2.9	1.5	0.7
Value of purchase transactions (SEK billions)	0.1	0.2	0.2	0.07	0.04
Number of loading transactions (millions)	0.5	1.0	0.6	0.3	0.1
Number of loading terminals	5,680	6,376	6,918	7,001	6,564
Value of money loaded (SEK billions)	0.2	0.3	0.2	0.1	<i>nav</i>
Float (SEK billions)	0.02	0.06	0.05	0.04	<i>nav</i>
Delayed debit cards (charge cards)					
Cards with a delayed debit function (thousands)	787	787	1,009	1,025	772
Number of terminals	74,400	81,135	87,133	88,223	102,021
Volume of transactions (millions)	36	40	47	50	51
Value of transactions (SEK billions)	40	42	51	52	49
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	11,394	12,374	13,866	13,869	15,330
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function (thousands)</i>	3,396	4,179	4,570	4,818	4,894
<i>cards with a cheque guarantee function (thousands)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

Table 7

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

	1998	1999	2000	2001	2002
K-RIX	0.3	0.3	0.5	0.7	1.1
E-RIX ¹⁾	<i>nav</i>	0.05	0.06	0.07	0.10
Bankgirot, BGC	315	338	351	345	363
Dataclearing	91	85	78	67	73
Postgirot ²⁾	472	458	454	450	127
Concentration ratio	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

1) Total volume of domestic and cross-border payments sent via TARGET.

2) As from 2002 the reported volumes and value of credit transfers are reduced. This is because the Postgirot system has been bought by one of the Swedish banks and has thus become an in-house system. The only credit transfers now reported by Postgirot are the ones sent to other banks.

Table 8

Payment instructions handled by selected interbank funds transfer systems:

value of transactions

(SEK billions)

	1998	1999	2000	2001	2002
K-RIX	91,701	100,924	107,210	113,381	114,017
E-RIX ¹⁾	nav	12,735	14,509	13,083	12,686
Bankgirot, BGC	2,912	3,269	3,733	3,885	4,043
Dataclearing	2,191	1,511	1,348	1,108	1,208
Postgirot ²⁾	4,796	4,064	4,086	3,799	1,200
Concentration ratio	nav	nav	nav	nav	nav

1) Total volume of domestic and cross-border payments sent via TARGET.

2) As from 2002 the reported volumes and value of credit transfers are reduced. This is because the Postgirot system has been bought by one of the Swedish banks and has thus become an in-house system. The only credit transfers now reported by Postgirot are the ones sent to other banks.

Table 9

Indicators of the use of various cashless payment instruments:

volume of transactions ¹⁾

(millions)

	1998	1999	2000	2001	2002
Instruments					
Cheques	4	4	2	2	1
of which:					
face-to-face	4	4	2	2	1
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by debit card	160	198	256	326	509
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by credit card ²⁾	53	57	67	74	70
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Credit transfers	724	797	793	764	444
of which:					
face-to-face	175	171	154	128	132
via PC or other terminal	549	626	639	636	312
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Direct debits	74	85	91	98	119
of which:					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	74	85	91	98	119
telebanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Card-based electronic money	2.0	4.2	2.9	1.5	0.9
Network-based electronic money	nav	nav	nav	nav	nav
Total	1,017	1,145	1,212	1,265	1,145

1) Excludes items initiated by banks; these data are not available.

2) Includes delayed debit card.

Table 10

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

	1998	1999	2000	2001	2002
Instruments					
Cheques	43	30	22	16	14
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>teleshopping</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>
Payments by debit card	97	119	143	185	297
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>teleshopping</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>
Payments by credit card ²⁾	52	55	68	71	67
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>teleshopping</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>
Credit transfers	9,689	8,619	8,910	8,531	6,201
<i>of which:</i>					
<i>face-to-face</i>	<i>1,407</i>	<i>1,388</i>	<i>1,330</i>	<i>1,190</i>	<i>854</i>
<i>via PC or other terminal</i>	<i>8,282</i>	<i>7,231</i>	<i>7,580</i>	<i>7,341</i>	<i>5,348</i>
<i>teleshopping</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>
Direct debits	210	227	257	261	250
<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>via PC or other terminal</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>teleshopping</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>
Card-based electronic money	0.2	0.3	0.2	0.1	0.1
Network-based electronic money	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Total	10,091	9,050	9,400	9,064	6,829

1) Excludes items initiated by banks; these data are not available.

2) Includes delayed debit card.

Table 11a

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

	1998	1999	2000	2001	2002
CLICK and SAXESS					
Volume of trades - Derivatives	47.9	58.0	57.9	66.6	64.1
Volume of trades - Equities	6.4	8.4	13.8	10.6	9.9
Stockholmsbörsen Clearing					
Volume of trades cleared	47.9	58.0	57.9	66.6	64.1
VPC AB					
Volume of settlement instructions	5.8	8.9	7.7	6.1	10.9
Government securities	0.5	0.4	0.4	0.4	0.4
Equities	5.3	8.5	7.3	5.6	10.5

Table 11b

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

market value of transactions

(SEK billions)

	1998	1999	2000	2001	2002
CLICK and SAXESS					
Value of trades	1,830	2,609	4,456	3,994	2,702
Stockholmsbörsen Clearing					
Value of trades cleared	nav	nav	nav	nav	nav
VPC AB					
Value of settlement instructions	97,914	88,376	75,783	87,833	88,732
Government securities	94,782	84,227	68,743	81,826	84,366
Equities	3,132	4,149	7,040	6,007	4,366

Table 11c

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

	1998	1999	2000	2001	2002
CLICK and SAXESS	53	57	63	84	83
Banks	8	8	8	8	8
of which:					
domestic	8	8	8	8	8
foreign	nav	nav	nav	nav	nav
Broker/dealer	13	12	16	26	26
of which:					
domestic	13	12	16	26	26
foreign	nav	nav	nav	nav	nav
Members, banks and brokers, foreign owned	12	12	9	9	5
Members, banks and brokers, remote	20	25	30	41	43
Members, derivatives	40	44	45	43	41
OM Stockholm Exchange Clearing					
Banks					
of which:					
domestic	nav	nav	nav	nav	nav
foreign	nav	nav	nav	nav	nav
Broker/dealer					
of which:					
domestic	nav	nav	nav	nav	nav
foreign	nav	nav	nav	nav	nav
VPC AB	57	51	55	47	45
Banks	19	18	21	18	16
of which:					
domestic	11	11	11	13	10
foreign	8	7	10	5	6
Broker/dealer	22	22	25	19	16
of which:					
domestic	19	19	23	18	15
foreign	3	3	2	1	1
Others	16	11	9	10	13

Table 11d

Outstanding securities

(end of year)

	1998	1999	2000	2001	2002
SAXESS					
Value of stocks listed (SEK billions)	2,413	3,717	3,583	2,856	1,780
Value of other securities listed (SEK billions)	nav	nav	nav	nav	nav
Number of stocks listed	276	300	311	305	297
Number of other securities listed	nav	nav	nav	nav	nav
VPC AB					
Value of stocks issued (SEK billions)	nav	nav	nav	nav	nav

Value of other securities issued (SEK billions)	nav	nav	nav	nav	nav
Number of stocks issued	nav	nav	nav	nav	nav
Number of other securities issued	nav	nav	nav	nav	nav

Table 11e

Netting ratio in clearing systems

	1998	1999	2000	2001	2002
VPC AB					
Netting ratio for cash over year	0.02	0.03	0.03	0.03	0.03
Netting ratio for securities over year	0.05	0.05	0.04	0.03	0.03

Table 12

Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	7	7	7	8	8
<i>of which live</i>	7	7	7	8	8
Sub-members	13	12	11	10	10
<i>of which live</i>	13	11	11	10	10
Participants	9	13	13	12	13
<i>of which live</i>	9	13	12	11	13
Total users	29	32	31	30	31
<i>Memorandum items:</i>					
Total SWIFT users	6771	6991	7293	7457	7601
<i>of which:</i>					
<i>members</i>	3,052	2,230	2,307	2,265	2,217
<i>sub-members</i>	2,781	2,825	3,037	3,143	3,130
<i>participants</i>	938	1,936	1,949	2,049	2,254

Table 13

SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	14,627,952	17,692,144	22,576,913	24,573,488	25,827,594
<i>of which:</i>					
<i>category I</i>	5,389,136	5,889,735	6,496,445	6,927,244	7,104,088
<i>category II</i>	2,866,339	3,168,282	3,432,628	3,501,179	3,562,439
Total messages received	11,844,938	13,950,316	16,844,471	18,021,094	19,627,271
<i>of which:</i>					
<i>category I</i>	4,122,240	4,636,178	5,193,749	5,759,794	6,143,159
<i>category II</i>	2,942,456	3,656,123	4,062,577	4,102,686	4,015,318
Domestic traffic	2,398,305	3,048,117	3,519,450	3,969,098	4,097,857
<i>Memorandum item:</i>					
Global SWIFT traffic	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

	1998	1999	2000	2001	2002
Population (thousands) ^{1), 2)}	58,305	58,481	58,643	59,031	59,207
GDP (GBP billions)	859.4	902.5	950.4	993.1	1,043.6
GDP per capita (GBP) ²⁾	14,739	15,432	16,207	16,824	17,627
Exchange rate (domestic currency vis-à-vis EUR):					
<i>end of year</i>	0.7055	0.6217	0.6241	0.6085	0.6505
<i>average</i>	0.6764	0.6590	0.6095	0.6219	0.6288

1) Average for the year.

2) Figures revised following 2001 UK census.

Table 2
Settlement media used by non-banks

(end of year, GBP billions)

	1998	1999	2000	2001	2002
Banknotes and coins	25.6	28.2	30.2	32.5	34.0
Transferable deposits	491.3	532.9	570.1	619.2	672.4
Narrow money supply (M2)	515.0	559.2	598.3	649.7	704.3
<i>Memorandum items:</i>					
Broad money supply	783.2	816.5	884.8	942.5	1,007.6
Transferable deposits in foreign currencies	60.5	65.2	79.6	95.7	81.6
Outstanding value on e-money schemes ¹⁾	neg	neg	neg	neg	nav
<i>of which:</i>					
<i>on card-based products</i>	neg	neg	neg	neg	nav
<i>on network-based products</i>	neg ¹⁾	nap	nap	nap	nav

1) A small trial scheme was run during 1998.

Table 3
Settlement media used by banks

(end of year, GBP billions)

	1998	1999	2000	2001	2002
Transferable balances held at central bank	1.60	2.06	1.56	1.71	1.85
<i>of which:</i>					
<i>required reserves ¹⁾</i>	1.21	1.30	1.42	1.55	1.68
<i>free reserves</i>	0.39	0.76	0.14	0.15	0.17
Transferable balances held at other banks ²⁾	232.3	228.8	255.3	297	361.1
<i>Memorandum item:</i>					
Institutions' borrowing from central bank ³⁾	9.9	14.6	20.8	20.4	21.9

1) Reporting banks with average eligible liabilities of GBP 10 million or more were liable to lodge with the Bank of England non-operational, non-interest-bearing deposits of 0.35% of their eligible liabilities until 1 April 1998 and 0.25% until 1 June 1998, (the requirement for institutions for which Northern Ireland is the main place of business in the United Kingdom were 0.25% throughout this period). On 1 June 1998 a statutory scheme came into effect whereby both banks and building societies with average eligible liabilities of GBP 400 million or more are required to hold with the Bank non-interest-bearing deposits of 0.15% of their eligible liabilities in excess of GBP 400 million.

2) Includes some time deposits.

3) Banks borrow from the Bank of England mainly through two-week repo transactions in gilt and euro debt, money bills and Treasury bills. Funds obtained in this way may be used for payment purposes.

Table 4

Banknotes and coins

(end of year, total value, GBP millions)

	1998	1999	2000	2001	2002
Total banknotes issued ^{1),2)}	23,663	26,662	28,087	30,104	32,286
<i>of which:</i>					
GBP 50	3,992	4,235	4,668	5,114	5,148
GBP 20	12,378	14,469	15,504	14,209	16,187
GBP 10	6,205	6,791	6,803	9,816	9,743
GBP 5	1,088	1,167	1,112	965	1,209
GBP 1 ³⁾	nap	nap	nap	nap	nap
Total coins issued ⁴⁾	2,318	2,511	2,712	2,887	3,009
<i>of which:</i>					
GBP 5	nap	14 ⁵⁾	nap	nap	nap
GBP 2	133	264	326	371	410
GBP 1	111	1,089	1,251	1,307	1,341
GBP 0.50	250	271	289	317	333
GBP 0.20	343	359	354	374	391
GBP 0.10	144	150	138	145	149
GBP 0.05	164	177	154	163	168
GBP 0.02	95	102	110	115	119
GBP 0.01	78	85	90	95	98
Total banknotes and coins issued	32,549	37,957	38,583	39,491	41,150
Banknotes and coins held by credit institutions ⁶⁾	6,951	9,728	8,362	7,031	7,178
Banknotes and coins in circulation outside credit institutions ⁶⁾	25,598	28,229	30,221	32,460	33,972

1) Bank of England banknotes only.

2) Average of Wednesdays in December.

3) GBP 1 notes "written-off" in March 1998.

4) Estimate as at 31 December.

5) Millennium commemorative coin.

6) Not seasonally adjusted.

Table 5

Institutional framework

(end of 2002)

Categories	Number of institutions ¹⁾	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts ²⁾ (thousands)	Value of accounts (GBP billions)
Central bank	1	1 ³⁾	nav	0	672.4 ⁴⁾
Credit institutions	447	14,500 ⁵⁾	143,700 ^{5), 6)}	12,883	nap
Postal institution	1	17,500 ⁵⁾	13,900 ^{5), 7)}	nav	1.4 ^{5), 7)}
Total	449	32,000 ⁵⁾	0	12,883	673.8
<i>of which:</i>					
virtual institutions	nap	nap	nap	nap	nap
Branches of foreign banks	197	nav	nav	nav	nav
<i>of which:</i>					
EU-based	94	nav	nav	nav	nav

1) Offering cashless payment services.

2) Number of accounts associated to internet services (credit transfers, payment of bills, etc. carried out via the internet).

3) The Central Bank also has two outlets for note issue and 12 regional agencies for economic intelligence gathering purposes.

4) The Central Bank and Credit institutions figure is amalgamated.

5) Estimated figure.

6) Includes private sector ordinary share and deposit accounts with UK building societies and shares and deposits below GBP 50,000 from corporate bodies, placed with building societies.

7) For the Post Office, National Savings Ordinary Accounts only. National Savings Bank facilities are available at Post Offices on an agency basis.

Table 6

Payment card functions and accepting devices

(end of year)

	1998	1999	2000	2001	2002
Cash function					
Cards with a cash function (thousands)	107,485	112,659	120,682	132,623	142,092
Number of networks	3	1	1	1	1
Number of ATMs with a cash dispensing function	24,574	27,379	33,000	36,666	40,825
<i>of which:</i>					
<i>open access</i>	24,574	27,379	33,000	36,666	40,825
<i>limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Volume of transactions (millions)	1,850	1,968	2,027	2,174	2,268
<i>of which:</i>					
<i>at ATMs with open access</i>	1,850	1,968	2,027	2,174	2,268
<i>at ATMs with limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (GBP billions)	98	108	113	127	136
<i>of which:</i>					
<i>at ATMs with open access</i>	98	108	113	128	136
<i>at ATMs with limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of ATMs with a giro transfer function	9,338	11,594	11,880	14,666	17,963
<i>volume of transactions (millions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>value of transactions (GBP billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Debit function					
Cards with a debit function (thousands)	42,529	46,083	49,730	54,305	59,419
<i>of which:</i>					
<i>retailer cards ¹⁾ (thousands)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	4	4	4	4	4
Number of terminals ²⁾	610,000	700,000	735,000	772,000	810,600
Volume of transactions ³⁾ (millions)	1,767	2,100	2,385	2,756	3,063
<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>
Value of transactions ³⁾ (GBP billions)	55.7	67.0	79.2	99.0	112.7
<i>of which:</i>					
<i>transactions with retailer cards (GBP billions)</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Credit function ⁴⁾					
Cards with a credit function (thousands)	56,885	41,424	47,080	51,701	58,794
<i>of which:</i>					
<i>retailer cards ⁵⁾ (thousands)</i>	18,586	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	2	2	2	2	2
Number of terminals ²⁾	610,000	700,000	735,000	772,000	810,600
Volume of transactions ³⁾ (millions)	1,184	1,301	1,413	1,504	1,647
<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>
Value of transactions ³⁾ (GBP billions)	60.2	70.4	78.8	85.6	96.3
<i>of which:</i>					
<i>transactions with retailer cards (GBP billions)</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Electronic money function ⁶⁾					
Cards with an e-money function (thousands)	140	160	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of accepting terminals	1,642	1,921	<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>
Number of purchase transactions (millions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of purchase transactions (GBP billions)	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>nav</i>
Number of loading transactions (millions)	0.19	0.35	<i>neg</i>	<i>neg</i>	<i>nav</i>
Number of loading terminals	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nap</i>
Value of money loaded (GBP billions)	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>nav</i>
Float (GBP billions)	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>nav</i>

Delayed debit cards (charge cards)					
Cards with a delayed debit function (thousands)	3,270	3,447	3,772	4,426	4,311
Number of terminals	nav	nav	nav	nav	nav
Volume of transactions (millions)	177	189	205	241	236
Value of transactions (GBP billions)	15.1	17.7	21.2	24.9	24.9
<i>Memorandum item:</i>					
Total number of cards in circulation ⁷⁾ (thousands)	112,277	118,338	127,294	136,833	147,530
<i>of which:</i>					
<i>credit, charge and debit cards with ATM</i>					
<i>functionality (thousands)</i>	82,384	88,553	95,658	103,313	118,896
<i>other cards with ATM functionality (thousands)</i>	23,747	23,304	23,024	24,032	23,196
<i>other cards (thousands)</i>	6,146	6,481	8,612	9,488	5,438

- 1) Retailers are not able to issue debit cards.
- 2) Estimate of total number of POS terminals in the United Kingdom. Most accept both credit and debit cards.
- 3) These data include use of UK-issued debit/credit cards at ATMs and at POSs outside the United Kingdom.
- 4) Mastercard and Visa only.
- 5) Excluding cards issued by small retailers. Figures not available after 1998.
- 6) All major e-money trials in the United Kingdom had finished by end-2000.
- 7) Excluding any stand-alone e-money cards and retailer cards.

Table 7
Payment instructions handled by selected interbank funds transfer systems:
volume of transactions ¹⁾
(millions)

	1998	1999	2000	2001	2002
CHAPS	18.0	22.3	25.0	26.6	29.3
CHAPS sterling	18.0	19.8	21.7	24.0	25.6
CHAPS euro ²⁾	nap	2.5	3.3	2.6	3.7
Cheque and credit clearings ³⁾	2,241	2,158	2,033	1,940	1,817
Cheques	2,059	1,981	1,869	1,779	1,664
Paper-based credit transfers	182	177	164	161	153
BACS	2,905	3,096	3,316	3,527	3,735
Credit transfers	1,169	1,233	1,307	1,375	1,446
Direct debits	1,736	1,863	2,010	2,152	2,289
Total	5,164	5,276	5,374	5,494	5,581
Concentration ratio ⁴⁾					
CHAPS sterling	82%	82%	84%	84%	83%
CHAPS euro	nap	67%	72%	69%	69%
Cheque and credit clearings	80%	78%	79%	78%	78%
BACS	78%	79%	76%	75%	74%

- 1) The table contains both customer and banks' own account transactions. Excludes inter-branch items.
- 2) Includes both domestic and cross-border (TARGET) payments. Figures for 2001 onwards exclude inward cross-border payments.
- 3) Includes Northern Ireland (estimated) and Scotland.
- 4) Market share of the five largest participants in each payment system, based on the total volume of transactions.

Table 8
Payment instructions handled by selected interbank funds transfer systems:
value of transactions ¹⁾
(GBP billions)

	1998	1999	2000	2001	2002
CHAPS	41,501	66,814	74,462	71,556	82,278
CHAPS sterling	41,501	44,704	49,146	52,913	51,896
CHAPS euro ²⁾	nap	22,110	25,316	18,643	18,795
Cheque and credit clearings ³⁾	1,470	1,473	1,453	1,440	1,446
Cheques	1,372	1,379	1,365	1,354	1,364
Paper-based credit transfers	98	94	88	86	82
BACS	1,602	1,762	1,922	2,166	2,382
Credit transfers	1,147	1,277	1,405	1,610	1,765

Direct debits	455	485	517	556	617
Total	44,573	70,049	77,837	75,162	86,106
Concentration ratio ⁴⁾					
CHAPS sterling	81%	80%	80%	79%	78%
CHAPS euro	nap	75%	82%	84%	84%
Cheque and credit clearings	80%	80%	81%	81%	80%
BACS	nav	nav	nav	nav	nav

1) The table contains both customer and banks' own account transactions. Excludes inter-branch items.

2) Includes both domestic and cross-border (TARGET) payments. Figures for 2001 onwards exclude inward cross-border payments.

3) Includes Northern Ireland (estimated) and Scotland.

4) Market share of the five largest participants in each payment system, based on the total value of transactions.

Table 9
Indicators of the use of various cashless payment instruments:
volume of transactions ¹⁾
(millions)

	1998	1999	2000	2001	2002
Instruments					
Cheques ²⁾	2,986	2,859	2,699	2,565	2,393
<i>of which:</i>					
<i>face-to-face</i>	2,986	2,859	2,699	2,565	2,393
<i>via PC or other terminal</i>	nap	nap	nap	nap	nap
<i>teleshopping</i>	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap
Payments by debit card ³⁾	1,736	2,062	2,337	2,696	2,994
<i>of which: ⁴⁾</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>teleshopping</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Payments by credit card ^{3), 5)}	1,224	1,344	1,451	1,561	1,687
<i>of which: ⁴⁾</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>via PC or other terminal</i>	nav	nav	nav	nav	nav
<i>teleshopping</i>	nav	nav	nav	nav	nav
<i>via mobile phone</i>	nav	nav	nav	nav	nav
Credit transfers ⁶⁾	1,726	1,797	1,845	1,931	2,008
<i>of which:</i>					
<i>face-to-face ⁷⁾</i>	407	408	386	378	368
<i>via PC or other terminal ⁸⁾</i>	1,319	1,389	1,459	1,553	1,640
<i>teleshopping</i>	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap
Direct debits ³⁾	1,736	1,863	2,010	2,152	2,289
<i>of which:</i>					
<i>face-to-face</i>	nap	nap	nap	nap	nap
<i>via PC or other terminal</i>	1,736	1,863	2,010	2,152	2,289
<i>teleshopping</i>	nap	nap	nap	nap	nap
<i>via mobile phone</i>	nap	nap	nap	nap	nap
Card-based electronic money	nav	nav	nav	nav	nav
Network-based electronic money	neg	neg	nap	nap	nav
Total	9,408	9,925	10,342	10,905	11,371

1) This table contains all customer transactions. It also, for a number of instruments, includes banks' own account transactions where these cannot be identified separately (see further footnotes). Includes Northern Ireland and Scotland. Also includes some data and/or estimates of inter-branch and in-house processed items.

2) Includes inter-branch cheques and estimates of in-house processed cheques. Will include some own account items.

3) Customer transactions only.

4) There is no information available on POS, non-POS etc. use of debit/credit cards.

5) Includes charge cards.

6) Includes inter-branch paper credit transfers plus some in-house automated transactions (including some transactions on banks' own accounts). From 1999 onwards, the figures include all payments into and out of the United Kingdom through TARGET and domestic CHAPS Euro payments.

- 7) Paper credit transfers.
8) All other credit transfers.

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

	1998	1999	2000	2001	2002
Instruments					
Cheques ²⁾	1,991	1,991	1,971	1,952	1,926
<i>of which:</i>					
face-to-face	1,991	1,991	1,971	1,952	1,926
via PC or other terminal	nap	nap	nap	nap	nap
televanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Payments by debit card ³⁾	54	65	76	95	108
<i>of which:</i> ⁴⁾					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Payments by credit card ^{3), 5)}	64	76	85	94	103
<i>of which:</i> ⁴⁾					
face-to-face	nav	nav	nav	nav	nav
via PC or other terminal	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav
via mobile phone	nav	nav	nav	nav	nav
Credit transfers ⁶⁾	42,932	68,378	76,143	86,741	84,785
<i>of which:</i>					
face-to-face ⁷⁾	220	217	207	203	196
via PC or other terminal ⁸⁾	42,712	68,161	75,936	86,538	84,589
televanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Direct debits ³⁾	455	485	517	556	617
<i>of which:</i>					
face-to-face	nap	nap	nap	nap	nap
via PC or other terminal	455	485	517	556	617
televanking	nap	nap	nap	nap	nap
via mobile phone	nap	nap	nap	nap	nap
Card-based electronic money	neg	nav	nav	nav	nav
Network-based electronic money	neg	neg	nap	nap	nav
Total	45,496	70,995	78,792	89,438	87,539

- 1) This table contains all customer transactions. It also, for a number of instruments, includes banks' own account transactions where these cannot be identified separately (see further footnotes). Includes Northern Ireland and Scotland. Also includes some data and/or estimates of inter-branch and in-house processed items.
- 2) Includes inter-branch cheques and estimates of in-house processed cheques. Will include some own account items.
- 3) Customer transactions only.
- 4) There is no information available on POS, non-POS etc use of debit/credit cards.
- 5) Includes charge cards.
- 6) Includes inter-branch paper credit transfers plus some in-house automated transactions (including some transactions on banks' own accounts). From 1999 onwards, the figures include all payments into and out of the UK through TARGET and domestic CHAPS Euro payments.
- 7) Paper credit transfers.
- 8) All other credit transfers.

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

	1998	1999	2000	2001	2002
Trading platforms					
London Stock Exchange					
Volume of transactions ¹⁾	23.4	28.6	40.7	49.6	52.7
<i>of which:</i>					
United Kingdom	16.3	21.1	29.4	32.1	37.5
other	7.1	7.6	11.3	17.5	15.2
Virt-x ²⁾					
Volume of transactions ¹⁾	0.03	0.03	0.05	6.19	9.30
Clearing houses					
London Clearing House					
Volume of trades cleared ³⁾	267.2	206.0	197.3	316.1	368.8
<i>of which:</i>					
securities ⁴⁾	189.9	116.1	100.7	225.6	273.1
commodities	77.3	89.9	96.6	90.5	95.7
Securities settlement systems ⁵⁾					
CREST ^{6), 7)}					
Volume of settlement instructions	35.8	43.2	59.1	73.4	75.7
CGO ⁷⁾					
Volume of settlement instructions	1.11	2.06	nav	nap	nap
CMO ⁵⁾					
Volume of settlement instructions	0.22	0.33	0.20	0.20	0.10

1) Number of trades settled.

2) Virt-x was, until June 2001, known as Tradepoint. Figures for June 2001 onwards are for Virt-x and include Swiss stocks.

3) Number of contracts.

4) Includes non-commodity futures and options traded on LIFFE (and cleared through LCH).

5) Volumes include one side of each transaction.

6) Figures are for UK and Ireland

7) CGO was closed in July 2000 and the settlement of the relevant instruments taken over by CREST.

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

	1998	1999	2000	2001	2002
Trading platforms					
London Stock Exchange					
Value of transactions	3,220	3,831	5,416	5,581	4,595
<i>of which:</i>					
United Kingdom	1,037	1,411	1,896	1,905	1,815
other	2,183	2,420	3,520	3,676	2,780
Virt-x ¹⁾					
Value of transactions	7.5	7.1	13.6	200	384
Clearing houses					
London Clearing House					
Value of trades cleared ²⁾	nav	50,177	62,535	107,707	145,052
Securities settlement systems ³⁾					
CREST ^{3), 4)}					
Value of settlement instructions	7,367	9,473	48,693	52,024	51,499
CGO ^{4), 5)}					
Value of settlement instructions	32,962	33,146	nav	nap	nap
CMO ⁴⁾					
Value of settlement instructions	3,316	2,337	2,405	2,255	1,708

1) Virt-x was, until June 2001, known as Tradepoint. Figures for June 2001 onwards are for Virt-x and include Swiss stocks.

2) Contract values, securities

3) Values include one side of each transaction.

4) Figures are for UK and Ireland

5) Turnover includes one side of each transaction.

6) CGO was closed in July 2000 and the settlement of the relevant instruments taken over by CREST.

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

	1998	1999	2000	2001	2002
Trading systems					
London Stock Exchange	276	289	293	293	297
Banks	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	nav	nav
<i>foreign</i>	nav	nav	nav	nav	nav
Broker/dealer	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	nav	nav
<i>foreign</i>	nav	nav	nav	nav	nav
Other institutions	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	nav	nav
<i>foreign</i>	nav	nav	nav	nav	nav
Virt-x¹⁾	91	128	127	111	112
Banks	nav	42	36	71	69
<i>of which:</i>					
<i>domestic</i>	nav	39	35	5	5
<i>foreign</i>	nav	3	1	66	64
Broker/dealer	nav	54	58	40	41
<i>of which:</i>					
<i>domestic</i>	nav	41	46	28	30
<i>foreign</i>	nav	13	12	12	11
Other institutions	nav	32	33	0	2
<i>of which:</i>					
<i>domestic</i>	nav	29	31	0	2
<i>foreign</i>	nav	3	2	0	0
Clearing systems					
London Clearing House	117	110	112	116	117
Banks ²⁾	nav	nav	35	42	41
<i>of which:</i>					
<i>domestic</i>	nav	nav	8	19	20
<i>foreign</i>	nav	nav	27	23	21
Broker/dealer ³⁾	nav	nav	69	67	73
<i>of which:</i>					
<i>domestic</i> ⁴⁾	nav	nav	57	57	59
<i>foreign</i>	nav	nav	12	10	14
Other institutions	nav	nav	8	7	3
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	6	2
<i>foreign</i>	nav	nav	nav	1	1
Securities settlement systems					
CREST	5,365	22,949	28,489	41,227	52,881
Banks, brokers/dealers etc.	1,713	1,715	1,636	2,234	2,017
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	nav	nav
<i>foreign</i>	nav	nav	nav	nav	nav
Others	3,652	21,234	26,853	38,993	50,864
<i>of which:</i>					
<i>private clients</i>	3,652	21,234	26,853	38,993	50,864

CGO ⁵⁾	322	378	nap	nap	nap
Banks, brokers/dealers etc.	nav	nav	nap	nap	nap
<i>of which:</i>					
<i>domestic</i>	nav	nav	nap	nap	nap
<i>foreign</i>	nav	nav	nap	nap	nap
Others	nav	nav	nap	nap	nap
<i>of which:</i>					
<i>private clients</i>	nav	nav	nap	nap	nap
CMO	84	60	70	64	58
Banks, brokers/dealers etc.	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	nav	nav
<i>foreign</i>	nav	nav	nav	nav	nav
Others	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>private clients</i>	nav	nav	nav	nav	nav

1) *Virt-x* was, until June 2001, known as *Tradepoint*.

2) *Deposit-taking bank institutions*.

3) *Includes brokers/dealers that are wholly-owned by banks*.

4) *Includes firms/institutions registered in the United Kingdom though ultimately owned by a parent registered abroad*.

5) *CGO was closed in July 2000 and the settlement of the relevant instruments taken over by CREST*.

Table 11d

Outstanding securities

(end of year)

	1998	1999	2000	2001	2002
London Stock Exchange					
Value of securities issued ¹⁾ (GBP billions)	4,231	5,425	5,338	4,115	3,060
<i>of which:</i>					
<i>United Kingdom</i>	1,427	1,834	1,812	1,535	1,158
<i>Other</i>	2,804	3,591	3,526	2,580	1,902
Number of securities issued ¹⁾	2,921	2,791	2,929	2,891	2,824
<i>of which:</i>					
<i>United Kingdom</i>	2,399	2,292	2,428	2,438	2,405
<i>Other</i>	522	499	501	453	419
Value of securities registered ²⁾ (GBP billions)	4,231	5,425	5,338	4,115	3,060
Number of securities registered ²⁾	2,921	2,791	2,929	2,891	2,824
Virt-x ³⁾	nav	nav	nav	nav	nav
Securities settlement systems					
CREST					
Value of securities issued (GBP billions)	1,169	1,320	1,785	1,617	1,292
Volume of securities issued	3,496	5,852	10,873	15,846	6,351
Value of securities registered ²⁾ (GBP billions)	1,169	1,320	1,785	1,617	1,292
Number of securities registered ²⁾	3,496	5,852	10,873	15,846	6,351
CGO ⁴⁾					
Value of securities issued (GBP billions)	nav	256	nav	nav	nav
Volume of securities issued	nav	184	nav	nav	nav
Value of securities registered ²⁾ (GBP billions)	nav	256	nav	nav	nav
Number of securities registered ²⁾	nav	184	nav	nav	nav
CMO ⁵⁾					
Value of securities issued (GBP billions)	140	154	143	151	171
Number of securities issued	57,920	63,119	58,805	51,109	56,691
Value of securities registered ²⁾ (GBP billions)	140	154	143	151	171
Number of securities registered ²⁾	57,920	63,119	58,805	51,109	56,691

1) *Data show the value and number of securities listed on the London Stock Exchange*.

2) *In the United Kingdom all securities are both listed and registered*.

3) *Virt-x was, until June 2001, known as Tradepoint. Figures for June 2001 onwards are for Virt-x and include Swiss stocks*.

4) *CGO was closed in July 2000 and the settlement of the relevant instruments taken over by CREST*.

5) *CMO settles only bearer instruments*.

Table 11e
Netting ratio in clearing systems

	1998	1999	2000	2001	2002
London Clearing House					
Netting ratio for cash over year	nav	nav	65%	64%	65%
Netting ratio for securities over year ¹⁾	nav	nav	50%	50%	98% ²⁾

1) Excludes financial and equity derivatives.

2) Figure not comparable with previous years owing to the introduction of netting for London Stock Exchange transactions in July 2002.

Table 12
Participation in SWIFT by domestic institutions

	1998	1999	2000	2001	2002
Members	63	57	60	60	60
<i>of which live</i>	59	53	58	58	58
Sub-members	253	245	294	293	278
<i>of which live</i>	250	243	289	292	277
Participants	129	146	119	113	116
<i>of which live</i>	120	134	115	111	108
Total users	445	448	473	466	454
<i>of which live</i>	429	430	462	461	443
<i>Memorandum items:</i>					
Total SWIFT users	6,771	6,991	7,293	7,457	7,601
members	3,052	2,230	2,307	2,265	2,217
sub-members	2,781	2,825	3,037	3,143	3,130
participants	938	1,936	1,949	2,049	2,254

Table 13
SWIFT message flows to/from domestic users

	1998	1999	2000	2001	2002
Total messages sent	116,671,655	139,153,660	178,684,934	219,949,528	257,517,747
<i>of which:</i>					
<i>category I</i>	15,438,669	19,241,474	22,091,421	32,597,427	49,615,956
<i>category II</i>	29,200,240	28,971,353	29,459,448	35,625,694	38,091,708
Total messages received	124,101,890	157,627,881	208,351,654	271,224,699	329,534,086
<i>of which:</i>					
<i>category I</i>	18,595,169	22,267,913	25,003,567	34,926,104	51,730,610
<i>category II</i>	12,208,457	18,941,986	21,433,758	27,728,104	30,909,510
Domestic traffic	28,685,906	39,076,825	51,680,311	76,019,159	95,274,141
<i>Memorandum item:</i>					
Global SWIFT traffic ¹⁾	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.

Memorandum item:

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

