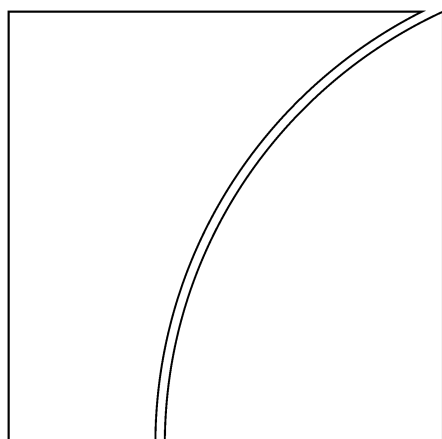


Committee on Payment and Settlement Systems



Statistics on payment and settlement systems in selected countries

Prepared by the Committee on Payment and Settlement Systems of the Group of Ten Countries

Figures for 2000

July 2002



BANK FOR INTERNATIONAL SETTLEMENTS

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Table of contents

Country tables	1
Belgium	3
Canada	16
France	27
Germany	39
Hong Kong	52
Italy	61
Japan	76
Netherlands	87
Singapore	99
Sweden	110
Switzerland	121
United Kingdom	131
United States	145
Comparative tables	157
Standard methodology for the country tables	211
Glossary	219
Central bank officials involved in the preparation of this edition of the statistical update	223
Other BIS publications relating to payment and settlement systems	225

Explanatory note

This edition of Statistics on Payment and Settlement Systems in selected countries includes a standard methodology explaining what is included in the data in the country tables. It is important that the country tables are read in conjunction with this methodology. Where the data provided are an exception to the methodology, this is indicated by a footnote in the table concerned.

This edition includes notation as follows:

nav not available

nap not applicable

neg the data are very small (relative to other relevant data in the table concerned)

0 exactly zero (not a very small number rounded to zero)

Differences in totals are due to rounding.

Country tables

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population (thousands)	10,155	10,180	10,203	10,222	10,254
GDP (EUR billions) ¹	212.65	216.40	224.31	235.54	248.34
GDP per capita (EUR) ¹	20,940	21,257	21,985	23,042	24,219
Exchange rate (BEF/USD) ²					
year-end	32.0051	36.9201	34.5746	40.1552	43.3529
average	30.9578	35.7866	36.2805	37.9028	43.8049
Exchange rate (EUR/USD) ³					
year-end	(0.7981)	(0.9056)	(0.8571)	0.99542	1.07469
average	(0.7878)	(0.8829)	(0.8932)	0.93958	1.08590

¹ Prior to 1999, converted using the BEF/ECU exchange rate (see also footnote 3). Thereafter, and for all other data in these country tables which are expressed in euro, the irrevocable conversion rate (see footnote 2 below) of 40.3399 BEF/EUR has been used. ² Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999. ³ Figures in brackets are ECU/USD. On 31 December 1998, 1 EUR was set to equal 1 ECU.

Table 2
Settlement media used by non-banks
End of year, in billions of EUR

	1996	1997	1998	1999	2000
Notes and coin	10.80	10.94	10.88	12.00	11.87
Transferable deposits	28.51	30.38	34.84	46.90	49.60
Other	nav	nav	nav	nav	nav
Narrow money supply (M1)	39.31	41.32	45.72	58.90	61.40
<i>Memorandum items:</i>					
Broad money supply	179.20	185.90	197.10	210.30	213.40
Transferable deposits in foreign currencies ¹	4.81	5.68	7.09	3.72	4.60
Outstanding value on e-money schemes	neg	0.02	0.03	0.04	0.05
<i>of which:</i>					
on card-based products	neg	0.02	0.03	0.04	0.05
on network-based products	nav	nav	nav	nav	nav

¹ 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, in billions of EUR

	1996	1997	1998	1999	2000
Transferable balances held at central bank	0.06	0.03	0.84	7.34	7.25
<i>of which:</i>					
required reserves ¹	nap	nap	0.82	7.29	7.25
free reserves ²	0.06	0.03	0.02	0.05	neg
Transferable balances held at other banks ³	4.08	4.51	4.60	6.46	7.04
<i>Memorandum item:</i>					
Institutions' borrowing from central bank	0.03	0.11	0.12	neg	neg

¹ In preparation for the introduction of the euro, the Belgian National Bank carried out tests on required reserves in September 1998. ² Until 1998, average of end-of-month figures; from 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 coin
 End of year, in billions of EUR and BEF

	1996		1997		1998		1999		2000	
	EUR	BEF	EUR	BEF	EUR	BEF	EUR	BEF	EUR	BEF
Total banknotes issued	11.52	464.7	11.86	478.6	11.97	482.9	13.43	541.9	13.48	543.6
<i>of which:</i>										
BEF 10,000	5.59	225.7	5.46	220.1	5.71	230.4	6.69	269.7	6.81	274.8
BEF 2,000	3.34	134.6	3.95	159.2	3.86	155.6	4.12	166.2	4.05	163.2
BEF 1,000	1.86	75.0	1.70	68.6	1.63	65.7	1.80	72.7	1.81	73.0
BEF 500	0.34	13.6	0.35	14.3	0.36	14.7	0.40	16.0	0.39	15.7
BEF 200 ¹	0.12	4.9	0.14	5.6	0.15	6.0	0.16	6.5	0.16	6.6
BEF 100	0.27	10.9	0.27	10.8	0.26	10.5	0.27	10.8	0.26	10.3
Total coin issued	0.53	21.5	0.56	22.5	0.57	23.0	0.60	24.1	0.59	24.0
<i>of which:</i>										
BEF 500	<i>neg</i>	0.2	<i>neg</i>	0.2	<i>neg</i>	0.2	<i>neg</i>	0.2	<i>neg</i>	0.2
BEF 250	<i>neg</i>	0.1	<i>neg</i>	0.1	<i>neg</i>	0.1	<i>neg</i>	0.1	<i>neg</i>	0.1
BEF 50	0.22	8.7	0.23	9.1	0.23	9.3	0.24	9.8	0.24	9.7
BEF 20	0.19	7.6	0.20	7.9	0.20	8.0	0.21	8.3	0.20	8.2
BEF 5	0.07	3.0	0.08	3.2	0.08	3.3	0.09	3.5	0.09	3.5
BEF 1	0.04	1.6	0.04	1.7	0.04	1.8	0.05	1.9	0.05	2.0
BEF 0.5	0.01	0.3	0.01	0.3	0.01	0.3	0.01	0.3	0.01	0.3
Total banknotes and coin issued	12.05	486.2	12.42	501.1	12.54	505.9	14.03	566.0	14.07	567.6
Banknotes and coin held by credit institutions	1.25	50.4	1.48	59.8	1.66	67.1	2.03	81.9	2.20	88.8
Banknotes and coin in circulation outside credit institutions	10.80	435.8	10.94	441.3	10.88	438.8	12.00	484.1	11.87	478.8

¹ The issuance of the BEF 200 banknote began on 25 January 1996.

Table 5
Institutional framework
 End of 2000

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (EUR billions)
Central bank	1	8	2	nav	0.51
Credit institutions	119	6,610 ¹	12,558	nav	49.10
Postal institution	1	1,384	5 ²	nav	nav
Total	121	8,002	12,565	nav	49.61
<i>of which:</i>					
virtual institutions	1	nav	nav	nav	nav
Branches of foreign banks	47	nav	nav	nav	nav

¹ Excluding those branches offering only a limited range of services. ² Public authorities' accounts only; other accounts included in those belonging to credit institutions.

Table 6
Payment card functions and accepting devices
 End of year

	1996	1997	1998	1999	2000
Cash function					
Cards with a cash function (thousands)	10,591	11,361	12,014	13,375	13,930
Number of networks	15	15	13	12	12
Number of ATMs with a cash dispensing function	4,026	5,003	5,757	6,199	6,865
<i>of which:</i>					
<i>open access</i>	1,169	1,144	1,145	1,161	1,305
<i>limited access</i>	2,857	3,859	4,612	5,038	5,560
Volume of transactions (millions)	153.8	159.6	159.3	177.4	209.0
<i>of which:</i>					
<i>at ATMs with open access</i>	97.5	97.2	85.6	90.4	90.9
<i>at ATMs with limited access</i>	56.3	62.4	73.7	87.0	118.1
Value of transactions (EUR billions)	15.8	16.7	16.9	18.6	22.2
<i>of which:</i>					
<i>at ATMs with open access</i>	9.4	9.5	8.6	8.9	8.9
<i>at ATMs with limited access</i>	6.4	7.2	8.3	9.7	13.3
Number of ATMs with a giro transfer function ¹	2,857	3,859	4,612	5,038	5,560
<i>volume of transactions (millions)</i>	56.3	62.4	73.7	87.0	118.1
<i>value of transactions (EUR billions)</i>	6.4	7.2	8.3	9.7	13.3
Debit function					
Cards with a debit function (thousands)	9,520	10,176	10,841	12,024	12,467
<i>of which: retailer cards</i>	1,379	1,428	1,564	1,532	1,507
Number of networks	2	2	2	2	2
Number of terminals	81,331	85,727	93,061	99,623	116,436
Volume of transactions (millions) ²	211.8	240.3	297.0	353.5	408.2
<i>of which: transactions with retailer cards²</i>	19.2	21.8	23.9	26.4	28.5
Value of transactions (EUR billions)	11.1	12.7	15.4	17.9	20.8
<i>of which: transactions with retailer cards²</i>	1.0	1.1	1.2	1.3	1.6
Credit function³					
Cards with a credit function	nav	nav	nav	nav	nav
<i>of which: retailer cards</i>	nav	nav	nav	nav	nav
Number of networks	nav	nav	nav	nav	nav
Number of terminals	nav	nav	nav	nav	nav
Volume of transactions	nav	nav	nav	nav	nav
<i>of which: transactions with retailer cards</i>	nav	nav	nav	nav	nav
Value of transactions	nav	nav	nav	nav	nav
<i>of which: transactions with retailer cards</i>	nav	nav	nav	nav	nav

¹ All ATM's with limited access have a cash dispensing function as well as a giro transfer function. ² Revised figures. ³ All classical brands of "Credit Cards" (Visa, AmEx, Eurocard etc) are issued as delayed debit cards.

Table 6 (cont)

	1996	1997	1998	1999	2000
Electronic money function					
Cards with an e-money function (thousands)	159	1,035	5,606	7,898	8,396
Number of accepting terminals	6,743	21,000	45,649	63,993	67,837
Number of networks	1	1	1	1	1
Number of purchase transactions (millions)	1.5	9.4	28.2	45.5	51.3
Value of purchase transactions (EUR billions)	neg	neg	0.1	0.2	0.2
Number of loading transactions (millions)	0.3	1.6	4.4	6.9	7.8
Number of loading terminals	1,425	6,438	18,198	72,076	101,337
Value of money loaded (EUR billions)	neg	0.1	0.1	0.2	0.2
Float	neg	neg	neg	neg	neg
Delayed debit cards (charge cards)³					
Cards with a delayed debit function (thousands)	2,450	2,613	2,737	2,883	2,970
Number of terminals	nav	nav	nav	nav	nav
Volume of transactions (millions)	35.87	39.62	44.34	48.65	53.79
Value of transactions (EUR billions)	3.46	3.89	4.43	4.92	5.53
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	11,970	12,789	13,578	14,907	15,437
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function</i>	159	1,035	5,606	7,898	8,396
<i>cards with a cheque guarantee function</i>	4,366	4,767	4,746	4,453	3,839

³ All classical brands of "Credit Cards" (Visa, AmEx, Eurocard etc) are issued as delayed debit cards.

Table 7
**Payment instructions handled by selected interbank funds transfer systems:
 volume of transactions¹**
 In millions

	1996	1997	1998	1999	2000
ELLIPS²	0.21	0.96	1.01	1.97	2.36
<i>of which:</i>					
<i>domestic</i>	0.21	0.96	1.01	0.96	0.95
<i>cross-border</i>	0	0	0	1.01	1.41
Clearing house	11.57	6.78	5.75	4.95	4.19
Postal drafts and money orders	3.28	2.85	2.40	2.03	1.74
Debits	4.14	3.57	3.30	2.90	2.42
Credit transfers	4.15	0.36	0.05	0.02	0.03
CEC	870.92	880.60	929.10	937.17	885.22
Direct debits	79.11	84.86	91.90	99.54	103.64
<i>of which:</i>					
<i>ordinary direct debits</i>	73.27	81.56	88.09	95.14	98.90
<i>refunds</i>	0.67	0.65	0.86	1.06	1.08
<i>unpaid direct debits</i>	2.17	2.65	2.95	3.34	3.66
Other debit operations	351.33	334.43	340.79	306.79	243.96
<i>of which:</i>					
<i>truncated cheques</i>	72.08	65.79	61.47	62.57	44.80
<i>ATMs and POS</i>	278.84	268.24	278.96	253.89	198.88
<i>unpaid cheques</i>	0.41	0.40	0.36	0.33	0.28
Credit transfers	440.68	461.31	496.43	530.84	537.62
<i>of which:</i>					
<i>credit transfers</i>	352.67	368.72	388.04	405.43	393.16
<i>counterparty postal</i>	2.48	2.17	1.82	1.65	1.37
<i>counterparty ATM-POS</i>	64.96	67.75	82.93	102.15	121.59
<i>money order transfers</i>	19.50	19.74	17.86	16.18	16.48
<i>large-value or urgent credit transfers</i>	0.87	1.84	2.50	2.49	2.35
<i>others³</i>	nav	1.09	3.28	2.94	2.67
Concentration ratio (in %):⁴					
ELLIPS	nav	nav	nav	nav	nav
Clearing house	nav	nav	nav	70	69
CEC	64	63	69	76	74

¹ The table contains both customer and interbank transactions. ² ELLIPS, the Belgian RTGS system, went live on 24 September 1996. ³ Bills of exchange. 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 transactions¹**
 In billions of EUR

	1996	1997	1998	1999	2000
ELLIPS²	1,798.0	8,495.0	9,349.0	19,430.0	21,251.8
<i>of which:</i>					
<i>domestic</i>	1,798.0	8,495.0	9,349.0	4,071.3	3,593.0
<i>cross-border</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	15,358.7	17,658.8
Clearing house	6,027.3	134.2	119.1	112.3	104.6
Securities clearing balances ³	250.2	nav	nav	nav	nav
Postal drafts and money orders	1.5	1.5	1.2	1.2	1.0
Debits	377.5	124.7	117.7	111.0	103.6
Credit transfers	5,398.2	7.9	0.1	0.05	0.04
CEC	660.9	457.6	482.55	476.27	484.40
Direct debits	11.8	14.9	14.7	16.5	18.0
<i>of which:</i>					
<i>ordinary direct debits</i>	11.3	14.2	13.9	15.5	16.9
<i>refunds</i>	0.1	0.2	0.2	0.3	0.3
<i>unpaid direct debits</i>	0.4	0.5	0.6	0.6	0.8
Other debit operations	46.7	46.7	47.3	50.1	53.2
<i>of which:</i>					
<i>truncated cheques</i>	27.0	25.9	24.6	24.3	22.5
<i>ATMs and POS</i>	19.3	20.5	22.4	25.5	30.4
<i>unpaid cheques</i>	0.3	0.3	0.3	0.3	0.3
Credit transfers	602.4	396.0	420.5	409.7	413.2
<i>of which:</i>					
<i>credit transfers</i>	237.8	238.6	257.0	273.8	274.9
<i>counterparty postal</i>	0.9	0.7	0.6	0.6	0.5
<i>counterparty ATM-POS</i>	19.2	20.5	22.4	25.1	28.9
<i>money order transfers</i>	4.5	4.5	4.1	4.0	4.0
<i>large-value or urgent credit transfers</i>	340.1	127.6	122.0	94.9	93.6
<i>others⁴</i>	<i>nav</i>	4.0	14.4	11.3	11.3
Concentration ratio (in %):⁵					
ELLIPS	nav	nav	nav	nav	nav
Clearing house	nav	nav	nav	74	74
CEC	nav	63	nav	73	73

¹ The table contains both customer and interbank transactions. ² ELLIPS, the Belgian RTGS system, went live on 24 September 1996. ³ As from 1 October 1996, participants' end-of-day balances are directly registered on their accounts with the Belgian National Bank. ⁴ Bills of exchange. ⁵ Market share of the five largest participants in each payment system, based on the total value of transactions.

Table 9
**Indicators of use of various cashless payment instruments:
 volume of transactions¹**
 In millions

	1996	1997	1998	1999	2000
Instruments					
Cheques	109.7	95.8	86.9	80.2	70.7
<i>of which:</i>					
<i>face-to-face</i>	109.7	95.8	86.9	80.2	70.7
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>televanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Payments by debit card	211.8	240.3	297.0	353.5	408.2
<i>of which:</i>					
<i>face-to-face²</i>	211.8	240.3	297.0	353.5	408.2
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>televanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Payments by credit card	35.9	39.6	44.3	48.7	53.8
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>televanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Credit transfers	694.6	697.3	674.7	723.0	656.8
<i>of which:</i>					
<i>face-to-face³</i>	451.5	446.3	411.6	412.1	361.3
<i>PC or other terminal</i>	243.1	251.0	263.1	310.9	295.6
<i>televanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Direct debits	113.5	117.9	117.4	142.3	166.2
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	113.5	117.9	117.4	142.3	166.2
<i>televanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Card-based electronic money	1.53	9.44	28.17	45.47	51.27
Network-based electronic money	nav	nav	nav	nav	nav
Total	1,168.7	1,202.0	1,249.7	1,393.8	1,407.0

¹ Excludes items initiated by banks; this data is not available. ² Figures for 1996-99 have been revised. ³ Paper-based payment orders.

Table 10
**Indicators of use of various cashless payment instruments:
 value of transactions¹**
 In billions of EUR

	1996	1997	1998	1999	2000
Instruments					
Cheques ²	285	289	358	98	87
<i>of which:</i>					
<i>face-to-face</i>	285	289	358	98	87
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by debit card	11	13	15	18	21
<i>of which:</i>					
<i>face-to-face</i> ³	11	13	15	18	21
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by credit card	3	4	4	5	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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers	9,514	9,728	10,719	15,186	16,127
<i>of which:</i>					
<i>face-to-face</i> ⁴	6,922	1,487	1,625	2,184	2,679
<i>PC or other terminal</i>	2,592	8,241	9,094	13,002	13,448
<i>televoting</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits	27	29	32	41	51
<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>PC or other terminal</i>	27	29	32	41	51
<i>televoting</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Card-based electronic money	neg	neg	0.1	0.2	0.2
Network-based electronic money	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Total	9,841	10,063	11,130	15,348	16,291

¹ Excludes items initiated by banks; this data is not available. ² As from 1999, some large-value debit operations are no longer considered as cheques. ³ Figures for 1996-99 have been revised. ⁴ Paper-based payment orders.

Table 11a
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:¹**
volume of transactions
In thousands

	1996	1997	1998	1999	2000
Regulated off-exchange market²					
Volume of transactions	nav	112.8	88.3	68.5	72.9
BXS					
Volume of transactions (in number of securities)	735,145.7	770,027.7	1,323,874.9	2,086,762.8	2,752,636.9
Nasdaq Europe					
Volume of transactions	1.3	22.6	160.6	157.3	412.3
BXS-Clearing					
Volume of transactions cleared	nav	nav	nav	nav	nav
NBB SSS					
Volume of settlement instructions	229.8	199.8	156.9	121.2	115.0
BXS-CIK					
Volume of settlement instructions (EMSS)	nav	nav	nav	242.7	248.1

¹ As a result of mergers and the creation of new companies, figures are not always available. ² Including transactions made on MTS Belgium.

Table 11b
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:¹**
value of transactions
In billions of EUR

	1996	1997	1998	1999	2000
Regulated off-exchange market²					
Value of transactions	nav	1,799.4	1,932.2	1,815.0	1,885.0
BXS					
Value of transactions	20.1	30.5	55.8	55.6	47.5
Nasdaq Europe					
Value of transactions	0.0	0.9	3.9	4.5	21.3
BXS-Clearing					
Value of transactions cleared (cash market)	nav	nav	nav	34.5	30.0
NBB SSS³					
Value of settlement instructions	2,303.8	2,563.9	2,701.9	2,261.3	2,372.0
BXS-CIK					
Value of settlement instructions (EMSS)	nav	nav	nav	75.5	76.0

¹ As a result of mergers and the creation of new companies, figures 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 systems¹**

	1996	1997	1998	1999	2000
Regulated off-exchange market (trading system)	nav	216	199	203	203
Banks	nav	148	137	136	136
<i>of which:</i>					
<i>domestic</i>	nav	90	80	73	71
<i>foreign</i>	nav	58	57	63	65
Brokers/dealers	nav	66	60	65	66
<i>of which:</i>					
<i>domestic</i>	nav	60	52	52	50
<i>foreign</i>	nav	6	8	13	16
Others:	2	2	2	2	2
<i>National Bank of Belgium (central bank)</i>	1	1	1	1	1
<i>Institut de Réescompte et de Garantie (bill rediscounter)</i>	1	1	1	1	1
BXS (trading system)					
Members (stock exchange + derivatives exchange)	115	103	102	130	118
<i>of which:</i>					
<i>domestic</i>	106	93	88	86	74
<i>foreign</i>	9	10	14	44	44
Nasdaq Europe					
Members	19	60	69	79	78
<i>of which:</i>					
<i>domestic</i>	6	8	9	11	10
<i>foreign</i>	13	52	60	68	68
Banks	2	16	13	14	14
<i>of which:</i>					
<i>domestic</i>	1	1	0	0	0
<i>foreign</i>	1	15	13	14	14
Brokers/dealers	17	44	56	65	64
<i>of which:</i>					
<i>domestic</i>	5	7	9	11	10
<i>foreign</i>	12	37	47	54	54
BXS-Clearing (clearing house)	nav	nav	nav	76	57
Banks	nav	nav	nav	35	24
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	31	19
<i>foreign</i>	nav	nav	nav	4	5
Brokers/dealers	nav	nav	nav	41	33
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	41	33
<i>foreign</i>	nav	nav	nav	nav	nav

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

Table 11c (cont)

	1996	1997	1998	1999	2000
NBB SSS	209	183	188	166	151
Banks	121	112	108	88	83
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Brokers/dealers	73	51	51	41	33
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Others:	15	20	29	37	35
<i>Security settlement systems</i>	2	2	2	5	5
<i>Ministry of Finance</i>	2	2	3	3	3
<i>Public bodies</i>	11	16	24	29	27
BXS-CIK	151	140	124	113	113
Banks	70	68	65	57	57
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	43	43
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	14	14
Brokers/dealers	72	63	54	52	52
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	48	48
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	4	4
Security settlement systems	9	9	5	4	4

Table 11d
Outstanding securities¹
 End of year

	1996	1997	1998	1999	2000
Regulated off-exchange market²					
Value of stocks listed	nav	nav	nav	nav	nav
Value of other securities listed (EUR billions)	171.8	177.5	180.4	191.1	203.6
Number of stocks listed	nav	nav	nav	nav	nav
Number of other securities listed	nav	nav	nav	nav	nav
BXS					
Value of stocks listed (EUR billions)	94.6	127.6	209.2	183.7	196.7
Value of other securities listed (EUR billions)	0.3	0.3	0.5	1.0	nav
<i>of which:</i>					
<i>domestic equity warrants</i>	0.3	0.3	0.5	1.0	nav
<i>foreign companies</i>	nav	nav	nav	nav	nav
Number of stocks listed	291.0	287.0	298.0	308.0	295.0
Number of other securities listed	nav	nav	nav	nav	nav
Nasdaq Europe					
Value of stocks listed (EUR billions)	0.7	4.2	13.1	42.9	24.4
Value of other securities listed (EUR billions)	nav	nav	nav	nav	nav
Number of stocks listed	4.0	23.0	39.0	56.0	63.0
Number of other securities listed	nav	nav	nav	nav	nav
NBB SSS					
Value of stocks listed	nav	nav	nav	nav	nav
Value of other securities listed (EUR billions)	222.8	235.3	238.8	252.3	277.0
Number of stocks listed	nav	nav	nav	nav	nav
Number of other securities listed	nav	nav	nav	nav	nav
BXS-CIK					
Value of stocks listed (EUR billions)	nav	nav	nav	164.1	167.0
Value of other securities listed (EUR billions)	nav	nav	nav	nav	nav
Number of stocks listed	nav	nav	nav	nav	nav
Number of other securities listed	nav	nav	nav	nav	nav

¹ As a result of mergers and the creation of new companies, figures are not always available. ² Including transactions made on MTS Belgium.

Table 11e
Netting ratio in clearing systems

Details are not available.

Table 12
Participation in SWIFT by domestic institutions

	1996	1997	1998	1999	2000
Members	32	32	29	24	23
<i>of which: live</i>	32	32	28	24	23
Sub-members	37	39	41	38	42
<i>of which: live</i>	37	39	41	37	41
Participants	6	5	10	17	19
<i>of which: live</i>	6	5	10	17	18
Total users	75	76	80	79	84
<i>of which: live</i>	75	76	79	78	82
<i>Memorandum items:</i>					
Total SWIFT users	5,918	6,372	6,771	6,991	7,293
<i>members</i>	3,014	3,070	3,052	2,230	2,307
<i>sub-members</i>	2,500	2,621	2,781	2,825	3,037
<i>participants</i>	404	681	938	1,936	1,949

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	26,928,329	31,355,971	36,454,886	45,648,537	57,872,520
<i>of which:</i>					
<i>category I</i>	6,845,391	7,170,089	7,825,972	10,056,972	11,323,837
<i>category II</i>	6,845,391	7,009,454	6,859,838	5,397,628	5,673,766
Total messages received	24,324,277	27,950,457	31,617,702	37,434,987	48,539,836
<i>of which:</i>					
<i>category I</i>	6,441,304	6,665,892	7,108,235	9,207,639	10,529,012
<i>category II</i>	5,202,993	5,771,831	5,715,306	5,017,388	5,486,417
Domestic traffic	5,283,148	6,138,563	6,999,929	9,275,820	11,035,591
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population (millions) ¹					
<i>year-end</i>	29.77	30.08	30.32	30.59	30.86
<i>average</i>	29.68	29.99	30.25	30.51	30.78
GDP (CAD billions) ^{1,2}	839	885	916	975	1,056
GDP per capita (CAD) ¹	28,273	29,514	30,278	31,972	34,311
Exchange rate (CAD/USD):					
<i>year-end</i> ³	1.3706	1.4305	1.5333	1.4433	1.4995
<i>average</i> ⁴	1.3639	1.3844	1.4831	1.4733	1.5224

¹ Includes most recent revisions. ² Seasonally adjusted. ³ Closing spot rate for the year. ⁴ Average noon spot rate for the year.

Table 2
Settlement media used by non-banks
End of year, in millions of CAD

	1996	1997	1998	1999	2000
Notes and coin	28,023	29,617	31,735	36,830	35,296
Transferable deposits ¹	168,057	179,416	186,473	199,299	223,048
Narrow money supply (M1) ^{1,2}	196,080	209,033	218,208	236,129	258,344
<i>Memorandum items:</i>					
Broad money supply (M2+) ^{1,3}	642,236	634,091	642,078	672,911	714,034
Transferable deposits in foreign currencies	14,187	15,434	21,015	20,164	28,229
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>	nav	nav	nav	nav	nav

¹ Includes most recent revisions. ² This is not equivalent to M1 in Canada. ³ M2+ includes the following in addition to narrow money supply: non-chequable deposits in all deposit-taking institutions; life insurance company individual annuities; money market mutual funds.

Table 3
Settlement media used by banks
End of year, in millions of CAD

	1996	1997	1998	1999	2000
Transferable balances held at central bank ^{1,2}	478	492	575	1,325	524
<i>of which:</i>					
<i>required reserves</i>	nap	nap	nap	nap	nap
<i>free reserves</i>	478	492	575	1,325	524
Transferable balances held at other banks ³	4,357	5,226	6,277	7,310	6,570
<i>Memorandum item:</i>					
Institutions' borrowing from central bank ⁴	543	501	504	549	378

¹ Monthly average. ² Higher balances in 1999 were due to increased cash collateral balances held during the initial implementation phase of LVTS. ³ Revised. ⁴ Advances to members of the Canadian Payments Association.

Table 4
Banknotes and coin
 End of year, in millions of CAD

	1996	1997	1998	1999	2000
Total banknotes issued	29,109	30,542	32,638	40,143	36,775
<i>of which:</i>					
CAD 1,000	2,780	3,108	3,409	3,792	2,828
CAD 500	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
CAD 100	11,809	12,450	13,253	15,336	15,668
CAD 50	3,844	3,916	4,211	5,478	4,932
CAD 25	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
CAD 20	8,469	8,881	9,570	13,296	11,212
CAD 10	994	995	1,014	1,040	967
CAD 5	778	779	775	798	769
CAD 2	260	238	233	230	227
CAD 1	162	161	160	160	159
Other	13	13	13	13	13
Total coin issued	3,208	3,327	3,411	3,545	3,727
Total banknotes and coin issued	32,318	33,869	36,049	43,688	40,503
Banknotes and coin held by credit institutions	4,294	4,253	4,313	6,858	5,207
Banknotes and coin in circulation outside credit institutions ¹	28,023	29,617	31,736	36,830	35,296

¹ The large growth in 1999 is due to deposit-taking institutions' demand for currency as a Y2K contingency.

Table 5
Institutional framework
 End of 2000

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (CAD millions)
Central bank ¹	1	5	nav	nav	nav
Chartered banks	49	8,348	nav	nav	185,936
Local credit unions and Caisses populaires	1,825	3,645	nav	nav	33,630
Trust and loans companies ²	37	1,539	nav	nav	442
Governmental savings institutions ³	2	166	nav	nav	3,040
Postal institution	nav	nav	nav	nav	nav
Total	1,914	13,703	nav	nav	223,048
<i>of which:</i>					
virtual institutions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
branches of foreign banks	3	3	nav	nav	106

¹ Only one branch offers cashless payments for clients. ² Only a few operate nationwide. Those companies that are members of the Canadian Payments Association are included. ³ Operate only in Alberta or Ontario.

Table 6
Payment card functions and accepting devices¹
 End of year

	1996	1997	1998	1999	2000
Cash function					
Cards with a cash function (millions) ²	48	49	57	62	65
Number of networks	40	40	43	60	71
Number of ATMs with a cash dispensing function	18,570	19,608	23,506	26,727	31,922
<i>of which:</i>					
<i>open access³</i>	18,570	19,608	23,506	26,727	31,922
<i>limited access</i>	neg	neg	neg	neg	neg
Volume of transactions (millions)	1,220	1,295	1,398	1,443	1,491
<i>of which:</i>					
<i>at ATMs with open access</i>	1,220	1,295	1,398	1,443	1,491
<i>of which:</i>					
<i>withdrawals</i>	1,019	1,061	1,120	1,144	1,164
<i>deposits⁴</i>	201	234	278	299	327
<i>at ATMs with limited access</i>	neg	neg	neg	neg	neg
Value of transactions (CAD billions)	72	74	103	110	118
<i>of which:</i>					
<i>at ATMs with open access</i>	72	74	103	110	118
<i>of which:</i>					
<i>withdrawals</i>	72	74	103	110	118
<i>deposits</i>	nav	nav	nav	nav	nav
<i>at ATMs with limited access</i>	neg	neg	neg	neg	neg
Number of ATMs with a giro transfer function	nav	nav	nav	nav	nav
Volume of transactions (millions) ⁴	110	123	138	157	163
<i>of which:</i>					
<i>bill payments</i>	56	65	80	91	95
<i>inter-account transfers</i>	55	58	58	66	67
Value of transactions (CAD billions) ⁴	5	11	15	20	23
<i>of which:</i>					
<i>bill payments</i>	5	11	15	20	23
<i>inter-account transfers</i>	nav	nav	nav	nav	nav
Debit function					
Cards with a debit function (millions)	27	31	35	36	36
<i>of which: retailer cards</i>	nav	nav	nav	nav	nav
Number of networks ⁵	11	22	27	34	33
Number of terminals	253,089	330,530	393,730	406,050	438,179
Volume of transactions (millions)	677	1,040	1,355	1,661	1,960
<i>of which: transactions with retailer cards</i>	nav	nav	nav	nav	nav
Value of transactions (CAD billions)	30	44	59	72	85
<i>of which: transactions with retailer cards</i>	nav	nav	nav	nav	nav

Table 6 (cont)

	1996	1997	1998	1999	2000
Credit function^{1,4}					
Cards with a credit function (thousands)	32	34	37	40	42
<i>of which: 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 ⁶	787,600	809,141	835,758	833,344	963,595
Volume of transactions (millions)	904	957	1,009	1,148	1,271
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (CAD billions)	76	86	99	107	126
<i>of which: 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)	<i>nav</i>	42	36	58	87
Number of accepting terminals	<i>nav</i>	1,600	1,050	970	1,245
Number of networks	<i>nav</i>	3	2	2	2
Number of purchase transactions (millions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of purchase transactions (CAD billions)	<i>nav</i>	<i>nav</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
Number of loading transactions (millions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of loading terminals	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of money loaded (CAD billions)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Float (CAD billions)	<i>nav</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
Delayed debit cards (charge cards)					
Cards with a delayed debit function (thousands)	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
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 (CAD 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</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
<i>cards with a cheque guarantee function</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

¹ All figures estimates. Includes charge cards. ² Includes cards with a combined cash and debit function and cards with a combined cash and credit function. ³ As at 31 January of the following year. ⁴ Revised. ⁵ Includes both shared and proprietary networks. ⁶ Number of merchant outlets.

Table 7
**Payment instructions handled by selected interbank funds transfer systems:
 volume of transactions**
 In millions¹

	1996	1997	1998	1999	2000
Automated Clearing Settlement System					
<i>Small cheques</i>	1,521.1	1,425.3	1,383.0	1,403.7	1,359.3
<i>Large cheques</i> ²	6.3	6.8	8.6	7.7	6.4
<i>Unqualified</i> ³	15.0	14.8	19.2	18.9	16.1
<i>Paper remittances</i>	1.1	33.6	74.3	75.7	73.0
<i>Government</i> ⁴	nap	41.6	77.9	nap	nap
<i>Electronic remittances</i>	neg	2.2	17.7	36.2	58.3
<i>EDI</i>	0.2	0.4	0.5	0.6	0.8
<i>Magnetic tape credits</i>	256.1	290.2	293.7	308.2	339.0
<i>Magnetic tape debits</i>	231.8	265.4	301.6	337.8	370.3
<i>Shared ABM networks</i>	306.3	319.6	342.7	364.7	374.4
<i>Point of sale</i>	537.8	806.2	1,089.0	1,344.4	1,554.1
Total	2,875.7	3,206.1	3,608.2	3,897.9	4,151.7
Concentration ratio	nav	78.6	80.1	80.2	80.3
Interbank International Payment System ⁵	2.4	2.7	3.2	0.3	nap
Large-Value Transfer System	nap	nap	nap	3.0	3.5
Concentration ratio (in %)	nap	nap	nap	85.7	85.5

¹ Owing to the rounding of figures, components may not always add to the total shown. ² Defined as all cheques over CAD \$50,000. ³ Payment items that have been returned principally because of insufficient funds in the payer's account or because of stop-payment orders or that do not meet the standards and specifications for MICR-encoded documents of the Canadian Payments Association. ⁴ This stream was initiated in 1997 and was discontinued on 18 June 1998. ⁵ Figures reflect the gross amount processed. The bilateral net amounts are then calculated in IIPS and entered into the Automated Clearing System under the stream "Large Cheques". This system was closed with the commencement of the Large-Value Transfer System on 4 February 1999. 1998 and 1999 volume figures are estimated and calculated in a different manner than preceding years.

Table 8
**Payment instructions handled by selected interbank funds transfer systems:
 value of transactions**
 In billions of CAD¹

	1996	1997	1998	1999	2000
Automated Clearing Settlement System					
<i>Small cheques</i>	1,052.0	1,081.9	1,069.7	1,081.4	1,135.7
<i>Large cheques</i> ²	12,231.1	14,391.6	14,949.8	5,160.0	3,399.7
<i>Unqualified</i> ³	16.1	17.9	22.6	24.0	24.0
<i>Paper remittances</i>	0.1	5.6	14.3	16.4	17.9
<i>Government</i> ⁴	nap	38.0	72.9	nap	nap
<i>Electronic remittances</i>	neg	0.3	2.3	5.4	9.3
<i>EDI</i>	39.4	38.2	40.9	57.8	93.3
<i>Magnetic tape credits</i>	202.5	241.4	288.1	331.5	391.9
<i>Magnetic tape debits</i>	70.2	89.6	110.5	141.0	172.9
<i>Shared ABM networks</i>	21.9	23.7	25.9	28.3	30.3
<i>Point of sale</i>	24.7	36.0	48.1	59.1	69.7
Total	13,658.0	15,964.2	16,645.1	6,904.9	5,344.7
Concentration ratio	nav	78.7	80.4	81.9	81.9
Interbank International Payment System ⁵	15,425.0	19,234.0	27,000.0	1,823.0	nap
Large-Value Transfer System	nap	nap	nap	22,151.0	26,040.1
Concentration ratio (in %)	nap	nap	nap	82.4	82.7

¹ Owing to the rounding of figures, components may not always add to the total shown. ² Defined as all cheques over CAD \$50,000. ³ Payment items that have been returned principally because of insufficient funds in the payer's account or because of stop-payment orders or that do not meet the standards and specifications for MICR-encoded documents of the Canadian Payments Association. ⁴ This stream was initiated in 1997 and was discontinued on 18 June 1998. ⁵ Figures reflect the gross amount processed. The bilateral net amounts are then calculated in IIPS and entered into the Automated Clearing System under the stream "Large Cheques". This system was closed with the commencement of the Large-Value Transfer System on 4 February 1999. 1998 and 1999 value figures are estimated and calculated in a different manner than preceding years.

Table 9
**Indicators of use of various cashless payment instruments:
 volume of transactions**
 In millions¹

	1996	1997	1998	1999	2000
Instruments					
Cheques	1,850.9	1,736.3	1,693.0	1,716.4	1,658.2
<i>of which:</i>					
<i>face-to-face</i>	1,850.9	1,736.3	1,693.0	1,716.4	1,658.2
<i>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card	676.5	1,003.9	1,355.4	1,661.4	1,960.1
<i>of which:</i>					
<i>face-to-face</i>	676.5	1,003.9	1,355.4	1,661.4	1,960.1
<i>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by credit card ²	903.5	956.8	1,008.8	1,147.6	1,270.8
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers	364.0	391.7	463.5	508.5	569.5
<i>of which:</i>					
<i>face-to-face</i>	56.4	40.3	89.2	90.8	87.6
<i>PC or other terminal</i>	307.6	351.4	374.3	414.1	477.7
<i>televanking</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>Interbank / Large-Value</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	3.6	4.2
Direct debits	278.2	318.5	361.9	405.4	444.4
<i>of which:</i>					
<i>face-to-face</i> ^{3,4}	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>PC or other terminal</i> ⁵	278.2	318.5	361.9	405.4	444.4
<i>televanking</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Card-based electronic money	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Network-based electronic money ⁶	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Total	4,073.1	4,407.2	4,882.6	5,439.3	5,903.0

¹ Estimates. ² Includes charge cards. ³ Bill payments initiated at ATMs and bank tellers. ⁴ The period 1996 is calculated differently than the period 1997 onward due to newly available data. ⁵ Includes bill payments initiated over the telephone or internet as well as payments exchanged by magnetic tape. ⁶ Currently, there are no larger-scale network-based electronic money schemes. Volumes generated from smaller schemes are considered to be negligible.

Table 10
**Indicators of use of various cashless payment instruments:
 value of transactions**
 In billions of CAD¹

	1996	1997	1998	1999	2000
Instruments					
Cheques	15,959.0	18,589.7	19,250.5	7,518.5	5,471.3
<i>of which:</i>					
<i>face-to-face</i>	15,959.0	18,589.7	19,250.5	7,518.5	5,471.3
<i>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card	30.2	44.3	58.5	72.1	85.2
<i>of which:</i>					
<i>face-to-face</i>	30.2	44.3	58.5	72.1	85.2
<i>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by credit card ²	76.4	85.7	98.6	107.2	125.7
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers	247.3	342.6	414.8	27,074.5	31,863.0
<i>of which:</i>					
<i>face-to-face</i> ^{3,4}	4.3	6.7	17.2	19.7	21.5
<i>PC or other terminal</i> ⁵	243.0	335.9	397.6	473.6	593.4
<i>telebanking</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits	84.2	107.5	132.6	169.2	36.4
<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>PC or other terminal</i>	84.2	107.5	132.6	169.2	36.4
<i>telebanking</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Card-based electronic money	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Network-based electronic money ⁶	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Total	16,397.1	19,169.8	19,955.0	34,941.5	37,581.6

¹ Estimates. ² Includes charge cards. ³ Bill payments initiated at ATMs and bank tellers. ⁴ The period 1996 is calculated differently than the period 1997 onward due to newly available data. ⁵ Includes bill payments initiated over the telephone or internet as well as payments exchanged by magnetic tape. ⁶ Currently, there are no larger-scale network-based electronic money schemes. Values generated from smaller schemes are considered to be negligible.

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

	1996	1997	1998	1999	2000
Securities settlement systems^{1,2}	15.0	19.6	21.1	24.4	43.1
SSS/BBS	nav	nav	nav	nav	41.5
<i>of which:</i>					
<i>Exchange trades</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	37.3
<i>Non-exchange trades</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	4.2
<i>of which:</i>					
<i>equity</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	3.5
<i>debt</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.7
DCS	nav	nav	nav	nav	1.56
<i>of which:</i>					
<i>government bonds</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.83
<i>Treasury bills</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.26
<i>other</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.47

¹ Securities Settlement System (SSS) and Debt Clearing Service (DCS). ² The large increase in 2000 is due to an increase in SSS/BBS equity volumes.

Table 11b
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:
value of transactions**
In trillions of CAD

	1996	1997	1998	1999	2000
Securities settlement systems¹	39.4	54.7	35.3	25.6	23.9
SSS/BBS	nav	nav	nav	nav	2.5
<i>of which:</i>					
<i>Exchange trades</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.9
<i>Non-exchange trades</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	1.6
<i>of which:</i>					
<i>equity</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.8
<i>debt</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	0.9
DCS	nav	nav	nav	nav	21.4
<i>of which:</i>					
<i>government bonds</i>	26.0	35.1	24.4	12.0	16.9
<i>Treasury bills</i>	11.0	16.5	7.0	4.3	1.5
<i>other^{2,3}</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	3.0

¹ Securities Settlement System (SSS) and Debt Clearing Service (DCS); data prior to 1998 may include both sides of some transactions between CDS member institutions. ² Consist of the money market instruments. ³ Revised.

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

	1996	1997	1998	1999	2000
SSS/BBS					
Number of participants	89	90	92	78	99
DCS					
Number of participants	63	70	63	61	79

Table 11d
Outstanding securities
End of year

	1996	1997	1998	1999	2000
Securities on deposit at CDS¹ (CAD billions)	1,106	1,269	1,422	1,609	1,873

¹ Par value of debt securities plus market value of equity securities on deposit at CDS as at 31 October.

Table 11e
Netting ratio in clearing systems

Details are not available.

Table 12
Participation in SWIFT by domestic institutions

	1996	1997	1998	1999	2000
Members	14	15	14	14	14
<i>of which: live</i>	14	15	14	14	14
Sub-members	33	35	34	33	35
<i>of which: live</i>	33	35	34	32	35
Participants	6	8	12	13	13
<i>of which: live</i>	6	8	12	13	12
Total users	53	58	60	60	62
<i>of which: live</i>	53	58	60	59	61
<i>Memorandum items:</i>					
Total SWIFT users	5,918	6,372	6,771	6,991	7,293
<i>members</i>	3,014	3,070	3,052	2,230	2,307
<i>sub-members</i>	2,500	2,621	2,781	2,825	3,037
<i>participants</i>	404	681	938	1,936	1,949

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	13,497,463	15,259,702	16,116,931	16,591,359	18,739,114
<i>of which:</i>					
<i>category I</i>	3,533,941	4,105,848	4,520,627	4,929,801	5,581,891
<i>category II</i>	3,767,370	4,061,848	4,288,250	4,270,775	4,553,648
Total messages received	11,882,651	13,195,729	14,016,461	14,871,513	16,500,243
<i>of which:</i>					
<i>category I</i>	4,065,216	4,580,790	5,053,188	5,468,337	6,134,991
<i>category II</i>	3,875,583	4,090,266	4,382,645	4,601,262	4,767,752
Domestic traffic	3,770,615	4,170,430	4,595,701	4,854,035	5,383,232
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population (thousands)	59,888	60,151	60,405	60,656	60,431
GDP (EUR billions) ¹	1,225	1,241	1,298	1,350	1,405
GDP per capita (EUR) ¹	20,448	20,634	21,481	22,259	23,246
Exchange rate (FRF/USD): ²					
<i>year-end</i>	5.237	5.988	5.622	6.530	7.050
<i>average</i>	5.243	5.950	5.600	6.127	7.102
Exchange rate (EUR/USD): ³					
<i>year-end</i>	(0.7981)	(0.9056)	(0.8571)	0.99542	1.07469
<i>average</i>	(0.7877)	(0.8828)	(0.8930)	0.93958	1.08590

¹ Prior to 1999, converted using the FRF/ECU exchange rate (see also footnote 3). Thereafter, and for all other data in these country tables which are expressed in euro, the irrevocable conversion rate (see footnote 2 below) of 6.55957 FRF/EUR has been used. ² Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999. ³ Figures in brackets are ECU/USD. On 31 December 1998, 1 EUR was set to equal 1 ECU.

Table 2
Settlement media used by non-banks
End of year, in billions of EUR

	1996	1997	1998	1999	2000
Notes and coin ¹	40.8	40.7	41.4	44.7	44.6
Transferable deposits ^{1,2}	248.0	268.4	279.8	307.7	330.8
Other	neg	neg	neg	neg	neg
Narrow money supply (M1) ^{1,3}	290.8	310.8	322.7	353.6	378.1
<i>Memorandum items:</i>					
Broad money supply ¹	817.9	854.2	875.1	944.6	1,016.7
Transferable deposits in foreign currencies	2.0	1.6	1.5	1.2	2.7
Outstanding value on e-money schemes	0	0	0	neg	neg
<i>of which:</i>					
<i>on card-based products</i>	0	0	0	neg	neg
<i>on network-based products</i>	0	0	0	neg	neg

¹ Breaks in series. ² Excluding deposits in French overseas territories. ³ Coins, French franc-denominated sight deposits held by non-banks (excluding French overseas territories).

Table 3
Settlement media used by banks
 End of year, in billions of EUR

	1996	1997	1998	1999	2000
Transferable balances held at central bank	3.3	3.5	16.6	24.0	27.9
<i>of which:</i>					
<i>required reserves</i> ^{1,2}	3.1	3.2	13.5	18.5	20.5
<i>free reserves</i>	0.2	0.4	-0.6 ¹	0.1	0.2
Transferable balances held at other banks ²	549.7	566.3	592.4	621.9	661.9
<i>Memorandum item:</i>					
Institutions' borrowing from central bank	nav	19.2	18.2	14.0	23.1

¹ Change in reserves policy from 16 October 1998. ² Daily average for the last period of the year. ³ Time deposits with an initial maturity of up to two years and deposits redeemable at notice with an initial maturity of up to three months.

Table 4
Banknotes and coin
 End of year, in billions of EUR and FRF

	1996		1997		1998		1999		2000	
	EUR	FRF	EUR	FRF	EUR	FRF	EUR	FRF	EUR	FRF
Total banknotes issued	41.2	270.4	41.3	273.0	42.3	277.2	46.3	303.5	46.1	302.2
<i>of which:</i>										
<i>FRF 500</i>	19.7	129.2	20.2	133.4	21.8	143.2	23.5	154.5	21.9	143.5
<i>FRF 200</i>	13.1	85.8	12.9	85.2	12.8	84.1	14.6	96.1	15.9	104.4
<i>FRF 100</i>	7.4	48.3	7.1	47.1	6.5	42.7	6.9	45.3	7.1	46.4
<i>FRF 50</i>	0.9	6.1	0.9	6.3	1.0	6.3	1.0	6.6	1.0	6.9
<i>FRF 20</i>	0.2	1.0	0.2	1.1	0.2	1.0	0.2	1.0	0.2	1.1
Total coin issued	2.4	15.6	2.4	16.1	2.5	16.6	2.6	17.2	2.7	17.8
<i>of which:</i>										
<i>FRF 20</i>	0.1	1.0	0.1	1.0	0.1	0.9	0.1	0.8	0.1	0.9
<i>FRF 10</i>	1.2	7.8	1.2	8.2	1.3	8.5	1.4	8.9	1.4	9.2
<i>FRF 5</i>	0.3	2.1	0.3	2.1	0.3	2.2	0.3	2.3	0.4	2.3
<i>FRF 2</i>	0.2	1.0	0.2	1.0	0.2	1.1	0.2	1.2	0.2	1.2
<i>FRF 1</i>	0.3	1.8	0.3	1.8	0.3	1.8	0.3	1.9	0.3	1.9
<i>FRF 0.5</i>	0.1	0.7	0.1	0.7	0.1	0.8	0.1	0.8	0.1	0.8
<i>FRF 0.2</i>	0.1	0.6	0.1	0.6	0.1	0.7	0.1	0.7	0.1	0.7
<i>FRF 0.1</i>	0.1	0.4	0.1	0.4	0.1	0.5	0.1	0.5	0.1	0.5
<i>FRF 0.05</i>	neg	0.2	neg	0.2	neg	0.2	neg	0.2	neg	0.2
Total banknotes and coin issued	43.6	286.0	43.7	289.2	44.8	293.9	48.9	320.7	48.8	320.0
Banknotes and coin held by credit institutions	2.8	18.4	3.0	19.8	3.4	22.3	4.2	27.6	4.2	27.6
Banknotes and coin in circulation outside credit institutions	40.8	267.6	40.7	269.3	41.4	271.6	44.7	293.1	44.6	292.5
<i>Memorandum item:</i>										
Banknotes held in French overseas territories	2.0	13.1	1.7	11.2	1.5	9.8	1.7	11.2	1.8	11.8

Table 5
Institutional framework
 End of 2000

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts ¹	Value of accounts (EUR billions)
Central bank	1	211	73	nav	0.8
Commercial banks	365	10,139	20,187	nav	135.3
Savings banks	34	4,287	10,146	nav	25.0
Mutual or cooperative banks	119	11,148	25,992	nav	98.1
Municipal credit banks	22	83	72	nav	nav
Financial companies	556	nav	nav	nav	nav
Specialised financial institutions	19	nav	nav	nav	3.8
Investment firms	566	nav	nav	nav	nav
Post Office	1	16,536	10,261	nav	29.5
Treasury	1	3,957	604	nav	38.3
Total	1,685	46,361	67,335	nav	330.8
<i>of which:</i>					
<i>virtual institutions</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Branches of foreign banks	95	nav	nav	nav	nav

¹ Number of accounts associated with internet services (credit transfers, payment of bills, etc carried via the internet).

Table 6
Payment card functions and accepting devices¹
 End of year

	1996	1997	1998	1999	2000
Cash function					
Cards with a cash function (thousands) ²	27,219	30,156	33,861	37,563	40,945
Number of networks	nav	nav	nav	nav	nav
Number of ATMs with a cash dispensing function	24,531	27,077	29,407	32,445	35,162
<i>of which:</i>					
<i>open access³</i>	14,473	18,368	28,922	32,195	34,990
<i>limited access³</i>	10,058	8,709	485	250	172
Volume of transactions (millions)	766	835	930	1,026	1,082
<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) ³	46	49	53	63	66
<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
Volume of transactions	nav	nav	nav	nav	nav
Value of transactions	nav	nav	nav	nav	nav
Debit function⁴					
Cards with a debit function (thousands)	25,510	27,703	30,268	33,499	36,908
<i>of which: retailer cards</i>	nav	nav	nav	nav	nav
Number of networks	nav	nav	nav	nav	nav
Number of terminals	662,950	680,413	723,388	799,530	839,030
Volume of transactions (millions)	2,103	2,334	2,621	2,912	3,292
<i>of which: transactions with retailer cards</i>	nav	nav	nav	nav	nav
Value of transactions (EUR billions)	101	108	108	135	153
<i>of which: transactions with retailer cards</i>	nav	nav	nav	nav	nav
Credit function					
Cards with a credit function	nav	nav	nav	nav	nav
Number of networks	nav	nav	nav	nav	nav
Number of terminals	662,950	680,413	723,388	799,530	839,030
Volume of transactions	nav	nav	nav	nav	nav
Value of transactions	nav	nav	nav	nav	nav
Electronic money function	nav	nav	nav	nav	nav
Delayed debit cards (charge cards)					
Cards with a delayed debit function	nav	nav	nav	nav	nav
Number of terminals	662,950	680,413	723,388	799,530	839,030
Volume of transactions	nav	nav	nav	nav	nav
Value of transactions	nav	nav	nav	nav	nav

¹ The data refer to the activity within the Groupement des Cartes Bancaires network. ² The data are identical to the total number of cards in circulation. ³ Breaks in series. ⁴ The data refer to both debit and credit functions.

Table 7
**Payment instructions handled by selected interbank funds transfer systems:
 volume of transactions¹**
 In millions

	1996	1997	1998	1999	2000
Clearing houses	3,633.8	3,623.0	3,600.4	3,346.5	3,453.9
<i>of which:</i>					
<i>Cheques Paris</i>	709.8	689.6	683.9	683.7	682.2
<i>Cheques Province</i>	2,920.5	2,931.1	2,915.3	2,662.8	2,771.7
<i>Credit transfers</i>	0.3	0.1	1.1	nap	nap
<i>Avals de trésorerie</i>	0.2	0.1	neg	nap	nap
<i>Large-value credit transfers</i>	3.0	2.1	0.1	nap	nap
CREIC ²	293.0	285.2	285.3	296.7	303.0
SIT ³	3,939.9	4,919.6	5,410.5	5,913.8	6,485.3
<i>of which:</i>					
<i>Credit transfers</i>	1,166.4	1,242.4	1,322.6	1,383.2	1,473.5
<i>LCR and paperless bills of exchange</i>	129.3	124.8	125.2	121.2	116.5
<i>Direct debits</i>	927.6	987.2	1,098.9	1,219.2	1,327.9
<i>Titres Interbancaires de Paiement</i>	114.4	122.3	129.4	131.6	134.0
<i>Telepayments</i>	0.2	0.2	0.3	0.4	0.6
<i>Card payments</i>	1,130.1	1,922.2	2,164.7	2,443.5	2,781.6
<i>ATM withdrawals</i>	472.0	520.3	569.4	614.6	651.2
Cartes bancaires ⁴	775.0	nap	nap	nap	nap
<i>of which:</i>					
<i>ATM withdrawals</i>	10.5	nap	nap	nap	nap
<i>Card payments</i>	764.5	nap	nap	nap	nap
Banque de France ⁵	15.0	1.6	0.4	nap	nap
<i>of which:</i>					
<i>Public treasury transfers</i>	13.8	0.5	0	nap	nap
<i>Large-value credit transfers</i>	0.7	0.6	0.1	nap	nap
<i>Telegraphic credit transfers</i>	0.5	0.5	0.3	nap	nap
SAGITTAIRE ⁵	4.7	4.7	1.3	nap	nap
TBF (domestic and cross-border)	0	0.1	0.6	2.3	3.0
PNS	0	0.5	5.5	5.2	5.5
Concentration ratio (in %)⁶	nap	nav	nav	50.7	54.7

¹ Customer and interbank transactions. ² Centres Régionaux d'Échanges d'Images-Chèques (truncated cheques).
³ Système Interbancaire de Télécompensation - ACH. ⁴ In the course of 1996, the exchange of card payments and ATM withdrawals was transferred to the SIT. ⁵ Closed during 1998. ⁶ Market share of the five largest participants in TBF.

Table 8
**Payment instructions handled by selected interbank funds transfer systems:
 value of transactions¹**
 In billions of EUR

	1996	1997	1998	1999	2000
Clearing houses	20,248.4	13,663.5	2,126.1	1,901.1	1,889.3
<i>of which:</i>					
<i>Cheques Paris</i>	733.8	699.8	751.8	830.5	726.0
<i>Cheques Province</i>	1,075.6	1,061.1	1,110.5	1,070.6	1,163.3
<i>Credit transfers</i>	18.9	1.6	29.9	27.9	nap
<i>Avals de trésorerie</i>	8,461.7	4,895.4	27.4	nap	nap
<i>Large-value credit transfers</i>	9,958.1	7,005.7	206.5	nap	nap
CREIC ²	24.8	23.7	25.2	28.1	25.9
SIT ³	1,940.7	2,090.1	2,219.7	2,348.1	2,458.4
<i>of which:</i>					
<i>Credit transfers</i>	1,131.2	1,288.4	1,369.3	1,459.2	1,521.1
<i>LCR and paperless bills of exchange</i>	454.0	433.8	446.9	444.2	446.3
<i>Direct debits</i>	209.2	219.3	238.0	260.8	285.7
<i>Titres Interbancaires de Paiement</i>	27.6	32.2	36.0	38.0	38.9
<i>Telepayments</i>	0.1	0.7	1.3	3.7	6.3
<i>Card payments</i>	92.4	89.1	99.5	111.4	127.5
<i>ATM withdrawals</i>	26.2	26.5	28.7	30.8	32.7
Cartes bancaires ⁴	40.2	nap	nap	nap	nap
<i>of which:</i>					
<i>ATM withdrawals</i>	1.1	nap	nap	nap	nap
<i>Card payments</i>	39.2	nap	nap	nap	nap
Banque de France ⁵	5,363.0	4,208.4	498.8	nap	nap
<i>of which:</i>					
<i>Public treasury transfers</i>	74.0	32.2	0	nap	nap
<i>Large-value credit transfers</i>	3,739.9	2,987.5	224.9	nap	nap
<i>Telegraphic credit transfers</i>	1,495.5	1,222.3	277.2	nap	nap
SAGITTAIRE ⁵	17,361.8	18,351.4	4,507.3	nap	nap
TBF (domestic)	0	4,377.3	41,820.0	51,918.2	52,804.7
PNS	0	7,257.8	36,162.0	24,041.0	21,844.9
Concentration ratio (in %)⁶	nap	nav	nav	51.5	48.4

¹ Customer and interbank transactions. ² Centres Régionaux d'Échanges d'Images-Chèques (truncated cheques).
³ Système Interbancaire de Télécompensation - ACH. ⁴ In the course of 1996, the exchange of card payments and ATM withdrawals was transferred to the SIT. ⁵ Closed during 1998. ⁶ Market share of the five largest participants in TBF.

Table 9
**Indicators of use of various cashless payment instruments:
 volume of transactions¹**
 In millions

	1996	1997	1998	1999	2000
Instruments					
Cheques	4,952	4,903	4,825	4,480	4,494
<i>of which:</i>					
face-to-face ²	4,952	4,903	4,825	4,480	4,494
PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Payments by debit card ^{3,4}	2,103	2,334	2,621	2,912	3,292
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Payments by credit card	nav	nav	nav	nav	nav
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Credit transfers ²	1,785	1,860	1,952	2,051	2,094
<i>of which:</i>					
face-to-face	1,785	1,860	1,951	2,050	2,093
PC or other terminal	neg	neg	neg	neg	1
telebanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Direct debits	1,344	1,430	1,578	1,731	1,969
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
PC or other terminal	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Card-based electronic money	nav	nav	nav	nav	nav
Network-based electronic money	nav	nav	nav	nav	nav
Total	10,184	10,527	10,976	11,172	11,848

¹ Contains all customer transactions irrespective of whether they are processed intra- or interbank and includes items initiated by banks. ² Break in series. ³ Includes delayed and credit cards. ⁴ Figures for 1999 have been revised.

Table 10
**Indicators of use of various cashless payment instruments:
 value of transactions¹**
 In billions of EUR

	1996	1997	1998	1999	2000
Instruments					
Cheques	2,251	2,237	2,318	2,356	2,278
<i>of which:</i>					
<i>face-to-face²</i>	2,251	2,237	2,318	2,356	2,278
<i>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card ^{3,4}	103	111	124	135	153
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by credit card	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers ²	53,161	54,758	84,900	78,091	76,871
<i>of which:</i>					
<i>face-to-face</i>	53,161	54,751	84,898	78,087	76,864
<i>PC or other terminal</i>	<i>neg</i>	1	1	4	6
<i>telebanking</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits	434	479	525	575	603
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Card-based electronic money	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nav</i>	<i>nav</i>
Network-based electronic money	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nav</i>	<i>nav</i>
Total	55,948	57,585	87,867	81,156	79,905

¹ Contains all customer transactions irrespective of whether they are processed intra- or interbank and includes items initiated by banks. ² Break in series. ³ Includes delayed and credit cards. ⁴ Figures for 1999 have been revised.

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

	1996	1997	1998	1999	2000
Trading platforms					
Euronext Paris	26	37	45	59	98
Clearing houses					
Banque Centrale de compensation (Clearnet SA) ¹	26	37	45	55	89
Securities settlement systems					
Euroclear France	15	18	22	28	41

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

Table 11b
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:
value of transactions**
In billions of EUR

	1996	1997	1998	1999	2000
Trading platforms					
Euronext Paris	221	370	513	723	1,165
Clearing houses					
Clearnet SA ¹	221	370	513	1,049	1,205
Securities settlement systems					
Euroclear France	19,521	22,843	32,250	38,891	36,835

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**

	1996	1997	1998	1999	2000
Trading platforms					
Euronext Paris	nav	nav	nav	286	203
Banks	nav	217	217	93	nav
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	51	nav
<i>foreign</i>	nav	nav	nav	42	nav
Broker/dealer	nav	25	37	193	nav
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	99	nav
<i>foreign</i>	nav	nav	nav	94	nav
Clearing houses					
Clearnet SA	nav	nav	nav	71	59
Banks	nav	nav	nav	28	nav
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	23	nav
<i>foreign</i>	nav	nav	nav	5	nav
Broker/dealer	nav	nav	nav	43	nav
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	38	nav
<i>foreign</i>	nav	nav	nav	5	nav
Securities settlement systems					
Euroclear (RGV + Relit)	668	638	630	679	659
<i>of which:</i>					
<i>direct participants</i>	381	357	371	341	335

Table 11d
Outstanding securities
 End of year

	1996	1997	1998	1999	2000
Euroclear France					
Value of equities held (EUR billions)	497	638	839	1,421	1,511
Value of other securities held (EUR billions)	1,068	1,467	1,663	1,841	1,995
Number of equities held	1,371	1,340	1,405	1,502	1,557
Number of other securities held	6,273	16,286	18,256	19,829	22,146
Euronext France					
Value of equities listed (EUR billions)	469	620	844	1,499	1,549
Value of other securities listed (EUR billions)	691	713	760	764	779
Number of equities listed	897	924	1,097	1,144	1,185
Number of other securities listed	2,024	1,897	1,659	1,533	1,313

Table 11e
Netting ratio in clearing systems

	1996	1997	1998	1999	2000
Cleernet SA					
Netting ratio for cash over year	67.0	71.0	74.0	77.0	65.0
Netting ratio for securities over year	99.2	99.5	99.6	99.7	95.0

Table 12
Participation in SWIFT by domestic institutions

	1996	1997	1998	1999	2000
Members	107	105	102	65	68
<i>of which: live</i>	101	102	97	65	67
Sub-members	103	103	100	100	99
<i>of which: live</i>	100	103	100	98	97
Participants	10	40	54	89	88
<i>of which: live</i>	7	32	50	86	84
Total users	220	248	256	254	255
<i>of which: live</i>	211	245	251	252	252
<i>Memorandum item:</i>					
Total SWIFT users	5,918	6,372	6,771	6,991	7,293
<i>members</i>	3,014	3,070	3,052	2,230	2,307
<i>sub-members</i>	2,500	2,621	2,781	2,825	3,037
<i>participants</i>	404	681	938	1,936	1,949

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	43,779,359	48,756,990	56,257,693	58,996,665	71,129,963
<i>of which:</i>					
<i>category I</i>	11,084,517	12,137,346	13,701,758	16,617,961	20,521,605
<i>category II</i>	14,291,099	15,400,655	15,345,713	12,392,976	12,832,677
Total messages received	40,737,035	45,940,168	53,393,461	58,640,344	67,257,022
<i>of which:</i>					
<i>category I</i>	11,534,499	12,943,528	14,737,823	18,424,258	22,361,878
<i>category II</i>	14,011,490	14,688,233	14,872,003	12,561,331	12,802,246
Domestic traffic	13,992,286	15,992,898	18,931,262	16,804,963	20,520,170
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population (thousands) ¹	81,896	82,053	82,024	82,087	82,168
GDP (EUR billions) ²	1,878.2	1,863.5	1,916.4	1,974.2	2,025.5
GDP per capita (EUR) ²	22,934	22,711	23,364	24,050	24,651
Exchange rate (DEM/USD): ³					
<i>year-end</i>	1.5548	1.7921	1.6730	1.9469	2.1019
<i>average</i>	1.5037	1.7348	1.7592	1.8351	2.1176
Exchange rate (EUR/USD): ⁴					
<i>year-end</i>	(0.7988)	(0.9068)	(0.8554)	0.99542	1.07469
<i>average</i>	(0.7875)	(0.8831)	(0.8934)	0.93826	1.08272

¹ Average for the year. ² Prior to 1999, converted using the DEM/ECU exchange rate (see also footnote 3). Thereafter, and for all other data in these country tables which are expressed in euro, the irrevocable conversion rate (see footnote 3 below) of 1.95583 DEM/EUR has been used. ³ Irrevocable conversion rates were adapted with the introduction of the euro on 1 January 1999. ⁴ Figures in brackets are ECU/USD. On 31 December 1998, 1 EUR was set to equal 1 ECU.

Table 2
Settlement media used by non-banks
End of year, in billions of EUR

	1996	1997	1998	1999	2000
Notes and coin	125.9	126.0	123.7	130.3	125.1
Transferable deposits	331.0	339.0	389.7	426.5	448.7
<i>of which held by:</i>					
<i>households</i>	198.9	208.8	236.9	263.5	268.7
<i>corporate sector</i>	117.7	118.2	139.7	148.6	164.9
<i>other</i>	14.4	12.0	13.1	14.4	15.1
Narrow money supply (M1)	456.9	465.0	513.4	556.8	573.8
<i>Memorandum items:</i>					
Broad money supply (M3)	1,115.5	1,155.4	1,240.2	1,420.4	1,419.1
Transferable deposits in foreign currencies	nav	nav	nav	9.0	8.5
Outstanding value on e-money schemes	neg	neg	0.1	0.1	0.1
<i>of which:</i>					
<i>on card-based products</i>	neg	neg	0.1	0.1	0.1
<i>on network-based products</i>	nav	nav	nav	nav	nav

Table 3
Settlement media used by banks
 End of year, in billions of EUR

	1996	1997	1998	1999	2000
Transferable balances held at central bank	20.2	21.4	23.7	33.3	35.5
<i>of which:</i>					
<i>required reserves</i>	19.8	21.0	23.4	33.0	35.3
<i>free reserves</i>	0.4	0.4	0.3	0.3	0.2
Transferable balances held at other banks ¹	205.1	218.6	241.6	114.4	113.4
<i>Memorandum item:</i>					
Institutions' borrowing from central bank ²	1.7	1.4	2.6	9.4	0.6

¹ Until 1998, including fixed-term deposits below one month. ² Marginal lending facility.

Table 4
Banknotes and coin
 End of year, in billions of EUR and DEM

	1996		1997		1998		1999		2000	
	EUR	DEM	EUR	DEM	EUR	DEM	EUR	DEM	EUR	DEM
Total banknotes issued	133.2	260.4	133.3	260.7	130.5	255.3	140.1	274.1	134.0	262.1
<i>of which:</i>										
<i>DEM 1,000</i>	44.3	86.6	45.2	88.5	44.3	86.6	47.8	93.5	45.6	89.2
<i>DEM 500</i>	14.2	27.8	14.2	27.7	13.5	26.5	14.2	27.8	13.6	26.6
<i>DEM 200</i>	5.2	10.1	4.7	9.3	4.3	8.4	4.1	8.0	3.7	7.1
<i>DEM 100</i>	51.2	100.1	50.9	99.5	50.2	98.2	54.4	106.4	52.0	101.8
<i>DEM 50</i>	11.2	21.9	11.0	21.6	10.9	21.4	11.8	23.0	11.1	21.8
<i>DEM 20</i>	4.3	8.5	4.4	8.6	4.4	8.7	4.9	9.5	4.9	9.7
<i>DEM 10</i>	2.6	5.1	2.7	5.2	2.7	5.2	2.9	5.6	2.9	5.7
<i>DEM 5</i>	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.2	0.3
Total coin issued	7.8	15.3	7.9	15.5	8.1	15.7	8.2	15.9	8.2	16.0
<i>of which:</i>										
<i>DEM 10</i>	1.2	2.4	1.3	2.5	1.3	2.6	1.3	2.6	1.4	2.7
<i>DEM 5</i>	2.9	5.7	2.9	5.7	2.9	5.7	2.9	5.7	2.9	5.7
<i>DEM 2</i>	1.1	2.2	1.2	2.3	1.2	2.3	1.2	2.4	1.2	2.4
<i>DEM 1</i>	1.2	2.3	1.2	2.3	1.2	2.3	1.2	2.3	1.2	2.3
<i>DEM 0.50</i>	0.6	1.1	0.5	1.1	0.6	1.1	0.6	1.1	0.6	1.2
<i>DEM 0.10</i>	0.5	1.0	0.5	1.0	0.5	1.0	0.6	1.1	0.6	1.1
<i>DEM 0.05</i>	0.1	0.3	0.2	0.3	0.2	0.3	0.2	0.3	0.1	0.3
<i>DEM 0.02</i>	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1	0.1
<i>DEM 0.01</i>	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2	0.1	0.2
Total banknotes and coin issued	141.0	275.7	141.2	276.2	138.6	271.0	148.3	290.0	142.2	278.1
Banknotes and coin held by credit institutions	15.1	29.5	15.2	29.8	14.9	29.1	18.0	35.2	17.1	33.4
Banknotes and coin in circulation outside credit institutions	125.9	246.2	126.0	246.4	123.7	241.9	130.3	254.8	125.1	244.7

Table 5
Institutional framework
 End of 2000

Categories	Number of institutions	Number of branches	Number of accounts (thousands) ¹	Number of internet-linked accounts ²	Value of accounts (EUR billions)
Central bank ³	1	130	36	0	0.5
Credit institutions	2,734	55,980	86,531	15,130	443.2
<i>of which:</i>					
<i>commercial banks</i> ⁴	361	20,720	22,392	8,530	182.1
<i>savings banks</i>	575	18,105	39,719	4,200	170.0
<i>cooperative and rural banks</i>	1,798	17,155	24,420	2,400	91.1
Total	2,735	56,110	86,567	15,130	443.7
<i>of which:</i>					
<i>virtual institutions</i>	1	<i>nav</i>	6	6	<i>nav</i>
Branches of foreign banks	87	167	<i>nav</i>	<i>nav</i>	2.7

¹ Partly estimated. Includes number of internet linked accounts. ² Number of accounts relating to internet services (credit transfers, payments of bills, etc) carried out via the internet. ³ As a legal entity the Deutsche Bundesbank comprises the Central Office (in Frankfurt am Main) and nine Land Central Banks as well as 129 branches. ⁴ Including mortgage banks, instalment sales with special functions and Deutsche Postbank AG.

Table 6
Payment card functions and accepting devices
 End of year

	1996	1997	1998	1999	2000
Cash function					
Cards with a cash function (thousands)	80,454	84,960	91,324	99,250	106,323
Number of networks	4	4	4	4	4
Number of ATMs with a cash dispensing function	37,600	41,397	45,615	46,200	47,650
<i>of which:</i>					
<i>open access</i>	37,600	41,397	45,615	46,200	47,650
<i>limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Volume of transactions (millions)	1,251.8	<i>nav</i>	1,405.5	1,513.2	1,679.7
<i>of which:</i>					
<i>at ATMs with open access</i>	1,251.8	<i>nav</i>	1,405.5	1,513.2	1,679.7
<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)	177.9	<i>nav</i>	214.2	221.6	244.8
<i>of which:</i>					
<i>at ATMs with open access</i>	177.9	<i>nav</i>	214.2	221.6	244.8
<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	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Volume of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Debit function¹					
Cards with a debit function (thousands)	71,814	75,760	81,145	90,210	99,177
<i>of which: retailer cards</i>	4,900	5,000	5,000	8,000	10,600
Number of networks	19	22	26	28	29
Number of terminals	157,068	251,794	362,808	472,902	591,280
Volume of transactions (millions) ²	214.2	225.8	675.2	860.3	1,037.1
<i>of which: 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) ²	16.7	14.8	51.4	64.4	76.1
<i>of which: transactions with retailer cards</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)	13,540	14,200	15,179	17,040	17,747
<i>of which: 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 ⁵	1,000,000	1,100,000	1,141,066	1,219,189	1,351,596
Volume of transactions (millions)	289.9	303.4	317.4	338.1	351.6
<i>of which: 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)	30.0	32.1	28.9	31.6	33.5
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

Table 6 (cont)

	1996	1997	1998	1999	2000
Electronic money function					
Cards with an e money function (thousands)	22,000	35,000	60,700	60,700	60,700
Number of accepting terminals	1,000	50,000	60,000	59,732	66,946
Number of networks	1	1	1	1	1
Number of purchase transactions (millions)	neg	4	14	21	27
Value of purchase transactions (EUR billions)	neg	neg	0.1	0.1	0.1
Number of loading transactions (millions)	neg	1.6	2.4	3.1	3.7
Number of loading terminals	nav	nav	22,000	22,468	24,502
Value of money loaded (EUR billions)	neg	nav	0.1	0.1	0.1
Float (EUR billions)	nav	nav	0.1	0.1	0.1
Delayed debit cards (charge cards)⁶					
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	85,354	89,960	96,324	107,250	116,923
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function</i>	nav	nav	60,700	60,700	60,700
<i>cards with a cheque guarantee function</i>	39,937	41,720	43,845	45,408	51,247

¹ Figures partly collected by Eurohandelsinstitut e.V., PaySys GmbH and Zentraler Kreditausschuss (ZKA). ² In 1996 POS and POZ procedures only. In 1997 POS procedure only. From 1998 POS, POZ and ELV procedures. ³ Usually cards with a delayed debit function (charge cards). The German word "Kreditkarte" is used for both credit and charge cards. ⁴ From 1998 a broader range of figures available. ⁵ The sum of the number of accepting terminals reported by the individual credit card institutions. This may result in double counting. ⁶ See credit cards.

Table 7
**Payment instructions handled by selected interbank funds transfer systems:
 volume of transactions^{1,2}**
 In millions

	1996	1997	1998	1999	2000
Domestic payments	2,306.1	2,278.8	2,286.5	2,204.3	2,257.4
Retail payments	2,276.1	2,244.9	2,250.4	2,176.2	2,226.6
Maschinell-optische Beleglesung (MAOBE) ³	77.9	27.7	11.1	nap	nap
Collection items ⁴	20.2	16.8	11.1	nap	nap
Credit transfers ⁵	57.7	10.9	nap	nap	nap
Retail Payment System (RPS) ⁶	2,198.1	2,217.2	2,239.3	2,176.2	2,226.6
Collection items ⁴	1,473.3	1,469.9	1,499.6	1,398.0	1,416.4
Credit transfers	724.8	747.3	739.7	778.2	810.2
Large-value payments	30.0	33.9	36.1	28.1	30.8
Gross-settlement procedures	10.3	11.2	13.5	16.0	17.8
Euro Link System (ELS) ⁷ - domestic payments	7.2	10.6	13.5	16.0	17.8
Platzüberweisungsverkehr ^{5,8}	3.1	0.6	nap	nap	nap
Net settlement procedures	19.7	22.7	22.6	12.1	13.0
Konventionelle Abrechnung ⁹	1.0	0.3	0.1	neg	neg
Collection items (conventional)	0.5	0.2	0.1	neg	neg
Local credit transfers (conventional) ⁵	0.5	0.1	nap	nap	nap
Euro Access Frankfurt (EAF) ¹⁰	18.8	22.4	22.5	12.1	13.0
Cross-border payments	nav	nav	nav	7.6	8.8
Retail payments	nav	nav	nav	4.7	4.9
MASSE	nav	nav	nav	4.7	4.9
Large-value payments	nav	nav	nav	2.9	3.9
AZV	nav	nav	nav	0.2	0.2
ELS - cross border TARGET payments	nav	nav	nav	2.7	3.7
Concentration ratio¹¹	nav	nav	nav	nav	nav

¹ The table contains both customer and interbank transactions. ² This table does not include figures relating to interbank funds transfer systems which are not operated by the Deutsche Bundesbank. ³ Machine-optical voucher reading, excluding payments (cheques, direct debits and credit transfers) submitted in a paper-based form which were truncated and passed on in a paperless form by the Bank. ⁴ Introduction of a general truncation obligation for: all direct debits in 1993; cheques for amounts < DEM 5,000 (BSE-cheques) in 1998. Cheques for amounts ≥ DEM 5,000 (GSE-cheques) are truncated by the Bundesbank exclusively. ⁵ Closedown of the systems due to a general truncation obligation for all credit transfers in July 1997. ⁶ 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). ⁷ Formerly EIL-ZV (express electronic credit transfer system). ⁸ Express paper-based local credit transfer system. ⁹ Daily local clearing system (settled delivery envelopes (clearing items)). ¹⁰ Formerly EAF2. ¹¹ Market share of the five largest payment systems service providers; based on the total volume of transactions.

Table 8
**Payment instructions handled by selected interbank funds transfer systems:
 value of transactions^{1,2}**
 In billions of EUR

	1996	1997	1998	1999	2000
Domestic payments	99,487.8	113,844.1	118,693.9	63,656.5	67,767.7
Retail payments	2,366.5	2,321.5	2,267.2	2,241.0	2,244.7
Maschinell-optische Beleglesung (MAOBE) ³	123.1	111.9	75.6	nap	nap
Collection items ⁴	114.8	110.1	75.6	nap	nap
Credit transfers ⁵	8.3	1.8	nap	nap	nap
Retail Payment System (RPS) ⁶	2,243.4	2,209.7	2,191.6	2,241.3	2,244.7
Collection items ⁴	1,622.6	1,556.8	1,522.8	1,508.0	1,466.0
Credit transfers	620.8	652.8	668.8	733.0	778.7
Large-value payments	97,121.3	111,522.6	116,426.7	61,415.5	65,523.0
Gross-settlement procedures	16,675.0	18,085.8	20,129.1	22,374.6	24,001.0
Euro Link System (ELS) ⁷	14,696.1	17,074.8	20,129.1	22,374.6	24,001.0
Platzüberweisungsverkehr ^{5,8}	1,978.9	1,011.0	nap	nap	nap
Net settlement procedures	80,446.3	93,436.8	96,297.7	39,040.9	41,522.0
Konventionelle Abrechnung ⁹	2,009.3	551.1	44.5	neg	neg
Collection items (conventional)	317.4	140.7	44.5	neg	neg
Local credit transfers (conventional) ⁵	1,691.9	410.5	nap	nap	nap
Euro Access Frankfurt (EAF) ¹⁰	78,437.0	92,885.7	96,253.2	39,040.9	41,522.0
Cross-border payments	nav	nav	nav	24,717.8	28,421.7
Retail payments	nav	nav	nav	1.8	1.9
MASSE	nav	nav	nav	1.8	1.9
Large-value payments	nav	nav	nav	24,716.0	28,419.8
AZV	nav	nav	nav	144.6	125.4
TARGET	nav	nav	nav	24,571.4	28,294.4
Concentration ratio¹¹	nav	nav	nav	nav	nav

¹ The table contains both customer and interbank transactions. ² This table does not include figures relating to interbank funds transfer systems which are not operated by the Deutsche Bundesbank. ³ Machine-optical voucher reading, excluding payments (cheques, direct debits and credit transfers) submitted in a paper-based form which were truncated and passed on in a paperless form by the Bank. ⁴ Introduction of a general truncation obligation for: all direct debits in 1993; cheques for amounts < DEM 5,000 (BSE-cheques) in 1998. Cheques for amounts ≥ DEM 5,000 (GSE-cheques) are truncated by the Bundesbank exclusively. ⁵ Closedown of the systems due to a general truncation obligation for all credit transfers in July 1997. ⁶ 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). ⁷ Formerly EIL-ZV (express electronic credit transfer system). ⁸ Express paper-based local credit transfer system. ⁹ Daily local clearing system (settled delivery envelopes (clearing items)). ¹⁰ Formerly EAF2. ¹¹ Market share of the five largest payment systems service providers; based on the total volume of transactions.

Table 9
**Indicators of use of various cashless payment instruments:
 volume of transactions¹**
 In millions

	1996	1997	1998	1999	2000
Instruments					
Cheques	772.0	729.0	656.1	475.7	436.6
<i>of which:</i>					
face-to-face	772.0	729.0	656.1	475.7	436.6
PC or other terminal ²	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Payments by debit card ³	214.2	225.8	675.2	860.3	1,037.1
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
PC or other terminal ²	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Payments by credit card ⁴	289.9	303.4	317.4	338.1	351.6
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
PC or other terminal ²	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Credit transfers	5,885.0	6,152.0	6,879.7	7,679.5	7,132.9
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
PC or other terminal ²	nav	nav	nav	nav	311.4
televanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Direct debits	4,828.8	5,393.2	5,079.2	5,239.5	5,532.1
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
PC or other terminal ²	nav	nav	nav	nav	nav
televanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Card-based electronic money	0.2	4.2	13.6	20.7	26.6
Network-based electronic money	neg	neg	neg	neg	neg
Total	11,990.1	12,807.6	13,621.2	14,613.8	14,516.9

¹ This table contains all customer transactions irrespective of whether they are processed intra- or interbank. ² Payments through the internet or a fixed line network. ³ In 1996, POS and POZ procedures only. In 1997, POS procedures only. From 1998, POS, POZ and ELV procedures. ⁴ Usually cards with a delayed debit function (see Table 6).

Table 10
**Indicators of use of various cashless payment instruments:
 value of transactions¹**
 In billions of EUR

	1996	1997	1998	1999	2000
Instruments					
Cheques	2,114.2	2,047.7	1,945.3	1,102.2	1,036.2
<i>of which:</i>					
face-to-face	2,114.2	2,047.7	1,945.3	1,102.2	1,036.2
PC or other terminal ²	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Payments by debit card ³	16.7	14.8	51.4	64.4	76.1
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
PC or other terminal ²	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Payments by credit card ⁴	30.0	32.1	28.9	31.6	33.5
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
PC or other terminal ²	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Credit transfers	19,099.8	20,534.5	21,428.7	23,723.5	26,471.2
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
PC or other terminal ²	nav	nav	nav	nav	258.3
telebanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Direct debits	2,844.0	3,263.1	3,670.5	3,361.9	3,065.0
<i>of which:</i>					
face-to-face	nav	nav	nav	nav	nav
PC or other terminal ²	nav	nav	nav	nav	nav
telebanking	nav	nav	nav	nav	nav
mobile phone	nav	nav	nav	nav	nav
Card-based electronic money	nav	nav	0.1	0.1	0.1
Network-based electronic money	nav	nav	nav	neg	neg
Total	24,104.7	25,892.2	27,124.9	28,283.7	30,682.0

¹ This table contains all customer transactions irrespective of whether they are processed intra- or interbank. ² Payments through the internet or a fixed line network. ³ In 1996, POS and POZ procedures only. In 1997, POS procedures only. From 1998, POS, POZ and ELV procedures. ⁴ Usually cards with a delayed debit function (see Table 6).

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

	1996	1997	1998	1999	2000
Trading platforms					
Xetra					
Number of trades	<i>nav</i>	<i>nav</i>	<i>nav</i>	15.8	39.0
Number of units	<i>nav</i>	<i>nav</i>	<i>nav</i>	53,875.5	49,584.6
Frankfurt (Floor)					
Number of trades	<i>nav</i>	<i>nav</i>	<i>nav</i>	15.8	39.0
Number of units	<i>nav</i>	<i>nav</i>	<i>nav</i>	53,875.5	49,584.6
Clearing houses					
Eurex ¹					
Volume of contracts traded	127.6	152.0	248.2	379.1	454.1
Volume of trades	4.5	6.3	10.5	17.3	20.4
Securities settlement systems					
Clearstream Banking Frankfurt					
Volume of trades cleared	20.6	31.2	58.0	73.2	125.0

¹ Prior to 28 September 1998, DTB + Soffex.

Table 11b
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:
value of transactions**
In billions of EUR

	1996	1997	1998	1999	2000
Trading platforms					
Xetra	<i>nav</i>	<i>nav</i>	<i>nav</i>	1,169.3	1,982.9
Frankfurt (Floor)	<i>nav</i>	<i>nav</i>	<i>nav</i>	2,907.5	3,218.3
Clearing houses					
Eurex ¹					
Value	<i>nav</i>	11,633.8	23,768.1	34,975.3	36,459.3
Securities settlement systems					
Clearstream Banking Frankfurt					
Value of trades cleared	8,201.1	9,637.9	12,853.4	14,400.0	<i>nav</i>

¹ Prior to 28 September 1998, DTB + Soffex.

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

	1996	1997	1998	1999	2000
Trading platforms	nav	nav	nav	nav	nav
Clearing houses					
Eurex ¹	210	226	313	414	428
Securities settlement systems					
Clearstream Banking Frankfurt	nav	nav	nav	322	420
<i>of which:</i>					
<i>Banks</i>	nav	nav	nav	253	343
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	241	288
<i>foreign</i>	nav	nav	nav	12	55
<i>Broker/dealer</i>	nav	nav	nav	42	38
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	35	28
<i>foreign</i>	nav	nav	nav	7	10
<i>Others</i>	nav	nav	nav	0	13
<i>CSDs, global + local custodians</i>	nav	nav	nav	17	16
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	5	5
<i>foreign</i>	nav	nav	nav	12	13
<i>Central banks, government institutions</i>	nav	nav	nav	10	10
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	10	10
<i>foreign</i>	nav	nav	nav	0	0

¹ Prior to 28 September 1998, DTB + Soffex.

Table 11d
Outstanding securities
 End of year

	1996	1997	1998	1999	2000
Clearstream Banking Frankfurt					
Value of securities issued	nap	nap	nap	nap	nap
Volume of securities issued	nap	nap	nap	nap	nap
Value of securities registered	nap	nap	nap	nap	nap
Volume of securities registered	nap	nap	nap	nap	nap
Total value of securities under custody (EUR billions)	nav	nav	nav	5,509.4	5,348.1
<i>of which:</i>					
<i>Value of stocks under custody</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>1,386.6</i>	<i>2,458.2</i>
<i>Value of other securities under custody</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>4,122.8</i>	<i>2,889.9</i>
Total number of securities under custody (millions)	nav	nav	nav	166.4	145.2
<i>of which:</i>					
<i>Number of stocks under custody</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>71.5</i>	<i>58.1</i>
<i>Number of other securities under custody</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>94.9</i>	<i>87.1</i>

Table 11e
Netting ratio in clearing systems

Details are not available.

Table 12
Participation in SWIFT by domestic institutions

	1996	1997	1998	1999	2000
Members	156	155	154	120	118
<i>of which: live</i>	155	154	154	119	118
Sub-members	100	104	109	105	108
<i>of which: live</i>	94	101	104	102	106
Participants	8	11	13	46	47
<i>of which: live</i>	4	8	10	43	45
Total users	264	270	276	271	273
<i>of which: live</i>	253	263	268	264	269
<i>Memorandum item:</i>					
Total SWIFT users	5,918	6,372	6,771	6,991	7,293
<i>members</i>	3,014	3,070	3,052	2,230	2,307
<i>sub-members</i>	2,500	2,621	2,781	2,825	3,037
<i>participants</i>	404	681	938	1,936	1,949

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	47,803,674	55,873,558	61,963,751	73,862,434	90,318,753
<i>of which:</i>					
<i>category I</i>	16,493,249	17,731,609	19,351,531	25,248,905	28,422,609
<i>category II</i>	8,564,736	9,177,317	9,690,958	11,018,561	11,894,325
Total messages received	59,246,442	66,287,028	72,099,434	74,208,467	88,852,102
<i>of which:</i>					
<i>category I</i>	18,627,409	20,146,525	21,958,781	28,052,568	31,699,774
<i>category II</i>	25,231,632	28,261,324	29,076,972	19,489,307	20,043,815
<i>Domestic traffic</i>	6,834,054	7,396,209	7,572,070	6,989,083	8,361,796
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population (mid-year, in thousands)	6,435.5	6,489.3	6,543.7	6,606.5	6,665.0
GDP (HKD billions)	1,192	1,324	1,259	1,228	1,267
GDP per capita (HKD)	185,206	204,007	192,446	185,826	190,124
Exchange rate (HKD/USD): <i>year-end</i>	7.736	7.746	7.746	7.771	7.796
<i>average</i>	7.734	7.742	7.745	7.758	7.791

Table 2
Settlement media used by non-banks
End of year, in billions of HKD

	1996	1997	1998	1999	2000
Notes and coin	77	81	81	100	92
Transferable deposits ¹	122	108	97	106	112
Other	nap	nap	nap	nap	nap
Narrow money supply (M1) ²	198	188	178	205	204
<i>Memorandum items:</i>					
Broad money supply (M3) ³	1,520	1,670	1,826	1,923	1,999
Transferable deposits in foreign currencies	19	20	19	20	40
Outstanding value on e-money schemes	nap	nap	nap	nap	nap

¹ Customers' demand deposits placed with licensed banks. ² Sum of notes and coin held by the public + customers' demand deposits with licensed banks. ³ Sum of M1 + customers' savings and time deposits with licensed banks + negotiable certificate of deposits (NCDs) issued by licensed banks held outside the banking sector + customer deposits with restricted license banks (RLBs) and deposit-taking companies (DTCs) + NCDs issued by RLBs and DTCs held outside the banking sector.

Table 3
Settlement media used by banks
End of year, in billions of HKD

	1996	1997	1998	1999	2000
Transferable balances held at central bank ¹	0.5	0.3	2.5	8.0	0.7
Transferable balances held at other banks	nap	nap	nap	nap	nap
<i>Memorandum item:</i>					
Institutions' borrowing from central bank ²	0	0	2.7	0.6	9.6

¹ Closing balance of the aggregate balance of settlement accounts. ² Discount window activities.

Table 4
Banknotes and coin
 End of year, in millions of HKD

	1996	1997	1998	1999	2000
Total banknotes issued	82,575	87,015	86,465	118,195	99,265
<i>of which:</i>					
1,000 dollars	35,276	34,161	35,011	54,868	39,828
500 dollars	24,514	27,527	26,859	35,934	31,799
100 dollars	12,535	13,550	12,891	15,193	14,673
50 dollars	1,936	2,377	2,275	2,475	2,657
20 dollars	3,237	4,243	4,314	4,670	5,338
10 dollars	5,077	5,157	5,115	5,055	4,970
Total coin issued	4,538	5,651	6,030	6,029	6,170
<i>of which:</i>					
10 dollars	1,045	1,236	1,259	1,315	1,380
5 dollars	1,011	1,323	1,323	1,344	1,394
2 dollars	897	1,152	1,219	1,195	1,214
1 dollars	665	833	956	927	935
50 cents	260	298	384	372	373
20 cents	165	200	263	251	247
10 cents	114	136	150	149	151
5 cents (demonetised)	5	5	5	5	5
1 cent (demonetised)	1	1	1	1	1
Commemorative coins	375	467	470	470	470
Total banknotes and coin issued	87,113	92,666	92,495	124,224	105,435
Banknotes and coin held by credit institutions ¹	10,597	12,077	11,321	24,705	13,674
Banknotes and coin in circulation outside authorised institutions	76,516	80,589	81,174	99,519	91,761

¹ Total banknotes and coin in vaults of licensed banks, restricted licence banks and deposit-taking companies.

Table 5
Institutional framework
 End of 2000

Categories	Number of institutions	Number of branches	Number of accounts	Number of internet-linked accounts	Value of accounts (HKD billions)
Central bank	1	0 ¹	151	0	0.7
Licensed banks	154	1,608	nav	nav	604.8 ²
Restricted license banks ³	48	71	nap ³	nap	nap
Deposit-taking companies ³	61	131	nap ³	nap	nap
Total	264	1,810	151	0	605.5
<i>of which:</i>					
<i>virtual institutions</i>	0	0	0	0	0
Branches of foreign banks:					
<i>Licensed banks</i>	123	567	nav	nav	nav
<i>Restricted license banks</i>	20	20	nap ³	nap	nap

¹ The HKMA has two overseas representative offices (London and New York). ² Demand and savings deposits only. ³ Under Hong Kong's three-tier banking system, RLBs and DTCs do not offer demand and savings deposit accounts to customers for making cashless retail payments.

Table 6
Payment card functions and accepting devices

Details are not available.

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

	1996	1997	1998	1999	2000
CHATS ¹					
HKD ²	2,927	3,322	3,156	3,151	3,410
USD ³	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	185 ⁴
of which: USD/HKD PVP ⁵	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	2
Cheques					
HKD	140,823	149,850	135,815	134,115	138,571
USD	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	0.7 ⁶
ECG ⁷					
HKD	43,358	49,483	50,721	52,589	57,134
USD	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	0.3 ⁴
Total					
HKD	187,108	202,655	189,692	189,855	199,114
USD	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	186
Concentration ratio (in %)	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

¹ CHATS is the acronym for Clearing House Automated Transfer System. It is a computer-based system designed for HKD interbank payments under the real-time gross settlement system (RTGS). ² RTGS was introduced for HKD interbank payments on 9 December 1996, with the HKMA as the settlement institution. Before the inception of RTGS, reported figures refer to the value of transaction in the account of the management bank of the Clearing House with the Exchange Fund. ³ CHATS for USD was introduced on 21 August 2000, following the launch of the USD RTGS system in Hong Kong. ⁴ From 21 August to 31 December 2000. ⁵ Payment versus Payment (PvP) for settling USD/HKD foreign exchange transactions. ⁶ USD cheque clearing was introduced on 18 December 2000. Figures are from 18 to 31 December 2000. ⁷ ECG means the various types of bulk electronic payments to be cleared and settled through the Clearing House on a multilateral netting basis.

Table 8
**Payment instructions handled by selected interbank funds transfer systems:
 value of transactions**
 In billions of HKD

	1996	1997	1998	1999	2000
CHATS ¹					
HKD ²	61,521	86,318	75,758	75,283	90,983
USD ³	nap	nap	nap	nap	1,888 ⁴
of which: USD/HKD Pvp ⁵	nap	nap	nap	nap	667
Cheques					
HKD	12,563	12,288	5,890	5,348	6,092
USD	nap	nap	nap	nap	0.2 ⁶
ECG ⁷					
HKD	4,673	8,685	6,330	5,528	8,608
USD	nap	nap	nap	nap	26 ⁴
Total					
HKD	78,757	107,291	87,979	86,160	105,683
USD	nap	nap	nap	nap	1,915
Concentration ratio (in %) ⁸	nav	40	41	44	48

¹ CHATS is the acronym for Clearing House Automated Transfer System. It is a computer-based system designed for HKD interbank payments under the real-time gross settlement system (RTGS). ² RTGS was introduced for HKD interbank payments on 9 December 1996, with the HKMA as the settlement institution. Before the inception of RTGS, reported figures refer to the value of transaction in the account of the management bank of the Clearing House with the Exchange Fund. ³ CHATS for USD was introduced on 21 August 2000, following the launch of the USD RTGS system in Hong Kong. ⁴ From 21 August to 31 December 2000. ⁵ Payment versus Payment (PvP) for settling USD/HKD foreign exchange transactions. ⁶ USD cheque clearing was introduced on 18 December 2000. Figures are from 18 to 31 December 2000. ⁷ ECG means the various types of bulk electronic payments to be cleared and settled through the Clearing House on a multilateral netting basis. ⁸ For CHATS only.

Table 9
**Indicators of use of various cashless payment instruments:
 volume of transactions**
 In thousands

	1996	1997	1998	1999	2000
Instruments					
Cheques	140,823	149,850	135,815	134,115	138,571
of which: face-to-face	140,823	149,850	135,815	134,115	138,571
Payments by debit card	nav	nav	nav	nav	nav
Payments by credit card	nav	nav	nav	nav	nav
Credit transfers ¹	nav	13,497	14,752	15,540	16,589
Direct debits ²	nav	31,653	32,689	33,512	35,173
Card-based electronic money	nav	nav	nav	nav	nav
Network-based electronic money	nav	nav	nav	nav	nav
Total	140,823	195,001	183,255	183,166	190,333

¹ Auto-credit instructions handled by the Clearing House. ² Auto-debit instructions handled by the Clearing House.

Table 10
**Indicators of use of various cashless payment instruments:
 value of transactions**
 In billions of HKD

	1996	1997	1998	1999	2000
Instruments					
Cheques	12,563	12,288	5,890	5,348	6,092
<i>of which:</i>					
<i>face-to-face</i>	12,563	12,288	5,890	5,348	6,092
Payments by debit card	nav	nav	nav	nav	nav
Payments by credit card	nav	nav	nav	nav	nav
Credit transfers ¹	nav	294	315	343	399
Direct debits ²	nav	47	49	48	52
Card-based electronic money	nav	nav	nav	nav	nav
Network-based electronic money	nav	nav	nav	nav	nav
Total	12,563	12,629	6,254	5,738	6,542

¹ Auto-credit instructions handled by the Clearing House. ² Auto-debit instructions handled by the Clearing House.

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

	1996	1997	1998	1999	2000
Equities					
Trading platforms					
Hong Kong Stock Exchange					
<i>Main Board (in millions of shares)</i>	587,279	1,767,897	816,358	1,392,284	2,323,973
<i>GEM (in millions of shares)¹</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	1,499	30,715
Settlement system					
CCASS (in thousands) ²	15,731	40,048	22,116	28,564	45,170
Debt securities					
Settlement systems					
CMU ³	<i>nav</i>	62,722	31,833	46,974	51,694

¹ GEM stands for the Growth Market which is an alternative market operated by the Exchange. GEM had its first listings on 25 November 1999. ² CCASS stands for Central Clearing and Settlement System. Operated by Hong Kong Exchanges and Clearing Limited, it is the clearing and settlement system for securities listed on the stock exchange. ³ CMU stands for Central Moneymarkets Unit. It is a clearing system operated by the HKMA. It comprises computerised clearing and settlement facilities for Exchange Fund Bills and Notes and debt instruments issued by the private sector.

Table 11b
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:
value of transactions**
In billions of HKD

	1996	1997	1998	1999	2000
Equities					
Trading platforms					
Hong Kong Stock Exchange					
<i>Main Board</i>	1,412	3,789	1,701	1,916	3,048
<i>GEM</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>neg</i>	<i>neg</i>
Settlement system					
CCASS	5,495	11,697	7,301	6,716	10,886
Debt securities					
Settlement system					
CMU	4,133	4,022	2,273	4,080	5,930

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

	1996	1997	1998	1999	2000
Hong Kong Stock Exchange	563	555	562	571	561
CCASS	556	568	564	563	570
CMU					
<i>Recognised dealer for EFBN^{1,2}</i>	<i>224</i>	<i>224</i>	<i>204</i>	<i>188</i>	<i>179</i>
<i>Member for private sector debt²</i>	<i>259</i>	<i>260</i>	<i>243</i>	<i>217</i>	<i>203</i>

¹ EFBN stands for Exchange Fund Bills and Notes. They are debt instruments issued by the HKMA for the account of the Exchange Fund. The Exchange Fund was established in 1935 as a reserve to back the issue of Hong Kong's banknotes. ² The two types of membership are not mutually exclusive.

Table 11d
Outstanding securities
End of year

	1996	1997	1998	1999	2000
Hong Kong Stock Exchange					
<i>Value of securities (HKD billions)</i>	<i>3,476.0</i>	<i>3,202.6</i>	<i>2,661.7</i>	<i>4,727.5</i>	<i>4,795.2</i>
<i>Number of securities</i>	<i>1,272</i>	<i>1,533</i>	<i>1,246</i>	<i>1,205</i>	<i>1,294</i>
CCASS (HKD billions)	1,100.3	982.5	805.2	1,482.5	1,455.2
CMU					
<i>Value of securities (HKD billions)</i>	<i>226.9</i>	<i>300.9</i>	<i>327.6</i>	<i>347.9</i>	<i>328.3</i>
<i>Number of securities</i>	<i>523</i>	<i>646</i>	<i>840</i>	<i>992</i>	<i>1,112</i>

Table 11e
Netting ratio in clearing systems

Details are not available.

Table 12
Participation in SWIFT by domestic institutions

	1996	1997	1998	1999	2000
Members	32	32	30	25	26
<i>of which: live</i>	32	32	29	25	25
Sub-members	164	165	164	151	158
<i>of which: live</i>	161	162	161	148	154
Participants	34	40	42	43	30
<i>of which: live</i>	32	37	37	41	29
Total users	230	237	236	219	214
<i>of which: live</i>	225	231	227	214	208
<i>Memorandum items:</i>					
Total SWIFT users	5,632	6,176	6,557	6,797	7,125
<i>of which:</i>					
<i>members</i>	2,874	2,985	2,980	2,214	2,288
<i>sub-members</i>	2,404	2,585	2,720	2,763	2,978
<i>participants</i>	354	606	857	1,820	1,859

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	25,714,057	31,066,185	31,094,944	31,420,017	34,062,327
<i>of which:</i>					
<i>category I</i>	4,723,725	5,323,598	5,345,395	5,800,785	6,456,569
<i>category II</i>	7,292,130	8,527,556	8,839,059	8,123,013	7,913,421
Total messages received	21,456,830	25,252,397	26,472,616	27,278,811	29,449,821
<i>of which:</i>					
<i>category I</i>	3,913,464	4,366,316	4,623,214	5,167,107	5,839,097
<i>category II</i>	1,460,685	1,783,461	1,983,539	2,159,193	2,290,618
Domestic traffic	2,870,613	3,555,194	4,069,378	4,292,346	4,574,230
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population (thousands)	57,397	57,512	57,588	57,630	57,728
GDP (EUR billions) ¹	971.1	1,030.0	1,068.8	1,107.8	1,165.7
GDP per capita (EUR) ¹	16,918	17,909	18,559	19,222	20,193
Exchange rate (ITL/USD): ²					
<i>year-end</i>	1,530.6	1,759.2	1,653.1	1,927.4	2,080.9
<i>average</i>	1,543.0	1,703.4	1,736.2	1,816.8	2,096.4
Exchange rate (EUR/USD): ³					
<i>year-end</i>	(0.7981)	(0.9056)	(0.8571)	0.99542	1.07469
<i>average</i>	(0.7877)	(0.8828)	(0.8930)	0.93958	1.08590

¹ Prior to 1999, converted using the ITL/ECU exchange rate (see also footnote 3). Thereafter, and for all other data in these country tables which are expressed in euro, the irrevocable conversion rate (see footnote 2 below) of 1,936.27 ITL/EUR has been used. ² Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999. ³ Figures in brackets are ECU/USD. On 31 December 1998, 1 EUR was set to equal 1 ECU.

Table 2
Settlement media used by non-banks
End of year, in billions of EUR

	1996	1997	1998	1999	2000
Notes and coin	51.7	55.5	59.5	65.8	69.5
Transferable deposits ¹	263.0	281.0	305.0	390.0	416.0
Others ²	7.0	7.0	6.0	nap	nap
Narrow money supply (M1)	321.0	344.0	370.0	456.0	485.0
<i>Memorandum items:</i>					
Broad money supply ³	445.8	601.4	618.9	650.6	665.4
Transferable deposits in foreign currencies	nav	nav	nav	7.7	7.9
Outstanding value on e-money schemes ⁴	nap	0.7	0.7	0.5	0.5
<i>of which:</i>					
<i>on card-based products</i>	nap	0.7	0.7	0.5	0.5
<i>on network-based products</i>	nap	nap	nap	nap	neg

¹ Current account deposits held at credit institutions and the Post Office. ² Banker's drafts, cashier's cheques and current accounts at the Ministry of Treasury. Since 1999 data are not applicable, due to a change in the methodology used to determine the monetary aggregate M1. ³ For 1996, includes M1, postal and banking saving deposits and certificates of deposit with a maturity less than 18 months. Since 1997, includes the contributions to the euro-area M1 (currency in circulation and overnight deposits, excluding notes and coins in the various denominations of the euro held by resident MFIs), deposits with agreed maturity up to two years and deposits redeemable at notice up to three months. ⁴ 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, in billions of EUR

	1996	1997	1998	1999	2000
Transferable balances held at central bank ¹	37.1	43.2	10.2	12.1	12.3
<i>of which:</i>					
<i>required reserves</i>	37.0	43.0	10.0	12.0	12.3
<i>free reserves</i> ²	0.1	0.2	0.2	0.1	0.1
Transferable balances held at other banks	44.0	50.0	55.0	59.0	95.0

¹ Up to 1997, for the period 15 December-14 January; up to 1998, 15-31 December; since 1999, 24 December-23 January.

² Up to 1998 includes non-interest bearing local deposits; since 1999, deposit facility balances.

Table 4
Banknotes and coin
 End of year, in billions of EUR and ITL

	1996		1997		1998		1999		2000	
	EUR	ITL	EUR	ITL	EUR	ITL	EUR	ITL	EUR	ITL
Total banknotes issued	54.80	106,106	58.91	114,074	63.21	122,406	70.66	136,820	75.16	145,531
<i>of which:</i>										
<i>ITL 500,000</i>	<i>nap</i>	<i>nap</i>	2.02	3,919	5.15	9,972	8.47	16,400	11.31	21,900
<i>ITL 100,000</i>	40.42	78,264	42.18	81,677	42.98	83,227	46.40	89,850	47.69	92,350
<i>ITL 50,000</i>	11.07	21,429	11.30	21,873	11.60	22,469	12.15	23,525	12.40	24,010
<i>ITL 10,000</i>	2.16	4,173	2.22	4,299	2.29	4,438	2.38	4,607	2.45	4,739
<i>ITL 5,000</i>	0.50	967	0.52	1,016	0.57	1,096	0.59	1,144	0.61	1,188
<i>ITL 2,000</i>	0.14	270	0.01	255	0.11	231	0.09	182	0.07	145
<i>ITL 1,000</i>	0.52	1,003	0.53	1,035	0.50	973	0.57	1,112	0.62	1,195
Total coin issued	1.02	1,986	1.10	2,130	1.29	2,487	1.30	2,525	1.31	2,534
Total banknotes and coin issued	55.82	108,092	60.01	116,204	64.50	124,893	71.96	139,345	76.47	148,066
Banknotes and coin held by credit institutions	4.12	7,979	4.53	8,771	5.01	9,698	6.15	11,908	7.01	13,579
Banknotes and coin in circulation outside credit institutions	51.70	100,113	55.48	107,433	59.50	115,200	65.81	127,421	69.46	134,487

Table 5
Institutional framework
 End of 2000

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts ¹ (thousands)	Value of accounts (EUR billions)
Central bank	1	99	nap	nap	nap
Credit institutions and Post Office	784	42,005	33,509	1,500	415.9
<i>of which:</i>					
<i>Post Office</i>	1	13,927	998	nav	nav
Total	785	42,104	33,509	1,500	415.9
<i>of which:</i>					
<i>virtual institutions</i>	1	nap	nav	nav	nav
Branches of foreign banks	58	99	27	nav	1.9

¹ Estimate.

Table 6
Payment card functions and accepting devices
 End of year

	1996	1997	1998	1999	2000
Cash function					
Cards with a cash function (thousands)	15,270	17,173	17,898	20,802	21,172
Number of networks	4	4	4	4	4
Number of ATMs with a cash dispensing function	24,335	25,546	28,042	30,203	31,720
<i>of which:</i>					
<i>open access</i>	<i>nav</i>	<i>nav</i>	25,998	29,566	31,156
<i>limited access</i>	<i>nav</i>	<i>nav</i>	731	731	695
Volume of transactions (millions)	368	412	487	499	527
<i>of which:</i>					
<i>at ATMs with open access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>at ATMs with limited access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (EUR billions)	59	67	78	80	86
<i>of which:</i>					
<i>at ATMs with open access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>at ATMs with limited access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of ATMs with a giro transfer function	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Volume of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Debit function					
Cards with a debit function (thousands)	14,906	16,389	17,583	19,776	20,204
<i>of which: retailer cards</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	3	3	3	3	3
Number of terminals	214,705	281,023	345,580	435,176	570,577
Volume of transactions (millions)	72	124	172	248	318
<i>of which: 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)	7	11	14	19	23
<i>of which: 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)	7,643	8,828	10,150	15,420	16,969
<i>of which: retailer cards</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	3	3	3	3	3
Number of terminals	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Volume of transactions (millions)	116	141	175	229	272
<i>of which: 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)	11	13	16	21	25
<i>of which: transactions with retailer cards</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

Table 6 (cont)

	1996	1997	1998	1999	2000
Electronic money function					
Cards with an e-money function (thousands)	nap	62	56	32	45 ¹
Number of accepting terminals	nap	4,406	3,910	3,605	6,485
Number of networks	nap	nav	nav	nav	3
Number of purchase transactions	nap	neg	neg	neg	neg
Value of purchase transactions	nap	neg	neg	neg	neg
Number of loading transactions	nap	neg	neg	neg	neg
Number of loading terminals	nap	neg	neg	neg	neg
Value of money loaded	nap	neg	neg	neg	neg
Float	nap	neg	neg	neg	neg
Delayed debit cards (charge cards)					
Cards with a delayed debit function	nap	nap	nap	nap	nap
Number of terminals	nap	nap	nap	nap	nap
Volume of transactions	nap	nap	nap	nap	nap
Value of transactions	nap	nap	nap	nap	nap
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	22,913	25,217	28,048	36,222	38,141
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function</i>	nap	nap	nap	nap	nap
<i>cards with a cheque guarantee function</i>	neg	neg	neg	neg	neg

¹ Calculated on the basis of end-March 2001 data.

Table 7
**Payment instructions handled by selected interbank funds transfer systems:
 volume of transactions¹**
 In millions

	1996	1997	1998	1999	2000
BI-COMP					
LOCAL CLEARING	225.6	217.6	182.7	103.9	109.4
Cheques	223.9	215.8	181.7	103.9	109.3
Credit transfers	0.2	0.1	0.1	nap	nap
Other items ²	1.5	1.6	0.9	0.1	0.1
ELECTRONIC MEMORANDA	1.7	1.5	0.3	nap	nap
Interbank deposits	0.8	0.8	0.1	nap	nap
Foreign operations	0.1	neg	neg	nap	nap
Credit transfers	0.1	0.1	neg	nap	nap
Other items ³	0.6	0.6	0.2	nap	nap
INGROSSO (SIPS) ⁴	5.3	6.1	0.3	nap	nap
RETAIL	664.1	710.6	825.5	959.8	1,005.4
Cheque truncation	287.6	285.7	336.5	394.9	372.8
Bancomat	91.1	103.5	118.8	132.4	143.4
Collection orders	170.6	189.5	216.0	255.6	285.2
Credit transfers	114.6	129.2	148.0	169.4	192.2
Other items ⁵	0.1	2.7	6.3	7.5	11.7
BI-REL⁶	1.1	2.7	10.8	10.2	10.4
Customer transactions ⁷	nap	1.6	3.8	4.8	5.2
Interbank transactions ⁸	0.1	0.1	5.6	3.6	3.5
<i>of which:</i>					
<i>GEC⁹</i>	<i>nap</i>	<i>nap</i>	4.8	3.0	2.9
<i>interbank transfers</i>	<i>0.1</i>	<i>0.1</i>	0.2	0.2	0.2
<i>e-MID¹⁰</i>	<i>nap</i>	<i>nap</i>	0.6	0.5	0.4
Payments between banks and the Banca d'Italia or the Ministry of Treasury	1.1	1.0	1.4	1.7	1.8
Concentration ratio (in %)¹¹					
LOCAL CLEARING	28.6	28.0	26.9	27.6	28.3
ELECTRONIC MEMORANDA	20.6	18.8	19.2	nap	nap
INGROSSO (SIPS)	53.8	51.4	55.8	nap	nap
RETAIL	29.8	29.8	28.4	27.1	26.5
BI-REL	25.9	37.2	43.1	40.5	36.4
Overall concentration ratio	28.2	28.2	27.4	26.8	26.3

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 Up to 1998, debits/credits for the settlement of clearing balances are not included. ⁷ Large-value and cross-border credit transfers. Since January 1999, includes cross-border customer transactions carried out via TARGET. ⁸ Since November 2000, includes EXPRESS procedure interbank transactions. ⁹ Replaced INGROSSO. Since January 1999, includes cross-border interbank transactions carried out via TARGET. ¹⁰ Screen-based market for interbank deposits. Since January 1998, replaced 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 transactions¹**
 In billions of EUR

	1996	1997	1998	1999	2000
BI-COMP					
LOCAL CLEARING	1,497	1,323	987	710	720
Cheques	851	850	827	689	708
Credit transfers	131	33	13	nap	nap
Other items ²	514	439	148	21	12
ELECTRONIC MEMORANDA	11,930	13,028	4,617	nap	nap
Interbank deposits	7,774	8,594	587	nap	nap
Foreign operations	169	116	9	nap	nap
Credit transfers	411	116	45	nap	nap
Other items ³	3,576	4,201	3,975	nap	nap
INGROSSO (SIPS) ⁴	17,834	21,439	1,293	nap	nap
RETAIL	817	924	1,124	1,364	1,538
Cheque truncation	154	155	197	278	282
Bancomat	13	15	17	19	21
Collection orders	269	294	349	417	472
Credit transfers	378	446	536	612	708
Other items ⁵	3	14	25	38	56
BI-REL⁶	1,405	2,259	36,630	24,634	27,782
Customer transactions ⁷	nap	790	1,727	1,714	2,212
Interbank transactions ⁸	72	156	31,561	18,591	21,134
of which:					
GEC ⁹	nap	nap	22,744	10,247	12,292
interbank transfers	72	156	837	1,030	1,349
e-MID ¹⁰	nap	nap	7,980	7,314	7,494
Payments between banks and the Banca d'Italia or the Ministry of Treasury	1,333	1,313	3,342	4,329	4,436
Concentration ratio (in %)¹¹					
LOCAL CLEARING	27.7	26.7	24.2	23.1	23.2
ELECTRONIC MEMORANDA	24.0	23.2	29.2	nap	nap
INGROSSO (SIPS)	57.5	56.9	58.0	nap	nap
RETAIL	28.2	27.9	26.7	26.0	25.7
BI-REL	35.2	33.1	47.5	42.2	39.4
Overall concentration ratio	40.5	41.8	45.2	40.5	37.9

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 Up to 1998, debits/credits for the settlement of clearing balances are not included. ⁷ Large-value and cross-border credit transfers. Since January 1999, includes cross-border customer transactions carried out via TARGET. ⁸ Since November 2000, includes EXPRESS procedure interbank transactions. ⁹ Replaced INGROSSO. Since January 1999, includes cross-border interbank transactions carried out via TARGET. ¹⁰ Screen-based market for interbank deposits. Since January 1998, replaced 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 use of various cashless payment instruments:
 volume of transactions**
 In millions

	1996	1997	1998	1999	2000
Instruments					
Cheques	676.9	656.8	648.7	665.2	602.0
<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>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card	72.0	124.0	171.7	247.5	317.5
<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>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by credit card	116.0	141.0	175.1	229.2	272.3
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers ¹	944.0	976.0	971.4	1,003.4	1,018.6
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits	162.8	200.7	226.4	292.8	319.6
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Card-based electronic money	nap	neg	neg	neg	neg
Network-based electronic money	nap	nap	nap	nap	neg
Total	1,971.7	2,098.5	2,193.3	2,438.1	2,530.0

¹ Includes items (in millions) initiated by banks as follows: 1996: 9.5; 1997: 7.6; 1998: 7.5; 1999: 6.1; and 2000: 5.9.

Table 10
**Indicators of use of various cashless payment instruments:
value of transactions**
In billions of EUR

	1996	1997	1998	1999	2000
Instruments					
Cheques	1,314.0	1,321.0	1,276.0	1,305.0	1,304.8
<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>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card	7.0	11.0	14.0	18.5	23.1
<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>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by credit card	11.0	13.0	16.0	21.0	25.4
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers ¹	34,283.0	38,836.0	43,016.0	33,590.0	39,080.7
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits	82.0	130.0	144.0	175.0	188.6
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Card-based electronic money	nap	neg	neg	neg	neg
Network-based electronic money	nap	nap	nap	nap	neg
Total	35,697.0	40,311.0	44,466.0	35,109.5	40,622.6

¹ Includes items (in EUR billions) initiated by banks as follows: 1996: 31,272; 1997: 35,258; 1998: 38,873; 1999: 29,531; and 2000: 34,288.

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

	1996	1997	1998	1999	2000
Trading platforms	10.90	17.49	32.01	37.90	72.56
BORSA ITALIANA ¹					
Volume of transactions ²	9.44	15.92	30.84	36.97	71.89
<i>of which:</i>					
<i>government securities</i>	3.20	3.39	3.83	3.76	3.35
<i>bonds</i>	0.55	0.65	0.89	0.79	0.74
<i>shares</i>	5.22	11.05	23.95	29.08	58.56
<i>warrant and covered warrant</i>	0.42	0.71	1.77	3.00	8.77
<i>other items</i>	0.05	0.11	0.40	0.34	0.47
MTS ³					
Volume of transactions ²	1.46	1.57	1.05	0.70	0.45
PCT ⁴					
Volume of transactions ²	nap	nap	0.12	0.22	0.22
Clearing house					
CCG ⁵					
Volume of transactions cleared ²	6.07	11.22	10.28	9.49	13.34
Securities settlement systems	12.71	16.31	21.11	20.51	46.08
LDT					
Volume of settlement instructions ⁶	11.74	15.30	20.05	19.31	44.21
CAT					
Volume of settlement instructions ⁷	0.69	0.65	0.49	0.50	0.47
MONTE TITOLI					
Volume of settlement instructions ⁷	0.29	0.35	0.57	0.70	1.40
EXPRESS ⁸					
Volume of settlement instructions	nap	nap	nap	nap	neg

¹ Italian stock exchange. ² Number of contracts. ³ Secondary market for government securities. ⁴ Electronic market for repurchase agreements. The 1998 figure refers to the period 10 February-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 20 November 2000, real-time gross securities settlement system managed by Monte Titoli.

Table 11b
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:
value of transactions**
In billions of EUR

	1996	1997	1998	1999	2000
Trading platforms	4,768.66	5,616.99	5,858.47	8,900.55	8,714.81
BORSA ITALIANA ¹					
Value of transactions	229.32	358.65	618.06	692.22	1,058.68
<i>of which:</i>					
<i>government securities</i>	137.85	167.10	160.71	152.05	141.89
<i>bonds</i>	8.62	11.02	17.61	14.90	13.45
<i>shares</i>	81.23	174.99	425.16	507.43	869.13
<i>warrant and covered warrant</i>	1.51	4.89	11.89	17.30	33.81
<i>other items</i>	0.12	0.65	2.69	0.55	0.40
MTS ²					
Value of transactions	4,539.35	5,258.34	3,268.19	2,801.23	2,017.00
PCT ³					
Value of transactions	nap	nap	1,972.21	5,407.10	5,639.13
Clearing house					
CCG ⁴					
Value of transactions cleared	251.09	617.36	1,274.03	1,198.54	1,383.95
Securities settlement systems	16,482.00	22,956.00	nav	nav	nav
LDT					
Value of settlement instructions ⁵	15,433.00	21,727.00	27,469.00	31,087.00	26,582.00
CAT					
Value of settlement instructions ^{6,7}	997.00	1,143.00	1,182.00	3,317.00	3,573.00
MONTE TITOLI					
Value of settlement instructions ^{6,7}	52.00	86.00	nav	nav	nav
EXPRESS ⁸					
Value of settlement instructions	nap	nap	nap	nap	55.98
<i>of which:</i>					
<i>government securities</i>	nap	nap	nap	nap	49.68
<i>bonds</i>	nap	nap	nap	nap	1.26
<i>shares</i>	nap	nap	nap	nap	5.05

¹ Italian stock exchange. ² Secondary market for government securities. ³ Electronic market for repurchase agreements. The 1998 figure refers to the period 10 February-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 20 November 2000, real-time gross securities settlement system managed by Monte Titoli.

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

	1996	1997	1998	1999	2000
Trading platforms					
BORSA ITALIANA ¹	nav	nav	139	142	182
Banks	nav	nav	45	47	87
<i>of which:</i>					
<i>domestic</i>	nav	nav	43	44	79
<i>foreign</i>	nav	nav	2	3	8
Brokers/dealers	nav	nav	94	95	95
<i>of which:</i>					
<i>domestic</i>	nav	nav	90	86	86
<i>foreign</i>	nav	nav	4	9	9
MTS ²	273	272	234	221	211
Banks	202	210	206	190	150
<i>of which:</i>					
<i>domestic</i>	202	210	159	142	132
<i>foreign</i>	0	0	47	48	18
Brokers/dealers	71	62	28	31	61
<i>of which:</i>					
<i>domestic</i>	71	59	9	20	50
<i>foreign</i>	0	3	19	11	11
PCT ³	nap	nap	234	221	211
Banks	nap	nap	206	190	150
<i>of which:</i>					
<i>domestic</i>	nap	nap	159	142	132
<i>foreign</i>	nap	nap	47	48	18
Brokers/dealers	nap	nap	28	31	61
<i>of which:</i>					
<i>domestic</i>	nap	nap	9	20	50
<i>foreign</i>	nap	nap	19	11	11
Clearing house					
CCG ⁴	182	178	168	141	135
Banks	97	100	99	79	75
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	78	73
<i>foreign</i>	nav	nav	nav	1	2
Brokers/dealers	85	88	69	62	60
<i>of which:</i>					
<i>domestic</i>	84	75	63	53	49
<i>foreign</i>	1	13	6	9	11

Table 11c (cont)

	1996	1997	1998	1999	2000
Securities settlement systems					
LDT	304	285	280	282	284
Banks	155	157	166	173	193
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	149	170
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	24	23
Brokers/dealers	146	125	111	106	88
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	101	83
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	5	5
Others ⁵	3	3	3	3	3
CAT ⁶	515	492	464	435	nap
Banks	315	319	323	306	nap
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	275	<i>nap</i>
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	31	<i>nap</i>
Brokers/dealers	179	155	128	117	nap
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	112	<i>nap</i>
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	5	<i>nap</i>
Others ⁷	21	18	13	12	nap
MONTE TITOLI	nav	nav	893	1,243	1,582
Banks	nav	nav	230	284	344
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	263	315
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	21	29
Brokers/dealers	nav	nav	132	128	132
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	126	132
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	2	0
Issuers	nav	nav	463	724	952
CSDs	nav	nav	4	7	10
Others	nav	nav	64	100	144
EXPRESS ⁸	nap	nap	nap	nap	71
Banks	nap	nap	nap	nap	66
<i>of which:</i>					
<i>domestic</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	51
<i>foreign</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	15
Brokers/dealers	nap	nap	nap	nap	5
<i>of which:</i>					
<i>domestic</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	5
<i>foreign</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	0

¹ Italian stock exchange. ² Secondary market for government securities. ³ Electronic market for repurchase agreements and MTS. ⁴ Clearing and guarantee house. ⁵ Banca d'Italia, Monte Titoli and CCG. ⁶ Since December 2000, the central depository system for government bonds is managed by Monte Titoli. ⁷ Banca d'Italia, Ministry of Treasury, Monte Titoli, CCG, CSDs and international financial organisations. ⁸ Since 20 November 2000, real-time gross securities settlement system managed by Monte Titoli.

Table 11d
Outstanding securities
 End of year

	1996	1997	1998	1999	2000
Trading platforms					
BORSA ITALIANA¹					
Number of listed securities	1,215	1,111	1,129	2,575	4,116
<i>of which:</i>					
<i>shares</i>	339	328	325	352	361
<i>warrant and covered warrant</i>	35	27	152	1,591	3,130
<i>bonds</i>	636	566	498	493	497
<i>government securities</i>	205	190	154	139	128
Value of securities listed (EUR billions) ²	1,001	1,026	1,062	1,104	1,146
<i>of which:</i>					
<i>shares</i>	53	51	58	73	79
<i>bonds</i>	39	48	54	68	91
<i>government securities</i>	909	926	950	962	976
MTS³					
Number of listed securities	135	135	180	200	207
Value of securities listed (EUR billions) ⁴	756	838	1,310	1,086	1,044
Securities settlement system					
CAT⁵					
Value of securities issued (EUR billions)	987	1,000	1,026	1,041 ⁶	nav
Number of securities issued	216	205	176	164	nav
Value of securities registered (EUR billions)	979	994	1,025	1,040	nav
Number of securities registered	216	205	176	164	nav
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	109	148	230	335	1,448
<i>of which:</i>					
<i>shares</i>	34	39	63	83	94
<i>warrant</i>	neg	neg	2	5	42
<i>bonds</i>	75	109	165	236	264
<i>government securities</i>	0	0	0	11	1,044
<i>other items</i>	0	0	0	0	4
Number of securities registered	nav	nav	6,356	13,398	22,331

¹ Italian stock exchange. ² Nominal value. ³ Secondary market for government securities. ⁴ Market value up to 1998; thereafter, nominal value. ⁵ Since December 2000, the central depository system for government bonds is managed by Monte Titoli. ⁶ Estimate.

Table 11e
Netting ratio in clearing systems

	1996	1997	1998	1999	2000
Clearing and guarantee house (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

	1996	1997	1998	1999	2000
Members	185	185	184	148	150
<i>of which: live</i>	185	183	182	147	150
Sub-members	43	44	51	54	60
<i>of which: live</i>	40	43	50	52	58
Participants	3	3	7	41	42
<i>of which: live</i>	3	3	6	41	40
Total users	231	232	242	243	252
<i>of which: live</i>	228	229	238	240	248
<i>Memorandum items:</i>					
Total SWIFT users	5,918	6,372	6,771	6,991	7,293
<i>members</i>	3,014	3,070	3,052	2,230	2,307
<i>sub-members</i>	2,500	2,621	2,781	2,825	3,037
<i>participants</i>	404	681	938	1,936	1,949

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	30,081,128	31,672,855	35,347,305	33,624,951	39,545,548
<i>of which:</i>					
<i>category I</i>	8,903,858	7,968,583	8,556,232	9,734,387	11,318,193
<i>category II</i>	6,659,465	7,091,972	7,369,906	5,344,194	5,556,376
Total messages received	31,508,461	32,742,840	34,939,777	33,866,483	39,863,897
<i>of which:</i>					
<i>category I</i>	10,487,061	9,980,426	10,758,471	12,158,469	13,964,280
<i>category II</i>	6,736,480	6,881,867	6,904,785	4,038,033	3,991,833
Domestic traffic	5,419,805	4,127,570	3,906,821	2,523,560	3,800,121
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population (thousands) ¹	125,864	126,166	126,486	126,686	126,926
GDP (JPY billions)	510,802	521,862	515,835	512,530	511,836
GDP per capita (JPY thousands)	4,058.4	4,136.3	4,078.2	4,045.7	4,032.6
Exchange rate (JPY/USD):					
<i>year-end</i>	115.98	129.92	115.20	102.08	114.90
<i>average</i>	108.81	120.92	131.02	113.94	107.78

¹ As of 1 October.

Sources: Ministry of Public Management, Home Affairs, Posts and Telecommunications; Bank of Japan.

Table 2
Settlement media used by non-banks
End of year, in billions of JPY

	1996	1997	1998	1999	2000
Notes and coin ¹	49,084.0	52,732.8	54,310.6	59,404.8	61,947.7
Transferable deposits ²	139,062.6	151,550.4	160,093.2	180,133.5	185,911.6
Other	nap	nap	nap	nap	nap
Narrow money supply (M1)	188,146.6	204,283.2	214,403.8	239,538.3	247,859.3
<i>Memorandum items:</i>					
Broad money supply (M2 + CD) ³	575,298.1	597,493.8	621,493.6	638,010.6	649,863.1
Transferable deposits in foreign currencies ⁴	nav	nav	nav	718.0	932.5
Outstanding value on e-money schemes	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>on card-based products</i>	nav	nav	nav	nav	nav
<i>on network-based products</i>	nav	nav	nav	nav	nav

¹ Notes and coin held by private corporations, individuals and local governments ("non-banks"). ² Demand deposits held by non-banks at domestically licensed banks (city banks, regional banks, regional banks II, trust banks, long-term credit banks, etc), branches of foreign banks, *shinkin* banks, Shinkin Central Bank, Norinchukin Bank and Shoko Chukin Bank. ³ M1 + time and savings deposits held by non-banks + foreign currency deposits + non-resident yen deposits + certificates of deposits (CDs) held by non-banks; all held at the same financial institutions as in M1. ⁴ Demand deposits in foreign currencies held at domestically licensed banks.

Source: Bank of Japan.

Table 3
Settlement media used by banks
 End of year, in billions of JPY

	1996	1997	1998	1999	2000
Transferable balances held at central bank ¹	3,404.3	3,602.9	3,822.0	9,686.1	4,239.7
<i>of which:</i>					
<i>required reserves</i>	3,358.0	3,553.8	3,752.9	3,944.2	3,931.6
<i>free reserves</i>	46.3	49.1	69.1	5,741.9	308.1
Transferable balances held at other banks ²	4,237.5	3,879.7	3,536.5	10,521.5	4,343.8
<i>Memorandum item:</i>					
Institutions' borrowing from central bank ³	1,983.3	4,634.2	1,878.0	1,771.5	693.5

¹ Balances held by financial institutions subject to the reserve requirement system; average for December. ² Demand deposits held at domestically licensed banks and *shinkin* banks. ³ Banks' total borrowings from the Bank of Japan consisting of bills discounted and loans.

Source: Bank of Japan.

Table 4
Banknotes and coin
 End of year, in billions of JPY

	1996	1997	1998	1999	2000
Total banknotes issued	50,671.0	54,669.6	55,864.8	65,404.7	63,397.2
<i>of which:</i>					
10,000 yen	45,036.6	48,958.2	50,156.1	59,400.3	57,189.8
5,000 yen	2,146.5	2,191.0	2,208.2	2,330.5	2,333.6
2,000 yen ¹	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	277.3
1,000 yen	3,312.7	3,346.0	3,327.3	3,501.8	3,425.6
500 yen	125.5	124.7	123.8	122.9	121.9
Total coin issued	3,917.6	4,045.8	4,121.5	4,187.3	4,222.5
<i>of which:</i>					
500 yen	1,305.7	1,379.5	1,447.6	1,510.5	1,555.4
100 yen	961.8	978.4	982.0	996.9	1,001.1
50 yen	225.8	229.2	229.8	231.0	229.9
10 yen	206.8	208.3	207.8	207.8	207.0
5 yen	61.6	62.7	63.0	63.1	63.0
1 yen	39.9	40.3	40.5	40.7	40.8
Total banknotes and coin issued ²	54,588.7	58,715.4	59,986.4	69,592.0	67,619.7
Banknotes and coin held by credit institutions ³	5,504.7	5,982.6	5,675.8	10,187.2	5,672.0
Banknotes and coin in circulation outside credit institutions ³	49,084.0	52,732.8	54,310.6	59,404.8	61,947.7

¹ 2,000-yen notes have been issued since 19 July 2000. ² Includes commemorative coins. ³ Credit institutions include domestically licensed banks, branches of foreign banks, *shinkin* banks, Shinkin Central Bank, Norinchukin Bank, Shoko Chukin Bank, Shinkumi Federation Bank, National Federation of Labour Credit Associations, Credit Federations of Agricultural Cooperatives and other cooperatives and associations.

Source: Bank of Japan.

Table 5
Institutional framework
 At end-March 2001, except as noted

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts ¹	Value of accounts (JPY billions) ²
Central bank	1	34	neg	nap	656 ³
Domestically licensed banks	165	13,980	336,672	1,468,488	162,731
Cooperative and rural banks ⁴	2,586	25,927	80,615 ⁵	29,449	21,334 ⁵
Total	2,752	39,941	417,287	1,497,937	184,720
<i>of which:</i>					
<i>virtual institutions</i>	1	1	<i>nav</i>	<i>nav</i>	<i>nav</i>
Post office	1	24,168	115,411 ⁶	nap	42,066 ⁶
Branches of foreign banks	79	121	<i>nav</i>	<i>nav</i>	1,214

¹ Excludes accounts providing mobile banking services only; based on a survey by Center for Financial Industry Information Systems. ² Average for March, except Post office. ³ Current account deposits of financial institutions that are not subject to the reserve requirement system, including securities companies, securities finance companies and *tanshi* companies. ⁴ Includes *shinkin* banks, Shinkin Central Bank, Norinchukin Bank, Shoko Chukin Bank, Shinkumi Federation Bank, National Federation of Labour Credit Associations, credit cooperatives, labour credit associations, agricultural cooperatives and fishery cooperatives. ⁵ Figures for *shinkin* banks. ⁶ Figures for ordinary deposit accounts and transferable deposit accounts.

Sources: Center for Financial Industry Information Systems; Bank of Japan; other national data.

Table 6
Payment card functions and accepting devices
 At end-March of the following year, except as noted

	1996	1997	1998	1999	2000
Cash function					
Cards with a cash function (thousands) ¹	283,080	293,340	302,490	312,230	320,350
Number of networks ²	18	16	16	16	10
Number of ATMs with a cash dispensing function	113,278	116,620	118,166	119,627	116,984
<i>of which:</i>					
<i>open access</i>	113,278	116,620	118,166	119,627	116,984
<i>limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Volume of transactions (millions) ³	365.7	381.1	393.8	393.9	408.1
<i>of which:</i>					
<i>at ATMs with open access</i>	365.7	381.1	393.8	393.9	408.1
<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 (JPY billions) ³	21,482.0	22,183.1	22,383.7	22,498.2	23,409.9
<i>of which:</i>					
<i>at ATMs with open access</i>	21,482.0	22,183.1	22,383.7	22,498.2	23,409.9
<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	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Volume of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Debit function⁴					
Cards with a debit function (thousands)	234,708	245,413	256,783	<i>nav</i>	<i>nav</i>
<i>of which: retailer cards</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	265	252	205	1	1
Number of terminals	22,977	19,499	16,042	<i>nav</i>	<i>nav</i>
Volume of transactions (millions) ⁵	0.6	0.5	0.5	0.4	3.2
<i>of which: transactions with retailer cards</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (JPY billions) ⁵	2.0	3.5	4.0	11.1	147.3
<i>of which: 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) ⁶	222,960	233,670	244,910	245,970	223,250
<i>of which: retailer cards</i>	52,340	60,540	63,710	63,730	65,660
Number of networks	4	4	4	4	4
Number of terminals ⁷	467,657	554,249	652,810	695,088	770,298
Volume of transactions (millions) ⁸	1,131.7	1,275.2	1,497.0	1,517.4	2,007.4
<i>of which: transactions with retailer cards</i>	357.1	391.1	484.4	560.6	628.1
Value of transactions (JPY billions) ⁵	16,753.1	18,123.8	19,013.1	20,151.1	21,792.0
<i>of which: transactions with retailer cards</i>	3,956.5	4,434.9	4,780.9	5,101.9	5,450.3

Table 6 (cont)

	1996	1997	1998	1999	2000
Electronic money function					
Cards with an e-money function	nav	nav	nav	nav	nav
Number of accepting terminals	nav	nav	nav	nav	nav
Number of networks	nav	nav	nav	nav	nav
Number of purchase transactions	nav	nav	nav	nav	nav
Value of purchase transactions	nav	nav	nav	nav	nav
Number of loading transactions	nav	nav	nav	nav	nav
Number of loading terminals	nav	nav	nav	nav	nav
Value of money loaded	nav	nav	nav	nav	nav
Float	nav	nav	nav	nav	nav
Delayed debit cards (charge cards)⁹					
Cards with a delayed debit function	nap	nap	nap	nap	nap
Number of terminals	nap	nap	nap	nap	nap
Volume of transactions	nap	nap	nap	nap	nap
Value of transactions	nap	nap	nap	nap	nap
<i>Memorandum item:</i>					
Total number of cards in circulation	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function</i>	nav	nav	nav	nav	nav
<i>cards with a cheque guarantee function</i>	nap	nap	nap	nap	nap

¹ Excludes cards issued by fishery cooperatives. ² Figures for 2000 are not consistent with those up to 1999, due to changes in the method of data collection. ³ Figures refer to cash withdrawal only and are for the current year ending March. ⁴ Figures for 1999 and thereafter are not consistent with those up to 1998. Figures up to 1998 are for the local POS services, which are no longer available. Figures for 1999 and thereafter are for the nationwide debit card service launched in January 1999. ⁵ Figures for the current year ending December. ⁶ At end-March of the current year. ⁷ At end-September of the current year. ⁸ Based on a survey by Japan Consumer Credit Industry Association (estimated). ⁹ Figures for delayed debit cards are included in cards with a credit function.

Sources: Center for Financial Industry Information Systems; Japanese Bankers Association; Japan Debit Card Promotion Association; Japan Consumer Credit Industry Association.

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

	1996	1997	1998	1999	2000
Bill and cheque clearing systems	296,030	283,373	260,067	239,320	225,868
Zengin System	995,646	1,056,143	1,094,176	1,119,406	1,167,596
Foreign Exchange (Gaitame) Yen Clearing System	9,403	10,434	11,155	9,995	9,298
BOJ-NET Funds Transfer System	4,417	5,005	5,307	4,810	4,715
Concentration ratio (in %)	nav	nav	nav	nav	nav

Source: Bank of Japan.

Table 8
**Payment instructions handled by selected interbank funds transfer systems:
 value of transactions**
 In trillions of JPY

	1996	1997	1998	1999	2000
Bill and cheque clearing systems	1,745.0	1,585.0	1,296.2	1,138.6	1,052.3
Zengin System	2,139.6	2,297.6	2,269.6	2,186.3	2,240.2
Foreign Exchange (Gaitame) Yen Clearing System	8,573.0	10,357.5	10,694.8	7,108.6	6,247.0
BOJ-NET Funds Transfer System	39,892.5	41,493.2	43,136.4	34,500.2	35,398.2
Concentration ratio (in %)	nav	nav	nav	nav	nav

Source: Bank of Japan.

Table 9
**Indicators of use of various cashless payment instruments:
 volume of transactions**
 In millions

	1996	1997	1998	1999	2000
Instruments					
Cheques ¹	296.0	283.4	260.1	239.3	225.9
<i>of which:</i>					
<i>face-to-face</i>	296.0	283.4	260.1	239.3	225.9
<i>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card	0.6	0.5	0.5	0.4	3.2
<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>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by credit card ²	1,131.7	1,275.2	1,497.0	1,517.4	2,007.4
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers ³	1,042.8	1,105.5	1,143.2	1,166.9	1,215.4
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Card-based electronic money	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Network-based electronic money	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Total⁴	2,471.1	2,664.6	2,900.8	2,924.0	3,451.9

¹ Transactions handled by bill and cheque clearing systems. Most are payments by bills and payments by cheques are very limited. ² Based on a survey by Japan Consumer Credit Industry Association (estimated). ³ Transactions handled by the Zengin System, other small retail payment networks, the Foreign Exchange (Gaitame) Yen Clearing System, and the BOJ-NET Funds Transfer System. ⁴ Sum of available data.

Sources: Japan Debit Card Promotion Association; Japan Consumer Credit Industry Association; Japanese Bankers Association; Bank of Japan.

Table 10
**Indicators of use of various cashless payment instruments:
 value of transactions**
 In trillions of JPY

	1996	1997	1998	1999	2000
Instruments					
Cheques	1,745.0	1,585.0	1,296.2	1,138.6	1,052.3
<i>of which:</i>					
<i>face-to-face</i>	1,745.0	1,585.0	1,296.2	1,138.6	1,052.3
<i>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card	0.002	0.004	0.004	0.011	0.147
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by credit card	16.8	18.1	19.0	20.2	21.8
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers	47,109.3	50,630.2	52,131.3	40,596.4	38,269.5
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Card-based electronic money	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Network-based electronic money	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Total	48,871.1	52,233.3	53,446.5	41,755.2	39,343.7

Sources: Japan Debit Card Promotion Association; Japan Consumer Credit Industry Association; Japanese Bankers Association; Bank of Japan.

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

	1996	1997	1998	1999	2000
Securities settlement systems					
BOJ-NET JGB Services	1,262	1,880	1,993	2,005	2,216
<i>of which:</i>					
<i>Book-entry System</i>	480	702	774	1,049	2,073
<i>Registration System</i>	782	1,178	1,219	956	143
Japan Securities Depository Center ¹	21,418	21,406	20,715	34,491	34,710

¹ Figures for the year ending March of the following year.

Sources: Japan Securities Depository Center; Bank of Japan.

Table 11b
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:
value of transactions**
In trillions of JPY

	1996	1997	1998	1999	2000
Securities settlement systems					
BOJ-NET JGB Services	4,676.5	7,033.9	8,479.1	9,060.5	10,841.4
<i>of which:</i>					
<i>Book-entry System</i>	2,567.1	3,616.9	4,297.9	6,179.9	10,395.6
<i>Registration System</i>	2,109.4	3,417.0	4,181.2	2,880.6	445.8
Japan Securities Depository Center	nav	nav	nav	nav	nav

Source: Bank of Japan.

Table 11c
**Number of participants in trading platforms, clearing
houses and securities settlement systems**
End of year, except as noted

	1996	1997	1998	1999	2000
Securities settlement systems					
BOJ-NET JGB Services:					
<i>Book-entry System</i>	371	384	383	377	371
<i>Registration System</i>	436	449	453	440	421
Japan Securities Depository Center ¹	277	282	285	290	296

¹ As of end-March of the following year.

Sources: Japan Securities Depository Center; Bank of Japan.

Table 11d
Outstanding securities
 End of year, in trillions of JPY

	1996	1997	1998	1999	2000
Value of listed stocks ¹	358.5	288.2	281.5	466.2	364.7
Value of Japanese government bonds and bills:					
<i>Government bonds</i>	226.4	241.1	264.9	293.0	325.7
<i>Treasury bills</i>	12.9	13.1	15.2	27.5	33.4
<i>Financing bills</i>	26.5	29.6	33.1	38.4	40.2
Value of other securities: ²					
<i>Municipal bonds</i>	37.8	41.6	45.5	50.0	52.3
<i>Government guaranteed bonds</i>	22.9	24.0	20.7	21.9	25.2
<i>Bank debentures</i>	76.0	67.2	56.9	56.7	49.7
<i>Corporate straight bonds</i>	30.4	34.8	45.1	48.7	53.7
<i>Convertible bonds</i>	20.8	18.2	15.3	12.6	11.6

¹ Sum of stocks listed on all the exchanges in Japan. ² Domestic flotation only.

Sources: Tokyo Stock Exchange; Japan Securities Dealers Association; Bank of Japan.

Table 11e
Netting ratio in clearing systems

Details are not available.

Table 12
Participation in SWIFT by domestic institutions

	1996	1997	1998	1999	2000
Members	133	136	140	129	128
<i>of which: live</i>	133	136	140	129	128
Sub-members	91	96	98	94	104
<i>of which: live</i>	91	95	97	93	103
Participants	15	22	27	46	36
<i>of which: live</i>	14	21	27	44	35
Total users	239	254	265	269	268
<i>of which: live</i>	238	252	264	266	266
<i>Memorandum items:</i>					
Total SWIFT users	5,918	6,372	6,771	6,991	7,293
<i>members</i>	3,014	3,070	3,052	2,230	2,307
<i>sub-members</i>	2,500	2,621	2,781	2,825	3,037
<i>participants</i>	404	681	938	1,936	1,949

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	26,798,560	29,937,227	32,047,536	37,297,667	40,194,993
<i>of which:</i>					
<i>category I</i>	5,474,056	5,543,351	5,632,633	6,098,427	6,342,716
<i>category II</i>	5,326,415	5,581,169	5,898,077	6,243,182	6,311,455
Total messages received	25,694,551	29,868,982	34,212,891	38,783,651	40,789,871
<i>of which:</i>					
<i>category I</i>	3,255,693	3,525,671	3,708,359	4,151,489	4,473,022
<i>category II</i>	7,932,287	9,045,326	11,075,669	11,079,395	10,027,906
Domestic traffic	2,996,981	3,446,830	4,441,480	5,967,355	6,060,884
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population (thousands)	15,523	15,607	15,703	15,808	15,920
GDP (EUR billions) ¹	324.48	332.65	351.65	373.66	401.09
GDP per capita (EUR) ¹	20,903	21,314	22,394	23,637	25,194
Exchange rate (NLG/USD): ²					
<i>year-end</i>	1.7452	2.0198	1.8851	2.1936	2.3683
<i>average</i>	1.6850	1.9524	1.9831	2.0677	2.3860
Exchange rate (EUR/USD): ³					
<i>year-end</i>	(0.7988)	(0.9068)	(0.8554)	0.99542	1.07469
<i>average</i>	(0.7875)	(0.8831)	(0.8934)	0.93826	1.08272

¹ Prior to 1999, converted using the NLG/ECU exchange rate (see also footnote 3). Thereafter, and for all other data in these country tables which are expressed in euro, the irrevocable conversion rate (see footnote 2 below) of 2.20371 NLG/EUR has been used. ² Irrevocable conversion rates were adopted with the introduction of the euro on 1 January 1999. ³ Figures in brackets are ECU/USD. On 31 December 1998, 1 EUR was set to equal 1 ECU.

Table 2
Settlement media used by non-banks
End of year, in billions of EUR

	1996	1997	1998	1999	2000
Notes and coin	17.38	17.58	17.12	17.32	16.93
Transferable deposits	79.43	94.41	104.17	118.29	131.81
Narrow money supply (M1) ¹	96.80	111.98	121.30	135.61	148.74
<i>Memorandum items:</i>					
Broad money supply ²	254.96	269.40	294.82	319.69	352.84
Outstanding value on e-money schemes	nav	nav	0.03	0.03	0.03
<i>of which:</i>					
<i>on card-based products</i>	nav	nav	0.03	0.03	0.03
<i>on network-based products</i>	nap	nap	nap	nap	nap

¹ M1 includes transferable deposits in foreign currencies. ² Currency in circulation + transferable deposits + deposits with agreed maturity up to two years + deposits redeemable at notice up to three months.

Table 3
Settlement media used by banks
 End of year, in billions of EUR

	1996	1997	1998	1999	2000
Transferable balances held at central bank ¹	0.03	2.78	7.79	7.30	9.33
<i>of which:</i>					
<i>required reserves</i> ²	<i>nap</i>	2.77	7.78	9.95	11.23
<i>free reserves</i>	0.03	0.01	0.01	-2.64	-1.90
Transferable balances held at other banks ³	1.41	1.08	21.41	16.34	30.52
<i>Memorandum item:</i>					
Institutions' borrowing from central bank ⁴	7.25	5.12	8.45	0.91	0.91

¹ Does not include institutions' borrowing from the central bank. ² Over the period end-December-end-January. ³ Data for 1998 on transferable deposits at other institutions are not available owing to a change in reporting to the Netherlands Bank. ⁴ Until 1998, special loans and advances; from 1999 on, marginal lending facility.

Table 4
Banknotes and coin
 End of year, in billions of EUR and NLG

	1996		1997		1998		1999		2000	
	EUR	NLG	EUR	NLG	EUR	NLG	EUR	NLG	EUR	NLG
Total banknotes issued	17.68	38.96	17.85	39.34	17.29	38.10	17.72	39.04	17.44	38.42
<i>of which:</i>										
<i>NLG 1,000</i>	6.53	14.39	6.58	14.51	6.18	13.61	6.22	13.71	6.03	13.28
<i>NLG 250</i>	2.45	5.39	2.41	5.31	2.27	5.00	2.20	4.86	2.06	4.53
<i>NLG 100</i>	6.62	14.59	6.73	14.83	6.72	14.80	7.09	15.63	7.11	15.67
<i>NLG 50</i>	0.78	1.71	0.80	1.77	0.78	1.73	0.80	1.76	0.82	1.80
<i>NLG 25</i>	0.92	2.02	0.92	2.03	0.94	2.07	0.99	2.17	1.01	2.22
<i>NLG 10</i>	0.36	0.80	0.38	0.84	0.38	0.84	0.39	0.86	0.40	0.88
<i>NLG 5</i>	0.02	0.05	0.02	0.05	0.02	0.05	0.02	0.05	0.02	0.05
Total coin issued	1.23	2.71	1.25	2.76	1.27	2.79	1.27	2.79	1.29	2.85
<i>of which:</i>										
<i>NLG 5</i>	0.43	0.95	0.44	0.97	0.44	0.98	0.44	0.96	0.44	0.98
<i>NLG 2.50</i>	0.22	0.48	0.22	0.48	0.22	0.48	0.22	0.48	0.22	0.48
<i>NLG 1.00</i>	0.31	0.69	0.32	0.70	0.32	0.71	0.33	0.72	0.34	0.75
<i>NLG 0.25</i>	0.14	0.30	0.14	0.32	0.15	0.33	0.15	0.33	0.16	0.34
<i>NLG 0.10</i>	0.10	0.21	0.10	0.21	0.10	0.21	0.10	0.22	0.10	0.23
<i>NLG 0.05</i>	0.03	0.08	0.04	0.08	0.04	0.08	0.04	0.08	0.04	0.08
Total banknotes and coin issued	18.91	41.67	19.10	42.09	18.55	40.89	18.98	41.83	18.73	41.28
Banknotes and coin held by credit institutions	1.53	3.38	1.53	3.36	1.43	3.15	1.67	3.67	1.80	3.97
Banknotes and coin in circulation outside credit institutions	17.38	38.29	17.58	38.73	17.12	37.73	17.32	38.16	16.93	37.31

Table 5
Institutional framework
 End of 2000

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (EUR billions)
Central bank	1	4	nap	nap	nap
Credit institutions ¹	113	3,790	22,100	nav	131.8
Postal institution	nap	2,188	nap	nap	nap
Total	114	5,982	22,100	nav	131.8
<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	35	nap	nav	nav	nav

¹ 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, except for the number of branches.

Table 6
Payment card functions and accepting devices
 End of year

	1996	1997	1998	1999	2000
Cash function					
Cards with a cash function (thousands)	20,400	23,500	24,000	25,000	25,400
Number of networks	2	2	1	1	1
Number of ATMs with a cash dispensing function	6,150	6,397	6,568	6,673	6,921
<i>of which:</i>					
<i>open access</i>	<i>nap</i>	<i>nap</i>	6,568	6,673	6,921
<i>limited access</i>	6,150	6,397	<i>nap</i>	<i>nap</i>	<i>nap</i>
Volume of transactions (millions)	400	404	425	450	470
<i>of which:</i>					
<i>at ATMs with open access</i>	<i>nap</i>	<i>nap</i>	425	450	470
<i>at ATMs with limited access</i>	400	404	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (EUR billions)	34.1	34.3	36.7	39.6	40.7
<i>of which:</i>					
<i>at ATMs with open access</i>	<i>nap</i>	<i>nap</i>	36.7	39.6	40.7
<i>at ATMs with limited access</i>	34.1	34.3	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of ATMs with a giro transfer function	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Volume of transactions	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Debit function					
Cards with a debit function (thousands)	18,460	19,700	19,900	20,600	20,900
<i>of which: retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	2	2	1	1	1
Number of terminals	96,044	120,106	134,000	145,575	155,620
Volume of transactions (millions)	370.9	485.5	595.0	700.3	801.5
<i>of which: 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)	16.0	21.0	25.8	32.0	37.3
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit function					
Cards with a credit function ¹	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>of which: retailer cards</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	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Volume of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

¹ Included under cards with a delayed debit function.

Table 6 (cont)

	1996	1997	1998	1999	2000
Electronic money function					
Cards with an e-money function (thousands)	1,400	9,500	17,900	20,100	20,800
Number of accepting terminals	48,000	105,401	141,916	145,000	190,000
Number of networks	2	2	2	2	2
Number of purchase transactions (millions)	nav	6	17	22	25
Value of purchase transactions (EUR billions) ²	nav	nav	0.01	0.02	0.02
Number of loading transactions	nav	nav	nav	nav	nav
Number of loading terminals ³	nav	6,725	7,015	7,086	7,200
Value of money loaded	nav	nav	nav	nav	nav
Float (EUR billions)	nav	nav	0.03	0.03	0.03
Delayed debit cards (charge cards)					
Cards with a delayed debit function (thousands) ⁴	1,900	3,800	4,100	4,400	4,500
Number of terminals	nav	nav	nav	nav	nav
Volume of transactions (millions)	43.9	48.3	48.9	53.1	57.1
Value of transactions (EUR billions)	4.0	4.5	4.4	5.0	6.0
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	20,400	23,500	24,000	25,000	25,400
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function</i>	1,400	9,500	17,900	20,100	20,800
<i>cards with a cheque guarantee function</i>	nav	nav	nav	nav	nav

² Estimate. ³ Excludes about 20,000 public phones, 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**
 In millions

	1996	1997	1998	1999	2000
Interpay	1,588.5	1,782.9	2,012.3	2,152.5	2,328.4
<i>of which:</i>					
<i>cheques</i>	50.6	39.9	29.3	16.7	8.8
<i>other</i>	1,537.9	1,743.0	1,983.0	2,135.8	2,319.6
TOP	2.8	3.2	3.5	3.3	3.7
Concentration ratio (in %):					
Interpay	96	96	96	96	93
TOP	nav	nav	72	62	60

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

	1996	1997	1998	1999	2000
Interpay	1,052.5	1,143.5	1,237.9	1,344.5	1,457.8
<i>of which:</i>					
<i>cheques</i>	3.8	2.9	2.2	1.4	0.8
<i>other</i>	1,048.7	1,140.6	1,235.7	1,343.1	1,457.1
TOP	10,261.7	12,566.5	15,254.6	15,384.7	18,366.4
Concentration ratio (in %):					
Interpay	92	92	92	92	92
TOP	nav	nav	65	46	46

Table 9
**Indicators of use of various cashless payment instruments:
 volume of transactions**
 In millions

	1996	1997	1998	1999	2000
Instruments¹					
Cheques	84.3	64.9	46.6	26.7	14.2
<i>of which:</i>					
<i>face-to-face</i>	84.3	64.9	46.6	26.7	14.2
<i>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card	370.9	485.5	595.0	700.3	801.5
<i>of which:</i>					
<i>face-to-face</i>	370.9	485.5	595.0	700.3	801.5
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by credit card ²	43.9	48.3	48.9	53.1	57.1
<i>of which:</i>					
<i>face-to-face</i>	43.9	48.3	48.9	53.1	57.1
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers	1,033.5	1,053.1	1,075.5	1,086.2	1,140.4
<i>of which:</i>					
<i>face-to-face</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits	591.9	642.8	722.6	785.0	836.2
<i>of which:</i>					
<i>face-to-face</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
<i>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Card-based electronic money	<i>nav</i>	<i>nav</i>	17.0	22.0	25.0
Network-based electronic money	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Total	2,124.5	2,294.6	2,505.6	2,673.3	2,874.3

¹ Excludes items initiated by banks; this data is not available. ² Includes cards with a delayed debit function.

Table 10
**Indicators of use of various cashless payment instruments:
 value of transactions**
 In billions of EUR

	1996	1997	1998	1999	2000
Instruments¹					
Cheques	5.9	4.6	3.4	2.1	1.8
<i>of which:</i>					
<i>face-to-face</i>	5.9	4.6	3.4	2.1	1.8
<i>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card	16.0	21.0	25.8	32.0	37.3
<i>of which:</i>					
<i>face-to-face</i>	16.0	21.0	25.8	32.0	37.3
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by credit card ²	4.0	4.5	4.4	5.0	6.0
<i>of which:</i>					
<i>face-to-face</i>	4.0	4.5	4.4	5.0	6.0
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers	1,903.1	2,186.3	2,419.9	2,550.5	2,973.8
<i>of which:</i>					
<i>face-to-face</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits	102.5	113.8	125.7	141.0	162.0
<i>of which:</i>					
<i>face-to-face</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Card-based electronic money	<i>nav</i>	<i>nav</i>	0.1	0.1	0.1
Network-based electronic money	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Total	2,031.5	2,330.2	2,579.2	2,730.6	3,180.8

¹ Excludes items initiated by banks; this data is not available. ² Includes cards with a delayed debit function.

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

	1996	1997	1998	1999	2000
Trading platforms					
Euronext Amsterdam	nav	nav	nav	nav	nav
Clearing houses					
Euronext Amsterdam Effectenclearing	2,500	3,998	6,095	7,752	12,278
Euronext Amsterdam Optieclearing	26,975	46,166	61,447	46,603	58,355
Securities settlement systems					
Necigef	1,325	1,685	2,061	2,357	3,170
<i>of which:</i>					
<i>deliveries against payment</i>	286	529	764	982	1,435
<i>free transfers</i>	1,039	1,156	1,297	1,375	1,735

Table 11b
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:
value of transactions**
In billions of EUR

	1996	1997	1998	1999	2000
Trading platforms					
Euronext Amsterdam	nav	nav	nav	nav	nav
Clearing houses					
Euronext Amsterdam Effectenclearing	446	502	633	749	898
Euronext Amsterdam Optieclearing	18	51	74	54	66
Securities settlement systems					
Necigef	134	258	420	619	933
<i>of which:</i>					
<i>deliveries against payment</i>	134	258	420	619	933
<i>free transfers</i>	nap	nap	nap	nap	nap

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

	1996	1997	1998	1999	2000
Trading platforms					
Euronext Amsterdam Effectenbeurs					
Banks	nav	nav	nav	68	80
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	36	33
<i>foreign</i>	nav	nav	nav	32	47
Brokers/dealers	nav	nav	nav	72	198
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	42	172
<i>foreign</i>	nav	nav	nav	30	26
Others	nav	nav	nav	3	12
Total	nav	nav	nav	143	290
Euronext Amsterdam Optiebeurs					
Banks	nav	nav	nav	48	52
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	37	28
<i>foreign</i>	nav	nav	nav	11	24
Brokers/dealers	nav	nav	nav	112	192
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	109	164
<i>foreign</i>	nav	nav	nav	3	28
Others	nav	nav	nav	66	0
Total	nav	nav	nav	226	244
Clearing houses					
Euronext Amsterdam Effectenclearing					
Banks	nav	nav	nav	29	24
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	27	19
<i>foreign</i>	nav	nav	nav	2	5
Brokers/dealers	nav	nav	nav	5	1
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	4	1
<i>foreign</i>	nav	nav	nav	1	0
Others	nav	nav	nav	1	0
Total	nav	nav	nav	35	25
Euronext Amsterdam Optieclearing					
Banks	nav	nav	nav	12	11
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	9	8
<i>foreign</i>	nav	nav	nav	3	3
Brokers/dealers	nav	nav	nav	2	1
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	1	1
<i>foreign</i>	nav	nav	nav	1	0
Others	nav	nav	nav	1	0
Total	nav	nav	nav	15	12

Table 11c (cont)

	1996	1997	1998	1999	2000
Securities settlement systems					
Necigef					
Banks	nav	nav	nav	55	44
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	49	30
<i>foreign</i>	nav	nav	nav	6	14
Brokers/dealers	nav	nav	nav	3	1
<i>of which:</i>					
<i>domestic</i>	nav	nav	nav	3	1
<i>foreign</i>	nav	nav	nav	0	0
Others	nav	nav	nav	9	16
Total	nav	nav	nav	67	61

Table 11d
Outstanding securities
End of year

	1996	1997	1998	1999	2000
Euronext Amsterdam Effectenbeurs					
Value of stocks listed (EUR billions)	358	506	603	812	782
Value of bonds listed (EUR billions)	nav	nav	nav	nav	265
Number of stock listed	618	651	800	972	754
Number of bonds listed	nav	nav	nav	nav	1,080
Euronext Amsterdam Optiebeurs					
Value of outstanding contracts (EUR billions)	nav	nav	nav	nav	nav
Number of options listed	nav	nav	nav	nav	64
Necigef					
Nominal values registered (EUR billions) ¹	214	228	253	270	244
Number of securities registered	1,239	1,298	1,846	2,266	3,498

¹ For 2000, excludes equity.

Table 11e
Netting ratio in clearing systems

Details are not available.

Table 12
Participation in SWIFT by domestic institutions

	1996	1997	1998	1999	2000
Members	29	30	28	23	25
<i>of which: live</i>	28	29	27	23	25
Sub-members	34	35	37	41	40
<i>of which: live</i>	34	32	36	39	39
Participants	3	5	9	19	25
<i>of which: live</i>	3	4	9	17	24
Total users	66	70	74	83	90
<i>of which: live</i>	65	65	72	79	88
<i>Memorandum item:</i>					
Total SWIFT users	5,918	6,372	6,771	6,991	7,293
<i>members</i>	3,014	3,070	3,052	2,230	2,307
<i>sub-members</i>	2,500	2,621	2,781	2,825	3,037
<i>participants</i>	404	681	938	1,936	1,949

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	18,667,326	21,967,507	26,868,470	36,397,480	54,030,456
<i>of which:</i>					
<i>category I</i>	7,032,141	7,544,714	8,398,068	9,908,769	11,497,895
<i>category II</i>	3,420,058	3,951,510	4,500,328	4,752,522	5,199,292
Total messages received	17,802,379	20,199,570	23,965,593	32,988,955	44,647,913
<i>of which:</i>					
<i>category I</i>	5,726,242	6,205,747	6,775,293	8,059,671	9,169,236
<i>category II</i>	2,362,906	2,602,689	2,856,930	3,180,250	3,453,876
Domestic traffic	2,052,952	2,456,699	3,051,321	7,061,953	12,773,787
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population (thousands)	3,670	3,794	3,922	3,951	4,018
GDP (SGD millions)	128,201	140,228	137,464	142,111	159,042
GDP per capita (SGD)	34,928	36,963	35,050	35,969	39,585
Exchange rate (SGD/USD): year-end	1.3998	1.6755	1.6605	1.6660	1.7315
average	1.4089	1.4973	1.6730	1.6975	1.7288

Table 2
Settlement media used by non-banks
End of year, in millions of SGD

	1996	1997	1998	1999	2000
Notes and coin ¹	10,293	10,704	10,146	11,315	11,289
Transferable deposits ²	16,747	16,807	17,093	19,794	21,973
Narrow money supply (M1) ³	27,040	27,511	27,239	31,109	33,262
<i>Memorandum items:</i>					
Broad money supply (M3) ⁴	148,495	160,766	173,581	186,184	182,913
Transferable deposits in foreign currencies	759	809	485	551	563
Outstanding value on e-money schemes <i>of which:</i>					
<i>on card-based products</i> ⁵	2	6	24	28	38
<i>on network-based products</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>

¹ Currency in active circulation. ² Demand deposits of private non-bank customers resident in Singapore. ³ Currency in active circulation and demand deposits. ⁴ Sum of M1, finance companies and Post Office Savings Bank's (POSB) net deposits with non-bank financial institutions as well as total quasi money. POSB merged with the Development Bank of Singapore Limited in 1998. ⁵ Outstanding NETS CashCard proceeds.

Table 3
Settlement media used by banks
End of year, in millions of SGD

	1996	1997	1998	1999	2000
Transferable balances held at central bank	7,095	7,702	5,431	7,524	5,691
<i>of which:</i>					
<i>required reserves</i>	7,052	7,606	4,339	5,942	5,376
<i>free reserves</i>	43	96	1,092	1,582	315
Transferable balances held at other banks	nav	nav	nav	nav	nav
<i>Memorandum item:</i>					
Institutions' borrowing from central bank	0	255	63	30	165

Table 4
Banknotes and coin
 End of year, in millions of SGD

	1996	1997	1998	1999	2000
Total banknotes issued	10,512	10,919	10,496	13,194	12,078
<i>of which:</i>					
SGD 10,000	1,301	1,347	1,084	1,288	1,140
SGD 1,000	2,839	3,058	2,947	3,618	3,339
SGD 500	631	617	585	521	415
SGD 100	685	684	667	785	807
SGD 50	3,568	3,673	3,661	5,169	4,565
SGD 25	10	10	10	10	10
SGD 20	160	141	132	129	127
SGD 10	728	776	786	987	949
SGD 5	141	148	152	171	180
SGD 2	288	307	316	362	392
SGD 1	161	158	156	155	154
Total coin issued	588	630	643	673	694
<i>of which:</i>					
SGD 5	7	7	7	7	7
SGD 1	245	270	278	300	316
SGD 0.50	125	133	135	137	138
SGD 0.20	100	104	105	107	108
SGD 0.10	86	89	89	91	92
SGD 0.05	20	22	23	24	26
SGD 0.01	5	5	6	6	7
Total banknotes and coin issued	11,276	11,733	11,338	14,209	13,017
Banknotes and coin held by credit institutions ¹	811	802	998	2,557	1,489
Banknotes and coin in circulation outside credit institutions ²	10,293	10,704	10,146	11,315	11,289

¹ Cash at banks. ² Currency in active circulation.

Table 5
Institutional framework
 End of 2000

Categories	Number of institutions	Number of branches	Number of accounts	Number of internet-linked accounts	Value of accounts (SGD billions)
Central bank	1	3 ¹	140 ²	nap	5.69
Credit institutions	217 ³	702 ³	nav	nav	184.96 ⁴
<i>of which:</i>					
<i>banks</i> ²	140 ³	538 ³	nav	nav	171.32 ⁴
<i>merchant banks</i>	63 ³	63 ³	nav	nav	nav
<i>finance companies</i>	14 ³	101 ³	nav	nav	13.65
Postal institution	nap	nap	nap	nap	nap
Total	218	705	140	nav	190.65
<i>of which:</i>					
<i>virtual institutions</i>	1	nap	nav	nav	nav
Branches of foreign banks	132 ³	201 ³	nav	nav	nav

¹ Representative offices in New York and London. Includes main office in Singapore. ² Includes local and foreign banks. ³ As at end-March 2000. ⁴ Non-bank customer deposits.

Table 6
Payment card functions and accepting devices
 End of year

	1996	1997	1998	1999	2000
Cash function					
Cards with a cash function (thousands) ¹	2,824	2,956	3,014	3,177	2,982
Number of networks ²	2	2	2	2	2
Number of ATMs with a cash dispensing function	1,735 ³	1,894	1,893	1,855	1,794
<i>of which:</i>					
<i>open access</i>	<i>nav</i>	<i>nav</i>	858	849	815
<i>limited access</i>	<i>nav</i>	<i>nav</i>	1,035	1,006	979
Volume of transactions (millions) ⁴	13.80	15.20	15.50	10.10	8.54
<i>of which:</i>					
<i>at ATMs with open access</i>	13.80	15.20	15.50	10.10	8.54
<i>at ATMs with limited access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (SGD billions) ⁴	3.00	3.40	3.50	2.40	2.04
<i>of which:</i>					
<i>at ATMs with open access</i>	3.00	3.40	3.50	2.40	2.04
<i>at ATMs with limited access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of ATMs with a giro transfer function	1,735 ³	1,894	1,893	1,855	1,794
Volume of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Debit function					
Cards with a debit function (thousands) ¹	2,824	2,956	3,014	3,177	2,982
<i>of which: retailer cards</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks ⁵	1	1	1	1	1
Number of terminals ⁵	13,083	15,002	16,034	17,804	19,490
Volume of transactions (millions) ⁵	42.39	50.86	57.90	65.74	76.93
<i>of which: transactions with retailer cards</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions (SGD billions) ⁵	2.79	3.44	3.53	4.10	4.75
<i>of which: transactions with retailer cards</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Credit function⁶					
Cards with a credit function (thousands) ⁷	6,595	7,212	7,880	8,587	9,410
<i>of which: retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of networks	5	5	5	5	5
Number of terminals	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Volume of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (SGD billions)	6.99	7.92	7.69	8.95	10.56
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

Table 6 (cont)

	1996	1997	1998	1999	2000
Electronic money function					
Cards with an e-money function (thousands)	151	683	2,193	3,464	4,697
Number of accepting terminals	647	6,491	10,594	14,196	16,270
Number of networks	1	1	1	1	1
Number of purchase transactions (millions)	0.03	0.68	26.32	76.96	100.10
Value of purchase transactions (SGD millions)	0.3	9.4	36.2	87.3	172.6
Number of loading transactions	nav	nav	nav	nav	nav
Number of loading terminals	nav	nav	nav	nav	nav
Value of money loaded	nav	nav	nav	nav	nav
Float (SGD millions)	2.3	6.0	23.5	28.0	37.9

¹ Based on survey data from eight local and foreign banks. ² Does not include proprietary networks of individual foreign banks. ³ As at March 1996. ⁴ Interbank transactions only. ⁵ NETS EFTPOS figures. ⁶ Includes credit and charge cards. ⁷ Includes main and supplementary cards.

Table 7

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

In millions

	1996	1997	1998	1999	2000
Singapore dollar cheque clearing system	82.50	87.52	87.34	92.18	91.26
Concentration ratio (%)	nav	nav	nav	74	76
US dollar cheque clearing system	0.11	0.19	0.28	0.38	0.39
Concentration ratio (%)	nav	nav	nav	63	60
IBG clearing system	32.11	36.48	34.44	29.38	29.98
Concentration ratio (%)	nav	nav	nav	77	75
EFTPOS	42.39	50.86	57.90	65.74	76.93
Concentration ratio (%)	nav	100	100	100	100
Shared ATM	13.80	15.20	15.50	10.10	8.54
Concentration ratio (%)	100	100	100	100	100
SHIFT/MEPS ¹	1.54	1.80	1.88	1.87	1.91
Concentration ratio (%)	nav	nav	nav	nav	52

¹ MEPS replaced SHIFT in July 1998.

Table 8
**Payment instructions handled by selected interbank funds transfer systems:
 value of transactions**
 In billions of SGD

	1996	1997	1998	1999	2000
Singapore dollar cheque clearing system	581.1	608.4	459.2	489.3	453.2
Concentration ratio (%)	nav	nav	nav	62	64
US dollar cheque clearing system ¹	4.9	11.0	12.2	15.1	21.1
Concentration ratio (%)	nav	nav	nav	36	34
IBG clearing system	60.0	73.8	69.5	66.1	72.1
Concentration ratio (%)	nav	nav	nav	72	69
EFTPOS	2.8	3.4	3.5	4.1	4.7
Concentration ratio (%)	nav	100	100	100	100
Shared ATM	3.0	3.4	3.5	2.4	2.0
Concentration ratio (%)	100	100	100	100	100
SHIFT/MEPS ²	7,612.7	9,729.3	9,042.9	9,236.6	9,580.5
Concentration ratio (in %)	nav	nav	nav	nav	nav

¹ Aggregated figures converted at end-of-year exchange rates. ² MEPS replaced SHIFT in July 1998.

Table 9
**Indicators of use of various cashless payment instruments:
 volume of transactions**
 In millions

	1996	1997	1998	1999	2000
Instruments					
Cheques ^{1,2}	82.61	87.71	87.62	92.56	91.65
<i>of which:</i>					
<i>face-to-face</i>	82.61	87.71	87.62	92.56	91.65
<i>PC or other terminal</i>	nap	nap	nap	nap	nap
<i>telebanking</i>	nap	nap	nap	nap	nap
<i>mobile phone</i>	nap	nap	nap	nap	nap
Payments by debit card ³	56.19	66.06	73.40	75.84	85.47
<i>of which:</i>					
<i>face-to-face</i>	nap	nap	nap	nap	nap
<i>PC or other terminal</i>	nap	nap	nap	nap	nap
<i>telebanking</i>	56.19	66.06	73.40	75.84	85.47
<i>mobile phone</i>	nap	nap	nap	nap	nap
Payments by credit card	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Credit transfers ^{1,4}	13.55	15.08	15.65	13.89	14.60
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Direct debits ^{1,5}	20.10	23.20	20.66	17.36	17.29
<i>of which:</i>					
<i>face-to-face</i>	nap	nap	nap	nap	nap
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	20.10	23.20	20.66	17.36	17.29
<i>mobile phone</i>	nap	nap	nap	nap	nap
Card-based electronic money	0.03	0.68	26.32	76.96	100.10
Network-based electronic money	nap	nap	nap	nap	nap
Total	172.48	192.73	223.65	276.60	309.11

¹ Interbank transactions only. ² Includes both SGD and USD cheques. ³ Sum of shared ATM and EFTPOS transactions. ⁴ Sum of IBG and MEPS transactions. ⁵ Interbank Giro transactions.

Table 10
**Indicators of use of various cashless payment instruments:
 value of transactions**
 In billions of SGD

	1996	1997	1998	1999	2000
Instruments					
Cheques ^{1,2,3}	586.0	619.4	471.5	504.4	474.3
<i>of which:</i>					
<i>face-to-face</i>	586.0	619.4	471.5	504.4	474.3
<i>PC or other terminal</i>	nap	nap	nap	nap	nap
<i>telebanking</i>	nap	nap	nap	nap	nap
<i>mobile phone</i>	nap	nap	nap	nap	nap
Payments by debit card ⁴	5.8	6.8	7.0	6.5	6.8
<i>of which:</i>					
<i>face-to-face</i>	nap	nap	nap	nap	nap
<i>PC or other terminal</i>	nap	nap	nap	nap	nap
<i>telebanking</i>	5.8	6.8	7.0	6.5	6.8
<i>mobile phone</i>	nap	nap	nap	nap	nap
Payments by credit card ⁵	7.0	7.9	7.7	8.9	10.6
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Credit transfers ^{1,6}	7,657.8	9,784.5	9,096.9	9,287.6	9,633.9
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	7,657.8	9,784.5	9,096.9	9,287.6	9,633.9
<i>mobile phone</i>	nav	nav	nav	nav	nav
Direct debits ^{1,7}	14.9	18.6	15.5	15.1	18.7
<i>of which:</i>					
<i>face-to-face</i>	nap	nap	nap	nap	nap
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	14.9	18.6	15.5	15.1	18.7
<i>mobile phone</i>	nap	nap	nap	nap	nap
Card-based electronic money	neg	0.0	0.0	0.1	0.2
Network-based electronic money	nap	nap	nap	nap	nap
Total	8,271.4	10,437.4	9,598.7	9,822.6	10,144.5

¹ Interbank transactions only. ² Includes both SGD and USD cheques. ³ USD cheques converted at end-of-year exchange rates. ⁴ Sum of shared ATM and EFTPOS transactions. ⁵ Includes credit and charge cards. ⁶ Sum of IBG and MEPS transactions. ⁷ Interbank Giro transactions.

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

	1996	1997	1998	1999	2000
Trading platforms					
SGX (millions of securities traded)	33,066	52,232	74,244	155,803	99,301
Clearing houses and securities settlement systems					
CDP (millions of securities)	33,066	52,232	74,244	155,803	99,301
DCSS	nap	nap	92	627	1,666
SHIFT/MEPS (millions of Government Securities) ¹	0.02	0.02	0.02	0.02	0.02

¹ MEPS replaced SHIFT in July 1998.

Table 11b
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:
value of transactions**
In billions of SGD

	1996	1997	1998	1999	2000
Trading platforms					
SGX	88.8	114.3	98.7	196.9	172.0
Clearing houses and securities settlement systems					
CDP	88.8	114.3	98.7	196.9	172.0
DCSS	nap	nap	0.2	0.9	5.0
SHIFT/MEPS ¹	nav	nav	62.0 ²	144.1	173.5

¹ MEPS replaced SHIFT in July 1998. ² From July to December 1998.

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

	1996	1997	1998	1999	2000
Trading platforms					
SGX					
Members companies	33	33	31	30	32
Stockbroking members	118	122	108	111	126
Dealers	830	867	868	1,052	1,118
Remisers	2,265	2,323	2,240	2,443	2,530
Clearing houses and securities settlement systems					
CDP depositors (in thousands) ¹	920	948	980	1,012	1,080
CDP depository agents ¹	99	93	95	90	87
DCSS	nap	nap	53	57	63
SHIFT/MEPS ²	143	152	154	142	140

¹ As at end-June. ² As at end-March. MEPS replaced SHIFT in July 1998.

Table 11d
Outstanding securities
End of year

	1996	1997	1998	1999	2000
SGX					
Value of equities issued (SGD billions)	495	495	355	605	539
Volume of equities issued (billions)	206	242	177	209	260
Value of equities registered	nav	nav	nav	nav	nav
Volume of equities registered	nav	nav	nav	nav	nav
Value of debt instruments issued (SGD billions)	226	289	302	331	379
Volume of debt instruments issued	nap	nap	nap	nap	nap
Value of debt instruments registered	nav	nav	nav	nav	nav
Volume of debt instruments registered	nap	nap	nap	nap	nap
SGS					
Value of bills issued (SGD billions)	6	7	9	12	13
Value of bonds issued (SGD billions)	15	15	20	23	30

Table 11e
Netting ratio in clearing systems

Details are not available.

Table 12
Participation in SWIFT by domestic institutions

	1996	1997	1998	1999	2000
Members	11	11	11	9	9
<i>of which: live</i>	11	11	11	9	9
Sub-members	144	151	147	143	155
<i>of which: live</i>	138	150	147	142	153
Participants	22	31	30	29	17
<i>of which: live</i>	18	30	28	26	17
Total users	177	193	188	181	181
<i>of which: live</i>	167	191	186	177	179
<i>Memorandum items:</i>					
Total SWIFT users	5,918	6,372	6,771	6,991	7,293
<i>members</i>	3,014	3,070	3,052	2,230	2,307
<i>sub-members</i>	2,500	2,621	2,781	2,825	3,037
<i>participants</i>	404	681	938	1,936	1,949

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	16,540,708	20,176,619	20,496,304	19,605,115	19,704,571
<i>of which:</i>					
<i>category I</i>	2,075,609	2,467,353	2,703,967	2,850,270	3,081,371
<i>category II</i>	5,610,871	6,649,303	6,329,519	5,413,338	5,056,522
Total messages received	13,523,765	16,879,155	17,368,296	17,076,540	17,289,679
<i>of which:</i>					
<i>category I</i>	1,996,543	2,348,770	2,563,877	2,769,245	3,003,539
<i>category II</i>	834,138	1,069,373	1,218,703	1,294,665	1,343,237
Domestic traffic	2,319,314	3,021,048	3,233,407	2,816,726	2,773,707
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population (thousands)	8,841	8,846	8,851	8,858	8,871
GDP (SEK billions)	1,756	1,824	1,905	2,005	2,096
GDP per capita (SEK)	198,661	206,172	215,269	226,310	236,552
Exchange rate (SEK/USD):					
<i>year-end</i>	6.8859	7.9082	8.0770	8.5250	9.5350
<i>average</i>	6.7062	7.6364	7.9524	8.2671	9.1718

Table 2
Settlement media used by non-banks
End of year, in billions of SEK

	1996	1997	1998	1999	2000
Notes and coin	72.0	74.1	77.9	87.2	89.3
Transferable deposits	730.2	733.6	756.0	806.2	839.6
Other ¹	13.4	18.6	9.5	33.7	17.3
Narrow money supply (M1)	nav	nav	nav	nav	nav
<i>Memorandum items:</i>					
Broad money supply (M3) ²	815.5	826.2	843.4	927.0	946.1
Transferable deposits in foreign currencies	27.0	35.1	31.4	44.7	54.2
Outstanding value on e-money schemes	nav	nav	neg	neg	neg
<i>of which:</i>					
<i>on card-based products</i>	nav	nav	neg	neg	neg
<i>on network-based products</i>	nav	nav	neg	neg	neg

¹ Postal giro accounts and certificates of deposits. ² 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 banks
End of year, in billions of SEK

	1996	1997	1998	1999	2000
Transferable balances held at central bank	1.5	2.0	1.7	4.5	0.1
<i>of which:</i>					
<i>required reserves</i>	nap	nap	nap	nap	nap
<i>free reserves</i>	1.5	2.0	1.7	4.5	0.1
Transferable balances held at other banks	73.4	94.5	113.4	94.2	74.7
<i>Memorandum item:</i>					
Institutions' borrowing from central bank	10.5	31.7	29.3	34.4	45.8

Table 4
Banknotes and coin
 End of year, in billions of SEK

	1996	1997	1998	1999	2000
Total banknotes issued	77.1	79.0	82.3	94.2	93.2
<i>of which:</i>					
SEK 1,000	38.6	39.2	41.0	46.8	45.9
SEK 500	25.6	27.2	29.2	35.0	35.5
SEK 100	10.3	9.9	9.4	9.7	8.9
SEK 50	0.9	1.0	1.0	1.0	1.0
SEK 20	1.3	1.4	1.4	1.4	1.5
SEK 10	0.3	0.3	0.3	0.2	0.2
SEK 5	0.1	0.1	0.1	0.1	0.1
Total coin issued	3.7	3.8	4.0	4.2	4.4
Total banknotes and coin issued	80.8	82.8	86.3	98.5	97.7
Banknotes and coin held by credit institutions	8.8	8.7	8.4	11.3	8.4
Banknotes and coin in circulation outside credit institutions	72.0	74.1	77.9	87.2	89.3

Table 5
Institutional framework
 End of 2000

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	46	1,732	nav	nav	779
Savings banks	80	269	nav	nav	61
Co-operative and rural banks	nav	nav	nav	nav	nav
Postal institution	1	1,372	nav	nav	nav
Total	128	3,374	nav	nav	840
<i>of which:</i>					
virtual institutions	2	2	nav	nav	nav
Branches of foreign banks	20	20	nav	nav	44

Table 6
Payment card functions and accepting devices
 End of year

	1996	1997	1998	1999	2000
Cash function					
Cards with a cash function (thousands)	4,613	4,944	4,841	4,610	4,972
Number of networks	1	1	1	1	1
Number of ATMs with a cash dispensing function	2,379	2,370	2,485	2,580	2,617
<i>of which:</i>					
<i>open access</i>	2,379	2,370	2,485	2,580	2,617
<i>limited access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Volume of transactions (millions)	297	312	333	310	320
<i>of which:</i>					
<i>at ATMs with open access</i>	297	312	333	310	320
<i>at ATMs with limited access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (SEK billions)	239	249	287	257	271
<i>of which:</i>					
<i>at ATMs with open access</i>	239	249	287	257	271
<i>at ATMs with limited access</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Number of ATMs with a giro transfer function	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Volume of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Debit function					
Cards with a debit function (thousands)	2,194	2,845	3,396	4,179	4,570
<i>of which: retailer cards</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	61,400	68,800	74,400	81,135	87,133
Volume of transactions (millions)	88	121	160	198	256
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (SEK billions)	57	77	97	119	143
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit function					
Cards with a credit function (thousands)	1,737	1,755	2,165	2,258	2,802
<i>of which: retailer cards</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	61,400	68,800	74,400	81,135	87,133
Volume of transactions (millions)	11	13	16	17	20
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions (SEK billions)	8	10	11	13	16
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

Table 6 (cont)

	1996	1997	1998	1999	2000
Electronic money function					
Cards with an e-money function (thousands)	nav	nav	205	540	593
Number of accepting terminals	nav	nav	33,938	43,921	43,000
Number of networks	nav	nav	1	1	1
Number of purchase transactions (millions)	nav	nav	2.0	4.2	2.9
Value of purchase transactions (SEK billions)	nav	nav	0.1	0.2	0.2
Number of loading transactions (millions)	nav	nav	0.5	1.0	0.6
Number of loading terminals	nav	nav	5,680	6,376	6,918
Value of money loaded (SEK billions)	nav	nav	0.2	0.3	0.2
Float	nav	nav	neg	neg	neg
Delayed debit cards (charge cards)					
Cards with a delayed debit function (thousands)	725	760	787	787	1,009
Number of terminals	61,400	68,800	74,400	81,135	87,133
Volume of transactions (millions)	33	35	36	40	46
Value of transactions (SEK billions)	36	37	40	42	50
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	9,269	10,305	11,226	11,834	12,969
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function</i>	nav	nav	3,396	4,179	4,570
<i>cards with a cheque guarantee function</i>	nav	nav	nav	nav	nav

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

	1996	1997	1998	1999	2000
K-RIX	0.3	0.3	0.3	0.3	0.5
E-RIX ¹	nap	nap	nap	neg	0.1
Bankgirot, BGC	265	290	315	338	351
Dataclearing	113	106	91	85	78
Postgirot	423	435	472	458	454
Concentration ratio	nav	nav	nav	nav	nav

¹ Total volume of domestic and cross-border payments sent via TARGET.

Table 8
**Payment instructions handled by selected interbank funds transfer systems:
 value of transactions**
 In billions of SEK

	1996	1997	1998	1999	2000
K-RIX	78,189	82,051	91,701	100,924	107,210
E-RIX ¹	nap	nap	nap	12,735	14,509
Bankgirot, BGC	2,410	2,623	2,912	3,269	3,733
Dataclearing	2,330	2,388	2,191	1,511	1,348
Postgirot	3,637	4,886	4,796	4,064	4,086
Concentration ratio	nav	nav	nav	nav	nav

¹ Total value of domestic and cross-border payments sent via TARGET.

Table 9
**Indicators of use of various cashless payment instruments:
 volume of transactions¹**
 In millions

	1996	1997	1998	1999	2000
Instruments					
Cheques	40	18	4	4	2
<i>of which:</i>					
<i>face-to-face</i>	40	18	4	4	2
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>televanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Payments by debit card	88	121	160	198	254
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>televanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Payments by credit card ²	44	48	53	57	66
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>televanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Credit transfers	637	660	633	712	715
<i>of which:</i>					
<i>face-to-face</i>	196	208	175	171	154
<i>PC or other terminal</i>	441	452	458	541	561
<i>televanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Direct debits	54	65	74	85	91
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	54	65	74	85	91
<i>televanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Card-based electronic money	nav	nav	2.0	4.2	2.9
Network-based electronic money	nav	nav	nav	nav	nav
Total	863	912	926	1,060	1,131

¹ Excludes items initiated by banks; this data is not available. ² Includes payments by delayed debit card.

Table 10
**Indicators of use of various cashless payment instruments:
 value of transactions¹**
 In billions of SEK

	1996	1997	1998	1999	2000
Instruments					
Cheques	nav	nav	43	30	22
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Payments by debit card	57	77	97	119	142
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Payments by credit card ²	44	47	52	55	66
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Credit transfers	6,732	7,317	7,498	7,108	7,562
<i>of which:</i>					
<i>face-to-face</i>	1,656	1,973	1,407	1,388	1,330
<i>PC or other terminal</i>	5,076	5,344	6,091	5,720	6,232
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Direct debits	202	193	210	227	257
<i>of which:</i>					
<i>face-to-face</i>	nav	nav	nav	nav	nav
<i>PC or other terminal</i>	nav	nav	nav	nav	nav
<i>telebanking</i>	nav	nav	nav	nav	nav
<i>mobile phone</i>	nav	nav	nav	nav	nav
Card-based electronic money	nav	nav	0.2	0.3	0.2
Network-based electronic money	nav	nav	nav	nav	nav
Total	7,035	7,634	7,900	7,539	8,049

¹ Excludes items initiated by banks; this data is not available. ² Includes payments by delayed debit card.

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

	1996	1997	1998	1999	2000
CLICK and SAXESS					
Volume of trades - Derivatives	36.6	42.5	47.9	58.0	57.9
Volume of trades - Avista	3.3	4.8	6.4	8.4	13.8
Stockholmsbörsen Clearing					
Volume of trades cleared	36.6	42.5	47.9	58.0	57.9
VPC AB					
Volume of settlement instructions	3.7	5.3	5.8	8.9	7.7
<i>Government securities</i>	0.6	0.6	0.5	0.4	0.4
<i>Equities</i>	3.1	4.7	5.3	8.5	7.3

Table 11b
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:
value of transactions**
In billions of SEK

	1996	1997	1998	1999	2000
CLICK and SAXESS					
Value of trades	918	1,346	1,830	2,609	4,456
Stockholmsbörsen Clearing					
Value of trades cleared	nav	nav	nav	nav	nav
VPC AB					
Value of settlement instructions	67,937	82,618	97,914	88,376	75,783
<i>Government securities</i>	66,432	80,272	94,782	84,227	68,743
<i>Equities</i>	1,505	2,346	3,132	4,149	7,040

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

	1996	1997	1998	1999	2000
CLICK and SAXESS	45	48	53	57	63
Banks	10	8	8	8	8
<i>of which:</i>					
<i>domestic</i>	10	8	8	8	8
<i>foreign</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Broker/dealer	14	14	13	12	16
<i>of which:</i>					
<i>domestic</i>	14	14	13	12	16
<i>foreign</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Members, banks and brokers foreign owned	9	11	12	12	9
Members, banks and brokers, remote	12	15	20	25	30
Members, derivatives	43	42	40	44	45
OM Stockholm Exchange Clearing					
Banks					
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Broker/dealer					
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
VPC AB	<i>nav</i>	55	57	51	55
Banks	<i>nav</i>	19	19	18	21
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	11	11	11	11
<i>foreign</i>	<i>nav</i>	8	8	7	10
Broker/dealer	<i>nav</i>	21	22	22	25
<i>of which:</i>					
<i>domestic</i>	<i>nav</i>	20	19	19	23
<i>foreign</i>	<i>nav</i>	1	3	3	2
Others	<i>nav</i>	15	16	11	9

Table 11d
Outstanding securities
 End of year

	1996	1997	1998	1999	2000
SAXESS					
Value of stocks listed (SEK billions)	1,687	2,164	2,413	3,717	3,583
Value of other securities listed	nav	nav	nav	nav	nav
Number of stocks listed	229	261	276	300	311
Number of other securities listed	nav	nav	nav	nav	nav
VPC AB					
Value of stocks issued	nav	nav	nav	nav	nav
Value of other securities issued	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

	1996	1997	1998	1999	2000
VPC AB					
Netting ratio for cash over year	0.03	0.02	0.02	0.03	0.03
Netting ratio for securities over year	0.07	0.06	0.05	0.05	0.04

Table 12
Participation in SWIFT by domestic institutions

	1996	1997	1998	1999	2000
Members	9	8	7	7	7
<i>of which: live</i>	8	7	7	7	7
Sub-members	12	13	13	12	11
<i>of which: live</i>	12	13	13	11	11
Participants	3	6	9	13	13
<i>of which: live</i>	2	2	9	13	12
Total users	24	27	29	32	31
<i>of which: live</i>	22	22	29	31	30
<i>Memorandum items:</i>					
Total SWIFT users	5,918	6,372	6,771	6,991	7,293
<i>members</i>	3,014	3,070	3,052	2,230	2,307
<i>sub-members</i>	2,500	2,621	2,781	2,825	3,037
<i>participants</i>	404	681	938	1,936	1,949

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	11,256,498	12,512,774	14,627,952	17,692,144	22,576,913
<i>of which:</i>					
<i>category I</i>	4,349,901	4,890,247	5,389,136	5,889,735	6,496,445
<i>category II</i>	2,400,631	2,576,992	2,866,339	3,168,282	3,432,628
Total messages received	8,992,702	10,296,368	11,844,938	13,950,316	16,844,471
<i>of which:</i>					
<i>category I</i>	3,167,954	3,649,313	4,122,240	4,636,178	5,193,749
<i>category II</i>	2,357,508	2,635,197	2,942,456	3,656,123	4,062,577
Domestic traffic	1,722,933	2,049,871	2,398,305	3,048,117	3,519,450
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population (thousands) ¹	7,105	7,113	7,132	7,167	7,204
GDP (CHF billions)	365.8	371.4	380.0	388.6	404.4
GDP per capita (CHF)	51,490	52,210	53,279	54,216	56,134
Exchange rate (CHF/USD): year-end ² average	1.3271 1.2351	1.4387 1.4509	1.3588 1.4485	1.5819 1.5027	1.6874 1.6886

¹ Yearly average. ² December average.

Table 2
Settlement media used by non-banks
End of year, in billions of CHF

	1996	1997	1998	1999	2000
Notes and coin	29.4	28.9	30.2	31.6	32.0
Transferable deposits ¹	77.9	88.6	95.1	99.8	97.0
Other ²	62.7	67.3	69.3	75.5	73.7
Narrow money supply (M1) ³	170.0	184.8	194.5	206.9	202.7
<i>Memorandum items:</i>					
Broad money supply ⁴	455.7	471.0	473.0	477.5	473.5
Transferable deposits in foreign currencies	12.8	16.0	19.1	23.2	23.9
Outstanding value on e-money schemes <i>of which:</i>	nav	nav	nav	nav	nav
<i>on card-based products</i>	nav	nav	nav	nav	nav
<i>on network-based products</i>	nav	nav	nav	nav	nav

¹ Sight deposits. ² Transaction accounts also used for payment purposes. ³ Notes and coin in circulation plus sight and other transaction deposits. ⁴ M1 plus saving deposits (excluding pension savings) plus time deposits.

Table 3
Settlement media used by banks
End of year, in billions of CHF

	1996	1997	1998	1999	2000
Transferable balances held at central bank ¹	6.1	6.1	7.7	10.5	7.7
Transferable balances held at other banks	29.9	34.4	51.2	41.9	50.3
<i>Memorandum item:</i>					
Institutions' borrowing from central bank (ie Lombard credits)	neg	neg	neg	neg	neg

¹ Banks have to meet a certain liquidity requirement, but this can be held in the form of vault cash, balances at Postfinance or balances at the central bank. Therefore the distinction between required reserves and free reserves is not meaningful.

Table 4
Banknotes and coin
 End of year, in millions of CHF

	1996	1997	1998	1999	2000
Total banknotes issued	32,438.6	32,132.9	33,209.9	37,175.9	35,485.7
<i>of which:</i>					
1,000 francs	15,940.8	15,864.8	17,189.3	19,382.3	18,942.1
500 francs	3,912.3	1,768.0	948.4	603.7	404.8
200 francs	— ¹	3,103.6	4,211.5	5,455.9	5,120.0
100 francs	9,249.2	8,052.7	7,485.3	8,147.1	7,558.7
50 francs	1,594.6	1,627.2	1,655.6	1,797.3	1,738.3
20 francs	1,127.2	1,112.2	1,119.4	1,171.6	1,142.4
10 francs	614.5	604.4	600.4	618.0	579.4
Total coin issued	2,159.7	2,183.9	2,213.9	2,251.2	2,295.2
Total banknotes and coin issued	34,598.3	34,316.8	35,423.8	39,427.1	37,780.9
Banknotes and coin held by credit institutions and Postfinance	5,216.0	5,515.0	5,321.0	7,738.0	5,791.0
Banknotes and coin in circulation outside credit institutions and Postfinance	29,382.3	28,801.8	30,102.8	31,689.1	31,989.9

¹ Introduced on 1 October 1997.

Table 5
Institutional framework
 End of 2000

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (CHF billions)
Central bank ¹	1	6	0.5	nap	6.4 ²
Credit institutions	335	2,849	nav	nav	71.8 ³
Postfinance	1	3,385	2,174	nav	19.9
Total					
<i>of which:</i>					
virtual institutions	1 ⁴	nap	nav	nav	nav
Branches of foreign banks	23	27	nav	nav	0.6
Private banks	17	27	nav	nav	4.1

¹ The Swiss National Bank has two head offices (Berne and Zürich). Only two of the six branches provide cashier services. ² Not included in the figure for M1 in Table 2. ³ This value is less than that included in the figure for transferable deposits in Table 2 due to differences in the way the figures are compiled. ⁴ Only institutions with effective business activities.

Table 6
Payment card functions and accepting devices
 End of year

	1996	1997	1998	1999	2000
Cash function					
Cards with a cash function (thousands)	5,892	6,624	7,104	7,927	8,279
Number of networks ¹	2	2	2	2	2
Number of ATMs with a cash dispensing function	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>open access</i>	3,654	4,290	4,579	4,692	4,866
<i>limited access</i>	nav	nav	nav	nav	nav
Volume of transactions ²	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>at ATMs with open access</i>	74.8	80.9	80.4	87.2	128.1
<i>at ATMs with limited access</i>	nav	nav	nav	nav	nav
Value of transactions ²	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>at ATMs with open access</i>	20.8	21.9	21.0	22.7	25.3
<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
Volume of transactions	nav	nav	nav	nav	nav
Value of transactions	nav	nav	nav	nav	nav
Debit function					
Cards with a debit function (thousands)	4,023	4,298	4,671	5,134	5,227
<i>of which: retailer cards</i>	nav	nav	nav	nav	nav
Number of networks ³	2	2	2	2	2
Number of terminals	33,018	41,498	51,053	61,631	67,541
Volume of transactions (millions)	76.2	96.8	106.0	136.6	172.0
<i>of which: transactions with retailer cards</i>	nav	nav	nav	nav	nav
Value of transactions (CHF billions)	9.1	10.3	9.8	15.6	26.0
<i>of which: transactions with retailer cards</i>	nav	nav	nav	nav	nav
Credit function					
Cards with a credit function (thousands)	2,450	2,635	2,654	3,041	3,131
<i>of which: retailer cards</i>	nav	nav	nav	nav	nav
Number of networks	1	1	1	1	1
Number of terminals	nav	nav	nav	nav	nav
Volume of transactions (millions) ⁴	54.0	60.8	69.9	86.4	75.1
<i>of which: transactions with retailer cards</i>	nav	nav	nav	nav	nav
Value of transactions (CHF billions) ⁴	10.9	12.3	13.8	15.8	14.6
<i>of which: transactions with retailer cards</i>	nav	nav	nav	nav	nav

¹ Bancomat and Postomat systems have been interoperable since autumn 1997. ² From 2000, interbank (ie cleared through a central processor) and in-house (ie not cleared through a central processor) transactions with domestic and foreign credit and debit cards. ³ ec-Direct and Postomat Plus. ⁴ American Express, Diners Club, Eurocard/Mastercard and Visa.

Table 6 (cont)

	1996	1997	1998	1999	2000
Electronic money function					
Cards with an e-money function (thousands)	nap	nap	2,953	3,137	3,355
Number of accepting terminals	nap	nap	18,498	22,948	27,215
Number of networks	nap	nap	1	1	1
Number of purchase transactions (millions)	nap	nap	4.1	10.7	18.0
Value of purchase transactions (CHF billions)	nap	nap	neg	neg	0.1
Number of loading transactions	nap	nap	nav	nav	nav
Number of loading terminals	nap	nap	18,498	22,948	27,215
Value of money loaded	nap	nap	nav	nav	nav
Float	nap	nap	nav	nav	nav
Delayed debit cards (charge cards)					
Cards with a delayed debit function	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 (CHF billions)	nap	nap	nap	nap	nap
<i>Memorandum item:</i>					
Total number of cards in circulation (thousands)	6,544	7,013	7,550	8,266	8,442
<i>of which:</i>					
<i>cards with a combined debit, cash and e-money function</i>	nap	nap	2,958	3,137	3,355
<i>cards with a cheque guarantee function</i>	4,094	4,378	4,760	5,225	5,328

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

	1996	1997	1998	1999	2000
Swiss Interbank Clearing (SIC)	108.0	121.0	134.4	141.7	149.5
Payments on data carrier or file transfer ¹	85.8	93.5	98.8	104.5	105.9
Cheques	5.2	4.3	3.7	3.1	2.4
Concentration ratio in SIC (in %)	49.3	54.1	53.2	52.2	54.5

¹ Includes DTA (data media exchange facility) and LSV (direct debit procedure).

Table 8
**Payment instructions handled by selected interbank funds transfer systems:
 value of transactions**
 In billions of CHF

	1996	1997	1998	1999	2000
Swiss Interbank Clearing (SIC)	38,032.0	45,792.0	46,341.0	43,285.0	44,621.0
Payments on data carrier or file transfer ¹	294.1	314.1	342.8	367.7	384.4
Cheques	21.5	19.1	16.9	14.5	11.6
Concentration ratio in SIC (in %)	74.0	75.1	72.7	70.3	67.7

¹ Includes DTA (data media exchange facility) and LSV (direct debit procedure).

Table 9
**Indicators of use of various cashless payment instruments:
 volume of transactions**
 In millions

	1996	1997	1998	1999	2000
Instruments					
Cheques ¹	10.3	9.3	7.7	6.7	11.2
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by debit card ²	76.2	96.8	106.0	136.6	172.0
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by credit card ³	54.7	60.8	69.9	86.4	71.5
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers ⁴	471.4	505.0	554.0	586.0	545.2
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits ⁵	21.1	25.0	27.0	30.4	46.1
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Card-based electronic money	nap	nap	4.1	10.7	18.0
Network-based electronic money	nap	nap	nap	nap	nap
Total	633.7	696.9	768.7	856.8	863.9

¹ Includes Eurocheques, bank cheques, Swiss banker travellers cheques and, as from 2000, Postcheques. ² Includes ec-Direct and Postcard. ³ Includes American Express, Diners, Eurocard, Mastercard and Visa. ⁴ Partly estimated. Includes SIC, DTA, paper-based and paperless credit and debit transfers from Postfinance until 1999. Detailed figures have been partially available since 2000. ⁵ Includes LSV and Debit Direct of Postfinance as from 2000.

Table 10
**Indicators of use of various cashless payment instruments:
 value of transactions**
 In billions of CHF

	1996	1997	1998	1999	2000
Instruments					
Cheques ¹	22.2	19.7	16.9	14.9	27.7
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by debit card ²	9.1	10.3	9.8	15.6	26.0
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by credit card ³	11.0	12.3	13.8	15.8	14.6
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers ⁴	39,530.6	47,294.7	47,934.6	45,016.9	46,519.6
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits ⁵	41.6	46.6	49.9	60.5	70.8
<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>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Card-based electronic money	<i>nap</i>	<i>nap</i>	neg	neg	0.1
Network-based electronic money	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Total	39,614.5	47,383.6	48,024.9	45,123.8	46,658.7

¹ Includes Eurocheques, bank cheques, Swiss banker travellers cheques and, as from 2000, Postcheques. ² Includes ec-Direct and Postcard. ³ Includes American Express, Diners, Eurocard, Mastercard and Visa. ⁴ Partly estimated. Includes SIC, DTA, paper-based and paperless credit and debit transfers from Postfinance until 1999. Detailed figures have been partially available since 2000. ⁵ Includes LSV and Debit Direct of Postfinance as from 2000.

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

	1996	1997	1998	1999	2000
Trading platforms					
SWX Swiss Exchange	1.9 ¹	8.4	10.9	9.6	12.5
Clearing houses					
Eurex	nap	nap	10.5	17.3	20.4
Securities settlement systems					
SIS SegalInterSettle	4.9	9.9	13.0	11.7	14.5

¹ From August 1996 (ie introduction of the electronic trading platform).

Table 11b
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:
value of transactions**
In billions of CHF

	1996	1997	1998	1999	2000
Trading platforms					
SWX Swiss Exchange	808.5	1018.4	1,287.0	1,081.3	1,324.5
Clearing houses					
Eurex	nap	nap	38.6	56.0	57.0
Securities settlement systems					
SIS SegalInterSettle	1,180.9	1,696.4	2,896.9	4,067.0	5,759.5

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

	1996	1997	1998	1999	2000
Trading platforms					
SWX Swiss Exchange	51	60	59	84	102
Clearing houses					
Eurex	nap	nap	313	414	428
Securities settlement systems					
SIS SegalInterSettle	334	350	350	359	383

Table 11d
Outstanding securities¹
 End of year

	1996	1997	1998	1999	2000
SIS SegalInterSettle					
Value of securities held (CHF billions)	1,104	1,543	1,758	1,951	2,131
<i>of which:</i>					
<i>domestic</i>	982	1,384	1,563	1,714	1,803
<i>foreign</i>	122	159	195	237	328
Volume of securities held (CHF billions)	37,064	46,999	48,844	56,735	66,440
<i>of which:</i>					
<i>domestic</i>	6,696	6,676	12,660	13,455	15,676
<i>foreign</i>	30,368	40,323	36,184	43,280	50,764

¹ Source: SIS SegalInterSettle Annual Report.

Table 11e
Netting ratio in clearing systems

Details are not available.

Table 12
Participation in SWIFT by domestic institutions

	1996	1997	1998	1999	2000
Members	125	126	127	95	102
<i>of which: live</i>	124	123	125	95	101
Sub-members	72	73	77	77	79
<i>of which: live</i>	69	73	77	77	78
Participants	13	20	20	58	65
<i>of which: live</i>	10	17	16	55	64
Total users	210	219	224	230	246
<i>of which: live</i>	203	213	218	227	243
<i>Memorandum items:</i>					
Total SWIFT users	5,918	6,372	6,771	6,991	7,293
<i>members</i>	3,014	3,070	3,052	2,230	2,307
<i>sub-members</i>	2,500	2,621	2,781	2,825	3,037
<i>participants</i>	404	681	938	1,936	1,949

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	38,733,223	42,846,848	45,963,457	48,421,526	54,598,717
<i>of which:</i>					
<i>category I</i>	9,773,822	10,513,965	11,109,326	10,937,887	10,395,847
<i>category II</i>	9,532,780	9,650,554	9,394,947	7,875,822	8,067,323
Total messages received	35,222,140	39,773,888	43,824,500	46,718,344	53,412,342
<i>of which:</i>					
<i>category I</i>	6,593,731	7,207,202	7,720,351	7,619,456	7,510,872
<i>category II</i>	5,253,289	6,093,729	6,025,642	5,643,063	5,576,983
Domestic traffic	6,085,699	6,939,329	8,764,386	10,203,261	10,356,720
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population ¹ (thousands)	58,782	59,021	59,227	59,435	59,672
GDP (GBP billions)	762.2	811.1	859.8	901.3	943.4
GDP per capita (GBP)	12,967	13,742	14,517	15,164	15,810
Exchange rate (GBP/USD): <i>year-end</i>	<i>0.5841</i>	<i>0.6078</i>	<i>0.6010</i>	<i>0.6188</i>	<i>0.6689</i>
<i>average</i>	<i>0.6403</i>	<i>0.6104</i>	<i>0.6034</i>	<i>0.6180</i>	<i>0.6600</i>

¹ Average for the year.

Table 2
Settlement media used by non-banks
End of year, in billions of GBP

	1996	1997	1998	1999	2000
Notes and coin	22.6	24.2	25.6	28.2	30.2
Transferable deposits	439.5	462.4	491.3	532.9	570.1
Narrow money supply (M2)	462.1	486.6	516.9	561.1	600.3
<i>Memorandum items:</i>					
Broad money supply	683.0	722.2	783.2	814.6	882.7
Transferable deposits in foreign currencies	69.4	64.4	60.8	65.8	80.5
Outstanding value on e-money schemes ¹ <i>of which:</i>	neg	neg	neg	neg	neg
<i>on card-based products</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>	<i>neg</i>
<i>on network-based products</i>	<i>nap</i>	<i>nap</i>	<i>neg²</i>	<i>nap</i>	<i>nap</i>

¹ There is no fully operational electronic money scheme currently in place. ² A small trial scheme was run during 1998.

Table 3
Settlement media used by banks
 End of year, in billions of GBP

	1996	1997	1998	1999	2000
Transferable balances held at central bank	2.94	2.74	1.60	2.06	1.56
<i>of which:</i>					
<i>required reserves</i> ¹	2.40	2.57	1.21	1.30	1.44
<i>free reserves</i>	0.54	0.17	0.39	0.76	0.12
Transferable balances held at other banks ²	227.6	243.6	232.4	230.0	255.3
<i>Memorandum item:</i>					
Institutions' borrowing from central bank ³	9.9	7.3	9.9	14.6	20.8

¹ Reporting banks with average eligible liabilities of £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 (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 £400 million or more are required to hold non-interest-bearing deposits with the Bank of 0.15% of their eligible liabilities in excess of £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 coin
 End of year, in millions of GBP

	1996	1997	1998	1999	2000
Total banknotes issued ^{1,2}	20,904	22,404	23,663	26,662	28,087
<i>of which:</i>					
<i>GBP 50</i>	3,368	3,709	3,992	4,235	4,668
<i>GBP 20</i>	10,021	11,138	12,378	14,469	15,504
<i>GBP 10</i>	6,340	6,426	6,205	6,791	6,803
<i>GBP 5</i>	1,119	1,076	1,088	1,167	1,112
<i>GBP 1</i> ³	56	55	<i>nap</i>	<i>nap</i>	<i>nap</i>
Total coin issued ⁴	2,094	2,244	2,318	2,511	2,711
<i>of which:</i>					
<i>GBP 5</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	14 ⁵	<i>nap</i>
<i>GBP 2</i>	<i>nap</i>	<i>nap</i>	133	264	326
<i>GBP 1</i>	1,095	1,142	1,111	1,089	1,251
<i>GBP 0.50</i>	221	291	250	271	289
<i>GBP 0.20</i>	326	337	343	359	354
<i>GBP 0.10</i>	142	146	144	150	138
<i>GBP 0.05</i>	150	161	164	177	154
<i>GBP 0.02</i>	88	92	95	102	110
<i>GBP 0.01</i>	72	75	78	85	90
Total banknotes and coin issued	27,908	29,701	32,548	37,957	38,583
Banknotes and coin held by credit institutions ⁶	5,278	5,479	6,950	9,728	8,363
Banknotes and coin in circulation outside credit institutions ⁶	22,630	24,222	25,598	28,229	30,220

¹ Bank of England banknotes only. ² Average of Wednesdays in December. ³ "Written-off" as at March 1998. ⁴ Estimated as at 31 December. ⁵ Millennium commemorative coin. ⁶ Not seasonally adjusted.

Table 5
Institutional framework
 End of 2000

Categories	Number of institutions	Number of branches	Number of accounts (thousands)	Number of internet-linked accounts ¹	Value of accounts (GBP billions)
Central bank	1	1 ²	nav	0	} 570.1 ^{3,4}
Credit institutions	500	15,059 ⁴	142,942 ⁴	6,446,000 ⁴	
Postal institution	1	18,393	16,200 ⁵	nap	1.3 ⁶
Total	502	33,452 ⁶	159,142 ⁶	6,446,000 ⁶	571.4
<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	245	nap	nav	nav	nav

¹ Number of accounts associated to internet services (credit transfers, payment of bills, etc carried via internet) ² The central bank has also two outlets for note issue and 12 regional agencies for economic intelligence gathering purposes. ³ The central bank and credit institutions figure is amalgamated. ⁴ Includes private sector ordinary share and deposit accounts with UK building societies and shares and deposits below £50,000 from corporate bodies, placed with building societies. ⁵ National Savings Ordinary Accounts only. National Savings Bank facilities are available at UK Post Offices on an agency basis. ⁶ Estimated figure.

Table 6
Payment card functions and accepting devices
 End of year

	1996	1997	1998	1999	2000
Cash function					
Cards with a cash function (thousands)	88,946	96,825	106,131	111,857	118,682
Number of networks	3	3	3	1	1
Number of ATMs with a cash dispensing function	22,121	23,193	24,574	27,379	34,339
<i>of which:</i>					
<i>open access</i>	22,121	23,193	24,574	27,379	34,339
<i>limited access</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Volume of transactions (millions)	1,599	1,745	1,850	1,968	2,027
<i>of which:</i>					
<i>at ATMs with open access</i>	1,599	1,745	1,850	1,968	2,027
<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)	80	90	98	108	113
<i>of which:</i>					
<i>at ATMs with open access</i>	80	90	98	108	113
<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	8,185	8,813	9,338	11,594	12,362
Volume of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Debit function					
Cards with a debit function (thousands)	32,473	36,646	42,529	46,083	49,730
<i>of which: retailer cards¹</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Number of networks	3	4	4	4	4
Number of terminals ²	550,000	530,000	610,000	700,000	735,000
Volume of transactions ³ (millions)	1,290	1,528	1,767	2,100	2,385
<i>of which: transactions with retailer cards</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Value of transactions ³ (GBP billions)	38.3	46.6	55.7	67.0	79.2
<i>of which: 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)	46,706	53,104	56,885	41,424	47,080
<i>of which: retailer cards⁴</i>	15,370	17,643	18,586	<i>nav</i>	<i>nav</i>
Number of networks	2	2	2	2	2
Number of terminals ²	550,000	530,000	610,000	700,000	735,000
Volume of transactions ³ (millions)	976	1,089	1,184	1,301	1,413
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Value of transactions ³ (GBP billions)	46.3	53.7	60.2	70.4	78.8
<i>of which: transactions with retailer cards</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

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 figures include the use of UK-issued debit/credit cards at ATMs and at POS outside the United Kingdom. ⁴ This figure does not include the number of cards issued by smaller retailers. Figures are not available after 1998.

Table 6 (cont)

	1996	1997	1998	1999	2000
Electronic money function					
Cards with an e-money function (thousands) ⁵	30	110	140	160	nav
Number of accepting terminals	1,922	3,537	1,642	1,921	nav
Number of networks					
Number of purchase transactions	nav	nav	nav	nav	nav
Value of purchase transactions	neg	neg	neg	neg	neg
Number of loading transactions	0.06	0.10	0.19	0.35	neg
Number of loading terminals	nav	nav	nav	nav	nav
Value of money loaded	neg	neg	neg	neg	neg
Float	neg	neg	neg	neg	neg
Delayed debit cards (charge cards)					
Cards with a delayed debit function (thousands)	2,803	2,982	3,270	3,447	3,772
Number of terminals	nav	nav	nav	nav	nav
Volume of transactions (millions)	149	163	177	189	205
Value of transactions (GBP billions)	12.3	13.9	15.1	17.7	23.6
<i>Memorandum item:</i>					
Total number of cards in circulation ⁶ (thousands)	96,642	104,355	112,277	118,238	127,194
<i>of which:</i>					
<i>credit, charge and debit cards with ATM functionality</i>	64,244	72,505	82,384	88,653	95,758
<i>other cards with ATM functionality</i>	24,702	24,320	23,747	23,204	22,924
<i>other cards</i>	7,696	7,530	6,146	6,381	8,512

⁵ All major e-money trials in the United Kingdom finished by end-2000. ⁶ Excluding any stand-alone e-money cards and retailer cards.

Table 7
**Payment instructions handled by selected interbank funds transfer systems:
 volume of transactions¹**
 In millions

	1996	1997	1998	1999	2000
CHAPS	14.4	16.5	18.0	22.3	25.0
<i>CHAPS Sterling</i>	14.4	16.5	18.0	19.8	21.7
<i>CHAPS Euro²</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	2.5	3.3
Cheque and Credit Clearings ³	2,342	2,295	2,241	2,158	2,033
<i>Cheques</i>	2,167	2,114	2,059	1,981	1,869
<i>Paper-based credit transfers</i>	175	181	182	177	164
BACS	2,476	2,683	2,905	3,096	3,317
<i>Credit transfers</i>	1,033	1,099	1,169	1,233	1,307
<i>Direct debits</i>	1,443	1,584	1,736	1,863	2,010
Total	4,832	4,995	5,164	5,276	5,375
Concentration ratio⁴ (in %)					
CHAPS Sterling	83	82	82	82	84
CHAPS Euro	<i>nap</i>	<i>nap</i>	<i>nap</i>	67	72
Cheque and Credit Clearings	79	79	80	78	79
BACS	76	74	78	79	76

¹ The table contains both customer and banks' own account transactions, but excludes inter-branch items. ² Includes both domestic and cross-border (TARGET) payments. ³ Includes Northern Ireland (estimated) and Scotland. ⁴ Market share of the five largest payment systems service providers.

Table 8
**Payment instructions handled by selected interbank funds transfer systems:
 value of transactions¹**
 In billions of GBP

	1996	1997	1998	1999	2000
CHAPS	28,881	36,032	41,501	66,814	74,462
<i>CHAPS Sterling</i>	28,881	36,032	41,501	44,704	49,146
<i>CHAPS Euro²</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	22,110	25,316
Cheque and Credit Clearings ³	1,405	1,456	1,470	1,473	1,453
<i>Cheques</i>	1,304	1,355	1,372	1,379	1,365
<i>Paper-based credit transfers</i>	101	101	98	94	88
BACS	1,250	1,432	1,602	1,762	1,922
<i>Credit transfers</i>	897	1,025	1,147	1,277	1,405
<i>Direct debits</i>	353	407	455	485	517
Total	31,536	38,920	44,573	70,049	77,837
Concentration ratio⁴ (in %)					
CHAPS Sterling	82	82	81	80	80
CHAPS Euro	<i>nap</i>	<i>nap</i>	<i>nap</i>	75	82
Cheque and Credit Clearings	82	82	82	82	82
BACS	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

¹ The table contains both customer and banks' own account transactions, but excludes inter-branch items. ² Includes both domestic and cross-border (TARGET) payments. ³ Includes Northern Ireland (estimated) and Scotland. ⁴ Market share of the five largest payment systems service providers.

Table 9
**Indicators of use of various cashless payment instruments:
 volume of transactions¹**
 In millions

	1996	1997	1998	1999	2000
Instruments					
Cheques ²	3,201	3,090	2,989	2,860	2,698
<i>of which:</i>					
<i>face-to-face</i>	3,201	3,090	2,989	2,860	2,698
<i>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card ³	1,271	1,503	1,736	2,062	2,337
<i>of which:</i> ⁴					
<i>face-to-face</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by credit card ^{3,5}	1,025	1,128	1,224	1,344	1,452
<i>of which:</i> ⁴					
<i>face-to-face</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers ⁶	1,589	1,660	1,726	1,800	1,848
<i>of which:</i>					
<i>face-to-face</i> ⁷	419	419	407	408	386
<i>PC or other terminal</i> ⁸	1,170	1,241	1,319	1,392	1,462
<i>telebanking</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Direct debits ³	1,443	1,584	1,736	1,863	2,010
<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>PC or other terminal</i>	1,443	1,584	1,736	1,863	2,010
<i>telebanking</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Card-based electronic money	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Network-based electronic money	<i>nap</i>	<i>nap</i>	<i>neg</i>	<i>neg</i>	<i>nap</i>
Total	8,529	8,965	9,411	9,929	10,345

¹ This table contains all customer transactions. It also, for a number of instruments, includes bank own account transactions where these cannot be separately identified (see further footnotes). Includes Northern Ireland (estimated) and Scotland. 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 transactions. ³ Customer transactions only. ⁴ There is no information 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 also domestic CHAPS Euro payments. ⁷ Paper credit transfers. ⁸ All other credit transfers.

Table 10
**Indicators of use of various cashless payment instruments:
 value of transactions¹**
 In billions of GBP

	1996	1997	1998	1999	2000
Instruments					
Cheques ²	1,925	1,979	1,991	1,991	1,971
<i>of which:</i>					
<i>face-to-face</i>	1,925	1,975	1,991	1,991	1,971
<i>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>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Payments by debit card ³	37	45	54	65	76
<i>of which:</i> ⁴					
<i>face-to-face</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Payments by credit card ^{3,5}	50	58	64	76	87
<i>of which:</i> ⁴					
<i>face-to-face</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>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>mobile phone</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Credit transfers ⁶	30,073	37,349	42,932	68,378	76,143
<i>of which:</i>					
<i>face-to-face</i> ⁷	242	234	220	217	207
<i>PC or other terminal</i> ⁸	29,831	37,115	42,712	68,161	75,936
<i>televanking</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Direct debits ³	353	407	455	485	517
<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>PC or other terminal</i>	353	407	455	485	517
<i>televanking</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
<i>mobile phone</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>	<i>nap</i>
Card-based electronic money	neg	neg	neg	nav	nav
Network-based electronic money	nap	nap	neg	neg	nap
Total	32,438	39,838	45,496	70,995	78,794

¹ This table contains all customer transactions. It also, for a number of instruments, includes bank own account transactions where these cannot be separately identified (see further footnotes). Includes Northern Ireland (estimated) and Scotland. 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 transactions. ³ Customer transactions only. ⁴ There is no information 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 also 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**
In millions

	1996	1997	1998	1999	2000
Trading platforms					
London Stock Exchange					
Volume of transactions ¹	15.56	18.80	23.40	28.64	40.73
<i>of which:</i>					
<i>United Kingdom</i>	10.96	13.35	16.28	21.08	29.43
<i>Other</i>	4.59	5.45	7.12	7.56	11.30
Tradepoint					
Volume of transactions ¹	neg	0.01	0.03	0.03	0.05
Clearing houses					
London Clearing House					
Volume of trades cleared ²	233.81	304.02	267.20	206.03	197.30
<i>of which:</i>					
<i>Securities</i>	<i>nav</i>	<i>nav</i>	189.92	116.14	100.68
<i>Commodities</i>	<i>nav</i>	<i>nav</i>	77.28	89.89	96.62
Securities settlement systems					
Volume of settlement instructions ³					
CREST ^{4,5}	1.60	29.01 ⁶	35.80	43.24	59.09
CGO ⁷	0.96	0.95	1.11	2.06	nav
CMO	0.27	0.26	0.22	0.33	0.20
ESO ⁸	neg	neg	nap	nap	nap

¹ Number of bargains settled. ² Number of contracts. ³ Volumes include one side of each transaction. ⁴ CREST commenced operations on 15 July 1996. ⁵ Figures are for the United Kingdom and Ireland. Irish transactions in 1999 accounted for 1.6% of the total. ⁶ TALISMAN and CREST figures are combined. ⁷ CGO was closed in July 2000 and the settlement of government securities taken over by CREST. ⁸ ESO was closed on 31 December 1997.

Table 11b
**Instructions handled by trading platforms, clearing houses
and securities settlement systems:
value of transactions**
In billions of GBP

	1996	1997	1998	1999	2000
Trading platforms					
London Stock Exchange					
Value of transactions	1,781	2,456	3,220	3,831	5,416
<i>of which:</i>					
<i>United Kingdom</i>	742	1,013	1,037	1,411	1,896
<i>Other</i>	1,039	1,443	2,183	2,420	3,520
Tradepoint					
Value of transactions	0.4	2.5	7.5	7.1	13.6
Clearing houses					
London Clearing House					
Value of trades cleared ¹	nav	nav	nav	50,177	62,535
Securities settlement systems					
Volume of settlement instructions ²					
CREST ^{3,4}	109	3,996 ⁵	7,367	9,473	48,693
CGO ⁶	24,288	28,283	32,962	33,146	nav
CMO	3,483	3,842	3,316	2,337	2,405
ESO ⁷	90	141	nap	nap	nap

¹ Contract values, securities. ² Turnover includes one side of each transaction. ³ CREST commenced operations on 15 July 1996. ⁴ Figures are for the United Kingdom and Ireland. ⁵ TALISMAN and CREST figures are combined. ⁶ CGO was closed in July 2000 and the settlement of government securities taken over by CREST. ⁷ ESO was closed on 31 December 1997.

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

	1996	1997	1998	1999	2000
Trading platforms					
London Stock Exchange	302	273	276	289	293
Banks	nav	nav	nav	nav	nav
of which:					
domestic	nav	nav	nav	nav	nav
foreign	nav	nav	nav	nav	nav
Broker/dealer	nav	nav	nav	nav	nav
of which:					
domestic	nav	nav	nav	nav	nav
foreign	nav	nav	nav	nav	nav
Other institutions	nav	nav	nav	nav	nav
of which:					
domestic	nav	nav	nav	nav	nav
foreign	nav	nav	nav	nav	nav
Tradepoint	63	81	91	128	127
Banks	nav	nav	nav	42	36
of which:					
domestic	nav	nav	nav	39	35
foreign	nav	nav	nav	3	1
Broker/dealer	nav	nav	nav	54	58
of which:					
domestic	nav	nav	nav	41	46
foreign	nav	nav	nav	13	12
Other institutions	nav	nav	nav	32	33
of which:					
domestic	nav	nav	nav	29	31
foreign	nav	nav	nav	3	2
Clearing houses					
London Clearing House	126	126	117	110	112
Banks ¹	nav	nav	nav	nav	35
of which:					
domestic	nav	nav	nav	nav	8
foreign	nav	nav	nav	nav	27
Broker/dealer ²	nav	nav	nav	nav	69
of which:					
domestic ³	nav	nav	nav	nav	57
foreign	nav	nav	nav	nav	12
Other institutions	nav	nav	nav	nav	8
of which:					
domestic	nav	nav	nav	nav	nav
foreign	nav	nav	nav	nav	nav

¹ Deposit-taking bank institutions. ² Includes broker/dealers that are wholly owned by banks. ³ Includes firms/institutions registered in the United Kingdom though ultimately owned by a foreign registered parent.

Table 11c (cont)

	1996	1997	1998	1999	2000
Securities settlement systems					
CREST	1,143	3,432	5,365	22,949	28,489
Banks, brokers/dealers, etc	994	1,466	1,713	1,715	1,636
of which:					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Others	149	1,966	3,652	21,234	26,853
of which:					
<i>private clients</i>	149	1,966	3,652	21,234	26,853
CGO⁴	264	232	322	378	nap
Banks, brokers/dealers, etc	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
of which:					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nap</i>
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nap</i>
Others	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
of which:					
<i>private clients</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nap</i>
CMO	59	88	84	60	70
Banks, brokers/dealers, etc	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
of which:					
<i>domestic</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
<i>foreign</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
Others	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>
of which:					
<i>private clients</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>	<i>nav</i>

⁴ CGO was closed in July 2000 and the settlement of government securities taken over by CREST.

Table 11d
Outstanding securities
 End of year

	1996	1997	1998	1999	2000
Trading platforms					
London Stock Exchange					
Value of securities issued ¹ (GBP billions)	3,405	3,686	4,231	5,425	5,338
of which:					
United Kingdom	1,017	1,257	1,427	1,834	1,812
Other	2,388	2,429	2,804	3,591	3,526
Number of securities issued ¹	2,958	2,991	2,921	2,791	2,928
of which:					
United Kingdom	2,425	2,465	2,399	2,292	2,428
Other	533	526	522	499	501
Value of securities registered ² (GBP billions)	3,405	3,686	4,231	5,425	5,338
Number of securities registered ²	2,958	2,991	2,921	2,791	2,929
Tradepoint	nap	nap	nap	nap	nap
Securities settlement systems					
CREST					
Value of securities issued (GBP billions)	455	1,040	1,169	1,320	1,785
Number of securities issued	960	3,089	3,496	5,852	10,873
Value of securities registered ² (GBP billions)	455	1,040	1,169	1,320	1,785
Number of securities registered ²	960	3,089	3,496	5,852	10,873
CGO³					
Value of securities issued (GBP billions)	nav	nav	nav	256	nap
Number of securities issued	nav	nav	nav	184	nap
Value of securities registered ² (GBP billions)	nav	nav	nav	256	nap
Number of securities registered ²	nav	nav	nav	184	nap
CMO⁴					
Value of securities issued (GBP billions)	118	124	140	154	143
Number of securities issued	54,525	60,084	57,920	63,119	58,805
Value of securities registered ² (GBP billions)	118	124	140	154	143
Number of securities registered ²	54,525	60,084	57,920	63,119	58,805

¹ Figures show value and number of securities listed on the London Stock Exchange. ² In the United Kingdom, all securities are both listed and registered. ³ CGO was closed in July 2000 and the settlement of government securities taken over by CREST. ⁴ CMO only settles bearer instruments.

Table 11e
Netting ratio in clearing systems
 In percentages

	1996	1997	1998	1999	2000
London Clearing House					
Netting ratio for cash over year	nav	nav	nav	nav	65
Netting ratio for securities over year ¹	nav	nav	nav	nav	50

¹ Excludes financial and equity derivatives; end-year.

Table 12
Participation in SWIFT by domestic institutions

	1996	1997	1998	1999	2000
Members	68	66	63	57	60
<i>of which: live</i>	66	65	59	53	58
Sub-members	239	243	253	245	294
<i>of which: live</i>	236	240	250	243	289
Participants	91	112	129	146	119
<i>of which: live</i>	80	104	120	134	115
Total users	398	421	445	448	473
<i>of which: live</i>	382	409	429	430	462
<i>Memorandum items:</i>					
Total SWIFT users	5,918	6,372	6,771	6,991	7,293
<i>of which:</i>					
<i>members</i>	3,014	3,070	3,052	2,230	2,307
<i>sub-members</i>	2,500	2,621	2,781	2,825	3,037
<i>participants</i>	404	681	938	1,936	1,949

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	82,578,192	100,441,417	116,671,655	139,153,660	178,684,934
<i>of which:</i>					
<i>category I</i>	12,312,467	13,797,623	15,438,669	19,241,474	22,091,421
<i>category II</i>	23,419,297	26,714,116	29,200,240	28,971,353	29,459,448
Total messages received	79,741,899	101,914,835	124,101,890	157,627,881	208,351,654
<i>of which:</i>					
<i>category I</i>	15,500,253	17,009,249	18,595,169	22,267,913	25,003,567
<i>category II</i>	9,429,168	11,142,323	12,208,457	18,941,986	21,433,758
Domestic traffic	19,335,978	23,902,129	28,685,906	39,076,825	51,680,311
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Table 1
Basic statistical data

	1996	1997	1998	1999	2000
Population (thousands) ¹	265,502	268,048	270,509	272,945	275,372
GDP (USD billions) ²	7,813.2	8,318.4	8,781.5	9,268.6	9,872.9
GDP per capita (USD)	29,428.0	31,033.2	32,462.9	33,957.8	35,853.0

¹ Data estimated as of 1 July each year. Includes Armed Forces overseas. ² Annual data. Data reflect National Income and Product Account revisions as of October 2001.

Sources: US Department of Commerce, Bureau of the Census and Bureau of Economic Analysis.

Table 2
Settlement media used by non-banks¹
End of year, in billions of USD

	1996	1997	1998	1999	2000
Banknotes and coin ²	397.4	428.1	463.3	521.5	535.2
Transferable deposits ³	698.7	660.6	648.7	618.3	569.1
Other ⁴	8.6	8.3	8.4	8.4	8.1
Narrow money supply (M1) ⁵	1,104.7	1,096.9	1,120.4	1,148.3	1,112.4
<i>Memorandum items:</i>					
Broad money supply (M2) ⁵	3,836.5	4,053.2	4,408.2	4,677.3	4,973.7
Broad money supply (M3) ⁵	4,993.3	5,456.2	6,059.9	6,565.4	7,153.5
Transferable deposits in foreign currency ⁶	0.36	0.46	0.52	0.93	0.61
Outstanding value on e-money schemes ⁷ <i>of which:</i>	nav	nav	nav	nav	nav
<i>on card-based products</i>	nav	nav	nav	nav	nav
<i>on network-based products</i>	nav	nav	nav	nav	nav

¹ Averages of daily figures for the month of December. ² Currency in circulation plus amount of coin outstanding less amount held by the Treasury, Federal Reserve banks, and depository institutions. ³ Transferable deposits consist of demand deposits and other chequable deposits. ⁴ Travellers' cheques. ⁵ Composition of money stock measures is as follows: M1: currency and coin + travellers' cheques + demand deposits + other chequable deposits. M2: M1 + money market mutual funds (general purpose and broker dealer only) + money market deposit accounts + savings deposits + small time deposits. M3: M2 + large time deposits (over USD 100,000) + term RPs and euro-dollars + money market funds (institutions only). ⁶ Weekly average for the week beginning on the third Tuesday in December and ending the following Monday. ⁷ E-money products have not been widely adopted in the United States. In this reporting period, values of e-money outstanding are negligible relative to other forms of settlement media.

Source: Federal Reserve.

Table 3
Settlement media used by banks
 End of year, in billions of USD

	1996	1997	1998	1999	2000
Transferable balances held at central bank ¹	19.4	18.3	15.6	12.4	13.6
<i>of which:</i>					
<i>required reserves</i> ²	18.0	16.4	13.9	11.1	12.1
<i>free reserves</i>	1.4	1.9	1.7	1.3	1.5
Transferable balances held at other banks ³	37.8	31.8	38.5	31.3	41.9
<i>Memorandum item:</i>					
Institutions' borrowing from central bank ⁴	0.085	2.035	0.017	0.186	0.110

¹ Balances of depository institutions held at Federal Reserve banks, calculated as the 14-day average of daily required reserves and excess reserves less applied vault cash, plus weekly average required clearing balances. Reported for the last biweekly period of each year. ² Includes required clearing balances as well as required reserve balances. ³ Consists of year-end non-interest-bearing balances due from commercial banks in the United States. These transferable balances do not include immediately available funds, such as federal funds sold and securities purchased under agreements to resell (RPs), which together amounted to USD 164.0, 261.8, 278.3, 226.3, and 280.1 billion at year-end 1996, 1997, 1998, 1999 and 2000 respectively. ⁴ Year-end figures. Year-end figures may be significantly different from monthly-average figures.

Source: Federal Reserve.

Table 4
Banknotes and coin
 End of year, in billions of USD

	1996	1997	1998	1999	2000
Total banknotes issued	427.1	458.0	492.2	601.2	564.0
<i>of which:</i>					
<i>USD 100</i>	261.4	291.6	320.1	386.2	377.7
<i>USD 50</i>	48.5	48.2	50.4	64.7	55.0
<i>USD 20</i>	87.1	88.0	90.9	116.1	98.6
<i>USD 10</i>	14.3	14.2	14.3	16.2	14.5
<i>USD 5</i>	7.8	7.9	8.0	9.0	8.9
<i>USD 1</i>	6.6	6.7	7.0	7.5	7.7
<i>Other</i> ¹	1.4	1.4	1.5	1.5	1.6
Total coin issued	23.6	24.3	25.4	27.2	29.9
Total banknotes and coin issued ²	450.7	482.3	517.6	628.4	593.9
Banknotes and coin held by depository institutions ³	53.3	54.2	54.3	106.9	58.7
Banknotes and coin in circulation outside depository institutions	397.4	428.1	463.3	521.5	535.2
<i>Memorandum item:</i>					
Banknotes and coin held by Treasury and Federal Reserve banks	101.1	92.8	120.4	221.6	189.5

¹ Miscellaneous banknotes outstanding and in circulation. ² Total currency and coin outstanding and in circulation.

³ Partly estimated.

Sources: US Treasury; Federal Reserve.

Table 5
Institutional framework
 End of 2000

Categories	Number of institutions	Number of branches ¹	Number of accounts (thousands)	Number of internet-linked accounts	Value of accounts (USD billions) ²
Central bank ³	1	25	nav	nav	nav
Commercial banks	8,273	65,485	nav	nav	678.9
Thrift institutions ⁴	12,239	12,267 ⁵	nav	nav	105.6
Total	20,513	77,777	nav	nav	784.5
<i>of which:</i> <i>internet-focused institutions⁶</i>	31	nav	nav	nav	nav
Branches of foreign banks ⁷	349	nav	nav	nav	8.1

¹ Number of branches does not include head offices. ² Total transactions accounts. ³ The Federal Reserve is the central bank. The Board of Governors is located in Washington, DC and there are 12 district banks located in Atlanta, Boston, Chicago, Cleveland, Dallas, Kansas City, Minneapolis, New York, Philadelphia, Richmond, St. Louis and San Francisco. Eight regional cheque processing centres, one operations centre and a satellite office are not included in the number of branches. ⁴ Includes savings banks, savings and loans associations, cooperative and industrial banks and credit unions at end-2000. ⁵ Includes number of savings and loan branches and branches of savings, cooperative and industrial banks in June 2000. ⁶ Internet-focused institutions are depository institutions that receive a majority of their deposits through or as a result of the internet. ⁷ US branches and agencies of foreign banks.

Sources: Federal Reserve; US Treasury, Office of Thrift Supervision.

Table 6
Payment card functions and accepting devices¹
 End of year

	1996	1997	1998	1999	2000
Cash function					
Cards with a cash function (millions) ²	654.1	682.6	710.2	726.1	759.5
Number of networks ^{3,4}	54	49	45	45	43
Number of ATMs with a cash dispensing function ⁴	139,134	165,000	187,000	227,000	273,000
Volume of transactions ⁵ (billions)	10.7	11.0	11.2	10.9	13.2
Value of transactions (USD billions)	727.6	744.6	761.6	741.2	897.6
Debit function					
Cards with a debit function (millions) ⁶	204.9	211.1	217.4	223.9	234.6
<i>of which: retailer cards</i>	10.8	11.0	11.1	11.2	11.3
Number of networks ^{7,8}	31	26	23	22	20
Number of terminals ^{8,9}	875,400	1,300,000	1,700,000	2,350,000	2,800,000
Volume of transactions (millions) ¹⁰	2,469.4	3,912.5	5,730.7	7,505.8	9,550.1
<i>of which: transactions with retailer cards</i>	54.0	55.1	56.2	57.4	58.9
Value of transactions (USD billions) ¹⁰	99.7	162.5	238.5	322.6	419.1
<i>of which: transactions with retailer cards</i>	2.4	2.5	2.7	3.0	3.3
Credit function					
Cards with a credit function (millions) ¹¹	1,175.3	1,193.1	1,236.0	1,219.4	1,250.0
<i>of which: retailer cards</i>	601.8	598.3	617.3	594.5	615.3
Number of networks	nav	nav	nav	nav	nav
Number of terminals	nav	nav	nav	nav	nav
Volume of transactions (millions) ¹²	16,129.8	16,878.5	17,524.7	18,827.8	20,485.1
<i>of which: transactions with retailer cards</i>	1,989.4	1,925.9	1,799.8	1,843.0	1,943.3
Value of transactions (USD billions) ¹²	982.8	1,071.1	1,157.2	1,290.3	1,463.1
<i>of which: transactions with retailer cards</i>	113.1	112.9	108.0	114.1	124.0
Electronic money function¹³	nav	nav	nav	nav	nav

¹ A card with multiple functions may appear in several categories. It is, therefore, not meaningful to add the figures.

² Estimated. Includes credit and debit cards with a cash function. Excludes prepaid (stored-value) cards. ³ The number of networks in 2000 includes eight national ATM networks and 35 regional networks. ⁴ Year-end figure. ⁵ Transactions include withdrawals and other transactions. ⁶ Change in series for all years. Includes PIN-based (online) and signature-based (offline) debit cards. ⁷ Both shared and proprietary networks are included as well as both PIN- and signature-based networks. ⁸ End-June figures for 1996, 1997, and 1998. End-March figures for 1999 and 2000. ⁹ Represents PIN-based terminals only. ¹⁰ Includes PIN-based and signature-based debit transactions. ¹¹ Includes VISA, Mastercard, Discover, American Express, Diners Club, retailer and oil company cards. ¹² Includes all types of credit card transactions (ie bank, oil company, telephone, retail, travel and entertainment). ¹³ E-money products have not been widely adopted in the United States. In this reporting period, e-money transaction volume and value are negligible relative to other cashless payment instruments.

Sources: The Nilson Report (HSN Consultants Inc., Oxnard, CA); *Bank Network News* and *Debit Card News* (Faulkner & Gray, New York, NY).

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

	1996	1997	1998	1999	2000
<i>Large-value systems:</i> ¹					
CHIPS ²	53.5	59.0	59.1	57.3	59.8
Fedwire ³	82.6	89.5	98.1	102.8	108.3
<i>Cheque clearings:</i>					
Private clearing houses and direct exchanges ^{4,5}	nav	nav	nav	nav	17,413.0
Federal Reserve ⁶	16,129.0	16,531.0	17,107.0	17,589.0	17,486.0
<i>Automated clearing houses:</i>					
Private	318.4	407.0	553.9	532.4	614.8
Federal Reserve ^{7,8}	2,997.0	3,280.4	3,719.1	4,152.2	4,650.5
<i>Memorandum items:</i>					
"On-us" cheques ⁵	nav	nav	nav	nav	14,705.0
"On-us" ACH	738.0	861.0	1,057.0	1,432.3	1,674.7

¹ Number of originations. Data do not include non-value messages. ² CHIPS, the Clearing House Inter-Bank Payments System, is operated by the New York Clearing House Association. ³ Fedwire is operated by the Federal Reserve. ⁴ Cheques are processed either "on-us," by private cheque clearing houses, by direct exchange, or by the Federal Reserve. Calculated as total cheque volume less Federal Reserve cheque clearings and estimated "on-us" cheques. ⁵ Preliminary. Based on findings from a new survey of US financial institutions. Statistics reported in prior years may have been overestimated and are currently under review. ⁶ Includes personal, commercial, government and travellers' cheques, and commercial and postal money orders. ⁷ Includes all government and commercial debit and credit transfers. ⁸ Includes transfers sent by private automated clearing houses to the Federal Reserve for transmission to the receiving depository institution. In 2000, these were an estimated 174.5 million transfers.

Sources: Federal Reserve; National Automated Clearing House Association; Clearing House Inter-Bank Payments System.

Table 8
**Payment instructions handled by selected interbank funds transfer systems:
 value of transactions**
 In billions of USD

	1996	1997	1998	1999	2000
<i>Large-value systems:</i>					
CHIPS ¹	331,541.1	362,186.5	350,372.3	297,933.7	292,147.1
Fedwire ²	249,140.0	288,419.8	328,748.9	343,381.7	379,756.4
<i>Cheque clearings:</i>					
Private clearing houses and direct exchanges	nav	nav	nav	nav	nav
Federal Reserve ³	12,072.8	12,597.5	13,448.2	14,123.2	14,161.9
<i>Automated clearing houses:</i>					
Private	1,406.4	1,765.5	2,502.7	2,330.5	2,417.3
Federal Reserve ^{4,5}	9,538.2	10,710.3	12,326.7	13,095.7	14,024.4
<i>Memorandum item:</i>					
"On-us" ACH	2,693.7	3,116.9	3,723.7	4,545.3	4,966.8

¹ CHIPS, the Clearing House Inter-Bank Payments System, is operated by the New York Clearing House Association.

² Fedwire is operated by the Federal Reserve. ³ Includes personal, commercial, government and travellers' cheques, and commercial and postal money orders. ⁴ Includes all government and commercial debit and credit transfers. ⁵ Includes the value of transfers sent by private automated clearing houses to the Federal Reserve for transmission to the receiving depository institution.

Sources: Federal Reserve; National Automated Clearing House Association; Clearing House Inter-Bank Payments System.

Table 9
**Indicators of use of various cashless payment instruments:
 volume of transactions**
 In millions

	1996	1997	1998	1999	2000
Cheques issued ¹	nav	nav	nav	nav	49,604.0
Payments by card	18,599.2	20,791.0	23,255.4	26,333.6	30,035.2
<i>of which:</i>					
debit ²	2,469.4	3,912.5	5,730.7	7,505.8	9,550.1
credit ³	16,129.8	16,878.5	17,524.7	18,827.8	20,485.1
Paperless credit transfers	2,240.1	2,488.6	2,899.2	3,167.8	3,486.1
<i>of which:</i>					
CHIPS ⁴	53.5	59.0	59.1	57.3	59.8
Fedwire ⁴	82.6	89.5	98.1	102.8	108.3
Federal Reserve ACH ^{5,6}	1,914.0	2,110.1	2,406.3	2,680.2	2,937.0
Private ACH ⁷	190.0	230.0	335.7	327.5	381.0
Direct debits	1,211.4	1,347.2	1,530.9	1,676.9	1,947.3
<i>of which:</i>					
Federal Reserve ACH ^{5,6}	1,083.0	1,170.2	1,312.7	1,472.0	1,713.5
Private ACH ⁷	128.4	177.0	218.2	204.9	233.8
Electronic money ⁸	nav	nav	nav	nav	nav
<i>of which:</i>					
card-based	nav	nav	nav	nav	nav
network-based	nav	nav	nav	nav	nav
Total⁹	nav	nav	nav	nav	85,072.6
<i>Memorandum item:</i>					
"On-us" ACH	738.0	861.0	1,057.0	1,432.3	1,674.7

¹ Preliminary. Includes personal, commercial, government and travellers' cheques, and commercial and postal money orders. Based on findings from a new survey of US financial institutions. Statistics reported in prior years may have been overestimated and are currently under review. ² Includes PIN-based (online) and signature-based (offline) transactions. ³ Includes all types of credit card transactions (ie bank, oil company, telephone, retail store, travel and entertainment). Bank cards include VISA and MasterCard credit cards only (excluding debit cards). ⁴ Volume of Fedwire funds transfers. Does not include securities transfers over Fedwire. ⁵ Includes all government and commercial debit and credit transfers. ⁶ Includes transfers sent by private automated clearing houses to the Federal Reserve for transmission to the receiving depository institution. ⁷ Does not include "on-us" ACH transfers. ⁸ E-money products have not been widely adopted in the United States. In this reporting period, e-money transaction volume is negligible relative to other cashless payment instruments. ⁹ Preliminary.

Sources: Federal Reserve; The Nilson Report (HSN Consultants Inc., Oxnard, CA); National Automated Clearing House Association; Clearing House Inter-Bank Payments System; *Bank Network News* (Faulkner & Gray, New York, NY).

Table 10
**Indicators of use of various cashless payment instruments:
 value of transactions**
 In billions of USD

	1996	1997	1998	1999	2000
Cheques issued ¹	nav	nav	nav	nav	47,694.0
Payments by card	1,082.5	1,233.6	1,395.7	1,612.9	1,882.2
<i>of which:</i>					
<i>debit</i> ²	99.7	162.5	238.5	322.6	419.1
<i>credit</i> ³	982.8	1,071.1	1,157.2	1,290.3	1,463.1
Paperless credit transfers	585,297.5	656,200.5	685,933.5	648,660.3	680,029.4
<i>of which:</i>					
CHIPS	331,541.1	362,186.5	350,372.3	297,933.7	292,147.1
Fedwire ⁴	249,140.0	288,419.8	328,748.9	343,381.7	379,756.4
Federal Reserve ACH ^{5,6}	4,040.7	4,843.9	5,750.7	6,324.5	6,957.3
Private ACH	575.7	750.3	1,061.6	1,020.4	1,168.6
Direct debits	6,328.3	6,881.7	8,017.1	8,081.3	8,315.7
<i>of which:</i>					
Federal Reserve ACH ^{5,6}	5,497.5	5,866.4	6,576.0	6,771.2	7,067.1
Private ACH	830.8	1,015.3	1,441.1	1,310.1	1,248.6
Electronic money ⁷	nav	nav	nav	nav	nav
<i>of which:</i>					
<i>card-based</i>	nav	nav	nav	nav	nav
<i>network-based</i>	nav	nav	nav	nav	nav
Total ⁸	nav	nav	nav	nav	737,921.3
<i>Memorandum item:</i>					
"On-us" ACH	2,693.7	3,116.9	3,723.7	4,545.3	4,966.8

¹ Preliminary. Includes personal, commercial, government and travellers' cheques, and commercial and postal money orders. Based on findings from a new survey of US financial institutions. Statistics reported in prior years may have been overestimated and are currently under review. ² Includes PIN-based (online) and signature-based (offline) transactions. ³ Includes all types of credit card transactions (ie bank, oil company, telephone, retail store, travel and entertainment). Bank cards include VISA and MasterCard credit cards only (excluding debit cards). ⁴ Value of Fedwire funds transfers. Does not include securities transfers over Fedwire. ⁵ Includes all government and commercial debit and credit transfers. ⁶ Includes the value of transfers sent by private automated clearing houses to the Federal Reserve for transmission to the receiving depository institution. ⁷ E-money products have not been widely adopted in the United States. In this reporting period, e-money transaction value is negligible relative to other cashless payment instruments. ⁸ Preliminary.

Sources: Federal Reserve; The Nilson Report (HSN Consultants Inc., Oxnard, CA); National Automated Clearing House Association; Clearing House Inter-Bank Payments System; *Bank Network News* (Faulkner & Gray, New York, NY).

Table 11a
**Instructions handled by securities settlement systems:
 volume of transactions**
 In millions

	1996	1997	1998	1999	2000
Federal Reserve <i>Government securities</i> ¹	13.1	12.9	14.4	13.4	13.6
Depository Trust Company <i>Corporate and municipal securities</i> ²	135.7	151.0	164.0	189.0	230.3

¹ US Treasury and agency securities transfers processed through the Federal Reserve's Fedwire transfer book-entry securities settlement system. Data exclude reversals (ie securities sent in error and returned to sender). ² Book-entry securities deliveries processed by the Depository Trust Company's next-day and same-day funds settlement systems. As of 22 February 1996, settlement for all securities deliveries is conducted on a same-day basis.

Sources: Federal Reserve; Depository Trust Company.

Table 11b
**Instructions handled by securities settlement systems:
 value of transactions**
 In trillions of USD

	1996	1997	1998	1999	2000
Federal Reserve <i>Government securities</i> ¹	160.6	174.9	197.8	179.5	188.1
Depository Trust Company <i>Corporate and municipal securities</i> ²	50.2	62.0	77.0	94.0	116.4

¹ US Treasury and agency securities transfers processed through the Federal Reserve's Fedwire transfer book-entry securities settlement system. Data exclude reversals (ie securities sent in error and returned to sender). ² Book-entry securities deliveries processed by the Depository Trust Company's next-day and same-day funds settlement systems. As of 22 February 1996, settlement for all securities deliveries is conducted on a same-day basis.

Sources: Federal Reserve; Depository Trust Company.

Table 11c
Number of participants in securities settlement systems

	1996	1997	1998	1999	2000
Federal Reserve ¹	2,139	2,075	1,677	1,516	1,249
Depository Trust Company	581	558	545	527	418

¹ Number of depository institutions that used Fedwire in 2000. Other Fedwire participants, whose statistics are not included in this calculation are: agencies and branches of foreign banks; the US Treasury and any entity specifically authorised by federal statute to use the Reserve Banks as fiscal agents or depositories; entities designated by the Secretary of the Treasury; foreign central banks, foreign monetary authorities, foreign governments and certain international organisations.

Sources: Federal Reserve; Depository Trust Company.

Table 11d
Outstanding securities¹
 End of year

	1996	1997	1998	1999	2000
New York Stock Exchange					
Value of securities listed (USD billions)	10,145.4	12,038.5	13,418.6	14,697.7	14,497.1
Value of stocks listed ²	7,300.4	9,413.1	10,864.5	12,296.1	12,372.3
Value of bonds listed ²	2,845.0	2,625.4	2,554.1	2,401.6	2,124.8
Number of securities listed	5,349	5,323	5,240	5,022	4,699
Number of stocks listed	3,285	3,358	3,382	3,286	3,072
Number of bonds listed	2,064	1,965	1,858	1,736	1,627
Nasdaq³					
Value of securities listed (USD billions)	1,517.1	1,834.8	2,588.8	5,204.6	3,597.1
Number of securities listed	6,384	6,208	5,583	5,210	5,053
American Stock Exchange					
Value of securities listed (USD billions)	135.1	162.2	152.3	142.1	124.9
Number of securities listed	896	893	901	902	894
Federal debt (USD billions)	5,259.8	5,446.3	5,555.6	5,684.8	5,701.9
Treasury securities	5,224.8	5,413.1	5,526.2	5,656.3	5,674.2
Other government agency securities	35.0	33.2	29.4	28.5	27.7

¹ The primary securities exchanges in the United States are the New York Stock Exchange, National Association of Securities Dealers Automated Quotations (Nasdaq), American Stock Exchange, Boston Stock Exchange, Chicago Stock Exchange, Pacific Stock Exchange and the Philadelphia Stock Exchange. ² Par (face) value of bonds listed. ³ Over-the-counter market.

Sources: New York Stock Exchange, Inc, *Fact Book 2000*; National Association of Securities Dealers; American Stock Exchange, Inc, *1998 Fact Book*; US Treasury.

Table 11e
Netting ratio in clearing systems

Details are not available.

Table 12
Participation in SWIFT by domestic institutions

	1996	1997	1998	1999	2000
Members	159	152	140	90	99
<i>of which: live</i>	157	150	138	89	97
Sub-members	344	334	323	306	320
<i>of which: live</i>	332	328	310	292	304
Participants	96	131	154	231	219
<i>of which: live</i>	81	122	148	219	212
Total users	599	617	617	627	638
<i>of which: live</i>	570	600	596	600	613
<i>Memorandum items:</i>					
Total SWIFT users	5,918	6,372	6,771	6,991	7,293
<i>members</i>	3,014	3,070	3,052	2,230	2,307
<i>sub-members</i>	2,500	2,621	2,781	2,825	3,037
<i>participants</i>	404	681	938	1,936	1,949

Table 13
SWIFT message flows to/from domestic users

	1996	1997	1998	1999	2000
Total messages sent	115,518,434	138,458,554	162,994,946	182,554,437	222,245,874
<i>of which:</i>					
<i>category I</i>	20,841,198	25,265,791	30,017,880	33,971,334	40,185,836
<i>category II</i>	18,975,066	22,625,585	25,880,916	24,698,022	25,705,066
Total messages received	128,751,988	152,856,912	175,681,576	199,975,309	242,819,074
<i>of which:</i>					
<i>category I</i>	27,770,832	31,252,056	35,083,927	38,576,775	43,976,051
<i>category II</i>	49,839,334	56,185,599	59,469,178	59,249,019	61,597,980
Domestic traffic	20,901,261	24,938,669	33,996,439	41,716,367	55,384,462
<i>Memorandum item:</i>					
Global SWIFT traffic	687,785,294	812,117,556	941,235,088	1,058,836,425	1,273,912,754

Comparative tables

Table 1
Banknotes and coin in circulation
 End of year

	Total (USD millions) ¹					Value per inhabitant (USD) ¹				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	13,617	11,953	12,691	12,056	11,044	1,341	1,174	1,244	1,179	1,077
Canada	20,446	20,704	20,697	25,518	23,539	687	688	683	834	763
France	51,813	45,292	48,307	44,894	41,488	865	753	800	740	687
Germany	158,734	137,827	144,650	130,876	116,418	1,938	1,680	1,764	1,594	1,417
Hong Kong SAR	9,891	10,404	10,479	12,806	11,770	1,537	1,603	1,601	1,938	1,766
Italy	65,409	61,070	69,687	66,110	64,630	1,140	1,062	1,210	1,147	1,120
Japan	423,211	405,887	471,446	581,944	539,144	3,362	3,217	3,727	4,594	4,248
Netherlands	21,961	19,202	19,978	17,397	15,753	1,415	1,230	1,272	1,100	990
Singapore	7,353	6,389	6,110	6,792	6,520	2,003	1,684	1,558	1,719	1,623
Sweden	10,454	9,374	9,644	10,224	9,363	1,182	1,060	1,090	1,154	1,055
Switzerland	22,140	20,019	22,154	20,032	18,958	3,119	2,822	3,113	2,791	2,634
United Kingdom	38,743	39,852	42,592	45,619	45,179	659	675	719	768	757
United States	397,400	428,100	463,300	521,500	535,200	1,497	1,597	1,713	1,911	1,944
CPSS ²	1,241,172	1,216,073	1,341,735	1,495,768	1,491,866	1,699	1,655	1,816	2,014	2,000

Note: For an explanation of the footnotes refer to the end of the table. Please refer to the individual country tables for detailed explanation.

Table 1 (cont)

	As a percentage of GDP					As a percentage of narrow money				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	5.1	5.1	4.8	5.1	4.8	27.5	26.5	23.8	20.4	19.3
Canada	3.3	3.3	3.5	3.8	3.3	14.3	14.2	14.5	15.6	13.7
France	3.4	3.3	3.2	3.3	3.2	13.3	13.1	11.0	12.6	11.8
Germany	6.9	6.7	6.4	6.6	6.2	27.6	27.2	24.1	23.4	21.8
Hong Kong SAR	6.4	6.1	6.4	8.1	7.2	38.6	42.8	45.5	48.5	45.0
Italy	5.3	5.4	5.6	6.0	6.0	16.1	16.1	16.1	14.4	14.3
Japan	9.6	10.1	10.5	11.6	12.1	26.1	25.8	25.3	24.8	25.0
Netherlands	5.2	4.9	5.3	4.1	4.3	18.0	15.7	14.1	12.8	11.4
Singapore	8.0	7.6	7.4	8.0	7.1	38.1	38.9	37.3	36.4	33.9
Sweden	4.1	4.1	4.1	4.4	4.3	nav	nav	nav	nav	nav
Switzerland	8.0	7.8	7.9	8.1	7.9	17.3	15.6	15.5	15.3	15.8
United Kingdom	3.0	3.0	3.0	3.1	3.2	4.9	5.0	5.0	5.0	5.0
United States	5.1	5.1	5.3	5.6	5.4	36.0	39.0	41.4	45.4	48.1
CPSS ²	6.1	6.1	6.1	6.7	6.6	24.5	25.1	25.1	26.5	25.8

¹ Converted at end-of-year exchange rates. ² Sum or average excluding those countries where data are not available.

Table 2
Transferable deposits held by non-banks
 End of year

	Value per inhabitant (USD) ¹					As a percentage of GDP					As a percentage of narrow money				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	3,537	3,263	3,980	4,609	4,501	13.4	14.0	15.5	19.9	20.0	72.5	73.6	76.1	79.6	80.8
Canada	4,119	4,170	4,011	4,514	4,820	20.0	20.3	20.4	20.4	21.1	85.7	85.8	85.5	84.4	86.3
France	5,189	4,928	5,405	5,096	5,094	20.3	21.6	21.6	22.8	23.5	85.3	86.4	86.7	87.0	87.5
Germany	5,084	4,509	5,554	5,220	5,081	18.1	18.1	20.2	21.6	22.2	72.4	72.9	75.9	76.6	78.2
Hong Kong SAR	2,446	2,140	1,915	2,061	2,159	10.2	8.1	7.7	8.6	8.9	61.4	57.2	54.5	51.5	55.0
Italy	5,797	5,378	6,203	6,798	6,705	26.8	27.4	28.4	35.2	35.7	81.9	81.7	82.4	85.5	85.8
Japan	9,526	9,246	10,987	13,929	12,748	27.2	29.0	31.0	35.1	36.3	73.9	74.2	74.7	75.2	75.0
Netherlands	6,467	6,608	7,740	7,517	7,704	23.6	26.5	32.4	31.7	32.9	82.0	84.3	85.9	87.2	88.6
Singapore	3,260	2,644	2,625	3,007	3,158	13.1	12.0	12.4	13.9	13.8	61.9	61.1	62.8	63.6	66.1
Sweden	11,994	10,487	10,576	10,676	9,925	41.6	40.2	39.7	40.4	40.3	nav	nav	nav	nav	nav
Switzerland	8,259	8,653	9,812	8,804	7,978	21.3	23.8	25.0	25.7	24.0	45.8	47.9	48.9	48.2	47.8
United Kingdom	12,801	12,890	13,802	14,489	14,283	57.7	57.0	57.1	59.1	60.4	95.1	95.0	95.0	95.0	95.0
United States	2,632	2,464	2,398	2,265	2,067	8.9	7.9	7.4	6.7	5.8	63.2	60.2	57.9	53.8	51.2
CPSS ²	5,461	5,222	5,747	6,220	5,911	19.1	19.0	19.3	20.4	20.2	74.3	73.8	73.8	72.0	73.3

Note: Please refer to the individual country tables for detailed explanation.

¹ Converted at end-of-year exchange rates. ² Average excluding those countries where data are not available.

Table 3
Settlement media used by banks
 End of year

	Banks' reserves at central bank									
	USD billions ¹					As a percentage of narrow money				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	0.1	neg	1.0	7.4	6.7	0.2	0.1	1.8	12.6	11.8
Canada	0.3	0.3	0.4	0.9	0.3	0.2	0.2	0.3	0.6	0.2
France ²	2.1	3.9	19.4	24.1	26.0	0.6	1.1	5.1	6.8	7.4
Germany	25.4	23.4	27.7	33.5	33.0	4.4	4.6	4.6	6.0	6.2
Hong Kong SAR ³	0	0	0	0	0	nap	nap	nap	nap	nap
Italy	46.9	47.5	11.9	12.2	11.4	11.6	12.6	2.8	2.7	2.5
Japan	29.4	27.7	33.2	94.9	36.9	1.8	1.8	1.8	4.0	1.7
Netherlands	nap	3.0	9.1	10.0	10.4	nap	2.5	6.4	7.3	7.6
Singapore	5.1	4.6	3.3	4.5	3.3	26.2	28.0	19.9	24.2	17.1
Sweden	3.0	2.2	2.2	3.6	2.5	nav	nav	nav	nav	nav
Switzerland	4.6	4.2	5.7	6.7	4.5	3.6	3.3	4.0	5.1	3.8
United Kingdom	5.0	4.5	2.7	3.3	2.3	0.6	0.6	0.3	0.4	0.3
United States	19.4	18.3	15.6	12.4	13.6	1.8	1.7	1.4	1.1	1.2
CPSS ⁴	141.3	139.6	132.2	213.5	150.9	2.7	2.7	2.3	2.9	2.5

Note: For an explanation of the footnotes refer to the end of the table. Please refer to the individual country tables for detailed explanation.

Table 3 (cont)

	Transferable deposits at other banks									
	USD billions ¹					As a percentage of narrow money				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	5.1	4.9	5.4	6.5	6.6	10.4	10.9	10.1	11.0	11.5
Canada	3.2	3.7	4.1	5.1	4.4	2.2	2.5	2.9	3.1	2.5
France	688.8	625.4	691.2	624.8	615.9	189.0	182.2	183.6	175.9	175.1
Germany	258.0	238.6	282.5	115.0	105.5	44.9	47.0	47.1	20.6	19.8
Hong Kong SAR	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Italy	55.7	55.0	64.0	59.4	88.1	13.7	14.5	14.8	13.0	19.5
Japan	36.5	29.9	30.7	103.1	37.8	2.3	1.9	1.6	4.4	1.8
Netherlands	1.8	1.2	25.0	16.4	28.4	1.5	1.0	17.6	12.0	20.5
Singapore	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Sweden	10.7	11.9	14.0	11.0	7.8	nav	nav	nav	nav	nav
Switzerland	22.5	23.9	37.7	26.5	29.8	17.6	18.6	26.3	20.2	24.8
United Kingdom	389.7	400.7	386.6	371.6	381.7	49.3	50.1	45.0	41.0	42.5
United States	37.8	31.8	38.5	31.3	41.9	3.4	2.9	3.4	2.7	3.8
CPSS ⁴	1,491.4	1,413.5	1,556.8	1,351.8	1,319.6	28.3	27.5	27.3	32.1	22.4

¹ Converted at end-of-year exchange rates. ² Change in reserves policy from 16 October 1998. ³ Banks do not maintain reserves with the HKMA as there are no reserve requirements in Hong Kong SAR. ⁴ Sum or average excluding those countries where data are not available.

Table 4
Institutional framework

	Number of institutions offering payment services ¹		Number of central bank branches ¹		Number of bank branches ¹		Number of post office branches ¹		Others ¹		Total number of branches offering payment services ¹		Number of accounts on which payments can be made ²	
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
Belgium	11.8	11.8	1.1	0.8	682.4	644.6	135.6	135.0	nap	nap	817.9	779.6	1.3	1.2
Canada ^{3,4}	68.9	62.0	0.2	0.2	273.3	270.5	nap	nap	174.3	173.4	447.7	444.0	nav	nav
France	27.6	27.9	3.5	3.5	411.0	424.6	279.0	273.6	nav	nav	759.0	767.2	1.1	1.1
Germany ⁵	36.5	33.3	1.8	1.6	710.7	681.3	nap	nap	nap	nap	712.5	682.9	1.0	1.1
Hong Kong SAR ⁶	23.6	23.1	0.2	0.2	249.1	241.3	nap	nap	nap	nap	249.1	241.3	nav	nav
Italy	14.2	13.6	1.7	1.7	469.3	486.4	242.5	241.3	nap	nap	713.5	729.4	nav	0.6
Japan	25.0	22.3	0.3	0.3	319.4	315.4	190.6	190.4	nap	nap	510.3	506.0	nav	nav
Netherlands ⁷	8.0	7.2	0.3	0.3	255.0	238.1	142.0	137.4	nap	nap	397.0	375.5	1.3	1.4
Singapore ⁸	40.0	38.6	0.3	0.2	187.3	174.9	nap	nap	nap	nap	187.6	175.0	nav	nav
Sweden	13.9	14.4	0.1	0.1	239.7	225.6	163.9	154.6	nap	nap	403.7	380.3	nav	nav
Switzerland	46.9	46.8	0.8	0.8	407.7	395.5	502.3	469.9	nap	nap	910.8	866.2	nav	nav
United Kingdom	8.5	8.4	neg	neg	218.5	252.4	315.9	308.2	nap	nap	534.4	560.6	2.6	2.8
United States	nav	nav	0.1	0.1	280.6	282.4	139.2	138.0	nav	nav	nav	nav	nav	nav
CPSS ⁹	27.2	25.4	0.6	0.6	344.6	343.1	194.5	191.8	nap ¹⁰	nap ¹⁰	551.8	545.9	nap ¹⁰	nap ¹⁰

Note: Please refer to the individual country tables for detailed explanation.

¹ Per million inhabitants. ² Per inhabitant. ³ "Number of central bank branches": only one branch of the central bank offers payment services. ⁴ "Others" includes trust and loan companies; local credit unions and caisses populaires; and governmental savings institutions. ⁵ Postbank AG is a fully fledged credit institution, and those post office branches which are entrusted with the semi-cashless payment systems on behalf of the Postbank AG are included under "Number of bank branches" (and not "post office branches"). ⁶ "Number of central bank branches" excludes the HKMA's two overseas representative offices (London and New York). ⁷ "Number of bank branches" excludes the counters of the Postal institution. ⁸ As at end-March. The institutions offering payment services include banks and finance companies. ⁹ Average excluding those countries where data are not available. ¹⁰ Statistically not relevant.

Table 5
Cards with a cash function and ATMs

	Number of ATMs per million inhabitants (end of year)					Number of transactions per inhabitant					Average value per transaction (USD) ¹				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	396	491	564	606	669	15.1	15.7	15.6	17.4	20.4	133.9	117.9	118.2	111.3	97.8
Canada ²	624	652	775	874	1,034	41.0	43.0	46.1	47.2	48.3	52.0	50.6	62.7	65.4	66.7
France	410	450	487	535	582	12.8	13.9	15.4	16.9	17.9	74.6	65.5	66.5	64.9	56.2
Germany	459	505	556	563	580	15.3	nav	17.1	18.4	20.4	184.9	nav	169.5	156.1	134.6
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy	424	444	487	524	549	6.4	7.2	8.5	8.7	9.1	201.2	184.9	178.6	170.9	150.7
Japan ³	900	924	934	944	922	2.9	3.0	3.1	3.1	3.2	539.9	481.4	433.8	501.3	532.2
Netherlands	396	410	418	422	435	25.8	25.9	27.1	28.5	29.5	111.5	95.7	96.0	93.7	79.8
Singapore ⁴	473 ⁵	499	483	470	447	3.8	4.0	4.0	2.6	2.1	154.3	149.4	135.0	140.0	138.2
Sweden	269	268	281	291	295	33.6	35.3	37.6	35.0	36.1	120.0	104.5	108.4	100.1	92.3
Switzerland	514	603	642	655	675	10.5	11.4	11.3	12.2	17.8	225.1	186.6	180.3	173.2	117.0
United Kingdom	376	393	415	461	575	27.2	29.6	31.2	33.1	34.0	78.1	84.5	87.8	88.8	84.5
United States	524	616	691	832	991	40.3	41.0	41.4	39.9	47.9	68.0	67.7	68.0	68.0	68.0
CPSS ⁶	570	602	652	722	803	23.8	25.7	25.5	25.5	29.1	79.0	74.3	77.4	78.4	76.5

Note: For an explanation of the footnotes refer to the end of the table. Please refer to the individual country tables for detailed explanation.

Table 5 (cont)

	Increase in the number of ATMs (%)					Increase in the number of transactions (%)					Increase in the value of transactions ⁷ (%)				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	16.4	24.3	15.1	7.7	10.7	6.1	3.8	-0.2	15.3	17.8	3.1	-8.7	0.1	4.9	3.5
Canada	5.1	5.6	19.9	13.7	19.4	5.5	6.2	8.0	3.2	3.3	6.2	1.2	29.9	7.3	3.8
France	7.3	10.4	8.6	10.3	8.4	6.6	8.9	11.5	10.3	5.5	0.9	-4.3	13.2	7.6	-8.8
Germany	5.3	10.1	10.2	1.3	3.1	13.8	nav	nav	7.7	11.0	7.0	nav	nav	-0.8	-4.3
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy	11.3	4.9	9.8	7.7	5.0	11.5	12.0	18.2	2.5	5.6	13.2	2.9	14.2	-2.0	-6.8
Japan	3.3	3.0	1.3	1.2	-2.2	4.7	4.2	3.3	neg	3.6	-9.2	-7.0	-6.9	15.6	10.0
Netherlands	4.9	4.0	2.7	1.6	3.7	11.1	1.0	5.2	5.9	4.4	1.3	-13.2	14.4	-7.1	-4.8
Singapore	2.2 ⁵	9.2	-0.1	-2.0	-3.3	14.0	10.1	2.0	-34.8	-15.4	20.5	6.6	-7.9	-32.4	-16.5
Sweden	0.8	-0.4	4.9	3.8	1.4	5.7	5.1	6.7	-6.9	3.2	12.6	-8.5	10.7	-14.0	-4.8
Switzerland	11.4	17.4	6.7	2.5	3.7	6.4	8.2	-0.6	8.5	46.9	-1.4	-10.4	-4.0	4.2	-0.8
United Kingdom	5.7	4.8	6.0	11.4	25.4	8.7	9.1	6.0	6.4	3.0	9.9	18.0	10.2	7.6	-2.0
United States	13.4	18.6	13.3	21.4	20.3	10.3	2.8	1.8	-2.7	21.1	10.8	2.3	2.2	-2.7	21.1
CPSS ⁶	4.1	6.1	8.9	11.3	11.7	10.5	8.6	-0.3	0.5	14.6	6.1	2.1	3.9	1.8	11.9

¹ Converted at yearly average exchange rates. ² The value of transactions refer to cash withdrawals only. ³ Volume and value of transactions refer to cash withdrawal only. ⁴ The transactions refer to shared ATM transactions. ⁵ Based on the number of terminals as at end-March 1996. ⁶ Average excluding those countries where data are not available. ⁷ In USD terms, converted using yearly average exchange rates.

Table 6
Cards with a debit function and POS accepting terminals

	Number of POS terminals per million inhabitants (end of year)					Number of transactions per inhabitant					Average value per transaction (USD) ¹				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	8,009	8,421	9,121	9,746	11,355	20.9	23.6	29.1	34.6	39.8	68.2	59.5	57.5	53.8	47.0
Canada	8,501	10,988	12,986	13,274	14,199	22.7	34.6	44.7	54.3	63.5	32.7	30.8	29.1	29.5	28.6
France	11,070	11,312	11,976	13,181	13,884	35.1	38.8	43.4	48.0	54.5	59.5	51.5	48.8	49.3	42.9
Germany	1,918	3,069	4,423	5,761	7,196	2.6	2.8	8.2	10.5	12.6	101.4	73.9	84.6	79.8	67.8
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy	3,741	4,886	6,001	7,551	9,884	1.3	2.2	3.0	4.3	5.5	122.0	100.8	90.8	81.7	66.8
Japan ²	183	155	127	nav	nav	neg	neg	neg	neg	neg	30.6	57.9	61.1	243.5	427.1
Netherlands	6,187	7,696	8,533	9,209	9,775	23.9	31.1	37.9	44.3	50.3	56.5	48.7	48.2	48.6	42.8
Singapore	3,564	3,954	4,088	4,506	4,851	11.5	13.4	14.8	16.6	19.1	46.7	45.2	36.5	36.7	35.7
Sweden	6,945	7,778	8,406	9,160	9,822	10.0	13.7	18.1	22.4	28.9	96.2	83.2	76.1	72.7	60.9
Switzerland	4,647	5,834	7,158	8,599	9,375	10.7	13.6	14.9	19.1	23.9	96.7	73.3	63.8	76.0	89.6
United Kingdom	9,357	8,980	10,299	11,778	12,317	21.9	25.9	29.8	35.3	40.0	46.4	50.0	52.2	51.6	50.3
United States	3,297	4,850	6,284	8,610	10,168	9.3	14.6	21.2	27.5	34.7	40.4	41.5	41.6	43.0	43.9
CPSS ³	4,170	5,111	6,171	9,140	10,482	10.5	14.0	18.5	22.7	27.4	58.6	51.6	49.8	50.1	47.0

Note: For an explanation of the footnotes refer to the end of the table. Please refer to the individual country tables for detailed explanation.

Table 6 (cont)

	Increase in the number of POS terminals (%)					Increase in the number of transactions (%)					Increase in the value of transactions ⁴ (%)				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	11.6	5.4	8.6	7.1	16.9	13.9	13.5	23.6	19.0	15.5	11.2	- 1.0	19.5	11.4	0.8
Canada	33.3	30.6	19.1	3.1	7.9	71.8	53.7	30.3	22.6	18.0	61.7	44.5	23.3	24.1	14.4
France	1.5	2.6	6.3	10.5	4.9	11.3	11.0	12.3	11.1	13.1	5.4	- 3.9	6.3	-12.3	- 1.6
Germany	124.2	60.3	44.1	30.3	25.0	43.4	5.4	199.0	27.4	20.6	51.7	-23.2	242.5	20.1	2.4
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy	39.6	30.9	23.0	25.9	31.1	53.0	72.2	38.7	44.2	28.2	47.8	42.3	24.9	29.7	4.9
Japan	- 8.3	-15.1	-17.7	nav	nav	nav	-16.7	neg	nav	700	nav	neg	neg	nav	1,300
Netherlands	30.9	25.1	11.6	8.6	6.9	44.9	30.9	22.6	17.7	14.4	34.0	13.1	31.5	6.7	7.8
Singapore	14.1	14.7	6.9	11.0	9.5	22.7	20.0	13.8	13.5	17.0	31.7	16.3	- 8.2	14.4	13.7
Sweden	12.9	12.1	8.1	9.1	7.4	20.7	37.5	32.2	23.8	29.3	38.6	18.9	20.9	18.3	8.3
Switzerland	36.5	25.7	23.0	20.7	9.6	34.3	27.0	9.5	28.9	25.9	34.8	- 3.6	- 4.7	53.4	48.6
United Kingdom	8.9	- 3.6	15.1	14.8	5.0	27.0	18.4	15.6	18.8	13.6	29.3	27.6	20.9	17.4	10.7
United States	65.6	48.5	30.8	38.2	19.1	54.4	58.4	46.5	31.0	27.2	68.7	63.0	46.8	35.3	29.9
CPSS ³	27.9	22.6	20.7	48.1	14.7	35.4	33.6	33.2	23.7	21.0	20.4	22.4	33.3	24.4	15.5

¹ Converted at yearly average exchange rates. ² Figures for 1999 and thereafter are not consistent with those up to 1998. Figures up to 1998 are for the local POS services, which are no longer available. Figures for 1999 and thereafter are for the nationwide debit card service launched in January 1999. ³ Average excluding those countries where data are not available. ⁴ In USD terms, converted using yearly average exchange rates.

Table 7
Cards with a credit function and accepting terminals

	Number of accepting terminals per million inhabitants (end of year)					Number of transactions per inhabitant					Average value per transaction (USD) ¹				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	nav	nav	nav	nav	nav	3.5	3.9	4.3	4.8	5.2	125.7	110.7	111.1	107.6	94.7
Canada	26,456	26,900	27,565	27,242	31,225	30.4	31.9	33.3	37.6	41.3	62.0	64.7	65.9	63.4	65.0
France	11,070	11,312	11,976	13,181	13,884	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Germany ²	12,211	13,406	13,911	14,852	16,449	3.5	3.7	3.9	4.1	4.3	134.7	119.3	101.1	99.6	87.9
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy	nav	nav	nav	nav	nav	2.0	2.5	3.0	4.0	4.7	119.0	104.8	102.0	97.7	84.9
Japan	3,716	4,393	5,161	5,487	6,069	9.0	10.1	11.8	12.0	15.8	136.0	117.5	96.9	116.6	100.7
Netherlands ³	nav	nav	nav	nav	nav	2.8	3.1	3.1	3.4	3.6	117.8	105.2	100.2	100.5	96.0
Singapore ⁴	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Sweden	6,945	7,778	8,406	9,160	9,822	1.2	1.5	1.8	1.9	2.3	119.9	94.2	86.9	95.7	87.3
Switzerland	nav	nav	nav	nav	nav	7.6	8.5	9.8	12.1	10.4	163.4	139.4	136.3	121.7	115.3
United Kingdom	9,357	8,980	10,299	11,778	12,317	19.1	21.2	23.0	25.1	27.1	81.4	88.5	91.7	95.7	95.9
United States	nav	nav	nav	nav	nav	60.8	63.0	64.8	69.0	74.4	60.9	63.5	66.0	68.5	71.4
CPSS ⁵	9,665	10,213	10,989	11,748	12,862	30.0	31.5	32.8	35.5	38.3	68.4	70.0	71.4	73.9	76.5

Note: For an explanation of the footnotes refer to the end of the table. Please refer to the individual country tables for detailed explanation.

Table 7 (cont)

	Increase in the number of accepting terminals (%)					Increase in the number of transactions (%)					Increase in the value of transactions ⁶ (%)				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	nav	nav	nav	nav	nav	11.3	10.5	11.9	9.7	10.6	5.6	- 2.7	12.3	6.3	- 2.7
Canada	9.6	2.7	3.3	- 0.3	15.6	6.7	5.9	5.4	13.8	10.7	12.3	10.5	7.4	9.4	13.5
France	1.5	2.6	6.3	10.5	4.9	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Germany	11.1	10.0	3.7	6.8	10.9	8.7	4.7	4.6	6.5	4.0	5.2	- 7.3	- 11.4	5.0	- 8.2
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy	nav	nav	nav	nav	nav	24.3	21.6	24.1	30.9	18.8	65.9	7.1	20.8	25.4	3.2
Japan	41.5	18.5	17.8	6.5	10.8	nav	12.7	17.4	1.4	32.3	- 1.5	- 2.7	- 3.2	21.9	14.3
Netherlands ³	nav	nav	nav	nav	nav	nav	10.1	1.2	8.6	7.5	nav	- 1.7	- 4.6	- 2.0	9.9
Singapore ⁴	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	14.0	6.6	- 13.1	14.7	15.9
Sweden	12.9	12.1	8.1	9.1	7.4	nav	25.4	22.3	2.7	22.7	nav	- 1.5	12.8	13.1	11.9
Switzerland	nav	nav	nav	nav	nav	15.5	12.6	15.0	23.6	- 13.1	2.5	- 3.9	12.4	10.4	- 17.6
United Kingdom	8.9	- 3.6	15.1	14.8	5.0	13.2	11.3	8.7	9.5	8.6	16.9	21.0	12.7	14.2	8.8
United States	nav	nav	nav	nav	nav	8.2	4.6	3.8	7.4	8.8	11.8	9.0	8.0	11.5	13.4
CPSS ⁵	11.6	6.0	7.9	7.2	9.7	8.5	5.7	4.7	8.8	8.5	10.5	8.1	6.8	12.6	12.3

¹ Converted at yearly average exchange rates. ² The sum of the number of accepting terminals reported by the individual credit card institutions may result in double counting. ³ Includes cards with a delayed debit function. ⁴ For both credit and charge cards. ⁵ Average excluding those countries where data are not available. ⁶ In USD terms, converted using yearly average exchange rates.

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

	Number of electronic money cards (end of year, in thousands)					Average value per reloading (USD) ¹				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	159	1,035	5,606	7,898	8,396	43.4	36.4	32.2	27.9	24.3
Canada	nav	42	36	58	87	nav	nav	nav	nav	nav
France	nav	nav	nav	neg	nav	nav	nav	nav	neg	neg
Germany	22,000	35,000	60,700	60,700	60,700	neg	nav	59.7	42.7	29.1
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy	nap	62	56	32	41	nap	neg	neg	neg	neg
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Netherlands	1,400	9,500	17,900	20,100	20,800	nav	nav	nav	nav	nav
Singapore	151	683	2,193	3,464	4,697	nav	nav	nav	nav	nav
Sweden	nav	nav	205	540	593	nav	nav	39.2	34.2	26.9
Switzerland	nap	nap	2,953	3,137	3,355	nap	nap	nap	nap	nap
United Kingdom	30	110	140	160	nav	neg	neg	neg	neg	neg
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPSS ²	23,740	46,390	89,753	96,031	98,582	nap ³	nap ³	nap ³	nap ³	nap ³

Note: For an explanation of the footnotes refer to the end of the table. Please refer to the individual country tables for detailed explanation.

Table 8 (cont)

	Number of purchase terminals					Average value per transaction (USD) ¹				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	6,743	21,000	45,649	63,993	67,837	5.1	4.7	4.5	4.0	3.5
Canada	nav	1,600	1,050	970	1,245	nav	nav	nav	nav	nav
France	nav	nav	nav	neg	neg	nav	nav	nav	neg	neg
Germany	1,000	50,000	60,000	59,732	66,946	neg	neg	8.2	5.2	3.5
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy	nap	4,406	3,910	3,605	6,485	nap	neg	neg	neg	neg
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Netherlands	48,000	105,401	141,916	145,000	190,000	nav	nav	0.9	0.7	0.6
Singapore	647	6,491	10,594	14,196	16,270	8.1	9.1	0.8	0.7	1.0
Sweden	nav	nav	33,938	43,921	43,000	nap	nap	7.1	6.8	5.9
Switzerland	nap	nap	18,498	22,948	27,215	nap	nap	3.9	2.6	2.2
United Kingdom	1,922	3,537	1,642	1,921	nav	nav	nav	nav	nav	nav
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPSS ²	58,312	192,435	317,197	356,286	418,998	nap ³	nap ³	nap ³	nap ³	nap ³

¹ Converted at yearly average exchange rates. Please refer to the individual country tables for detailed explanation. ² Sum and average excluding those countries where data are not available. ³ Statistically not relevant.

Table 9
Number of cards¹
 Per thousand 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	
	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
Belgium	1,308.5	1,358.5	1,176.3	1,215.8	282.0	289.6	149.9	147.0	772.6	818.8	435.6	374.4
Canada ²	2,026.8	2,119.2	1,183.4	1,156.8	1,297.8	1,373.9	nap	nap	1.9	2.8	nap	nap
France ³	619.3	677.5	552.3	610.7	nav	nav	nav	nav	neg	neg	nap	nap
Germany	1,209.1	1,294.0	1,099.0	1,207.0	207.6	216.0	97.5	129.0	739.5	738.7	553.2	623.7
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy	361.0	366.8	343.0	350.0	267.6	293.9	nap	nap	neg	neg	neg	neg
Japan ⁴	2,624.6	2,523.9	nav	nav	1,941.6	1,758.9	nap	nap	nav	nav	nap	nap
Netherlands ⁵	1,581.5	1,595.5	1,303.1	1,312.8	278.3	282.7	nav	nav	1,271.5	1,306.5	nav	nav
Singapore ⁶	804.1	742.2	804.1	742.2	2,173.4	2,342.1	nap	nap	876.8	1,169.1	nap	nap
Sweden ⁷	520.4	560.5	471.8	515.2	343.8	429.6	nav	nav	61.0	66.8	nav	nav
Switzerland	1,106.0	1,149.2	716.3	725.6	424.3	434.6	nav	nav	437.7	465.7	729.0	739.6
United Kingdom	1,882.0	1,988.9	775.4	833.4	755.0	852.2	nap	nap	2.7	nav	911.7	948.6
United States	2,660.2	2,758.1	820.3	851.9	4,467.6	4,539.3	41.0	41.0	nav	nav	nav	nav
CPSS ⁸	1,962.1	2,012.3	811.9	852.9	2,369.2	2,386.9	nap ⁹	nap ⁹	285.6	355.6	nap ⁹	nap ⁹

Note: Please refer to the individual country tables for detailed explanation.

¹ A card which has several functions is counted in each relevant column (for example, 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 Data on cards with a credit function as on 31 October. ³ Figures for cards with a credit function are not provided. Data were incorrectly reported for the previous years and concerned up-market cards (privileged cards). ⁴ At end-March. ⁵ Data on cards with a credit function include cards with a delayed debit function. ⁶ Data on cards with a cash and/or debit function are based on a survey of eight banks. ⁷ Data on cards with a credit function include cards with a delayed debit function. ⁸ Average excluding those countries where data are not available. ⁹ Statistically not relevant.

Table 10
Use of cards

	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	
	1999	2000	1999	2000	1999	2000	1999	2000
Belgium	5.8	5.8	13.3	15.0	16.9	18.1	5.8	6.1
Canada	18.4	17.8	45.9	54.9	28.9	30.0	nav	nav
France ¹	27.3	26.4	86.9	89.2	nav	nav	nav	nav
Germany	15.2	15.8	9.5	10.5	19.8	19.8	0.3	0.4
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav
Italy	24.0	24.9	12.5	15.7	14.9	16.0	nav	nav
Japan	1.3	1.3	nav	nav	6.5	7.4	nav	nav
Netherlands ²	18.0	18.5	34.0	38.3	12.1	12.7	nav	nav
Singapore ³	nav	nav	20.7	25.8	nav	nav	22.2	21.3
Sweden ⁴	67.2	64.9	47.4	56.0	18.6	17.4	7.9	5.0
Switzerland	1.1	1.5	26.6	32.9	28.4	24.0	3.4	5.4
United Kingdom	17.6	17.1	45.6	48.0	33.2	31.8	nav	nav
United States	15.0	17.4	33.5	40.7	15.4	16.4	nav	nav
CPSS ⁵	12.9	14.1	33.4	38.4	14.9	16.0	nap ⁶	nap ⁶

Note: Please refer to the individual country tables for detailed explanation.

¹ Data on payments per card with a credit function are included in those with a debit function. ² Data on cards with a credit function include cards with a delayed debit function.

³ Payments per card with a debit function refer to shared ATM transactions. ⁴ Data on cards with a credit function include cards with a delayed debit function. ⁵ Average excluding those countries where data are not available. ⁶ Statistically not relevant.

Table 11
Use of cashless payment instruments
 Total number of transactions, in millions

	Cheques					Payments by credit/debit cards				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	109.7	95.8	86.9	80.2	70.7	249.4	281.6	342.5	403.0	462.0
Canada	1,850.9	1,736.3	1,693.0	1,716.4	1,658.2	1,580.0	1,960.7	2,364.2	2,809.0	3,230.9
France	4,952.3	4,903.0	4,825.4	4,479.6	4,493.7	2,102.6	2,334.3	2,620.6	2,911.6	3,292.4
Germany	772.0	729.0	656.1	475.7	436.6	504.1	529.2	992.6	1,198.4	1,388.7
Hong Kong SAR	140.8	149.9	135.8	134.1	138.6	nav	nav	nav	nav	nav
Italy	676.9	656.8	648.7	665.2	602.0	188.0	265.0	347.0	477.0	590.0
Japan	296.0	283.4	260.1	239.3	225.9	1,132.3	1,275.7	1,497.5	1,517.8	2,010.6
Netherlands ¹	84.3	64.9	46.6	26.7	14.2	414.8	533.8	643.9	753.4	858.6
Singapore ²	82.6	87.7	87.6	92.6	91.7	56.2	66.1	73.4	75.8	85.5
Sweden	40.0	18.0	4.0	4.0	2.0	132.0	169.0	213.0	255.0	320.0
Switzerland ³	10.3	9.3	7.7	6.7	11.2	130.9	157.6	175.9	223.0	243.5
United Kingdom	3,201.0	3,090.0	2,989.0	2,860.0	2,698.0	2,296.0	2,631.0	2,960.0	3,406.0	3,789.0
United States	nav	nav	nav	nav	49,604.0 ⁴	18,599.2	20,791.0	23,255.4	26,333.6	30,035.2
CPSS ⁵	12,216.8	11,824.1	11,440.9	10,780.5	60,046.8	27,385.5	30,995.0	35,486.0	40,363.6	46,306.4

Note: For an explanation of the footnotes refer to the end of the table. Please refer to the individual country tables for detailed explanation.

Table 11 (cont)

	Credit transfers					Direct debits				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	694.6	697.3	674.7	723.0	656.8	113.5	117.9	117.4	142.3	166.2
Canada	364.0	391.7	463.5	508.5	569.5	278.2	318.5	361.9	405.4	444.4
France	1,784.9	1,859.8	1,951.8	2,050.7	2,093.6	1,343.8	1,430.3	1,577.9	1,730.6	1,968.6
Germany	5,885.0	6,152.0	6,879.7	7,679.5	7,132.9	4,828.8	5,393.2	5,079.2	5,239.5	5,532.1
Hong Kong SAR	nav	13.5	14.8	15.5	16.6	nav	31.7	32.7	33.5	35.2
Italy	944.0	976.0	971.4	1,003.4	1,018.6	162.8	200.7	226.4	292.8	319.6
Japan	1,042.8	1,105.5	1,143.2	1,166.9	1,215.4	nav	nav	nav	nav	nav
Netherlands	1,033.5	1,053.1	1,075.5	1,086.2	1,140.4	591.9	642.8	722.6	785.0	836.2
Singapore ²	13.6	15.1	15.7	13.9	14.6	20.1	23.2	20.7	17.4	17.3
Sweden	637.0	660.0	633.0	712.0	715.0	54.0	65.0	74.0	85.0	91.0
Switzerland	471.4	505.0	554.0	586.0	545.2	21.1	25.0	27.0	30.4	46.1
United Kingdom	1,589.0	1,660.0	1,726.0	1,800.0	1,848.0	1,443.0	1,584.0	1,736.0	1,863.0	2,010.0
United States	2,240.1	2,488.6	2,899.2	3,167.8	3,486.1	1,211.4	1,347.2	1,530.9	1,676.9	1,947.3
CPSS ⁵	16,699.9	17,577.6	19,002.5	20,513.4	20,452.7	10,068.6	11,179.5	11,506.7	12,301.8	13,414.0

Note: For an explanation of the footnotes refer to the end of the table. Please refer to the individual country tables for detailed explanation.

Table 11 (cont)

	Card-based e-money					Total ⁷				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	1.5	9.4	28.2	45.5	51.3	1,168.7	1,202.0	1,249.7	1,394.0	1,407.0
Canada	nav	nav	nav	nav	nav	4,073.1	4,407.2	4,882.6	5,439.3	5,903.0
France	nap	nap	nap	nav	nav	10,183.6	10,527.5	10,975.6	11,172.5	11,848.3
Germany	0.2	4.2	13.6	20.7	26.6	11,990.1	12,807.6	13,621.2	14,613.8	14,516.9
Hong Kong SAR	nav	nav	nav	nav	nav	140.8	195.0	183.3	183.2	190.3
Italy	nav	neg	neg	neg	neg	1,971.7	2,098.5	2,193.5	2,438.4	2,530.2
Japan	nav	nav	nav	nav	nav	2,471.1	2,664.6	2,900.8	2,924.0	3,451.9
Netherlands	nav	nav	nav	nav	nav	2,124.5	2,294.6	2,488.6	2,651.3	2,849.3
Singapore ²	neg	0.7	26.3	77.0	100.1	172.5	192.7	223.7	276.6	309.1
Sweden	nav	nav	2.0	4.2	2.9	863.0	912.0	926.0	1,060.0	1,131.0
Switzerland	nav	nav	4.1	10.7	18.0	633.7	696.9	768.7	856.8	863.9
United Kingdom	nav	nav	nav	nav	nav	8,529.0	8,965.0	9,411.0	9,929.0	10,345.0
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	85,072.6 ⁴
CPSS ⁵	nap ⁶	nap ⁶	nap ⁶	nap ⁶	nap ⁶	44,321.8	46,963.6	49,824.7	52,938.9	140,418.5

¹ Payments by credit/debit cards include cards with a delayed debit function. ² Interbank transactions only. Payments by credit/debit cards excludes credit card transactions. Credit transfers includes large-value transactions (MEPS). ³ Includes Eurocheques, bank cheques, Swiss banker travellers cheques and, as from 2000, Postcheques. ⁴ Preliminary. Based on findings from a new survey of US financial institutions. Statistics reported in prior years may have been overestimated and are currently under review. ⁵ Sum and average excluding those countries where data are not available. ⁶ Statistically not relevant. ⁷ Sum of the available data.

Table 12
Use of cashless payment instruments
 Total number of transactions per inhabitant

	Cheques					Payments by credit/debit cards					Credit transfers				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	10.8	9.4	8.5	7.8	6.9	24.6	27.7	33.6	39.4	45.1	68.4	68.5	66.1	70.7	64.1
Canada	62.2	57.7	55.8	56.1	53.7	53.1	65.2	78.0	91.8	104.7	12.2	13.0	15.3	16.6	18.5
France	82.7	81.5	79.9	73.9	74.4	35.1	38.8	43.4	48.0	54.5	29.8	30.9	32.3	33.8	34.6
Germany	9.4	8.9	8.0	5.8	5.3	6.2	6.5	12.1	14.6	14.6	71.9	75.0	83.9	93.6	86.8
Hong Kong SAR	21.9	23.1	20.8	20.3	20.8	nav	nav	nav	nav	nav	nav	2.1	2.3	2.4	2.5
Italy	11.8	11.4	11.3	11.5	10.4	3.3	4.6	6.0	8.3	10.2	16.4	17.0	16.9	17.4	17.6
Japan	2.4	2.2	2.1	1.9	1.8	9.0	10.1	11.8	12.0	15.8	8.3	8.8	9.0	9.2	9.6
Netherlands ¹	5.4	4.2	3.0	1.7	0.9	26.7	34.2	41.0	47.7	53.9	66.6	67.5	68.5	68.7	71.6
Singapore ²	22.5	23.1	22.3	23.4	22.8	15.3	17.4	18.7	19.2	21.3	3.7	4.0	4.0	3.5	3.6
Sweden	4.5	2.0	0.5	0.5	0.2	14.9	19.2	24.0	28.8	36.1	72.1	74.6	71.5	80.4	80.6
Switzerland	1.4	1.3	1.1	0.9	1.6	18.4	22.2	24.7	31.1	33.8	66.3	71.0	77.7	81.8	75.7
United Kingdom	54.5	52.4	50.5	48.1	45.2	39.1	44.6	50.0	57.3	63.5	27.0	28.1	29.1	30.3	31.0
United States	nav	nav	nav	nav	180.1 ³	70.1	77.6	86.0	96.5	109.1	8.4	9.3	10.7	11.6	12.7
CPSS ⁴	27.4	26.6	25.5	23.9	81.2	37.8	42.5	48.3	54.9	61.9	23.0	22.9	24.7	26.6	26.4

Note: For an explanation of the footnotes refer to the end of the table. Please refer to the individual country tables for detailed explanation.

Table 12 (cont)

	Direct debits					Card-based e-money					Total ⁶				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	11.2	11.6	11.5	13.9	16.2	0.2	0.9	2.8	4.4	5.0	115.1	118.1	122.5	136.4	137.2
Canada	9.3	10.6	11.9	13.3	14.4	nav	nav	nav	nav	nav	136.8	146.5	161.0	177.8	191.3
France	22.4	23.8	26.1	28.5	32.6	nap	nap	nap	nav	nav	170.0	175.0	181.7	184.2	196.1
Germany	59.0	65.7	61.9	63.8	67.3	neg	0.1	0.2	0.3	0.3	146.4	156.1	166.1	178.0	176.7
Hong Kong SAR	nav	4.9	5.0	5.1	5.3	nav	nav	nav	nav	nav	21.9	30.0	28.0	27.7	28.6
Italy	2.8	3.5	3.9	5.1	5.5	nap	neg	neg	neg	neg	34.4	36.5	38.1	42.3	43.8
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav	19.7	21.1	22.9	23.1	27.2
Netherlands	38.1	41.2	46.0	49.7	52.5	nav	nav	nav	nav	nav	136.9	147.0	158.5	167.7	179.0
Singapore ²	5.5	6.1	5.3	4.4	4.3	neg	0.2	6.7	19.5	24.9	47.0	50.8	57.0	70.0	76.9
Sweden	6.1	7.3	8.4	9.6	10.3	nav	nav	0.2	0.5	0.3	97.6	103.2	104.6	119.7	127.5
Switzerland	3.0	3.5	3.8	4.2	6.4	nap	nap	0.6	1.5	2.5	89.2	98.0	107.8	119.6	119.9
United Kingdom	24.5	26.8	29.3	31.3	33.7	nav	nav	nav	nav	nav	145.1	151.9	158.9	167.1	173.4
United States	4.6	5.0	5.7	6.1	7.1	nav	nav	nav	nav	nav	nav	nav	nav	nav	308.9 ³
CPSS ⁴	16.8	18.5	18.9	19.9	21.7	nap ⁵	nap ⁵	nap ⁵	nap ⁵	nap ⁵	93.8	99.7	104.9	111.3	186.7

¹ Payments by credit/debit cards include cards with a delayed debit function. ² Interbank transactions only. Payments by credit/debit cards excludes credit card transactions. Credit transfers includes large-value transactions (MEPS). ³ Preliminary. Based on findings from a new survey of US financial institutions. Statistics reported in prior years may have been overestimated and are currently under review. ⁴ Sum and average excluding those countries where data are not available. ⁵ Statistically not relevant. ⁶ Sum of the available data.

Table 13
Relative importance of cashless payment instruments
 Percentage of total volume of cashless transactions¹

	Cheques					Payments by credit/debit cards					Credit transfers				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	9.4	8.0	7.0	5.8	5.0	21.3	23.4	27.4	28.9	32.8	59.4	58.0	54.0	51.9	46.7
Canada	45.4	39.4	34.7	31.6	28.1	38.8	44.5	48.4	51.6	54.7	8.9	8.9	9.5	9.3	9.6
France	48.6	46.6	44.0	40.1	37.9	20.6	22.2	23.9	26.1	27.8	17.5	17.7	17.8	18.4	17.7
Germany	6.4	5.7	4.8	3.3	3.0	4.2	4.1	7.3	8.2	9.6	49.1	48.0	50.5	52.5	49.1
Hong Kong SAR	100.0	76.9	74.1	73.2	72.8	nav	nav	nav	nav	nav	nav	6.9	8.1	8.5	8.7
Italy	34.5	31.3	29.6	27.3	23.8	9.5	12.6	15.8	19.6	23.3	47.9	46.5	44.3	41.2	50.3
Japan	12.0	10.6	9.0	8.2	6.5	45.8	47.9	51.6	51.9	58.2	42.2	41.5	39.4	39.9	35.2
Netherlands ²	4.0	2.8	1.9	1.0	0.5	19.5	23.3	25.7	28.2	29.9	48.6	45.9	42.9	40.6	39.7
Singapore ³	47.9	45.5	39.2	33.5	29.7	32.6	34.3	32.8	27.4	27.7	7.9	7.8	7.0	5.0	4.7
Sweden	4.6	2.0	0.4	0.4	0.2	15.3	18.6	23.0	24.0	28.3	73.8	72.3	68.4	67.2	63.2
Switzerland	1.6	1.3	1.0	0.8	1.3	20.7	22.6	22.9	26.0	28.2	74.4	72.5	72.1	68.4	63.1
United Kingdom	37.5	34.5	31.8	28.8	26.1	26.9	29.3	31.5	34.3	36.6	18.6	18.5	18.3	18.1	17.9
United States ⁴	nav	nav	nav	nav	58.3	nav	nav	nav	nav	35.3	nav	nav	nav	nav	4.1
CPSS ⁵	31.9	27.4	25.4	23.4	35.5	25.0	27.0	29.5	32.3	34.6	37.3	36.6	36.3	35.4	23.9

Note: For an explanation of the footnotes refer to the end of the table. Please refer to the individual country tables for detailed explanation.

Table 13 (cont)

	Direct debits					Card-based e-money				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	9.7	9.8	9.4	10.2	11.8	0.1	0.8	2.3	3.3	3.6
Canada	6.8	7.2	7.4	7.5	7.5	nav	nav	nav	nav	nav
France	13.2	13.6	14.4	15.5	16.6	nap	nap	nap	nav	nav
Germany	40.3	42.1	37.3	35.9	38.1	neg	neg	0.1	0.1	0.2
Hong Kong SAR	nav	16.2	17.8	18.3	18.5	nav	nav	nav	nav	nav
Italy	8.3	9.6	10.3	12.0	12.6	nap	neg	neg	neg	neg
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Netherlands	27.9	28.0	28.8	29.4	29.1	nav	nav	nav	nav	nav
Singapore ³	11.7	12.0	9.2	6.3	5.6	neg	0.4	11.8	27.8	32.4
Sweden	6.3	7.1	8.0	8.0	8.0	nav	nav	0.2	0.4	0.3
Switzerland	3.3	3.6	3.5	3.5	5.3	nap	nap	0.5	1.3	2.1
United Kingdom	16.9	17.7	18.4	18.8	19.4	nav	nav	nav	nav	nav
United States ⁴	nav	nav	nav	nav	2.3	nav	nav	nav	nav	nav
CPSS ⁵	19.3	21.1	20.5	20.6	13.0	nap ⁶	nap ⁶	nap ⁶	nap ⁶	nap ⁶

¹ Where the total is the sum of the available data. ² Payments by credit/debit cards include cards with a delayed debit function. ³ Interbank transactions only. Payments by credit/debit cards excludes credit card transactions. Credit transfers includes large-value transactions (MEPS). ⁴ Preliminary. Based on findings from a new survey of US financial institutions. Statistics reported in prior years may have been overestimated and are currently under review. ⁵ Average excluding those countries where data are not available. ⁶ Statistically not relevant.

Table 14
Relative importance of cashless payment instruments
 Percentage of total value of cashless transactions¹

	Cheques					Payments by credit/debit cards					Credit transfers				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	2.9	2.9	3.2	0.6	0.5	0.1	0.2	0.2	0.1	0.2	96.7	96.7	96.3	98.9	99.0
Canada	97.3	97.0	96.5	21.5	14.6	0.7	0.7	0.8	0.5	0.6	1.5	1.8	2.1	77.5	84.8
France	4.0	3.9	2.6	2.9	2.9	0.2	0.2	0.1	0.2	0.2	95.0	95.1	96.6	96.2	96.2
Germany	8.8	7.9	7.2	3.9	3.4	0.2	0.2	0.3	0.3	0.4	79.2	79.3	79.0	83.9	86.3
Hong Kong SAR	100.0	97.3	94.2	93.2	93.1	nav	nav	nav	nav	nav	nav	2.3	5.0	6.0	6.1
Italy	3.7	3.3	2.9	3.7	3.2	neg	neg	neg	0.1	0.1	96.0	96.3	96.8	95.7	96.2
Japan	3.6	3.0	2.4	2.7	2.7	neg	neg	neg	neg	0.1	96.4	96.9	97.5	97.2	97.3
Netherlands ²	0.3	0.2	0.1	0.1	0.1	1.0	1.1	1.2	1.4	1.4	93.7	93.8	93.8	93.4	93.5
Singapore ³	7.1	5.9	4.9	5.1	4.7	0.2	0.1	0.2	0.2	0.2	92.6	93.7	94.8	94.6	95.0
Sweden	nav	nav	0.5	0.4	0.3	1.4	1.6	1.9	2.3	2.6	95.7	95.8	94.9	94.3	93.9
Switzerland	0.1	neg	neg	neg	neg	0.1	neg	neg	0.1	0.1	99.8	99.8	99.8	99.8	99.7
United Kingdom	5.9	5.0	4.4	2.8	2.5	0.3	0.3	0.3	0.2	0.2	92.7	93.8	94.4	96.3	96.6
United States ⁴	nav	nav	nav	nav	6.5	nav	nav	nav	nav	0.3	nav	nav	nav	nav	92.1
CPSS ⁵	22.9	22.1	20.8	15.1	11.5	0.2	0.2	0.2	0.2	0.3	75.3	76.0	82.0	83.0	86.4

Note: For an explanation of the footnotes refer to the end of the table. Please refer to the individual country tables for detailed explanation.

Table 14 (cont)

	Direct debits					Card-based e-money				
	1996	1997	1998	1999	2000	1996	1997	1998	1999	2000
Belgium	0.3	0.3	0.3	0.3	0.3	neg	neg	neg	neg	neg
Canada	0.5	0.7	0.7	0.5	0.1	nav	nav	neg	neg	neg
France	0.8	0.8	0.6	0.7	0.8	nap	nap	nap	nav	nav
Germany	11.8	12.6	13.5	11.9	10.0	nav	nav	neg	neg	neg
Hong Kong SAR	nav	0.4	0.8	0.8	0.8	nav	nav	nav	nav	nav
Italy	0.2	0.3	0.3	0.5	0.5	nap	neg	neg	neg	neg
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Netherlands	5.0	4.9	4.9	5.2	5.1	nav	nav	nav	nav	nav
Singapore ³	0.2	0.2	0.2	0.2	0.2	neg	neg	neg	neg	neg
Sweden	2.9	2.5	2.7	3.0	3.2	nav	nav	neg	neg	neg
Switzerland	0.1	0.1	0.1	0.1	0.2	nap	nap	neg	neg	neg
United Kingdom	1.1	1.0	1.0	0.7	0.7	nav	nav	nav	nav	nav
United States ⁴	nav	nav	nav	nav	1.1	nav	nav	nav	nav	nav
CPSS ⁵	3.6	3.8	4.0	3.6	2.2	nap ⁶	nap ⁶	nap ⁶	nap ⁶	nap ⁶

¹ Where the total is the sum of the available data. ² Payments by credit/debit cards include cards with a delayed debit function. ³ Interbank transactions only. Payments by credit/debit cards excludes credit card transactions. Credit transfers includes large-value transactions (MEPS). ⁴ Preliminary. Based on findings from a new survey of US financial institutions. Statistics reported in prior years may have been overestimated and are currently under review. ⁵ Average excluding those countries where data are not available. ⁶ Statistically not relevant.

Table 15
Features of selected interbank funds transfer systems
 End of 2000, unless otherwise noted

	Type ¹	Owner/manager ²	Number of participants		Processing ³	Settlement ⁴	Membership ⁵
			Total	of which: direct			
Belgium							
ELLIPS	L	B+CB	94	17	RTT	RTGS	O
Clearing House	R	B+CB	91	39	RTT	N	O
CEC	R	B+CB	94	33	RTT	N	O
Canada							
LVTS	L	PA	14	14	RTT	N	O
France							
CH Paris	R	B/PA	368	25	M	N	RM
CH Province	R	CB	267	219	M	N	O
SIT	R	B/PA+B	311	17	RTT	N	RM
CREIC	R	CB	28	28	ACH	N	O
TBF	L	CB	651	200	RTT	RTGS	O
PNS	L	CB+B/PA	468	24	RTT	N/BN/RTGS	RM
Germany ⁶							
RPS (former DTA)	R	CB	2,486	2,486	ACH	GS	O
EAF (former EAF2)	L	CB	67	67	RTT	N/BN	RM
ELS	L	CB	2,486	2,486	RTT	RTGS/GS	O
Hong Kong SAR							
HKD CHATS	All value	CMA ⁷	151	151	RTT	RTGS	RM
USD CHATS	All value	B	102	62	RTT	RTGS	O
Italy							
BI-REL	L	CB	873	699	RTT	RTGS	RM
Local Clearing	R	CB	nav	140	RTT ⁸	N	O
Retail	R	CB ⁹	nav	211	ACH	N	O
Japan							
FXYCS ¹⁰	L	B	250	42	RTT	N/RTGS	RM
BOJ-NET Funds Transfer System	L	CB	398	398	RTT	RTGS ¹¹	RM

Note: For an explanation of the footnotes refer to the end of the table.

Table 15 (cont)

	Type ¹	Owner/manager ²	Number of participants		Processing ³	Settlement ⁴	Membership ⁵
			Total	of which: direct			
Netherlands							
Interpay	R	B	72	72	ACH	N	RM
TOP	L	CB	163	105	RTT	RTGS	RM
Singapore							
SGDCCS	R	PA	112	41	ACH	N	O
USDCCS	R	PA	53	30	ACH	GS	O
Interbank GIRO	R	PA	49	38	ACH	N	O
EFTPOS	R	B	5	5	RTT	N	RM
SATM	R	B	4	4	RTT	N	RM
MEPS	L	CB	136	92	RTT	RTGS	O
Sweden							
K-RIX	L	CB	22	22	RTT	RTGS	RM
E-RIX	L	CB	18	18	RTT	RTGS	RM
Bankgirot	R	B	20	20	ACH	N	O
Dataclearing	R	B	20	20	ACH	N	O
Postgirot ¹²	R	B	1,300,000	1,300,000	ACH	GS	O
Switzerland							
SIC	L+R	B+CB	302	302	RTT	RTGS	RM
DTA/LSV	R	B	157	157	ACH	GS	RM
United Kingdom							
CHAPS Sterling	L	B+CB	391	14	RTT	RTGS	RM
CHAPS Euro	L	B+CB	104	20	RTT	RTGS	RM
BACS	R	B	60,000	15	ACH	N	RM
Cheque/credit	R	B	452	12	M	N	RM
United States							
Fedwire	L	CB	8,592 ¹³	8,592 ¹³	RTT	RTGS	O
CHIPS	L	B	63	63	RTT	N	RM
European Union							
EURO1	L	B	72	72	RTT	SOS ¹⁴	RM
TARGET ¹⁵	L	CB	4,298	4,038	RTT	RTGS	RM

Note: For an explanation of the footnotes refer to the end of the table.

Table 15 (cont)

	Degree of centralisation ¹⁶	Pricing ¹⁷	Closing time for same day transactions (local time)	Number of transactions ¹⁸ (thousands)		Value of transactions ^{18,19} (USD billions)		Ratio of transactions value to GDP ¹⁸ (at annual rate)	
				1999	2000	1999	2000	1999	2000
Belgium									
ELLIPS	C	F	18:00	1,970	2,360	19,519	19,775	82.5	85.6
Clearing House	D	V	15:00	4,950	4,190	113	97	0.5	0.4
CEC	C	F	15:00	937,170	885,220	478	451	2.0	2.0
Canada									
LVTS	C	F	18:30	3,040	3,500	15,348	17,366	22.7	24.7
France									
CH Paris	C	F	nap	683,689	682,210	885	671	0.6	0.5
CH Province	D	N	nap	2,662,766	2,771,691	1,141	1,074	0.8	0.8
SIT	C	F	13:30	5,913,787	6,485,332	2,503	2,271	1.7	1.8
CREIC	D	V	nap	304,530	307,724	30	24	neg	neg
TBF domestic	C	F	18:00	2,263	3,025	55,333	48,771	38.5	37.7
PNS	C	F	16:00	5,197	5,515	25,622	20,176	17.8	15.6
Germany ²⁰									
RPS (former DTA)	D	F	nap	2,176,220	2,226,589	2,388	2,073	1.1	1.1
EAF (former EAF2)	C	F	16:00	12,097	12,988	41,610	38,350	19.8	20.5
ELS	C	F	18:00	16,038	17,840	23,847	22,167	11.3	11.8
Hong Kong SAR									
HKD CHATS	C	F	17:30 ²¹	3,151	3,410	9,657	11,670	61.3	71.8
USD CHATS	C	F	17:30	nap	185 ²²	nap	242 ²²	nap	4.5
Italy									
BI-REL	C	F	18:00	10,202	10,401	26,255	25,659	22.2	23.8
Local Clearing	D	V	12:00	103,942	109,438	757	665	0.6	0.6
Retail	C	F	nap ²³	959,750	1,005,362	1,454	1,420	1.2	1.3
Japan									
FXYCS	C	V ²⁴	13:45(N)/17:00(G)	9,995	9,298	62,389	57,961	13.9	12.2
BOJ-NET Funds									
Transfer System	C	V ²⁴	17:00	4,810	4,715	302,793	328,430	67.3	69.2

Note: For an explanation of the footnotes refer to the end of the table.

Table 15 (cont)

	Degree of centralisation ¹⁶	Pricing ¹⁷	Closing time for same day transactions (local time)	Number of transactions ¹⁸ (thousands)		Value of transactions ^{18,19} (USD billions)		Ratio of transactions value to GDP ¹⁸ (at annual rate)	
				1999	2000	1999	2000	1999	2000
Netherlands									
Interpay	C	F	17:00	2,152,500	2,328,445	1,351	1,357	3.6	3.6
TOP	C	F	18:00	3,258	3,744	15,455	17,090	41.2	45.8
Singapore									
SGDCCS	C	V	16:45 ²⁵	92,180	91,259	294	262	3.5	2.9
USDCCS	C	V	15:30	375	390	9	12	0.1	0.1
Interbank GIRO	C	V	12:00 ²⁶	29,380	29,980	40	42	0.5	0.5
EFTPOS	C	V	23:59	65,740	76,932	2.5	2.7	neg	neg
SATM	D	V	23:59	10,100	8,540	1.4	1.2	neg	neg
MEPS	C	V	18:30 ²⁷	1,866	1,908	5,544	5,533	65.1	60.3
Sweden									
K-RIX	C	F	17:00	343	510	12,208	11,689	50.3	51.1
E-RIX	C	F	17:00	47	62	1,540	1,582	6.4	6.9
Bankgirot	C	F	. ²⁸	338,000	351,410	395	407	1.6	1.8
Dataclearing	C	F	. ²⁸	84,980	78,217	183	147	0.8	0.6
Postgirot	C	F	. ²⁸	458,000	454,000	492	445	2.0	1.9
Switzerland									
SIC	C	F	16:15	141,700	149,500	27,363	26,444	111.4	110.3
DTA/LSV	C	F	09:00	104,500	105,900	232	228	0.9	1.0
United Kingdom									
CHAPS Sterling	C	F	17:00	19,786	21,705	72,337	74,464	49.6	52.1
CHAPS Euro	C	F	17:00	2,468	3,250	35,777	38,358	24.5	26.8
BACS	C	F	. ²⁸	3,096,000	3,317,000	2,851	2,912	2.0	2.0
Cheque/credit	D	F	. ²⁸	2,158,000	2,033,000	2,383	2,202	1.6	1.5
United States									
Fedwire	C	F	18:30	102,800	108,300	343,382	379,756	37.0	38.5
CHIPS	C	F	17:00	57,300	59,800	297,934	292,147	32.1	29.6
European Union									
EURO1	C	F	16:00	17,646	24,692	44,215	49,644	nap	nap
TARGET	D	F	18:00	42,258	47,980	239,472	263,291	nap	nap

Note: For an explanation of the footnotes refer to the end of the table.

¹ L = large-value system; R = retail system. ² B = banks; CB = central banks; PA = payment association. ³ M = manual; ACH = automated clearing house (offline); RTT = real-time transmission. ⁴ N = multilateral netting; BN = bilateral netting; RTGS = real-time gross settlement; GS = other gross settlement. ⁵ O = open membership (any bank can apply); RM = restricted membership (subject to criteria). ⁶ The EAF was closed down once when RGTS^{plus} was opened for business on 5 November 2001; the ELS will be shut down three years after the launch of RGTS^{plus}. ⁷ Central Monetary Authority. ⁸ Transactions can also be submitted on floppy disk. ⁹ System managed by SIA (Interbank Company for Automation) in the name and on behalf of the Banca d'Italia. ¹⁰ The abbreviation of the Foreign Exchange (Gaitame) Yen Clearing System has been changed from FEYCS to FXYCS. ¹¹ Settlement on a net basis was abolished in January 2001. ¹² Postgirot is a "quasi system", ie transfer between accounts in special purpose bank. Non-banks can have accounts. ¹³ Number of depository institutions that used the Fedwire Funds Transfer Service in 2000. Other Fedwire Funds Transfer participants, whose statistics are not included here, are: agencies and branches of foreign banks; the US Treasury and any entity specifically authorised by federal statute to use the Reserve Banks as fiscal agents or depositories; entities designated by the Secretary of the Treasury; foreign central banks, foreign monetary authorities, foreign governments and certain international organisations. ¹⁴ The legal structure of Euro 1 is based on the Single Obligation Structure (SOS), whereby on each settlement day, at any given time, each participant will have only one single payment obligation or claim with respect to the community of the other participants as joint creditors/debtors, which will be settled at the end of the day. In accordance with the SOS, no bilateral payments, claims or obligations between participants will be created by the processing of payments in the system. Nor will there be any form of set-off, novation or netting resulting from the continuous adjustment of the participants' single claim or obligation. ¹⁵ The RTGS systems of the countries which have adopted the euro and the ECB payment mechanism are integral parts of the TARGET system. The euro RTGS systems of Denmark, Greece, Sweden and the United Kingdom were allowed to connect to TARGET on the basis of a decision taken by the Governing Council of the ECB in July 1998. ¹⁶ Degree of centralisation: C = Centralised (one processing centre where all settlement instructions are processed and accounts settled); D = Decentralised (presence of more than one such processing centre). ¹⁷ Prices charged to participants: F = full cost (including investments); V = variable costs; S = symbolic cost (below variable cost); N = no cost. ¹⁸ Interbank transactions only. ¹⁹ Converted at yearly average exchange rates. ²⁰ The EAF was closed down once when RGTS^{plus} was opened for business on 5 November 2001; the ELS will be shut down three years after the launch of RGTS^{plus}. ²¹ 12:00 on Saturdays. ²² From 21 August. ²³ Except for credit transfers entered before 10:00 which are settled on the same day. ²⁴ Prices are set on the principle that the institutions that are to benefit from online processing should pay the relevant charges. ²⁵ 13:15 on Saturdays and eve of public holidays. ²⁶ 09:00 on Saturdays and eve of public holidays. ²⁷ 14:25 on Saturdays and eve of public holidays. ²⁸ No same day transactions.

Table 16
Operating hours of selected large-value interbank funds transfer systems
 End of 2000

System	Gross or net	Opening/closing time for same day value (local time)	Settlement finality (local time)	Cutoff for all third- party payment orders (local time)	Cutoff for international correspondents' payment orders (local time)	<i>Memo item: standard money market hours (local time)</i>
Belgium ELLIPS	<i>Gross</i>	<i>07:00-18:00</i>	<i>07:00-18:00</i>	<i>17:00</i>	<i>18:00</i>	<i>07:00-18:00</i>
Canada ¹ LVTS	<i>Net</i>	<i>07:00-18:30²</i>	<i>19:30</i>	<i>18:00</i>	<i>18:00</i>	<i>nap³</i>
France TBF	<i>Gross</i>	<i>07:00-18:00</i>	<i>07:00-18:00</i>	<i>17:00</i>	<i>nap</i>	<i>19:00-17:00</i>
PNS	<i>Gross/Net</i>	<i>08:00-16:00</i>	<i>08:00-16:00</i>	<i>16:00</i>	<i>nap</i>	<i>09:00-17:00</i>
Germany ⁴ EAF (former EAF2)	<i>Gross/Net</i>	<i>07:00-16:00</i>	<i>17:00</i>	<i>16:00⁵</i>	<i>08:00⁶</i>	<i>08:30-18:00</i>
ELS	<i>Gross</i>	<i>07:00-18:00</i>	<i>07:00-18:00</i>	<i>nap</i>	<i>nap</i>	<i>08:30-18:00</i>
Hong Kong SAR HKD CHATS	<i>Gross</i>	<i>09:00-17:30⁷</i>	<i>09:00-17:30⁷</i>	<i>17:00</i>	<i>17:30</i>	<i>09:00-17:30</i>
USD CHATS	<i>Gross</i>	<i>09:00-17:30</i>	<i>09:00-17:30</i>	<i>17:00</i>	<i>17:30</i>	<i>09:00-17:30</i>
Italy BI-REL	<i>Gross</i>	<i>07:00-18:00</i>	<i>07:00-18:00</i>	<i>17:00</i>	<i>nap</i>	<i>07:00-18:00</i>
Japan FXYCS	<i>Net</i>	<i>09:00-13:45</i>	<i>14:30⁸</i>	<i>13:45</i>	<i>13:45</i>	<i>09:00-17:00</i>
	<i>Gross</i>	<i>09:00-17:00</i>	<i>09:00-17:00</i>	<i>17:00</i>	<i>17:00</i>	<i>09:00-17:00</i>
BOJ-NET Funds Transfer System	<i>Gross⁹</i>	<i>09:00-17:00</i>	<i>09:00-17:00</i>	<i>14:00</i>	<i>14:00</i>	<i>09:00-17:00</i>

Note: For an explanation of the footnotes refer to the end of the table.

Table 16 (cont)

System	Gross or net	Opening/closing time for same day value (local time)	Settlement finality (local time)	Cutoff for all third-party payment orders (local time)	Cutoff for international correspondents' payment orders (local time)	Memo item: standard money market hours (local time)
Netherlands <i>TOP</i>	<i>Gross</i>	07:00-18:00	07:00-18:00	17:00	17:00	07:00-18:00
Singapore <i>MEPS</i>	<i>Gross</i>	06:00-20:00 ^{10,11}	09:00-18:30 ^{12,13}	18:30 ^{14,15}	<i>nap</i> ¹⁶	09:00-18:30 ¹¹
Sweden K-RIX	<i>Gross</i>	07:00-17:00	07:00-17:00	17:00	17:00	09:00-16:15
E-RIX	<i>Gross</i>	07:00-18:00	07:00-18:00	17:00	18:00	09:00-16:15
Switzerland <i>SIC</i>	<i>Gross</i>	18:00-16:15 ¹⁷	18:00-16:15	15:00	08:00	09:00-16:00
United Kingdom <i>CHAPS Sterling</i>	<i>Gross</i>	06:00-17:00	06:00-17:00	16:00	16:00	07:00-16:00
<i>CHAPS Euro</i>	<i>Gross</i>	06:00-17:00	06:00-17:00	16:00	16:00	<i>nap</i>
United States ¹⁸ <i>Fedwire</i>	<i>Gross</i>	00:30-18:30	00:30-18:30	18:00	17:00	08:30-18:30 ¹⁹
<i>CHIPS</i>	<i>Net</i>	00:30-16:30	17:30 ²⁰	16:30	16:30	08:30-18:30 ¹⁹
European Union <i>EURO1</i>	<i>Net</i>	07:30-16:00	<i>after 16:00</i>	16:00	16:00	07:00-18:00
<i>TARGET</i>	<i>Gross</i>	07:00-18:00	<i>real-time</i>	17:00	<i>nap</i>	07:00-18:00

¹ Local times are Eastern time. ² The initialisation period, for collateral pledging/valuation, setting of bilateral limits, etc, begins at 07:00. The payment message exchange period begins at 08:00. ³ No standard hours. ⁴ The EAF was closed down once when RTGS^{plus} was opened for business on 5 November 2001; the ELS will be shut down three years after launching RTGS^{plus}. ⁵ This is subject to arrangements between correspondent banks. ⁶ SWIFT guideline; in practice may be later. ⁷ To 12:00 on Saturdays. ⁸ Since January 2001. ⁹ Settlement on a net basis was abolished in January 2001. ¹⁰ The initialisation period for collateral pledging/valuation, setting of bilateral limits, etc begins at 07:00. The payment message exchange begins at 08:00. ¹¹ To 15:00 on Saturdays and eve of public holidays. ¹² For net settlement systems. ¹³ To 14:30 on Saturdays and eve of public holidays. ¹⁴ For same day clearing. ¹⁵ To 14:45 on Saturdays and eve of public holidays. ¹⁶ MEPS is used for domestic payment orders only. ¹⁷ The system is open for input 24 hours a day. Settlement services are limited by the indicated opening and closing times. A value day starts at 18:00 local time on the previous business day and ends at 16:15 on the value day. Third-party payments may be entered for same-day settlement until 15:00. Between 15:00 (cutoff 1) and 16:00 (cutoff 2) only cover (bank-to-bank) payments are accepted for same-day settlement. From 16:00 to 16:15 transactions are restricted to the processing of lombard credits (collateralised loans from the Swiss National Bank at a penalty rate). ¹⁸ Local times are Eastern time. ¹⁹ Trading occurs among dealers for funds on deposit at Federal Reserve Banks (ie federal funds) as early as 06:30. ²⁰ Payments over CHIPS become final on completion of settlement, which normally occurs between 16:30 and 17:00. Rules are designed to ensure that settlement takes place no later than 18:00.

Table 17
Features of selected securities settlement systems

Name of system	Belgium			Canada		France	
	NBB Clearing	CIK	Euroclear	DCS	SSS/BBS	RGV	RELIT
Type of securities ¹	G, O	E, O	G, E, O	B, G, O	S, B, O	B, C, G, O	B, C, G, O, S
Owner/manager ²	CB	B	B	B, SE, O	B, SE, O	Euroclear France	Euroclear France
Number of participants	151	113	1,750	79	99	659 ⁸	
<i>of which: direct participants</i>	151	113	1,750			335 ⁸	
Settlement of cash leg ³	G	G	G/N	N	N	RTGS	N
Securities settlement (delivery) ³	G	N	G/N	G	N	RTGS	GS
Delivery lag (T+n)	T+2, T+3 ⁵	T+3	T+3, T+n (OTC)	T+0, T+1 ⁷	T+3	from T to T+100	from T to T+30
DVP mechanism	DVP1	DVP1	DVP1	2	3	DVP1	DVP2
Intraday finality	Yes	Yes	Yes	Yes	No	Yes	No
Central securities depository	NBB	CIK	Euroclear (Eurobonds) + Others	CDS	CDS	Euroclear France	Euroclear France
Cash settlement agent ²	NBB	NBB	Euroclear/NBB	CB	B	CB	CB
Number of transactions (thousands)	115	248	161,000 (before netting) ⁶	1,560	41,500	40,800 ⁸	
Value of transactions ⁴ (USD billions)	2,184.4	70.0	120,270 ⁶	14,271	1,681	34,275 ⁸	
Ratio of transactions value to GDP (at annual rate)	9.6	0.3	526	20.3	2.4	26.2 ⁸	

Note: For an explanation of the footnotes refer to the end of the table.

Table 17 (cont)

	Germany	Hong Kong SAR		Italy		
Name of system	Clearstream Banking Frankfurt (CBF)	CMU	CCASS	LDT	EXPRESS ¹⁴	Monte Titoli
Type of securities ¹	G, S, B	G, O	S, O	G, S, B, O	G, S, B, O	G, S, B, O
Owner/manager ²	B, SE	CMA ¹⁰	SE	CB	Monte Titoli	Monte Titoli
Number of participants	420	179 ¹¹ /203 ¹²	570	284	154 ¹⁵	1,582
<i>of which: direct participants</i>	420	179 ¹¹ /203 ¹²	570	284	71 ¹⁵	630
Settlement of cash leg ³	RTGS, N	G/N	G/N	N	G	nap
Securities settlement (delivery) ³	RTGS, S	G/N	G/N	N	G	G
Delivery lag (T+n)	T+0 to T+40	T+0	T+2	G, B: T+3 ¹³ S, O: T+5	T	T
DVP mechanism	. ⁹	Yes	Yes	DVP3	Yes	No
Intraday finality	Yes	Yes	No	No	Yes	nap
Central securities depository	CBF	CMU	CCASS	Monte Titoli	Monte Titoli	Monte Titoli
Cash settlement agent ²	CB	CMA ¹⁰	B	CB	CB	nap
Number of transactions (thousands)	124,970	51.7	45,170	44,210	7	1,396 ¹⁶
Value of transactions ⁴ (USD billions)	nav	761.2	1,397.3	24,551	52	nav
Ratio of transactions value to GDP (at annual rate)	nav	4.7	8.6	22.8	neg	nav

Note: For an explanation of the footnotes refer to the end of the table.

Table 17 (cont)

Name of system	Japan		Netherlands	Singapore		
	BOJ-NET JGB Services	Japan Securities Depository Center ¹⁹	Necigef	MEPS-SGS	CDP	DCSS
Type of securities ¹	G	E	G, B, S	G	E,O	O
Owner/manager ²	CB	B, SE, O	SE	CB	SE	SE
Number of participants	371 (Book-entry system)/ 421 (Registration system)	296	64	136	87	63
<i>of which: direct participants</i>	371/421	296	64	92	31	63
Settlement of cash leg ³	RTGS ¹⁷	GS/N	RTGS	RTGS	N	G
Securities settlement (delivery) ³	RTGS ¹⁷	GS/N	RTGS	G	G	G
Delivery lag (T+n)	T+0 to T+3 ¹⁸	T+3	T+3	T+0	T+3	T+n ²²
DVP mechanism	DVP1	DVP3 ²⁰	DVP1	DVP1	DVP2	DVP1
Intraday finality	Yes	Yes	Yes	Yes	Yes	Yes
Central securities depository	CB	JASDEC	Necigef	CB	CDP	CDP
Cash settlement agent ²	CB	CB, B	CB, B	CB	B	CB
Number of transactions (thousands)	2,073/143	34,710	3,170	21	99,301,000 ²¹	1.7
Value of transactions ⁴ (USD billions)	96,452/4,136	nav	933	100	99	3
Ratio of transactions value to GDP (at annual rate)	20.31/0.87	nav	2.3	1.1	1.1	neg

Note: For an explanation of the footnotes refer to the end of the table.

Table 17 (cont)

	Sweden		Switzerland	United Kingdom		United States	
Name of system	VPC	OM	SECOM	CMO	CREST	Fedwire	DTC
Type of securities ¹	G, E, O	O	G, B, S, O	C, O	G, B, S, O	G	E, O
Owner/manager ²	B, O	O	B	O	B, S, E, O	CB	B, SE, O
Number of participants	55	63	383	70	55,342	1,249 ²³	418
of which: direct participants	55	63	383	nap	nap	1,249 ²³	418
Settlement of cash leg ³	G/N	N	G	N	N	RTGS	N
Securities settlement (delivery) ³	G	N	G	RTGS	RTGS	RTGS	GS
Delivery lag (T+n)	T+2, T+3	T+3	T+3	T	T+5, T+1	T	T+3
DVP mechanism	DVP2/ DVP3/DVP1	No	DVP1	DVP2	DVP2	DVP1	DVP2
Intraday finality	Yes	Yes	Yes	Yes	Yes	Yes	No
Central securities depository	VPC	OM	SIS SegalInterSettle	CMO	nap	CB	DTC
Cash settlement agent ²	CB	CB	CB	CB	B, CB	CB	DTC
Number of transactions (thousands)	7,740	57,900	14,500	201	59,086	13,600	230,300
Value of transactions ⁴ (USD billions)	8,263	486	3,413.2	3,644	73,777	188,100	116,400
Ratio of transactions value to GDP (at annual rate)	38.0	2.2	14.2	2.5	51.6	19.1	11.8

¹ B = bonds; C = CDs; G = government securities; S = shares; O = others. ² B = banks; CB = central banks; SE = stock exchange; O = other. ³ G = gross; N = net; RTGS = real-time gross settlement. ⁴ Converted at yearly average exchange rates. ⁵ For Treasury bills, T+2; for bonds, T+3. ⁶ Including Euroclear France. ⁷ Although all securities have the potential for T+0 delivery, money market mutual funds tend to be T+1. ⁸ RGV and RELIT combined. ⁹ Mixture of DVP 2 + DVP 3 (securities disposition on a gross basis without finality until final settlement of net cash position. ¹⁰ Central Monetary Authority. ¹¹ Recognised dealer for Exchange Fund Bills and Notes. ¹² CMU member for private sector debt. ¹³ For government bills, T+2. ¹⁴ Since 20 November 2000. ¹⁵ Number of accounts. ¹⁶ Free of payment (FoP) transfers not including multilateral net balances from LdT. ¹⁷ Settlement on a net basis was abolished in January 2001. ¹⁸ T+3 is the norm for outright transactions. Most repo transactions are settled on a T+2 to T+3 basis. Settlement for the BOJ's market operations takes place on a T+0 to T+3 basis. ¹⁹ End-March 2001. ²⁰ For stocks traded on the Tokyo Stock Exchange and the Osaka Securities Exchange since May 2001. ²¹ Number of securities cleared. ²² By mutual agreement between counterparties. ²³ Number of depository institutions that used Fedwire in 2000. Other Fedwire participants, whose statistics are not included here, are: agencies and branches of foreign banks; the US Treasury and any entity specifically authorised by federal statute to use the Reserve Banks as fiscal agents or depositories; entities designated by the Secretary of the Treasury; foreign central banks, foreign monetary authorities, foreign governments and certain international organisations.

Table 18
Direct participants in CPSS real-time gross settlement systems
 End of 2000

	Belgium	Canada	France	Germany	Hong Kong SAR		Italy	Japan
Name of system	ELLIPS	nap	TBF	ELS	HKD CHATS	USD CHATS	BI-REL	BOJ-NET Funds Transfer System
Direct participants	17	nap	200	2,486	151	62	699	398
Credit institutions	15	nap	170	2,485	151	61	687 ²	337
Central bank	1	nap	1	1	1 ¹	1	1	0
Non-banks	1	nap	29	0	0	0	11 ³	61 ⁴
<i>of which:</i>								
<i>public authorities</i>	0		0				0	0
<i>postal administration</i>	1		1				1	0
<i>supervised financial institutions</i>	0		28				8	57

Note: For an explanation of the footnotes refer to the end of the table.

Table 18 (cont)

Name of system	Netherlands	Singapore	Sweden		Switzerland	United Kingdom		United States	European Union
	TOP	MEPS	K-RIX	E-RIX	SIC	CHAPS Sterling	CHAPS Euro	Fedwire	TARGET
Direct participants	105	92	22	18	302	14	20	8,592 ⁷	4,025
Credit institutions	94	91	17	13	288	13	19	8,592 ⁷	3,915
Central bank	1	1	1	1	1	1	1	nav	14
Non-banks	10 ⁵	0	4	4	13 ⁶	0	0	nav	96 ⁸
<i>of which:</i>									
<i>public authorities</i>	2		0	0	1				13
<i>postal administration</i>	0		0	0	1				3
<i>supervised financial institutions</i>	4		4	4	2				73

¹ The central bank is not a direct participant. ² Of which: 30 branches of other EU banks; 14 branches of non-EU banks; 1 remote participant. ³ Includes, amongst others, Cassa Compensazione e Garanzia (clearing house) and Monte Titoli (Central Securities Depository). ⁴ Includes, amongst others, two stock exchanges, one bankers' association and the Deposit Insurance Corporation of Japan. ⁵ Includes, amongst others, clearing and settlement organisations. ⁶ Includes, amongst others, SNOG AG, Pool CASH Card and technical accounts. ⁷ Number of depository institutions that used the Fedwire Funds Transfer Service in 2000. Other Fedwire Funds Transfer participants, whose statistics are not included here, are: agencies and branches of foreign banks; the US Treasury and any entity specifically authorised by federal statute to use the Reserve Banks as fiscal agents or depositories; entities designated by the Secretary of the Treasury; foreign central banks, foreign monetary authorities, foreign governments and certain international organisations. ⁸ Includes, amongst others, other participants (see also footnotes 3 and 5).

Table 19
Direct participants in CPSS large-value payment systems
 End of 2000

	Belgium	Canada	France	Germany	Hong Kong SAR		Italy	Japan
Name of system	nav	LVTS	PNS	EAF	HKD CHATS	USD CHATS	nap³	FXYCS
Direct participants	nav	14	24	67	151	62	nap	42
Credit institutions	nav	13 ¹	23	67	151	61	nap	42
Central bank	nav	1	nap	0	1 ²	1	nap	0
Non-banks	nav	0	1	0	0	0	nap	0
<i>of which:</i>								
<i>public authorities</i>			0					
<i>postal administration</i>			1					
<i>supervised financial institutions</i>			0					

	Netherlands	Singapore	Sweden	Switzerland	United Kingdom	United States	European Union
Name of system	nap	MEPS	nap	nap	nap	Fedwire/CHIPS	EURO1
Direct participants	nap	92	nap	nap	nap	8,593	72
Credit institutions	nap	91	nap	nap	nap	nav	72
Central bank	nap	1	nap	nap	nap	nav	0
Non-banks	nap	0	nap	nap	nap	nav	0
<i>of which:</i>							
<i>public authorities</i>							
<i>postal administration</i>							
<i>supervised financial institutions</i>							

¹ Ten chartered banks and two local credit unions and caisses populaires. ² The central bank is not a direct participant. ³ The only large-value payment system in Italy is BI-REL. For details please see Table 18.

Table 20
Direct participants in CPSS retail interbank funds transfer systems
 End of 2000

	Belgium		Canada	France		Germany	Hong Kong SAR
Name of system	Clearing House	CEC	ACSS	CH and CREIC	SIT	RPS	nap
Direct participants	39	33	12	244	17	2,486	nap
Credit institutions	36	29	11 ¹	240	15	2,485	nap
Central bank	1	1	1	1	1	1	nap
Non-banks	2	3	0	3	1	0	nap
<i>of which:</i>							
<i>public authorities</i>	1	2		2	0		
<i>postal administration</i>	1	1		1	1		
<i>supervised financial institutions</i>	0	0		0	0		

	Italy		Japan		Netherlands	Singapore		
Name of system	BI-COMP		Zengin system	Bill and cheque clearing system⁴	Interpay	SGDCCS	IBG	EFTPOS
	Local Clearing	Retail						
Direct participants	140	211	155	124	72	41	38	5
Credit institutions	137 ²	209 ³	155	122	71	40	38	5
Central bank	1	1	0	1	1	1	0	0
Non-banks	2	1	0	1	0	0	0	0
<i>of which:</i>								
<i>public authorities</i>	1	0		0				
<i>postal administration</i>	1	1		1				
<i>supervised financial institutions</i>	0	0		0				

Note: For an explanation of the footnotes refer to the end of the table.

Table 20 (cont)

Name of system	Sweden			Switzerland	United Kingdom		United States
	Bankgirot	Dataclearing	Postgirot	DTA/LSV	BACS	Cheque and credit clearing	nav
Direct participants	20	20	1,300,000	256	15	12	nav
Credit institutions	20	20	nap	256	14	11	nav
Central bank	nap	nap	nap	nap	1	1	nav
Non-banks	nap	nap	1,300,000	nap	0	0	nav
<i>of which:</i>							
<i>public authorities</i>			1,300,000				
<i>postal administration</i>			0				
<i>supervised financial institutions</i>			0				

¹ Eight chartered banks and two local credit unions and caisses populaires. ² Of which: 3 branches of other EU banks. ³ Of which: 14 branches of other EU banks and 6 branches of non-EU banks. ⁴ Figures for Tokyo Clearing House.

Table 21
Access criteria for CPSS real-time gross settlement systems
 End of 2000

	Belgium	Canada	France	Germany	Hong Kong SAR	Italy	Japan
Name of system	ELLIPS	nap	TBF	EU RTGS	HKD RTGS	BI-REL	BOJ-NET Funds Transfer System
Access criteria	+	nap	+	+	+	+	+
Written rules	+	nap	+	+	+	+	+
Minimum level of data or ratios representative of financial strength	+	nap	-	-	+	-	+
Minimum number of transactions	-	nap	-	-	-	-	- ²
Payment of an entry fee	+	nap	+	-	+	-	-
Approval from the owner/manager or the direct participants	+	nap	+	- ¹	+	+ ¹	+
Approval from the local central bank	+	nap	+	+	+	+	+
Technical requirements	+	nap	+	+	+	+	+
Removal rules	+	nap	+	+	+	+	+

Note: For an explanation of the footnotes refer to the end of the table.

Table 21 (cont)

	Netherlands	Singapore	Sweden		Switzerland	United Kingdom	United States
Name of system	TOP	MEPS	K-RIX	E-RIX	SIC	CHAPS Sterling/Euro	Fedwire
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	+ ¹	-	+	+	-	+	+
Approval from the local central bank	+	-	+	+	+	+	+
Technical requirements	+	+	+	+	+	+	+
Removal rules	+	+	+	+	+	+	+

Key: + = yes; - = no.

¹ The owner/manager is the central bank. ² To open a current account at the Bank of Japan, domestic and foreign securities companies are required to meet certain standards on market presence set by the Bank of Japan.

Table 22
Access criteria for other CPSS large-value payment systems
 End of 2000

	Belgium	Canada	France	Germany	Hong Kong SAR	Italy	Japan
Name of system	nav	LVTS	PNS	EU RTGS	USD RTGS	nap³	FXYCS
Access criteria	nav	+	+	+	+	nap	+
Written rules	nav	+	+	+	+	nap	+
Minimum level of data or ratios representative of financial strength	nav	–	–	–	+	nap	+
Minimum number of transactions	nav	–	–	+	–	nap	+
Payment of an entry fee	nav	+	+	–	+ ²	nap	+
Approval from the owner/manager or the direct participants	nav	+	+	– ¹	+	nap	+
Approval from the local central bank	nav	–	+	+	+	nap	+
Technical requirements	nav	+	+	+	+ ²	nap	+
Removal rules	nav	+	+	+	–	nap	+

Note: For an explanation of the footnotes refer to the end of the table.

Table 22 (cont)

	Netherlands	Singapore	Sweden	Switzerland	United Kingdom	United States	European Union
Name of system	nap	nap	nap	nap	nap	CHIPS	EURO1
Access criteria	nap	nap	nap	nap	nap	+	+
Written rules	nap	nap	nap	nap	nap	+	+
Minimum level of data or ratios representative of financial strength	nap	nap	nap	nap	nap	+	+
Minimum number of transactions	nap	nap	nap	nap	nap	–	–
Payment of an entry fee	nap	nap	nap	nap	nap	–	+
Approval from the owner/manager or the direct participants	nap	nap	nap	nap	nap	+	+
Approval from the local central bank	nap	nap	nap	nap	nap	–	–
Technical requirements	nap	nap	nap	nap	nap	+	+
Removal rules	nap	nap	nap	nap	nap	+	+

Key: + = yes; – = no.

¹ The owner/manager is the central bank. ² Not applicable to indirect participants. ³ The only large-value payment system in Italy is BI-REL. For details please see Table 21.

Table 23
Risk control measures in CPSS large-value net settlement systems
 End of 2000

	Belgium	Canada	France	Germany	Hong Kong SAR	Italy	Japan
Name of system	nap	LVTS	PNS	EAFF ⁸	nap	nap ⁹	FXYCS
1. Settlement in central banks' accounts	+	+	+	nap	nap	nap	nap
2. Same day settlement	+	+	+	nap	nap	nap	nap
3. Compliance with Lamfalussy standards	nap	+	+	nap	nap	nap	nap
a. Legal framework <i>contractual (+) or advisory (-)</i> <i>netting</i> <i>if contractual: legally enforceable (+) or not (-)</i>	nap	+ ¹	nap ⁵	nap	nap	nap	nap
b. Participants' awareness	nap	+	+	nap	nap	nap	nap
c. Risk management <i>monitoring of intraday balance</i> <i>multilateral limits</i> <i>collateral requirements</i> <i>intraday closures</i>	nap	+ + ² + + ³	nap ⁶ nap ⁶ nap ⁶ + ⁷	nap	nap	nap	nap
d. Timely settlement completion <i>risk-sharing agreements</i> <i>full collateralisation of largest net debit position</i>	nap	+ + + ⁴	nap ⁵ nap ⁶	nap	nap	nap	nap
e. Fair open access	nap	+	+	nap	nap	nap	nap
f. Technical reliability	nap	+	+	nap	nap	nap	nap

Note: For an explanation of the footnotes refer to the end of the table.

Table 23 (cont)

	Netherlands	Singapore	Sweden	Switzerland	United Kingdom	United States	European Union
Name of system	nap	nap	nap	nap	nap	CHIPS	EURO1
1. Settlement in central banks' accounts	nap	nap	nap	nap	nap	+	+
2. Same day settlement	nap	nap	nap	nap	nap	+	+
3. Compliance with Lamfalussy standards	nap	nap	nap	nap	nap	+	+
a. Legal framework contractual (+) or advisory (-) netting if contractual: legally enforceable (+) or not (-)	nap	nap	nap	nap	nap	+	+
b. Participants' awareness	nap	nap	nap	nap	nap	+	+
c. Risk management monitoring of intraday balance multilateral limits collateral requirements intraday closures	nap	nap	nap	nap	nap	+	+
d. Timely settlement completion risk-sharing agreements full collateralisation of largest net debit position	nap	nap	nap	nap	nap	+	+
e. Fair open access	nap	nap	nap	nap	nap	+	+
f. Technical reliability	nap	nap	nap	nap	nap	+	+

Key: + = yes; - = no.

¹ The LVTS employs multilateral netting by novation. Once the payment instruction passes the risk controls and is accepted by the system, the bilateral obligations are extinguished and replaced by a multilateral obligation vis-à-vis the system as a whole. ² The LVTS employs bilateral and multilateral limits. ³ Final settlement occurs at the end of the LVTS processing period. However, the risk control mechanisms of the LVTS ensure that, once a payment has passed the risk control mechanisms and been accepted by the system, it is certain to settle and irrevocable. Therefore, the LVTS provides intraday receiver finality. ⁴ The LVTS is certain to settle even if the defaulter with the largest net debit position defaults. ⁵ PNS is a hybrid system; the legal and risk framework is comparable to that of the RTGS system. ⁶ PNS functions on the basis of positive balances, ie multilateral debit cap set to 200. ⁷ Continuous settlement mechanism. ⁸ Transformed into a hybrid system in March 1996; the risk situation is comparable to that of a gross settlement system. ⁹ There are no large value net settlement systems in Italy.

Table 24a
SWIFT traffic: intra-CPSS message flows in 2000
 Number of messages (thousands)

From/to	Belgium	Canada	France	Germany	Hong Kong SAR	Italy	Japan	Netherlands
Belgium	11,036	333	3,477	3,814	633	1,955	1,015	4,524
Canada	366	5,383	356	457	351	227	357	138
France	3,047	371	20,520	5,337	539	2,986	887	1,765
Germany	3,820	395	4,725	8,362	795	5,350	1,364	4,072
Hong Kong SAR	524	441	386	759	4,574	301	2,547	222
Italy	1,660	176	3,075	4,794	282	3,800	522	851
Japan	920	302	761	1,284	1,752	500	6,061	272
Netherlands	4,164	154	1,780	5,136	324	885	333	12,774
Singapore	283	138	267	580	1,334	128	1,970	161
Sweden	933	72	819	1,501	151	379	130	509
Switzerland	1,693	475	2,753	5,672	507	1,864	889	1,303
United Kingdom	5,121	1,841	7,704	13,007	3,275	6,212	8,236	6,076
United States	5,153	4,341	6,220	9,379	8,525	4,415	9,570	4,669
Total CPSS	38,720	14,422	52,842	60,084	23,053	29,004	33,880	37,336
Total non-CPSS	9,819	2,078	14,415	28,768	6,397	10,859	6,910	7,312
Total all countries	48,540	16,500	67,257	88,852	29,450	39,864	40,790	44,648

Source: SWIFT.

Table 24a (cont)

From/to	Singapore	Sweden	Switzerland	United Kingdom	United States	CPSS	Non-CPSS	All countries
Belgium	360	393	2,361	11,198	6,406	47,505	10,368	57,873
Canada	147	63	566	2,134	5,505	16,051	2,688	18,739
France	240	370	2,405	11,881	9,051	59,399	11,731	71,130
Germany	489	984	5,326	15,656	12,124	63,463	26,856	90,319
Hong Kong SAR	1,572	77	501	4,212	9,208	25,324	8,739	34,062
Italy	101	216	1,765	8,806	5,603	31,652	7,893	39,546
Japan	1,148	108	967	7,820	10,756	32,651	7,544	40,195
Netherlands	143	358	1,760	12,314	7,422	47,546	6,484	54,030
Singapore	2,774	77	351	2,340	5,021	15,433	4,272	19,705
Sweden	91	3,519	532	5,203	3,282	17,122	5,455	22,577
Switzerland	353	370	10,357	8,293	9,838	44,369	10,230	54,599
United Kingdom	1,652	3,304	6,115	51,680	33,580	147,807	30,878	178,685
United States	3,866	1,987	9,392	25,095	55,384	147,996	74,250	222,246
Total CPSS	12,936	11,831	42,398	166,632	173,181	696,319	207,386	903,705
Total non-CPSS	4,354	5,013	11,014	41,720	69,638	218,299	151,909	370,208
Total all countries	17,290	16,844	53,412	208,352	242,819	914,618	359,295	1,273,913

Source: SWIFT.

Table 24b
Geographical breakdown of SWIFT message flows
 In 2000

	Messages sent			Messages received		
	Total	To domestic users (% of total)	To other CPSS countries (% of total)	Total	From domestic users (% of total)	From other CPSS countries (% of total)
Belgium	57,872,520	19.1	63.0	48,539,836	22.7	57.0
Canada	18,739,114	28.7	56.9	16,500,243	32.6	54.8
France	71,129,963	28.8	54.7	67,257,022	30.5	48.1
Germany	90,318,753	9.3	61.0	88,852,102	9.4	58.2
Hong Kong SAR	34,062,327	13.4	60.9	29,449,821	15.5	62.7
Italy	39,545,548	9.6	70.4	39,863,897	9.5	63.2
Japan	40,194,993	15.1	66.2	40,789,871	14.9	68.2
Netherlands	54,030,456	23.6	64.4	44,647,913	28.6	55.0
Singapore	19,704,571	14.1	64.2	17,289,679	16.0	58.8
Sweden	22,576,913	15.6	60.2	16,844,471	20.9	49.3
Switzerland	54,598,717	19.0	62.3	53,412,342	19.4	60.0
United Kingdom	178,684,934	28.9	53.8	208,351,654	24.8	55.2
United States	222,245,874	24.9	41.7	242,819,074	22.8	48.5
Total CPSS	903,704,683	21.7	55.3	914,617,925	21.5	54.7
Total non-CPSS	370,208,071	21.1	37.9	359,294,829	21.7	36.0
Total all countries	1,273,912,754	21.5	50.3	1,273,912,754	21.5	49.4

Source: SWIFT.

Table 24c
SWIFT members, submembers and participants in CPSS countries
 In 2000

	Number of users of the SWIFT network			
	Members	Submembers	Participants	Total number of users
Belgium	23	42	19	84
Canada	14	35	13	62
France	68	99	88	255
Germany	118	108	47	273
Hong Kong SAR	26	158	30	214
Italy	150	60	42	252
Japan	128	104	36	268
Netherlands	25	40	25	90
Singapore	9	155	17	181
Sweden	7	11	13	31
Switzerland	102	79	65	246
United Kingdom	60	294	119	473
United States	99	320	219	638
Total CPSS	829	1,505	733	3,067
Total non-CPSS	1,478	1,532	1,216	4,226
Total all countries	2,307	3,037	1,949	7,293

Source: SWIFT.

Table 24d
Relative share of CPSS countries in SWIFT traffic, membership and shareholding
 In 2000

	Share of messages (%)		Share of total (%)		Share of equity holding	
	sent	received	members	users	quantity	percentage
Belgium	4.5	3.8	1.0	1.2	2,205	2.5
Canada	1.5	1.3	0.6	0.9	1,955	2.3
France	5.6	5.3	2.9	3.5	6,722	7.8
Germany	7.1	7.0	5.1	3.7	6,720	7.8
Hong Kong SAR	2.7	2.3	1.1	2.9	1,866	2.2
Italy	3.1	3.1	6.5	3.5	3,326	3.8
Japan	3.2	3.2	5.5	3.7	4,791	5.5
Netherlands	4.2	3.5	1.1	1.2	4,126	4.8
Singapore	1.5	1.4	0.4	2.5	573	0.7
Sweden	1.8	1.3	0.3	0.4	1,531	1.8
Switzerland	4.3	4.2	4.4	3.4	4,304	5.0
United Kingdom	14.0	16.4	2.6	6.5	5,573	6.4
United States	17.4	19.1	4.3	8.7	16,167	18.6
Total CPSS	70.9	71.8	35.9	42.1	59,859	69.0
Total non-CPSS	29.1	28.2	64.1	57.9	26,896	31.0
Total all countries	100.0	100.0	100.0	100.0	86,755	100.0

Source: SWIFT.

Statistical methodology for the country tables

General

<i>Exceptions</i>	Data in the tables conform to this methodology unless indicated otherwise in the table concerned. However, it should be noted that varying methods of collecting data can also complicate cross-country comparisons.
<i>Breaks in series</i>	Where these occur, they are indicated by a footnote.
<i>Sources of data</i>	These are indicated under the table concerned where it is felt appropriate.
<i>Definitions</i>	Definitions in the tables which are not given in this methodology are based on <i>A glossary of terms used in payments and settlement systems</i> , revised version, July 2001 (http://www.bis.org/publ/cpss00b.htm). An abbreviated version of that glossary, containing terms relevant to this methodology, is attached. Where necessary, footnotes to individual tables explain the country-specific definitions, eg of “banks”. (Note that in general the term “banks” should be broadly construed according to local regulations so as to include all relevant financial institutions, eg “credit institutions” in EU countries.)
<i>Intrabank items</i>	These are included as appropriate except where indicated.
<i>Foreign currency</i>	Foreign currencies are not included in the figures unless otherwise indicated.
<i>Total</i>	Totals are calculated on the basis of the items which are available.
<i>Time period</i>	Each table indicates the period (eg year) or point of time (eg end-year) that the data apply to. Where the data apply to a period, the data are the total for that period unless the table explicitly indicates otherwise (eg a daily average).
<i>Estimated data</i>	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 taken for granted that the data are estimated).
<i>Seasonal adjustment</i>	Figures are not seasonally adjusted unless otherwise indicated.
<i>“nav”, “nap”, “neg” and “0”</i>	Where data are not available, this is indicated by “nav”. Where data involve not applicable, this is indicated by “nap”. Where data involve very small amounts (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

<i>Population</i>	Figures are averages for the year or at a point in the year as indicated.
<i>GDP</i>	Figures are nominal (not real).
<i>GDP per capita</i>	This figure equals the <i>GDP</i> figure divided by the <i>population</i> figure.
<i>Exchange rate (domestic currency vis-à-vis USD) year-end average</i>	The exchange rate of the local currency against the US dollar is provided both as a year-end value and as an average for the year. In addition for Belgium, France, Germany, Italy and the Netherlands the euro/US dollar rate is also provided.

Table 2: Settlement media used by non-banks

<i>Banknotes and coin</i>	Banknotes and coin represent the value of cash in circulation in the economy. This excludes the value of banknotes and coin kept in vaults at central banks or at banks (see Table 4) but includes the value held by non-residents.
<i>Transferable deposits</i>	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 <i>transferable deposits in foreign currencies</i> .
<i>Others</i>	Filled in only if <i>narrow money supply (M1)</i> , includes items other than banknotes and coin and transferable deposits.
<i>Narrow money supply (M1)</i>	Cash in circulation and transferable deposits held by non-banks including non-residents. This line has not been filled in by countries which no longer calculate this aggregate.
<i>Memorandum items:</i>	
<i>Broad money supply</i>	Included in some cases. Footnotes to individual tables explain the definition of broad money supply used and how it differs from narrow money supply.
<i>Outstanding value on e-money schemes</i>	The difference between the value of cash loaded onto electronic purses (reloadable multipurpose prepaid cards which may be used for small retail or other payments instead of banknotes and coin) or onto electronic wallets (computer devices 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

<i>Transferable balances held at central bank</i>	Deposits held by banks at the central bank which can be used for payment purposes, regardless of the type of account (eg current account, reserve account, settlement account, clearing account).
<i>of which: required reserves</i>	Funds that banks are required to hold at the central bank. If 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.
<i>Transferable deposits at other banks</i>	Deposits held at other banks in the country (not at the central bank) which can be used for payment purposes.
<i>Others</i>	Included only if assets other than <i>balances held at central bank</i> and <i>transferable deposits at other banks</i> 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>	
<i>Institutions' borrowing from central bank</i>	Institutions' borrowing (in the forms defined in footnotes by the respective countries) from the central bank which can be used for payment purposes.

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

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

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

<i>Categories</i>	Categories of institutions are based on the individual countries' own financial systems. Particular categories are explained in a footnote where this is felt to be necessary.
<i>Columns 1 and 2</i>	Number of points of entry into the cashless payment system.
<i>Column 1: Number of institutions</i>	Any institution which executes cashless payments is mentioned even if it does not hold deposits for customers (eg because the money transferred is given in cash by the customer to the institution, or debited from a sight account held at another institution).
<i>Column 2: Number of branches</i>	All branches of an institution. As a rule, the head office of the institution is counted as a branch if it provides cashless payment services.
<i>Column 3: Number of accounts</i>	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.
<i>Column 4: Number of internet-linked accounts</i>	Number of accounts, relating to internet services (credit transfers, payment of bills, etc carried out via the internet).
<i>Column 5: Value of accounts</i>	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.
<i>Virtual institutions</i>	Institutions providing services only over the internet.
<i>Memorandum item: Branches of foreign banks</i>	Branches or agencies of foreign banks. Banks which are foreign-owned or are subsidiaries of foreign banks are not included here.

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 (eg 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 separately measured.

<i>Cards with a cash function</i>	Any card enabling the holder to withdraw cash from a cash dispenser.
<i>Number of networks</i>	A network of ATMs is defined as a group of ATMs managed by one or more service providers for a bank or a group of banks.
<i>ATMs with a cash-dispensing function</i>	Electromechanical devices allowing the authorised user to withdraw cash from his 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.
<i>Number of machines</i>	As a rule, each terminal is counted as one machine.
<i>Open access</i>	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.
<i>Limited access</i>	The ATM can only be accessed by a holder of a card issued by the bank which owns the ATM.
<i>ATMs with a giro transfer function</i>	ATMs which allow a cardholder to make credit transfers from his own account to other accounts held at the same institution or at different institutions.
<i>Card with a debit function</i>	Card which enables the holder to have his purchases directly charged to funds on his account at a deposit-taking institution (may sometimes be combined with another function, such as that of a cash card or cheque guarantee card).
<i>Retailer card</i>	A card issued by non-banking institutions for use at specified retail outlets.
<i>EFTPOS</i>	A terminal at a retail location which is designed to capture, and in some cases also transmit, debit card transactions by electronic means.
<i>Number of networks</i>	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.
<i>Number of machines</i>	As a rule, each EFTPOS terminal is counted as one machine.
<i>Card with a credit function</i>	Card indicating that the holder has been granted a line of credit. It enables the holder to make purchases and/or draw cash up to a prearranged 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.
<i>Retailer credit card</i>	A card issued by non-banking institutions for use at specified retail outlets. The holder of the card is granted a line of credit.
<i>Card with an e-money function</i>	A reloadable multipurpose 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.
<i>Accepting terminals</i>	Refers to the number of terminals (devices) at point of sale for receiving e-money. Mobile phones should not be included in this figure.
<i>Float</i>	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, ie 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.

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 the central bank 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) 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

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. The data may include both interbank and customer payments for credit transfers and potentially for cheques. The same is explained by way of a footnote for the total of credit transfers and potentially for the total of cheques.

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 acquire cash should not be counted (eg 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 (eg 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 (ie 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), interbranch items (bank A branch to another bank A branch), or intrabranch 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).

Each payment instrument is distinguished on the basis on which the customer submits the payment instrument to the bank. Accordingly, each payment instrument is distinguished as follows:

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

Cheques issued Traveller's cheques, eurocheques and banker's 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 delayed debit cards (charge cards). Delayed debit cards are included under debit or credit cards, the way of inclusion is explained in a footnote.

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. Money orders are included under credit transfers.

Direct debits Preauthorised 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 deposit (CDs), futures and options) as sub-items. Please indicate "nav" where data are not available for some of the 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.

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, mortgage institutions).

Each transaction is counted once (not twice for sale and purchase). It is the transaction itself that is 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) 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.

Number of stocks listed This covers the number of companies whose shares are traded on that particular trading platform. If a particular company has different kinds of shares listed on the same platform, these should count only 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 the 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 (ie messages relating to payments that are category I messages, eg MT100 messages).

Category II (Table 13) Messages used by banks to transfer funds to an account of another bank (ie messages relating to payments that are category II messages, eg MT200 messages).

Domestic traffic (Table 13) Messages sent to/received from domestic users.

Glossary¹

automated clearing house (ACH)	an electronic clearing system in which payment orders are exchanged among financial institutions, primarily via magnetic media or telecommunication networks, and handled by a data processing centre.
automated teller machine (ATM)	electromechanical device that permits authorised users, typically using machine-readable plastic cards, to withdraw cash from their accounts and/or access other services, such as balance enquiries, transfer of funds or acceptance of deposits. ATMs may be operated either online with real-time access to an authorisation database or offline.
bank draft	in Europe, the term generally refers to a draft drawn by a bank on itself. The draft is purchased by the payer and sent to the payee, who presents it to his bank for payment. That bank presents it to the payer's bank for reimbursement. In the United States, the term generally refers to a draft or cheque drawn by a bank on itself or on funds deposited with another bank. In the case of a cashier's cheque, the bank is both the drawer and drawee. In the case of a teller's cheque, one bank is the drawer and a second bank is the drawee. Bank drafts may be written by a bank for its own purposes or may be purchased by a customer and sent to a payee to discharge an obligation. See also <i>draft</i> .
bill of exchange	a written order from one party (the drawer) to another (the drawee) to pay a specified sum on demand or on a specified date to the drawer or to a third party specified by the drawer. Widely used to finance trade and, when discounted with a financial institution, to obtain credit. See also <i>draft</i> .
card	see <i>cash card, cheque guarantee card, chip card, credit card, debit card, delayed debit card, prepaid card, retailer card, travel and entertainment card</i> .
cash card	card for use only in ATMs or cash dispensers (often, other cards also have a cash function that permits the holder to withdraw cash).
cash dispenser	electromechanical device that permits consumers, typically using machine-readable plastic cards, to withdraw banknotes (currency) and, in some cases, coins. See also <i>automated teller machine (ATM)</i> .
cashier's cheque	see <i>bank draft</i> .
charge card	see <i>delayed debit card</i> and <i>travel and entertainment card</i> .
cheque	a written order from one party (the drawer) to another (the drawee, normally a bank) requiring the drawee to pay a specified sum on demand to the drawer or to a third party specified by the drawer. Widely used for settling debts and withdrawing money from banks. See also <i>bill of exchange</i> .
cheque guarantee card	a card issued as part of a cheque guarantee system. This function may be combined with other functions on the same card, eg those of a cash card or debit card. See also <i>cheque guarantee system</i> .

¹ For other terms, please refer to *A glossary of terms used in payments and settlement systems*, revised version, January 2001, (<http://www.bis.org/publ/cpss00b.htm>).

cheque guarantee system	a system to guarantee cheques, typically up to a specified amount, that have been validated by the merchant either on the basis of a card issued to the cheque writer or through a central database accessible to merchants. Validated cheques are guaranteed by the issuer of the guarantee card, the drawee bank or the system operator.
chip card	also known as an IC (integrated circuit) card. A card containing one or more computer chips or integrated circuits for identification, data storage or special-purpose processing used to validate personal identification numbers (PINs), authorise purchases, verify account balances and store personal records. In some cases, the memory in the card is updated every time the card is used (eg an account balance is updated).
credit card	card indicating that the holder has been granted a line of credit. It enables him to make purchases and/or withdraw cash up to a prearranged ceiling; the credit granted can be settled in full by the end of a specified period or can be settled in part, with the balance taken as extended credit. Interest is charged on the amount of any extended credit and the holder is sometimes charged an annual fee.
credit card company	a company which owns the trademark of a particular credit card, and may also provide a number of marketing, processing or other services to the members using the card services.
credit transfer	a payment order or possibly a sequence of payment orders made for the purpose of placing funds at the disposal of the beneficiary. Both the payment instructions and the funds described therein move from the bank of the payer/originator to the bank of the beneficiary, possibly via several other banks as intermediaries and/or more than one credit transfer system.
credit transfer system	a funds transfer system through which payment orders move from (the bank of) the originator of the transfer message or payer to (the bank of) the receiver of the message or beneficiary.
debit card	card enabling the holder to have his purchases directly charged to funds on his account at a deposit-taking institution (may sometimes be combined with another function, eg that of a cash card or cheque guarantee card).
debit transfer system	a funds transfer system in which debit collection orders made or authorised by the payer move from (the bank of) the payee to (the bank of) the payer and result in a charge (debit) to the account of the payer; for example, cheque-based systems are typical debit transfer systems. Also called debit collection system.
delayed debit card	card issued by banks indicating that the holder may charge his account up to an authorised limit. It enables him to make purchases but does not offer extended credit, the full amount of the debt incurred having to be settled at the end of a specified period. The holder is usually charged an annual fee.
direct debit	a preauthorised debit on the payer's bank account initiated by the payee.
draft	a written order from one party (the drawer) to another (the drawee) to pay a party identified on the order (payee) or to the bearer a specified sum, either on demand (sight draft) or on a specified date (time draft). See also <i>cheque</i> , <i>bank draft</i> , <i>bill of exchange</i> .
EFTPOS	see <i>point of sale (POS)</i> .
giro system	see <i>credit transfer system</i> .
interbank funds transfer system (IFTS)	a funds transfer system in which most (or all) direct participants are financial institutions, particularly banks and other credit institutions.

money order	an instrument used to remit money to the named payee, often used by persons who do not have a chequing account relationship with a financial institution, to pay bills or to transfer money to another person or to a company. There are three parties to a money order: the remitter (payer), the payee and the drawee. Drawees are usually financial institutions or post offices. Payees can either cash their money orders or present them to their bank for collection.
offline	in the context of payment and settlement systems, the term may refer to the transmission of transfer instructions by users, through such means as voice, written or faxed instructions, that must subsequently be input into a transfer processing system. The term may also refer to the storage of data by the transfer processing system on media such as magnetic tape or disk such that the user may not have direct and immediate access to the data. See also <i>online</i> .
online	in the context of payment and settlement systems, the term may refer to the transmission of transfer instructions by users, through such electronic means as computer-to-computer interfaces or electronic terminals, that are entered into a transfer processing system by automated means. The term may also refer to the storage of data by the transfer processing system on a computer database such that the user has direct access to the data (frequently real-time) through input/output devices such as terminals. See also <i>offline</i> .
paperless credit transfers	credit transfers that do not involve the exchange of paper documents between banks. Other credit transfers are called paper-based.
payment	the payer's transfer of a monetary claim on a party acceptable to the payee. Typically, claims take the form of banknotes or deposit balances held at a financial institution or at a central bank.
payment order (or payment instruction)	an order or message requesting the transfer of funds (in the form of a monetary claim on a party) to the order of the payee. The order may relate either to a credit transfer or to a debit transfer.
payment system	a payment system consists of a set of instruments, banking procedures and, typically, interbank funds transfer systems that ensure the circulation of money.
point of sale (POS)	this term refers to the use of payment cards at a retail location (point of sale). The payment information is captured either by paper vouchers or by electronic terminals, which, in some cases, are designed also to transmit the information. Where this is so, the arrangement may be referred to as "electronic funds transfer at the point of sale" (EFTPOS).
prepaid card	a card "loaded" with a given value, paid for in advance.
retailer card	a card issued by non-banking institutions, to be used in specified stores. The holder of the card has usually been granted a line of credit.
retail funds transfer system	interbank funds transfer system which handles a large volume of payments of relatively low value in such forms as cheques, credit transfers, direct debits, ATM transactions and EFT at the point of sale.
settlement	an act that discharges obligations in respect of funds or securities transfers between two or more parties.
settlement system	a system used to facilitate the settlement of transfers of funds or financial instruments.

S.W.I.F.T. (Society for Worldwide Interbank Financial Telecommunication)	a cooperative organisation created and owned by banks that operates a network which facilitates the exchange of payment and other financial messages between financial institutions (including broker-dealers and securities companies) throughout the world. A S.W.I.F.T. payment message is an instruction to transfer funds; the exchange of funds (settlement) subsequently takes place over a payment system or through correspondent banking relationships.
teller's cheque	see <i>bank draft</i> .
transfer	operationally, the sending (or movement) of funds or securities or of a right relating to funds or securities from one party to another party by (1) conveyance of physical instruments/money; (2) accounting entries on the books of a financial intermediary; or (3) accounting entries processed through a funds and/or securities transfer system. The act of transfer affects the legal rights of the transferor, transferee and possibly third parties in relation to the money balance, security or other financial instrument being transferred.
transfer system	a generic term covering interbank funds transfer systems and exchange-for-value systems.
travel and entertainment card	card issued by non-banks indicating that the holder has been granted a line of credit. It enables him to make purchases but does not offer extended credit, the full amount of the debt incurred having to be settled at the end of a specified period. The holder is usually charged an annual fee. Also called <i>charge card</i> .

Central bank officials involved in the preparation of this edition of the statistical update

National Bank of Belgium	Mr Koen Geenen
Bank of Canada	Ms Carol Ann Northcott
Bank of France	Mrs Christine Bardinet Mrs Chantal Guede
Deutsche Bundesbank	Mr Klaus Edelmann Ms Sylvia Tyroler Mr Christian Stark
Hong Kong Monetary Authority	Mr Esmond K Y Lee Mr Henry C W Yung Mr Stephen C M Pang Ms Amy S Y Chan
Bank of Italy	Mr Paolo Emilio Felleppa Ms Daniela Laudonia Mr Luca Rissola
Bank of Japan	Ms Megumi Takei Mr Kenji Hayashi
Netherlands Bank	Ms Elisabeth Ledrut Mr Rob Valcq
Monetary Authority of Singapore	Mr Enoch Ch'ng Mr Peng Hwee Terry Goh Mr Chiow Sek Goh Mr Kok Tiong Seah Ms Louise Malady Mr Boh Soon Javis Chua
Sveriges Riksbank	Mr Björn Segendorff Mr Anders Bjällskog
Swiss National Bank	Mr Stephane Fumeaux
Bank of England	Mr Paul Bedford Mr Roy Clive
Board of Governors of the Federal Reserve System	Ms Elizabeth Klee Mr Amin Rokni
European Central Bank	Ms Maria Foskolou Ms Elke Wunstorf
Bank for International Settlements	Mr Gynedi Srivinas Mr Stephan Arthur

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