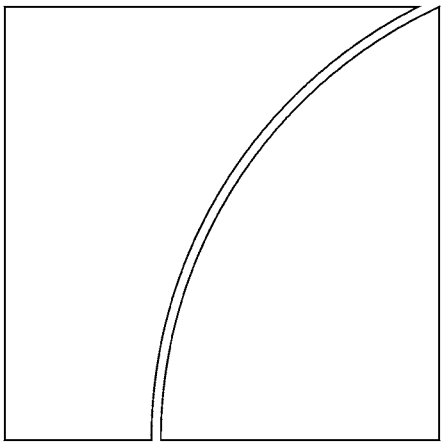
Committee on Payments and Market Infrastructures



Statistics on payment, clearing and settlement systems in the CPMI countries

Figures for 2015

December 2016

BANK FOR INTERNATIONAL SETTLEMENTS

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Note

It is important that the country tables are read in conjunction with the corresponding statistical methodology. Where the data provided are an exception to the methodology, this is indicated by in the table concerned. A second statistical methodology explains which data have been taken from the country tables for the comparative tables.

Notation used in this publication:

nap	not applicable
nav	not available
0	exactly zero (not rounded to zero; country tables only)

Differences in totals are due to rounding.

Country tables

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)	22,390.3	22,778.5	23,161.5	23,505.0	23,832.5
GDP (AUD billions)	1,457.4	1,505.5	1,555.6	1,599.8	1,628.0
GDP per capita (AUD)	65,092	66,093	67,161	68,060	68,309
Consumer price inflation (%)	3.0	2.2	2.7	1.7	1.7
Exchange rate (AUD/USD):					
end of year	*0.9846*	*0.9630*	*1.1176*	*1.2192*	*1.3687*
average	*0.9609*	*0.9622*	*1.0416*	*1.1123*	*1.3396*

Table 2

Settlement media used by non-banks

(AUD billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks	50.81	53.77	57.67	62.01	67.43
Value of transferable deposits	212.36	197.39	215.21	227.96	254.12
Narrow money supply (M1)	263.17	251.15	272.88	289.97	321.55
Memo:					
Transferable deposits in foreign currencies	nav	nav	nav	nav	nav
Outstanding value on e-money storage	nap	nap	nap	nap	nap

Table 3

Settlement media used by banks

(AUD billions, average for December)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	2.85	2.30	23.81	23.37	25.38
required reserves	*nap*	*nap*	*nap*	*nap*	*nap*
free reserves	*2.85*	*2.30*	*23.81*	*23.37*	*25.38*
Transferable balances held at other banks	nap	nap	nap	nap	nap
Memo:					
Credit extended by the central bank:					
intraday	*15.77*	*16.09*	*4.45*	*4.88*	*4.49*
overnight	*0*	*0*	*0*	*0*	*0*
longer refinancing operations (repos)	*0*	*0*	*0*	*0*	*0*

Table 4

Banknotes and coin

(AUD millions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	59,087.2	62,379.4	66,544.8	70,488.3	75,659.0
Total banknotes issued	55,816.5	58,981.7	63,018.1	66,854.3	71,923.9
AUD 100	*22,901.5*	*24,583.1*	*26,836.5*	*29,203.6*	*32,447.2*
AUD 50	*27,786.5*	*29,000.3*	*30,675.5*	*32,163.0*	*33,921.9*
AUD 20	*3,271.0*	*3,464.0*	*3,514.7*	*3,430.9*	*3,439.4*
AUD 10	*1,099.7*	*1,133.0*	*1,163.9*	*1,202.9*	*1,236.0*
AUD 5	*757.9*	*801.3*	*827.6*	*853.9*	*879.4*
Total coin issued	3,270.6	3,397.7	3,526.7	3,634.0	3,735.1
AUD 2	*1,372.3*	*1,439.1*	*1,514.1*	*1,576.3*	*1,644.1*
AUD 1	*740.3*	*766.9*	*790.4*	*811.0*	*837.8*
AUD 0.50	*419.9*	*430.7*	*441.6*	*449.2*	*449.2*
AUD 0.20	*320.0*	*331.6*	*341.5*	*351.1*	*351.1*
AUD 0.10	*212.9*	*219.4*	*225.3*	*229.4*	*233.7*
AUD 0.05	*205.3*	*210.0*	*213.8*	*217.1*	*219.3*
Banknotes and coin held by banks	8,276.2	8,610.4	8,873.8	8,483.3	8,227.0
Banknotes and coin in circulation outside banks	50,811.0	53,769.0	57,671.0	62,005.0	67,432.0

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices	2	2	2	2	2
Number of accounts	nav	nav	nav	nav	nav
Value of accounts (AUD billions)	21.35	23.09	32.43	32.40	27.94
Memo:					
Number of accounts, all	nav	nav	nav	nav	nav
Banks					
Number of institutions	56	66	68	69	73
Number of branches or offices	5,440	5,504	5,478	5,496	5,480
Number of accounts	nav	nav	nav	nav	nav
Value of accounts (AUD billions)	1,589.78	1,765.71	1,948.04	2,156.70	2,297.13
Other institutions offering payment services to non-banks					
Number of institutions	113	101	97	92	81
Number of branches or offices	1,159	998	935	863	738
Number of accounts (thousands)	nav	nav	nav	nav	nav
Value of accounts (AUD billions)	62.44	58.88	54.92	55.10	49.92
Building societies					
Number of institutions	10	9	9	9	7
Number of branches or offices	305	258	259	259	198
Value of accounts (AUD billions)	17.46	18.88	19.46	19.63	14.01
Credit unions					
Number of institutions	103	92	88	83	74
Number of branches or offices	854	740	676	604	540
Value of accounts (AUD billions)	44.98	40.00	35.46	35.48	35.92
Institutions offering payment services to non-banks (total)					
Number of institutions	170	168	166	162	155
Number of branches or offices	6,601	6,504	6,415	6,361	6,220
Number of accounts held by non-banks	nav	nav	nav	nav	nav
Value of accounts held by non-banks (AUD billions)	1,673.57	1,847.68	2,035.39	2,244.20	2,374.99
Memo:					
Electronic money institutions					
Number of institutions	nap	nap	nap	nap	nap
Outstanding value on e-money storages issued by e-money institutions (AUD billions)	nap	nap	nap	nap	nap

Table 6

Payment card functions and accepting devices

(end of year)

	2011	2012	2013	2014	2015
Cards issued in the country (thousands)					
Cards with a cash function	59,025	61,011	63,052	64,699	66,602
Cards with a debit function	37,245	38,986	40,104	41,264	42,714
Cards with a credit function[1]	21,780	22,025	22,949	23,435	23,888
Cards with an e-money function	nap	nap	nap	nap	nap
Total number of cards (irrespective of the number of functions on the card)	59,025	61,011	63,052	64,699	66,602
of which: cards with a combined debit, cash and e-money function	*nap*	*nap*	*nap*	*nap*	*nap*
Memo:					
Retailer cards	nav	nav	nav	nav	nav
Terminals located in the country					
ATMs	30,841	30,333	30,222	31,464	31,661
ATMs with a cash withdrawal function	*30,841*	*30,333*	*30,222*	*31,464*	*31,661*
ATMs with a credit transfer function	*nav*	*nav*	*nav*	*nav*	*nav*
POS terminals	751,097	755,524	804,486	843,605	956,167
EFTPOS terminals	*751,097*	*755,524*	*804,486*	*843,605*	*956,167*
E-money card terminals	nap	nap	nap	nap	nap

[1] Includes cards with a delayed debit function.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1]	1,588.1	1,640.8	1,746.0	1,784.6	1,922.1
paper-based	*nap*	*nap*	*nap*	*nap*	*nap*
non-paper-based	*1,588.1*	*1,640.8*	*1,746.0*	*1,784.6*	*1,922.1*
Direct debits	705.9	737.3	807.5	883.1	976.6
Card payments with cards issued in the country	4,269.2	4,773.7	5,301.2	5,862.9	6,522.5
payments by cards with a debit function	*2,606.7*	*2,998.1*	*3,384.5*	*3,790.6*	*4,260.5*
payments by cards with a credit function[1, 2]	*1,662.5*	*1,775.6*	*1,916.8*	*2,072.3*	*2,262.0*
E-money payment transactions	nap	nap	nap	nap	nap
Cheques	256.4	224.4	194.4	166.6	139.5
Other payment instruments[3]	309.7	330.3	346.5	363.2	375.6
Total number of transactions with payment instruments	7,129.3	7,706.5	8,395.7	9,060.4	9,936.3
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions[4]	1,127.5	1,117.5	1,072.9	1,018.6	965.5
ATM cash withdrawals	*843.8*	*826.4*	*790.1*	*743.7*	*693.2*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	3,628.5	4,045.9	4,406.6	4,953.7	5,591.0
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap

[1] Excludes BPAY. [2] Includes payments by cards with a delayed debit function. [3] BPAY. [4] Includes cash-outs at point-of-sale terminals.

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions
(AUD billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1]	6,826.5	7,128.3	7,747.1	7,908.9	8,255.7
paper-based	*nap*	*nap*	*nap*	*nap*	*nap*
non-paper-based	*6,826.5*	*7,128.3*	*7,747.1*	*7,908.9*	*8,255.7*
Direct debits	5,753.5	5,856.8	5,897.6	5,628.2	5,792.7
Card payments with cards issued in the country	393.0	422.5	451.3	485.8	520.1
payments by cards with a debit function	*153.5*	*171.7*	*188.8*	*208.0*	*228.1*
payments by cards with a credit function[1, 2]	*239.5*	*250.8*	*262.5*	*277.8*	*292.0*
E-money payment transactions	nap	nap	nap	nap	nap
Cheques	1,279.8	1,206.9	1,220.3	1,228.5	1,228.4
Other payment instruments[3]	225.3	254.3	277.8	310.1	339.3
Total value of transactions with payment instruments	14,478.0	14,868.8	15,594.1	15,561.5	16,136.2
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions[4]	179.1	178.0	173.8	169.8	166.5
ATM cash withdrawals	*153.7*	*152.2*	*148.2*	*144.2*	*140.6*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	320.1	341.9	354.4	382.7	408.6
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap

[1] Excludes BPAY. [2] Includes payments by cards with a delayed debit function. [3] BPAY. [4] Includes cash-outs at point-of-sale terminals.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
RITS					
Number of participants[1]	82	82	85	88	87
Direct participants	60	60	61	59	60
Banks	50	50	51	48	49
Central bank	1	1	1	1	1
Other direct participants	9	9	9	10	10
General government	*nap*	*nap*	*nap*	*nap*	*nap*
Postal institution	*nap*	*nap*	*nap*	*nap*	*nap*
Clearing and settlement organisations	*3*	*3*	*3*	*4*	*4*
Other financial institutions	*6*	*6*	*6*	*6*	*6*
Other	*0*	*0*	*0*	*0*	*0*
Indirect participants	22	22	24	29	27

[1] RITS also has a number of non-participant members.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions

(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value and retail payment systems					
RITS					
Total transactions sent	8.97	9.42	10.24	10.63	11.17
Concentration ratio in terms of volume (%)	70.8	72.2	70.7	70.2	69.5

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(AUD billions, total for the year)

	2011	2012	2013	2014	2015
Large-value and retail payment systems					
RITS					
Total transactions sent	43,081.8	38,833.7	39,518.9	40,726.2	41,252.1
Concentration ratio in terms of value (%)	61.8	62.2	60.4	61.6	60.5

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	11	12	12	12	12
of which: live	*11*	*12*	*12*	*12*	*12*
Sub-members	70	67	66	66	68
of which: live	*64*	*64*	*62*	*62*	*65*
Participants	35	36	41	41	47
of which: live	*32*	*34*	*34*	*34*	*40*
Total users	116	115	119	119	127
of which: live	*107*	*110*	*108*	*108*	*117*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	88,152	93,387	105,159	119,368	131,346
of which:					
category I	*17,491*	*18,118*	*20,190*	*20,651*	*23,385*
category II	*6,541*	*6,730*	*7,339*	*7,838*	*7,765*
Total messages received	78,580	80,620	87,620	94,685	107,267
of which:					
category I	*16,183*	*16,847*	*18,956*	*19,760*	*22,914*
category II	*9,154*	*9,912*	*10,673*	*10,897*	*10,782*
Domestic traffic	20,849	23,896	29,251	32,368	37,274
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
ASX					
Total number of participants	82	81	72	72	71
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*0*	*0*	*0*	*0*	*0*
other	*82*	*81*	*72*	*72*	*71*
Number of domestic participants	nav	nav	nav	nav	nav
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*0*	*0*	*0*	*0*	*0*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign participants	nav	nav	nav	nav	nav
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*0*	*0*	*0*	*0*	*0*
other	*nav*	*nav*	*nav*	*nav*	*nav*
ASX 24					
Total number of participants	nav	nav	nav	nav	nav

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
ASX					
Total number of listed securities	2,222	2,188	2,195	2,208	2,238
equity	2,222	2,188	2,195	2,208	2,238
ASX 24					
Total number of listed securities	nap	nap	nap	nap	nap

Table 16

Market capitalisation of listed companies

(AUD billions, end of year)

	2011	2012	2013	2014	2015
ASX					
Total market capitalisation/equity	1,168.7	1,335.8	1,526.9	1,574.8	1,628.5
ASX 24					
Total market capitalisation/equity	nap	nap	nap	nap	nap

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
ASX					
Total number of executed securities trades	161,165.4	155,064.3	192,089.9	181,237.9	207,753.5
equity	161,165.4	155,064.3	192,089.9	181,237.9	207,753.5
Total number of executed derivatives trades[1]	123,129.1	158,234.5	139,827.8	125,734.9	106,556.1
financial futures	*nav*	*nav*	*nav*	*nav*	*nav*
financial options	*nav*	*nav*	*nav*	*nav*	*nav*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
ASX 24					
Total number of executed securities trades	nap	nap	nap	nap	nap
Total number of executed derivatives trades	104,486.4	103,780.9	123,049.3	119,508.5	129,437.0
financial futures	*100,459.8*	*99,711.0*	*118,220.5*	*115,594.0*	*127,093.6*
financial options	*3,674.0*	*3,467.3*	*4,431.1*	*3,513.2*	*1,991.0*
commodity futures	*336.1*	*570.6*	*380.6*	*372.8*	*321.6*
commodity options	*16.5*	*32.0*	*17.1*	*28.4*	*30.8*

[1] In May 2011, the standard single-stock equity option contract size was changed from 1,000 to 100 shares.

Table 18

Value of executed trades

(AUD billions, total for the year)

	2011	2012	2013	2014	2015
ASX					
Total value of executed securities trades	1,307.7	1,027.5	1,071.9	1,023.6	1,191.2
equity	1,307.7	1,027.5	1,071.9	1,023.6	1,191.2
Total value of executed derivatives trades	nav	nav	nav	nav	nav
ASX 24					
Total value of executed securities trades	nap	nap	nap	nap	nap
Total value of executed derivatives trades	nav	nav	nav	nav	50,320

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
ASX Clear[1]					
Total number of clearing members	42	39	34	33	37
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*0*	*0*	*0*	*0*	*0*
other	*42*	*39*	*34*	*33*	*37*
Number of domestic clearing members	nav	nav	nav	nav	nav
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*0*	*0*	*0*	*0*	*0*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign clearing members	nav	nav	nav	nav	nav
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*0*	*0*	*0*	*0*	*0*
other	*nav*	*nav*	*nav*	*nav*	*nav*
ASX Clear (Futures)					
Total number of clearing members	17	17	19	19	20
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*nav*	*nav*	*nav*	*nav*	*11*
other	*17*	*17*	*19*	*19*	*9*
Number of domestic clearing members	nav	nav	nav	nav	nav
Number of foreign clearing members	nav	nav	nav	nav	nav

[1] Until 2014, the total number included only active clearing members that clear for themselves and excluded inactive clearing members or clearing members that only clear for others.

Table 20

Number of contracts and transactions cleared

	2011	2012	2013	2014	2015
ASX Clear					
Total number of contracts and transactions cleared	nav	nav	nav	nav	nav
ASX Clear (Futures)					
Total number of contracts and transactions cleared	nav	nav	nav	nav	nav

Table 21

Value of contracts and transactions cleared

	2011	2012	2013	2014	2015
ASX Clear					
Total value of contracts and transactions cleared	nav	nav	nav	nav	nav
ASX Clear (Futures)					
Total value of contracts and transactions cleared	nav	nav	nav	nav	nav

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
ASX Settlement					
Total number of participants	91	83	77	82	79
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*1*	*1*	*1*	*1*	*1*
other	*90*	*82*	*76*	*81*	*78*
Number of domestic participants	nav	nav	nav	nav	nav
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*1*	*1*	*1*	*1*	*1*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign participants	nav	nav	nav	nav	nav
Austraclear					
Total number of participants	743	775	829	845	849
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
central securities depositories	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
ASX Settlement					
Total number of securities held[1]	2.222	2.188	2.195	2.208	2.238
equity	2.222	2.188	2.195	2.208	2.238
Austraclear					
Total number of securities held	nav	nav	nav	nav	nav

[1] Estimated from number of listed securities.

Table 24

Value of securities held on accounts at CSDs

(AUD billions, end of year)

	2011	2012	2013	2014	2015
ASX Settlement					
Total value of securities held	1,089.3	1,285.6	1,467.2	1,509.0	1,564.8
equity	1,089.3	1,285.6	1,467.2	1,509.0	1,564.8
Austraclear					
Total value of securities held	1,289.2	1,375.8	1,468.9	1,692.8	1,849.0
debt securities	1,289.2	1,375.8	1,468.9	1,692.8	1,849.0
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*

Table 25

Number of delivery instructions processed

(thousands, total for the year)

	2011	2012	2013	2014	2015
ASX Settlement					
Total number of delivery instructions	nav	nav	nav	nav	nav
DVP	10,401.67	9,234.26	9,414.40	9,918.34	9,826.36
equity	10,401.67	9,234.26	9,414.40	9,918.34	9,826.36
free of payment	nav	nav	nav	nav	nav
Austraclear					
Total number of delivery instructions	329.11	338.89	347.58	339.80	330.76
DVP	328.72	338.53	347.17	339.18	330.15
debt securities	328.72	338.53	347.17	339.18	330.15
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
free of payment	0.39	0.36	0.41	0.63	0.61
debt securities	0.39	0.36	0.41	0.63	0.61
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*

Table 26

Value of delivery instructions processed

(AUD billions, total for the year)

	2011	2012	2013	2014	2015
ASX Settlement					
Total value of delivery instructions	nav	nav	nav	nav	nav
DVP	2,005.1	1,793.7	2,093.0	2,060.9	2,265.2
equity	2,005.1	1,793.7	2,093.0	2,060.9	2,265.2
free of payment	nav	nav	nav	nav	nav
Austraclear					
Total value of delivery instructions	nav	nav	nav	nav	nav
DVP	10,385.7	9,581.0	10,079.9	10,012.1	10,605.9
debt securities	10,385.7	9,581.0	10,079.9	10,012.1	10,605.9
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
free of payment	nav	nav	nav	nav	nav

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	10,978	11,054	11,105	11,157	11,268
GDP (EUR billions)	379.11	387.50	391.71	400.81	410.35
GDP per capita (EUR)	34,533	35,055	35,273	35,924	36,417
Consumer price inflation (in %)[1]	3.4	2.6	1.2	0.5	0.6
Exchange rate (EUR/USD):					
end of year	*0.7729*	*0.7579*	*0.7251*	*0.8237*	*0.9185*
average	*0.7192*	*0.7788*	*0.7532*	*0.7539*	*0.9019*

[1] Yearly average.

Table 2

Settlement media used by non-banks

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks[1]	nap	nap	nap	nap	nap
Value of transferable deposits[2]	142.76	154.81	165.80	186.25	201.70
Narrow money supply (M1)[1]	nap	nap	nap	nap	nap
Memo:					
Transferable deposits in foreign currencies	28.32	31.32	37.38	43.84	45.01
Outstanding value on e-money storage	0.067	0.068	0.060	0.031	0.028
on card-based products	*0.067*	*0.068*	*0.060*	*0.031*	*0.028*
on software- or network-based products	*nap*	*nap*	*nap*	*nap*	*nap*

[1] These figures are provided solely at an aggregated euro area level (see Euro area, Table 2). [2] Value of overnight deposits held at Monetary Financial Institutions (MFIs) by non-MFIs (including "Central government" and "Rest of the world"). Due to a broader definition of counterparts, this indicator is not synonymous with the same term used in the ECB concept of narrow money supply M1.

Table 3

Settlement media used by banks

(EUR billions, average of last reserve maintenance period)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	10.100	8.804	8.079	6.955	12.798
required reserves	*10.045*	*5.336*	*5.505*	*5.722*	*6.314*
free reserves	*0.054*	*3.468*	*2.574*	*1.233*	*6.484*
Transferable balances held at other banks[1]	60.399	68.332	60.782	40.513	38.590
Memo:					
Credit extended by the central bank:					
intraday	*8.05*	*1.80*	*4.17*	*1.49*	*0.85*
overnight	*0*	*0*	*0*	*0*	*0*
longer-term refinancing operations[2]	*31.98*	*40.01*	*14.95*	*9.98*	*7.65*

[1] Value of overnight deposit accounts held by Belgian credit institutions at other credit institutions (EUR and foreign currencies, in Belgium and abroad). [2] Non-intraday borrowing, inclusive of marginal lending facilities.

Table 4

Banknotes and coin[1]

[1] These figures are provided solely at an aggregated euro area level (see Euro area, Table 4).

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices[1]	6	6	5	5	5
Number of accounts (thousands)[2]	0.250	0.238	0.213	0.200	0.197
Value of accounts (EUR billions)[2]	0.668	0.685	0.490	0.444	1.280
Memo:					
Number of accounts, banks (thousands)[2]	0.325	0.295	0.291	0.265	0.260
Banks					
Number of institutions	108	103	103	103	99
Number of branches or offices[3]	3,881	3,820	3,738	7,082	6,639
Number of accounts (thousands)[2]	16,600.6	16,551.0	16,791.0	25,959.0	29,519.6
of which: number of internet/PC-linked accounts (thousands)	*10,769.3*	*10,608.6*	*11,128.9*	*17,142.9*	*19,211.7*
Value of accounts (EUR billions)[2]	142.09	154.13	165.31	185.80	200.42
Credit institutions legally incorporated in the reporting country					
Number of institutions[4]	47	44	39	43	37
Number of branches or offices[3, 4]	3,806	3,738	3,647	7,017	6,570
Value of accounts (EUR billions)[2, 5]	112.81	121.66	129.13	147.92	160.20
Branches of euro area-based credit institutions					
Number of institutions[4]	44	41	47	42	44
Number of branches or offices[3, 4]	66	73	83	59	63
Value of accounts (EUR billions)[2, 5]	9.36	8.57	10.21	10.87	13.33
Branches of EEA-based credit institutions (outside the euro area)					
Number of institutions[4]	8	9	8	8	8
Number of branches or offices[3, 4]	1	1	1	2	2
Value of accounts (EUR billions)[2, 5]	0.88	1.42	0.55	0.56	0.48
Branches of foreign banks					
Number of institutions[4]	9	9	9	10	10
Number of branches or offices[3, 4]	8	8	7	4	4
Value of accounts (EUR billions)[2, 5]	19.04	22.47	25.42	26.45	26.41
Other institutions offering payment services to non-banks: postal institution					
Number of institutions	1	1	1	1	1
Number of branches or offices[6]	1,373	1,340	1,343	1,344	1,341
Number of accounts (thousands)[2, 7]	0.669	0.653	0.655	0.490	0.272
Value of accounts (EUR billions)[2]	1.048	1.277	1.455	2.930	4.441
Institutions offering payment services to non-banks (total)					
Number of institutions	110	105	105	105	101
Number of branches or offices	5,260	5,166	5,086	8,431	7,985
Number of accounts held by non-banks (thousands)[2]	16,601.5	16,551.9	16,791.9	25,959.7	29,519.6
of which: number of internet/PC-linked accounts (thousands)	*10,769.3*	*10,608.6*	*11,128.9*	*17,142.9*	*19,211.7*
Value of accounts held by non-banks (EUR billions)[2]	143.81	156.09	167.25	189.18	206.14

Table 5 (cont)

	2011	2012	2013	2014	2015
Memo:					
Electronic money institutions					
Number of institutions[8]	6	7	9	10	10
Outstanding value on e-money storages issued by e-money institutions	0.00	0.01	0.01	0.03	0.03

[1] Head office, branches and agencies (bureaux). [2] Overnight deposits. [3] From 2014, includes all places of business (also offices of independent agents). [4] The breakdown by legal incorporation is based here on the country of residence of the immediate parent as in the ECB MFI lists. [5] The breakdown by legal incorporation is based here on the country of residence of the ultimate parent in order for consistency with the ECB Structural Financial Indicators and the BIS international banking statistics. [6] Includes post offices as well as so-called "Points poste". [7] Excluding accounts held by the central government (for consistency with the figures reported under "Value of accounts (EUR billions)"). [8] These figures were revised in the 2014 edition so that they reflect only the ELMIs that were not credit Institutions. For a complete list, see the website of the National Bank of Belgium at www.nbb.be/pub/cp/domains/psd/li.htm?l=en.

Table 6

Payment card functions and accepting devices

(end of year)

	2011	2012	2013	2014	2015
Cards issued in the country (thousands)					
Cards with a cash function	20,005.2	20,647.1	20,041.3	21,396.5	21,870.8
Cards with a debit function	15,707.0	16,196.8	15,684.4	16,223.5	1,702.2
Cards with a delayed debit function[1]	4,298.2	4,450.3	4,356.9	1,828.4	3,225.2
Cards with a credit function[1]	nav	nav	nav	2,102.1	2,332.6
Cards with an e-money function[2]	12,446.6	13,009.6	13,461.0	10,681.3	4,823.8
of which: cards with an e-money function which have been loaded at least once [2, 3]	*2,108.1*	*2,032.0*	*1,965.8*	*2,000.0*	*126.2*
Total number of cards (irrespective of the number of functions on the card)	20,005.2	20,647.1	20,041.3	22,769.8	22,380.1
of which: cards with a combined debit, cash and e-money function [2]	*12,446.6*	*13,009.6*	*13,461.0*	*10,459.5*	*4,518.7*
Memo:					
Retailer cards	nav	nav	nav	nav	nav
Terminals located in the country					
ATMs[4, 5]	15,767	15,658	14,861	12,680	15,634
ATMs with a cash withdrawal function	*8,599*	*8,693*	*8,707*	*8,423*	*8,395*
ATMs with a credit transfer function	*9,913*	*9,965*	*10,034*	*7,789*	*7,911*
POS terminals[5]	140,928	136,253	140,114	183,208	185,281
of which: EFTPOS terminals	*140,928*	*136,253*	*140,114*	*183,208*	*185,281*
E-money card terminals[5]	169,098	nav	nav	61,044	4,306
e-money card loading/unloading terminals	*107,518*	*nav*	*nav*	*12,713*	*3,924*
e-money card payment terminals	*61,580*	*55,014*	*44,667*	*48,331*	*382*

[1] From 2014, data distinguish between delayed debit cards and credit cards. [2] Belgian's e-purse Proton was deactivated in December 2014. [3] Estimated for 2014. [4] Each function is counted separately (to avoid double-counting, categories should not be summed). [5] From 2014, data provided directly by banks and payment institutions.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1, 2]	1,026.64	946.77	1,022.80	1,366.39	1,257.72
paper-based[2]	*40.89*	*49.15*	*32.39*	*28.98*	*34.66*
non-paper-based[2]	*985.76*	*897.61*	*990.41*	*1,337.42*	*1,223.06*
Direct debits[1]	264.55	285.64	313.10	529.45	413.35
Card payments with cards issued in the country	1,154.32	1,226.88	1,332.25	1,508.24	1,556.88
payments by cards with a debit function	*1,020.57*	*1,087.60*	*1,168.56*	*1,349.52*	*1,352.53*
payments by cards with a delayed debit	*133.74*	*139.28*	*163.69*	*156.54*	*202.07*
payments by cards with a credit function[3]	*nav*	*nav*	*nav*	*2.18*	*2.27*
E-money payment transactions	50.51	46.20	29.36	28.50	7.00
by cards with an e-money function	*50.51*	*46.20*	*29.36*	*28.54*	*7.03*
through other e-money storages	*nap*	*nap*	*nap*	*nap*	*nap*
Cheques[2]	6.50	5.44	4.28	8.53	9.48
Other payment instruments	0.12	nap	nap	1.20	24.80
Total number of transactions with payment instruments[2]	2,502.64	2,510.91	2,701.80	3,442.36	3,269.26
of which: cross-border transactions sent[2]	*129.83*	*140.79*	*163.18*	*417.66*	*358.27*
Memo:					
Cross-border transactions received[2]	88.46	82.36	95.52	79.58	66.94
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	414.72	420.10	429.05	360.52	327.08
ATM cash withdrawals	*414.72*	*420.10*	*429.05*	*328.51*	*305.11*
ATM cash deposits	*nav*	*nav*	*nav*	*32.02*	*21.96*
POS payment transactions	1,104.56	1,178.04	1,275.75	1,339.43	1,462.46
E-money card loading/unloading transactions	8.28	6.77	4.81	4.05	1.54
E-money card payment transactions[2]	50.51	46.20	29.36	26.41	1.44
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	405.67	411.26	420.25	350.25	317.41
ATM cash withdrawals	*405.67*	*411.26*	*420.25*	*318.23*	*295.45*
ATM cash deposits	*nav*	*nav*	*nav*	*32.02*	*21.96*
POS payment transactions	1,048.50	1,118.63	1,205.74	1,281.48	1,397.05
E-money card loading/unloading transactions	8.28	6.77	4.81	3.92	1.50
E-money card payment transactions[2]	50.51	46.20	29.36	26.41	1.44
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	9.05	8.84	8.80	10.28	9.66
ATM cash withdrawals	*9.05*	*8.84*	*8.80*	*10.28*	*9.66*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	56.06	59.41	70.01	57.94	65.41
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	14.08	14.34	14.93	13.20	14.32
ATM cash withdrawals	*14.08*	*14.34*	*14.93*	*13.20*	*14.32*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	105.83	108.25	126.51	140.85	129.55
E-money card loading/unloading transactions	nav	nav	nav	0.13	0.04
E-money card payment transactions	nav	nav	nav	nav	nav

[1] Includes some book-entry transfers. [2] Revised data for 2012. [3] All major credit cards are issued as delayed debit cards.

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions
(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1]	3,890.46	3,656.32	3,975.33	6,678.55	6,115.64
paper-based	*333.08*	*394.37*	*461.60*	*283.91*	*220.43*
non-paper-based	*3,557.38*	*3,261.96*	*3,513.73*	*6,394.64*	*5,895.21*
Direct debits[1]	66.77	71.25	78.28	120.07	101.43
Card payments with cards issued in the country	63.30	66.90	71.51	73.69	77.67
payments by cards with a debit function	*50.38*	*53.82*	*56.72*	*59.60*	*60.22*
payments by cards with a delayed debit	*12.92*	*13.09*	*14.79*	*13.69*	*17.03*
payments by cards with a credit function[2]	*nav*	*nav*	*nav*	*0.40*	*0.43*
E-money payment transactions	0.23	0.23	0.14	0.36	0.37
by cards with an e-money function	*0.23*	*0.23*	*0.14*	*0.07*	*0.05*
through other e-money storages[3]	*nap*	*nap*	*nap*	*0.29*	*0.31*
Cheques[2]	46.58	37.13	33.95	23.96	21.13
Other payment instruments[4]	1.19	nap	nap	2.01	1.95
Total value of transactions with payment instruments	4,068.53	3,831.83	4,159.22	6,898.64	6,318.19
of which: cross-border transactions sent	*909.83*	*989.40*	*1,014.08*	*1,515.03*	*1,515.03*
Memo:					
Cross-border transactions received[2]	1,360.65	1,186.94	1,046.92	1,173.36	2,505.45
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	50.64	52.47	54.53	74.40	61.93
ATM cash withdrawals	*50.64*	*52.47*	*54.53*	*44.47*	*42.45*
ATM cash deposits	*nav*	*nav*	*nav*	*29.93*	*19.48*
POS payment transactions	59.50	62.96	66.64	66.92	70.81
E-money card loading/unloading transactions	0.24	0.20	0.14	0.11	0.18
E-money card payment transactions[2]	0.23	0.20	0.14	0.10	0.07
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	49.33	51.19	53.23	73.97	60.96
ATM cash withdrawals	*49.33*	*51.19*	*53.23*	*44.04*	*41.48*
ATM cash deposits	*nav*	*nav*	*nav*	*29.93*	*19.48*
POS payment transactions	55.07	58.62	61.96	62.56	66.60
E-money card loading/unloading transactions	0.24	0.20	0.14	0.11	0.18
E-money card payment transactions[2]	0.23	0.20	0.14	0.09	0.07
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	1.31	1.27	1.29	0.43	0.97
ATM cash withdrawals	*1.31*	*1.27*	*1.29*	*0.43*	*0.97*
ATM cash deposits	*nav*	*nav*	*nav*	*0*	*0*
POS payment transactions	4.43	4.34	4.68	4.36	4.21
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	1.97	2.02	2.09	2.37	2.08
ATM cash withdrawals	*1.97*	*2.02*	*2.09*	*2.37*	*2.08*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	8.23	8.28	9.55	9.90	8.09
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	0.01	0.01

[1] From 2014, includes cash management agreements. [2] From 2014, data distinguish between delayed debit cards and credit cards. [3] Stored on e-money accounts. [4] From 2014, instruments not covered by the PSD Regulation.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TARGET2-BE					
Number of participants	48	48	46	45	47
Direct participants	12	14	14	14	16
Banks	11	13	13	13	15
Central bank	1	1	1	1	1
Other direct participants	0	0	0	0	0
Postal institution	*nap*	*nap*	*nap*	*nap*	*nap*
Indirect participants	36	34	32	31	31
Retail payment systems					
CEC					
Number of participants	74	72	70	63	59
Direct participants	18	15	14	13	14
Banks	16	13	13	12	13
Central bank	1	1	0	0	0
Other direct participants	1	1	1	1	1
General government	*0*	*0*	*0*	*0*	*0*
Postal institution	*0*	*0*	*0*	*0*	*0*
Clearing and settlement organisations	*0*	*0*	*0*	*0*	*0*
Other financial institutions	*0*	*0*	*0*	*0*	*0*
Other	*1*	*1*	*1*	*1*	*1*
Indirect participants	56	57	56	50	45

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions[1]
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TARGET2-BE					
Credit transfers sent	2.59	2.49	2.31	2.52	2.28
credit transfers sent within ELLIPS	*0.57*	*0.68*	*0.59*	*0.65*	*0.56*
credit transfers sent to another TARGET component	*2.03*	*1.81*	*1.71*	*1.87*	*1.72*
Memo:					
Credit transfers received from another TARGET component	1.74	1.71	1.75	1.47	1.50
Concentration ratio in terms of volume (%)[2]	91.8	90.6	89.5	93.7	93.9
Retail payment systems					
CEC					
Total transactions sent	1,224.94	1,295.12	1,365.56	1,272.23	1,402.22
credit transfers	*555.31*	*569.34*	*580.18*	*576.85*	*586.90*
direct debits	*131.41*	*135.30*	*124.97*	*11.65*	*125.47*
card payments	*142.02*	*161.22*	*198.72*	*201.17*	*249.12*
ATM transactions	*28.98*	*29.02*	*29.26*	*21.02*	*19.83*
e-money transactions	*0.69*	*0.44*	*0.28*	*0.11*	*0*
cheques	*8.15*	*3.02*	*2.46*	*2.04*	*1.53*
other payment instruments	*358.39*	*396.77*	*429.70*	*459.39*	*419.36*
Concentration ratio in terms of volume (%)[2]	85.0	85.6	86.7	89.0	87.6

[1] The table contains both customer and interbank transactions. [2] Market share of the five largest participants in each payment system.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions[1]
(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TARGET2-BE					
Credit transfers sent	22,163.17	18,712.57	16,177.33	16,247.94	15,627.37
credit transfers sent within ELLIPS	*3,153.05*	*2,793.31*	*2,724.83*	*2,385.86*	*1,593.96*
credit transfers sent to another TARGET component	*19,010.12*	*15,919.26*	*13,452.49*	*13,862.08*	*14,033.41*
Memo:					
Credit transfers received from another TARGET component	19,315.89	16,504.99	13,566.44	13,810.70	14,095.49
Concentration ratio in terms of value (%)[2]	92.3	90.9	89.9	90.8	90.5
Retail payment systems					
CEC					
Total transactions sent	886.67	909.13	911.61	870.68	883.41
credit transfers	*585.79*	*593.93*	*591.88*	*577.65*	*595.64*
direct debits	*26.39*	*27.97*	*26.62*	*2.38*	*22.48*
card payments	*102.35*	*112.48*	*117.07*	*123.33*	*121.75*
ATM transactions	*13.69*	*14.34*	*15.73*	*11.47*	*5.22*
e-money transactions	*0.26*	*0.21*	*0.15*	*0.07*	*0.00*
cheques	*39.05*	*32.93*	*26.99*	*20.75*	*11.37*
other payment instruments	*119.14*	*127.26*	*133.15*	*135.04*	*126.97*
Concentration ratio in terms of value (%)[2]	84.6	85.2	85.9	86.1	86.2

[1] The table contains both customer and interbank transactions. [2] Market share of the five largest participants in each payment system.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	22	22	22	22	24
of which: live	*22*	*22*	*22*	*22*	*24*
Sub-members	48	49	50	53	53
of which: live	*47*	*49*	*49*	*53*	*52*
Participants	44	48	58	59	60
of which: live	*42*	*46*	*49*	*53*	*55*
Total users	114	119	130	134	137
of which: live	111	117	120	128	131
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	339,983	373,679	396,554	444,125	489,180
of which:					
category I	*17,875*	*16,903*	*17,194*	*16,246*	*14,418*
category II	*5,658*	*5,556*	*5,831*	*5,996*	*5,712*
Total messages received	189,004	208,423	231,166	246,228	269,827
of which:					
category I	*17,797*	*17,382*	*17,036*	*14,928*	*13,561*
category II	*6,266*	*6,065*	*6,014*	*5,865*	*5,986*
Domestic traffic	22,646	23,842	25,567	27,540	29,955
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
Regulated off-exchange market					
Total number of participants	201	nap	nap	nap	nap
central bank	*1*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*0*	*nap*	*nap*	*nap*	*nap*
banks	*122*	*nap*	*nap*	*nap*	*nap*
other	*78*	*nap*	*nap*	*nap*	*nap*
Number of domestic participants	176	nap	nap	nap	nap
central bank	*1*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*0*	*nap*	*nap*	*nap*	*nap*
banks	*102*	*nap*	*nap*	*nap*	*nap*
other	*73*	*nap*	*nap*	*nap*	*nap*
Number of foreign participants	25	nap	nap	nap	nap
central bank	*0*	*nap*	*nap*	nap	nap
central counterparties (CCPs)	*0*	*nap*	*nap*	nap	nap
banks	*20*	*nap*	*nap*	*nap*	*nap*
other	*5*	*nap*	*nap*	*nap*	*nap*
Euronext Brussels					
Total number of participants	197	191	177	156	140
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav

Table 15

Number of listed securities

(thousands, end of year)

	2011	2012	2013	2014	2015
Regulated off-exchange market					
Total number of listed securities	0.111	nap	nap	nap	nap
debt securities	0.111	nap	nap	nap	nap
short-term paper	*0.024*	*nap*	*nap*	*nap*	*nap*
bonds	*0.087*	*nap*	*nap*	*nap*	*nap*
Euronext Brussels					
Total number of listed securities	1.133	1.615	3.500	5.231	8.165
debt securities	0.202	0.218	0.263	0.432	1.383
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	0.151	0.147	0.145	0.133	0.501
other	0.780	1.250	3.092	4.666	6.281

Table 16

Market capitalisation of listed companies

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Regulated off-exchange market					
Total market capitalisation/equity	nap	nap	nap	nap	nap
Euronext Brussels					
Total market capitalisation/equity	176.6	227.2	271.6	312.8	379.4

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
Regulated off-exchange market					
Total number of executed securities trades[1]	132.3	nap	nap	nap	nap
debt securities	132.3	nap	nap	nap	nap
short-term paper	*25.1*	*nap*	*nap*	*nap*	*nap*
bonds	*107.1*	*nap*	*nap*	*nap*	*nap*
Total number of executed derivatives trades	nap	nap	nap	nap	nap
Euronext Brussels					
Total number of executed securities trades	15,580.0	14,880.0	14,140.0	14,631.0	19,467.0
debt securities	26.0	82.0	25.0	26.0	16.0
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	15,541.0	14,791.0	14,106.0	14,577.0	19,371.0
other	13.0	7.0	9.0	28.0	80.0
Total number of executed derivatives trades	1,426,154.0	1,423,604.0	1,421,238.0	1,061,266.0	900,171.0
financial futures	*159,012.0*	*159,429.0*	*159,101.0*	*31,924.0*	*15,752.0*
financial options	*1,267,142.0*	*1,264,175.0*	*1,262,137.0*	*1,029,342.0*	*884,419.0*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
commodity futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity options	*nav*	*nav*	*nav*	*nav*	*nav*
other commodity derivatives	*nav*	*nav*	*nav*	*nav*	*nav*

[1] The total number of executed securities trades handled by the regulated off-exchange market (in linear bonds, strips and treasury certificates) includes trades on MTS Belgium and Euro MTS.

Table 18

Value of executed trades

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Regulated off-exchange market					
Total value of executed securities trades[1]	924.59	nap	nap	nap	nap
debt securities	924.59	nap	nap	nap	nap
short-term paper	*405.32*	*nap*	*nap*	*nap*	*nap*
bonds	*519.27*	*nap*	*nap*	*nap*	*nap*
Total value of executed derivatives trades	nap	nap	nap	nap	nap
Euronext Brussels					
Total value of executed securities trades	83.06	81.00	86.51	91.90	131.63
debt securities	0.20	2.50	0.73	0.66	0.36
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	82.80	78.46	85.74	91.15	131.04
other	0.07	0.04	0.05	0.09	0.24
Total value of executed derivatives trades	7.39	7.27	7.30	5.97	5.57
financial futures	*4.14*	*4.10*	*4.12*	*0.98*	*0.56*
financial options	*3.25*	*3.17*	*3.18*	*4.98*	*5.01*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
commodity futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity options	*nav*	*nav*	*nav*	*nav*	*nav*
other commodity derivatives	*nav*	*nav*	*nav*	*nav*	*nav*

[1] The total number of executed securities trades handled by the regulated off-exchange market (in linear bonds, strips and Treasury certificates) includes trades on MTS Belgium and Euro MTS.

Table 19

Number of clearing members

	2011	2012	2013	2014	2015
LCH.Clearnet SA					
Total number of clearing members[1]	nav	nav	nav	nav	nav

[1] See France, Table 19.

Table 20

Number of contracts and transactions cleared

(thousands, total for the year)

	2011	2012	2013	2014	2015
LCH.Clearnet SA					
Total number of contracts and transactions cleared	34,831.2	32,216.1	30,882.3	31,806.5	41,348.5
Number of securities transactions cleared	31,491.8	30,074.4	28,400.7	29,559.6	39,425.6
debt securities	5.556	7.636	9.328	11.488	10.140
short-term paper	*0.164*	*0.110*	*0.472*	*1.490*	*1.064*
bonds	*5.392*	*7.526*	*8.856*	*9.998*	*9.076*
equity	31,486.2	30,066.8	28,391.4	29,548.1	39,415.4
of which: number of repurchase transactions cleared	*5.556*	*7.636*	*9.328*	*11.488*	*10.140*
debt securities [1]	*5.556*	*7.636*	*9.328*	*11.488*	*10.140*
short-term paper	*0.164*	*0.110*	*0.472*	*1.490*	*1.064*
bonds	*5.392*	*7.526*	*8.856*	*9.998*	*9.076*
Number of exchange-traded derivatives contracts cleared	3,339.4	2,141.7	2,481.6	2,247.0	1,922.9
financial futures	*233.4*	*120.4*	*72.8*	*69.2*	*32.5*
financial options	*3,106.1*	*2,021.3*	*2,408.8*	*2,177.8*	*1,890.4*
commodity futures	*nap*	*nav*	*nav*	*nav*	*nav*
commodity options	*nap*	*nav*	*nav*	*nav*	*nav*
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

Table 21

Value of contracts and transactions cleared

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
LCH.Clearnet SA					
Total value of contracts and transactions cleared	877.174	1,156.404	1,523.943	1,760.947	1,618.007
Value of securities transactions cleared	862.658	1,146.214	1,511.641	1,748.096	1,605.410
debt securities	700.538	985.330	1,341.012	1,566.831	1,345.387
short-term paper	*19.159*	*12.734*	*65.834*	*215.753*	*124.651*
bonds	*681.379*	*972.596*	*1,275.178*	*1,351.078*	*1,220.736*
equity	162.120	160.884	170.629	181.265	260.023
of which: value of repurchase transactions cleared	*700.538*	*985.330*	*1,341.012*	*1,566.831*	*1,345.387*
debt securities	*700.538*	*985.330*	*1,341.012*	*1,566.831*	*1,345.387*
short-term paper	*19.159*	*12.734*	*65.834*	*215.753*	*124.651*
bonds	*681.379*	*972.596*	*1,275.178*	*1,351.078*	*1,220.736*
Value of exchange-traded derivatives contracts cleared	14.515	10.190	12.302	12.850	12.597
financial futures	*5.843*	*2.742*	*1.956*	*2.131*	*1.163*
financial options	*8.672*	*7.448*	*10.346*	*10.720*	*11.435*
commodity futures	*nap*	*nav*	*nav*	*nav*	*nav*
commodity options	*nap*	*nav*	*nav*	*nav*	*nav*
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
NBB SSS					
Total number of participants	87	84	84	99	69
central bank	*2*	*2*	*1*	*19*	*1*
central counterparties (CCPs)	*3*	*3*	*3*	*3*	*2*
central securities depositories	*4*	*4*	*5*	*6*	*6*
banks	*66*	*63*	*63*	*59*	*50*
other	*12*	*12*	*12*	*12*	*10*
Number of domestic participants	52	50	50	68	45
central bank	*1*	*1*	*1*	*19*	*1*
central counterparties (CCPs)	*2*	*2*	*2*	*2*	*0*
central securities depositories	*1*	*1*	*1*	*1*	*1*
banks	*38*	*35*	*35*	*35*	*37*
other	*10*	*11*	*11*	*11*	*6*
Number of foreign participants	35	34	34	31	24
central bank	*1*	*1*	*0*	*0*	*0*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*2*
central securities depositories	*3*	*3*	*4*	*5*	*5*
banks	*28*	*28*	*28*	*24*	*13*
other	*2*	*1*	*1*	*1*	*4*
Euroclear Belgium					
Total number of participants	73	73	76	78	77
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*27*	*27*	*31*	*34*	*34*
other	*44*	*44*	*43*	*42*	*41*
Number of domestic participants	20	20	20	20	19
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*3*	*3*	*3*	*3*	*3*
other	*16*	*16*	*16*	*16*	*15*
Number of foreign participants	53	53	56	58	58
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*24*	*24*	*28*	*31*	*31*
other	*28*	*28*	*27*	*26*	*26*

Table 22 (cont)

	2011	2012	2013	2014	2015
Euroclear Bank					
Total number of participants	1,383	1,391	1,474	1,539	1,602
central bank	*97*	*97*	*109*	*107*	*109*
central counterparties (CCPs)	*4*	*4*	*4*	*7*	*4*
central securities depositories	*15*	*15*	*15*	*21*	*14*
banks	*320*	*322*	*348*	*397*	*454*
other	*947*	*953*	*998*	*1,007*	*1,021*
Number of domestic participants	30	30	33	34	36
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*2*	*2*	*2*	*2*	*2*
banks	*11*	*11*	*11*	*12*	*12*
other	*16*	*16*	*19*	*19*	*21*
Number of foreign participants	1,353	1,361	1,441	1,505	1,566
central bank	*96*	*96*	*108*	*106*	*108*
central counterparties (CCPs)	*4*	*4*	*4*	*7*	*4*
central securities depositories	*13*	*13*	*13*	*19*	*12*
banks	*309*	*311*	*337*	*385*	*442*
other	*931*	*937*	*979*	*988*	*1,000*

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
NBB SSS					
Total number of securities held	1.68	1.85	2.06	2.12	2.36
debt securities	1.68	1.85	2.06	2.12	2.36
short-term paper	*1.03*	*1.14*	*1.23*	*1.22*	*1.25*
bonds	*0.64*	*0.71*	*0.83*	*0.90*	*1.11*
Euroclear Belgium					
Total number of securities held	0.77	0.82	1.04	0.97	1.09
debt securities	0.10	0.03	0.05	0.06	0.04
bonds	*0.10*	*0.03*	*0.05*	*0.06*	*0.04*
equity	0.48	0.45	0.40	0.37	0.34
other	0.20	0.35	0.59	0.55	0.71
Euroclear Bank[1]					
Total number of securities held	203.90	202.81	212.13	219.97	230.65
debt securities	157.01	156.89	167.73	173.95	188.58
short-term paper	*18.74*	*23.93*	*28.82*	*36.96*	*40.64*
bonds	*138.27*	*132.96*	*138.91*	*136.99*	*147.94*
equity	18.68	18.52	19.83	23.00	20.87
other	28.21	27.41	24.57	23.02	21.21

[1] The number of securities held on accounts at Euroclear Bank represent the number of eligible securities with holding.

Table 24

Value of securities held on accounts at CSDs

(EUR billions, end of year)

	2011	2012	2013	2014	2015
NBB SSS					
Total value of securities held	513.30	531.24	541.71	557.31	575.43
debt securities	513.30	531.24	541.71	557.31	575.43
short-term paper	*60.37*	*61.43*	*55.43*	*62.82*	*67.37*
bonds	*452.93*	*469.81*	*486.28*	*494.49*	*508.06*
Euroclear Belgium					
Total value of securities held	131.74	158.63	202.75	224.85	271.11
debt securities	4.90	0.14	0.24	0.44	0.18
bonds	*4.90*	*0.14*	*0.24*	*0.44*	*0.18*
equity	126.06	157.59	201.25	223.13	270.41
other	0.78	0.90	1.26	1.28	0.52
Euroclear Bank					
Total value of securities held	10,769.27	10,752.58	10,614.30	11,791.41	12,273.20
debt securities	10,130.89	10,038.59	9,997.55	10,871.16	11,275.63
short-term paper	*644.56*	*590.26*	*540.34*	*602.32*	*705.41*
bonds	*9,486.33*	*9,448.33*	*9,457.21*	*10,268.84*	*10,570.23*
equity	455.00	561.13	505.07	733.96	825.53
other	183.39	152.86	111.68	186.29	172.04

Table 25

Number of delivery instructions processed

(thousands, total for the year)

	2011	2012	2013	2014	2015
NBB SSS					
Total number of delivery instructions	519	583	551	949	498
DVP	288	320	309	564	252
debt securities	288	320	309	564	252
short-term paper	*51*	*57*	*64*	*118*	*54*
bonds	*237*	*263*	*245*	*446*	*198*
free of payment	231	263	242	385	246
debt securities	231	263	242	385	246
short-term paper	*38*	*36*	*32*	*52*	*34*
bonds	*193*	*227*	*210*	*333*	*212*
Euroclear Belgium					
Total number of delivery instructions	1,803	1,801	1,908	2,118	2,467
DVP	1,713	1,719	1,830	2,034	2,363
debt securities	3	0	1	1	1
bonds	*3*	*0*	*1*	*1*	*1*
equity	1,695	1,707	1,813	2,005	2,289
other	15	12	16	28	73
free of payment	90	82	78	84	104
debt securities	1	0	0	0	0
bonds	*1*	*0*	*0*	*0*	*0*
equity	84	77	72	74	76
other	5	5	6	10	28
Euroclear Bank					
Total number of delivery instructions	59,917	64,858	70,096	75,708	83,725
DVP	49,679	53,850	57,879	62,262	68,801
debt securities	42,078	46,578	50,769	55,489	61,741
short-term paper	*844*	*912*	*958*	*1,017*	*1,010*
bonds	*41,234*	*45,666*	*49,811*	*54,472*	*60,731*
equity	7,204	6,937	6,736	6,402	6,692
other	397	335	374	371	368
free of payment	10,238	11,008	12,217	13,446	14,924
debt securities	8,047	8,951	10,174	11,250	12,530
short-term paper	*294*	*300*	*306*	*321*	*304*
bonds	*7,753*	*8,651*	*9,868*	*10,929*	*12,226*
equity	2,005	1,889	1,873	2,033	2,227
other	186	168	170	163	167

Table 26

Value of delivery instructions processed

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
NBB SSS					
Total value of delivery instructions	14,129.9	10,250.1	8,262.6	10,838.4	8,028.2
DVP	8,235.9	5,981.2	4,905.8	5,106.3	4,631.9
debt securities	8,235.9	5,981.2	4,905.8	5,106.3	4,631.9
short-term paper	*1,331.3*	*1,179.4*	*1,275.4*	*1,164.6*	*1,066.0*
bonds	*6,904.5*	*4,801.8*	*3,630.4*	*3,941.7*	*3,565.9*
free of payment	5,894.0	4,268.8	3,356.8	5,732.2	3,396.3
debt securities	5,894.0	4,268.8	3,356.8	5,732.2	3,396.3
short-term paper	*1,175.4*	*957.7*	*996.1*	*1,472.2*	*941.5*
bonds	*4,718.6*	*3,311.2*	*2,360.7*	*4,260.0*	*2,454.8*
Euroclear Belgium					
Total value of delivery instructions	555.9	552.9	783.3	835.5	933.5
DVP	480.6	526.4	752.7	793.6	897.0
debt securities	0.0	0.0	0.3	0.2	0.0
bonds	*0.0*	*0.0*	*0.3*	*0.2*	*0.0*
equity	480.2	526.3	752.3	793.1	896.3
other	0.4	0.1	0.1	0.2	0.7
free of payment	75.3	26.5	30.7	41.9	36.5
debt securities	0.0	0.0	0.0	0.1	0.0
bonds	*0.0*	*0.0*	*0.0*	*0.1*	*0.0*
equity	74.3	26.4	30.6	41.7	35.1
other	1.0	0.1	0.0	0.2	1.4
Euroclear Bank					
Total value of delivery instructions	332,958.8	308,953.5	342,231.9	388,500.3	439,953.6
DVP	278,791.2	261,264.0	294,924.9	334,826.8	381,913.9
debt securities	275,393.8	258,185.1	291,395.3	328,701.4	375,005.7
short-term paper	*19,164.8*	*18,054.3*	*17,939.6*	*18,347.5*	*19,673.0*
bonds	*256,229.1*	*240,130.8*	*273,455.6*	*310,353.8*	*355,332.7*
equity	2,971.5	2,729.4	2,710.3	4,445.5	6,447.6
other	425.9	349.4	819.3	1,680.0	460.6
free of payment	54,167.6	47,689.5	47,307.0	53,673.5	58,039.7
debt securities	48,070.1	44,557.4	44,192.7	50,391.1	54,299.1
short-term paper	*5,728.1*	*5,547.0*	*4,559.5*	*4,402.3*	*4,150.8*
bonds	*42,342.0*	*39,010.3*	*39,633.2*	*45,988.8*	*50,148.3*
equity	2,150.9	1,977.9	2,202.1	2,620.6	3,224.2
other	3,946.6	1,154.3	912.2	661.8	516.4

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	197,394	199,245	201,041	202,783	204,470
GDP (BRL billions)[1]	4,373.7	4,805.9	5,316.5	5,687.3	5,904.3
GDP per capita (BRL)	22,157	24,121	26,445	28,046	28,876
Consumer price inflation (%)	6.5	5.8	5.9	6.4	10.7
Exchange rate (BRL/USD):					
end of year	*1.8758*	*2.0435*	*2.3426*	*2.6562*	*3.9048*
average	*1.6746*	*1.9550*	*2.1605*	*2.3547*	*3.3387*

[1] Data have been revised from previous editions.

Table 2

Settlement media used by non-banks

(BRL billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks	131.74	150.16	164.68	179.15	186.29
Value of transferable deposits[1]	153.64	174.89	179.83	172.46	148.12
Narrow money supply (M1)	285.38	325.05	344.51	351.60	334.42
Memo:					
Transferable deposits in foreign currencies	nap	nap	nap	nap	nap
Outstanding value on e-money storage	nav	nav	nav	nav	nav
on card-based products	*nav*	*nav*	*nav*	*nav*	*nav*
on software- or network-based products	*nav*	*nav*	*nav*	*nav*	*nav*

[1] Sight deposits only.

Table 3

Settlement media used by banks

(BRL billions, average of last reserve maintenance period except as noted)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank[1]	48.07	55.20	47.18	46.58	37.90
required reserves	*48.07*	*55.20*	*47.18*	*46.58*	*37.90*
free reserves[2]	*0*	*0*	*0*	*0*	*0*
Transferable balances held at other banks[3]	nap	nap	nap	nap	nap
Memo:					
Credit extended by the central bank:[4]					
intraday	*31.02*	*54.73*	*56.14*	*81.42*	*69.99*
overnight	*0*	*61.85*	*0*	*0*	*0*
longer refinancing operations (repos)	*0*	*0*	*0*	*0*	*0*

[1] Not including balance of settlement accounts held by non-bank financial institutions (data are negligible). [2] Data are negligible. [3] In Brazil, banks taking sight deposits from the public at large are not allowed to hold this kind of deposit in another bank. [4] Last business day of the year. Where this value is negative, a zero position is reported (in the last years the Central Bank of Brazil has carried out open market transactions mainly with a view to draining liquidity from the market so as to mitigate the effects of its foreign exchange purchase transactions).

Table 4

Banknotes and coin

(BRL billions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	162.770	187.435	204.340	221.141	225.485
Total banknotes issued	158.418	182.610	198.693	215.163	219.526
BRL 100	*48.577*	*61.543*	*68.794*	*79.628*	*84.606*
BRL 50	*84.126*	*92.622*	*101.303*	*107.226*	*108.180*
BRL 20	*14.856*	*16.891*	*16.322*	*15.819*	*14.826*
BRL 10	*6.839*	*7.223*	*7.308*	*7.189*	*6.837*
BRL 5	*2.237*	*2.354*	*2.740*	*2.943*	*2.683*
BRL 2	*1.632*	*1.827*	*2.077*	*2.209*	*2.245*
BRL 1	*0.151*	*0.150*	*0.149*	*0.149*	*0.149*
Total coin issued	4.351	4.824	5.647	5.978	5.959
of which:					
BRL 1	*2.113*	*2.355*	*2.642*	*2.821*	*2.997*
BRL 0.50	*0.963*	*1.068*	*1.178*	*1.256*	*1.300*
BRL 0.25	*0.523*	*0.576*	*0.641*	*0.675*	*0.696*
BRL 0.10	*0.496*	*0.543*	*0.594*	*0.620*	*0.637*
BRL 0.05	*0.225*	*0.250*	*0.271*	*0.286*	*0.294*
BRL 0.01	*0.032*	*0.032*	*0.319*	*0.319*	*0.032*
Commemorative coin	*0.001*	*0.001*	*0.001*	*0.002*	*0.002*
Banknotes and coin held by banks	31.028	37.279	39.664	41.993	39.191
Banknotes and coin in circulation outside banks	131.741	150.156	164.675	179.148	186.294

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices	9	9	9	9	9
Number of accounts (thousands)[1]	0.038	0.032	0.033	0.037	0.043
Value of accounts (BRL millions)	20.36	24.59	37.86	17.15	12.50
Memo:					
Number of accounts, banks (thousands)	0.132	0.132	0.131	0.130	0.133
Banks					
Number of institutions	160	160	155	152	153
Number of branches or offices[2]	29,813	32,259	32,923	33,071	32,961
Number of accounts (thousands)[3]	150,085	162,881	172,855	nav	nav
of which: number of internet/PC-linked accounts (thousands) [4]	*33,391*	*39,902*	*44,907*	*52,377*	*54,633*
Value of accounts (BRL billions)[3]	153.64	174.89	179.85	172.46	148.12
Government-owned banks					
Number of institutions	9	9	9	9	9
Number of branches or offices	11,337	12,239	12,879	13,181	13,258
Value of accounts (BRL billions)[5]	78.69	94.17	92.56	92.90	83.09
Domestic private banks					
Number of institutions	145	145	140	137	138
Number of branches or offices	18,467	20,009	20,032	19,878	19,692
Value of accounts (BRL billions)[5]	74.95	80.72	87.27	79.55	65.02
Branches of foreign banks					
Number of institutions	6	6	6	6	6
Number of branches or offices	9	11	12	12	11
Value of accounts (BRL billions)	0.00	0.00	0.02	0.00	0.01
Other institutions offering payment services to non-banks[6]					
Number of institutions[1]	97,994	108,921	115,647	109,870	104,273
Number of branches or offices	133,094	147,034	152,635	145,934	138,829
Number of accounts (thousands)	nav	nav	nav	nav	nav
Value of accounts (BRL billions)	7.18	8.98	10.97	12.74	13.88
Institutions offering payment services to non-banks (total)					
Number of institutions	98,155	109,082	115,803	110,023	104,427
Number of branches or offices	162,916	179,302	185,567	179,014	171,799
Number of accounts held by non-banks (thousands)[7]	150,085	162,881	172,855	nav	nav
of which: number of internet/PC-linked accounts (thousands)	*33,391*	*39,902*	*44,907*	*52,377*	*54,633*
Value of accounts held by non-banks (BRL billions)	160.83	183.90	190.86	185.22	162.01
Memo:					
Electronic money institutions					
Number of institutions	nav	nav	nav	nav	nav
Outstanding value on e-money storages issued by e-money institutions (BRL billions)	nav	nav	nav	nav	nav

[1] Data have been revised from previous years. [2] Includes both traditional and special branches. The latter are mainly restricted access branches (branches located in the premises of a private or public entity and providing services to this entity and its employees only). Temporary branches and specialised branches in microfinance and in gold trade were not included before 2013. Data have been revised from previous editions. [3] Sight deposit accounts only. Since January 2014, banks have not been required to report the number of accounts held by their clients. [4] Data from 2009 to 2012 have been revised. [5] Estimated value. [6] Includes credit unions and bank correspondents (non-financial entities acting as banks' agents, such as lottery houses, drugstores, supermarkets, post offices etc). [7] Does not include accounts held by non-banks in credit unions.

Table 6

Payment card functions and accepting devices

(end of year)

	2011	2012	2013	2014	2015
Cards issued in the country (thousands)					
Cards with a cash function	324,752	335,558	348,185	350,250	349,991
Cards with a debit function[1]	254,449	283,796	291,218	313,220	317,355
Cards with a credit function[1,2]	154,090	153,280	160,588	161,065	165,221
Cards with an e-money function	2,257	2,651	2,244	2,673	2,436
of which: cards with an e-money function which have been loaded at least once	*nav*	*nav*	*nav*	*nav*	*nav*
Total number of cards (irrespective of the number of functions on the card)	nav	nav	nav	nav	nav
of which: cards with a combined debit, cash and e-money function	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Retailer cards[3]	247,402	258,928	nav	nav	nav
Terminals located in the country					
ATMs[4]	173,864	175,139	182,538	184,446	182,378
ATMs with a cash withdrawal function	*157,492*	*160,171*	*167,132*	*168,563*	*166,435*
ATMs with a credit transfer function	*nav*	*nav*	*nav*	*nav*	*nav*
POS terminals[5]	3,515,829	4,096,585	4,452,255	5,036,443	5,160,948
EFTPOS terminals	*3,135,598*	*3,978,381*	*4,382,581*	*4,968,394*	*5,160,948*
E-money card terminals	nav	nav	nav	nav	nav
e-money card loading/unloading terminals	*nav*	*nav*	*nav*	*nav*	*nav*
e-money card payment terminals	*nav*	*nav*	*nav*	*nav*	*nav*

[1] Data may be subject to annual revisions as reporting entities update and correct data. [2] Includes delayed debit cards issued by American Express. [3] Source: Brazilian Payment Card Industry Association - ABECS. Since 2013, the source has no longer disclosed industry-level data on the retail cards sector. [4] Data have been revised since 2008. [5] Time series revised. Each terminal is counted separately, unless the terminals are based on a PC-technology solution used in multiple checkouts. In the latter case, each merchant location counts as one terminal, regardless of the number of checkouts.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1]	8,443.32	9,074.13	9,588.02	9,560.77	10,417.55
paper-based	*nap*	*nap*	*nap*	*nap*	*nap*
non-paper-based	*8,443.32*	*9,074.13*	*9,588.02*	*9,560.77*	*10,417.55*
Direct debits[1]	4,134.79	4,357.91	4,953.40	5,557.07	5,427.00
Card payments with cards issued in the country[1]	7,430.00	8,693.06	10,036.07	11,119.42	12,120.94
payments by cards with a debit function	*3,509.25*	*4,130.40*	*4,910.31*	*5,628.24*	*6,467.81*
payments by cards with a credit function[2]	*3,920.75*	*4,562.66*	*5,125.76*	*5,491.18*	*5,653.13*
E-money payment transactions[1]	37.39	36.00	38.08	27.78	24.37
by cards with an e-money function	*37.39*	*36.00*	*38.08*	*27.78*	*24.37*
through other e-money storages	*nav*	*nav*	*nav*	*nav*	*nav*
Cheques[1]	1,590.17	1,439.30	1,296.98	1,164.82	1,018.02
Total number of transactions with payment instruments[1]	21,635.67	23,600.39	25,912.55	27,429.84	29,007.88
of which: cross-border transactions sent[3]	*86.19*	*91.87*	*107.97*	*125.94*	*95.54*
Memo:					
Cross-border transactions received	0.30	0.46	0.39	0.31	0.32
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions[4]	4,100.06	4,225.61	4,459.18	4,567.44	4,614.48
ATM cash withdrawals	*3,133.54*	*3,250.78*	*3,385.18*	*3,529.11*	*3,628.24*
ATM cash deposits	*774.47*	*769.82*	*859.31*	*801.76*	*735.92*
POS payment transactions[5]	7,344.03	8,601.35	9,928.23	10,993.63	12,025.55
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions[4]	4,100.06	4,225.61	4,459.18	4,567.44	4,614.48
ATM cash withdrawals	*3,133.54*	*3,250.78*	*3,385.18*	*3,529.11*	*3,628.24*
ATM cash deposits	*774.47*	*769.82*	*859.31*	*801.76*	*735.92*
POS payment transactions	7,344.03	8,601.35	9,928.23	10,993.63	12,025.55
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	nav	nav	nav	nav	nav
POS payment transactions	nav	nav	nav	nav	nav
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	nav	nav	nav	nav	nav
POS payment transactions	85.97	91.71	107.84	125.79	95.38
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav

[1] Data may be subject to annual revisions as reporting entities update and correct data. [2] Includes payments made with delayed debit cards issued by American Express. [3] Includes both card payments outside the country and remittances. [4] Also includes ATM credit transfers. [5] Payments through cards issued outside the country are not included.

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions
(BRL billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	20,149.54	25,188.76	30,235.12	32,139.17	33,968.79
paper-based	*nap*	*nap*	*nap*	*nap*	*nap*
non-paper-based	*20,149.54*	*25,188.76*	*30,235.12*	*32,139.17*	*33,968.79*
Direct debits[1]	2,470.39	3,801.72	5,570.23	5,026.09	4,313.35
Card payments with cards issued in the country	614.66	723.78	850.07	968.21	1,067.58
payments by cards with a debit function	*196.06*	*237.77*	*293.29*	*348.61*	*389.78*
payments by cards with a credit function[2]	*418.59*	*486.01*	*556.77*	*619.60*	*677.80*
E-money payment transactions	2.10	2.26	3.30	1.77	1.29
by cards with an e-money function	*2.10*	*2.26*	*3.30*	*1.77*	*1.29*
through other e-money storages	*nav*	*nav*	*nav*	*nav*	*nav*
Cheques	2,785.64	2,891.26	2,916.91	2,801.25	2,543.15
Total value of transactions with payment instruments	26,022.33	32,607.78	39,575.63	40,936.48	41,894.15
of which: cross-border transactions sent[3]	*19.21*	*21.83*	*24.15*	*27.16*	*25.89*
Memo:					
Cross-border transactions received	1.84	1.75	1.65	1.37	1.82
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions[4]	1,709.19	1,863.04	1,920.63	1,841.41	2,165.68
ATM cash withdrawals	*846.39*	*950.63*	*1,071.99*	*1,179.57*	*1,303.32*
ATM cash deposits	*720.89*	*747.01*	*654.65*	*443.20*	*593.17*
POS payment transactions[5]	596.48	702.91	826.90	942.19	1,130.40
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions[4]	1,709.19	1,863.04	1,920.63	1,841.41	2,165.68
ATM cash withdrawals	846.39	*950.63*	1,071.99	*1,179.57*	*1,303.32*
ATM cash deposits	*720.89*	*747.01*	*654.65*	*443.20*	*593.17*
POS payment transactions	596.48	702.91	826.90	942.19	1,130.40
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	nav	nav	nav	nav	nav
ATM cash withdrawals	*nav*	*nav*	*nav*	*nav*	*nav*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	nav	nav	nav	nav	nav
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	nav	nav	nav	nav	nav
ATM cash withdrawals	*nav*	*nav*	*nav*	*nav*	*nav*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	18.17	20.87	23.17	26.02	24.61
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav

[1] Data have been revised for 2013 and 2014 by a significant reporting entity. [2] Includes payments made with delayed debit cards issued by American Express. [3] Includes both card payments outside the country and remittances. [4] Also includes ATM credit transfers. [5] Payments through cards issued outside the country are not included.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
STR					
Number of participants	166	171	169	172	181
Direct participants	166	171	169	172	181
Banks	132	134	131	130	133
Central bank	1	1	1	1	1
Other direct participants	33	36	37	41	47
General government	*1*	*1*	*1*	*1*	*1*
Postal institution	*0*	*0*	*0*	*0*	*0*
Clearing and settlement organisations	*3*	*3*	*3*	*3*	*3*
Other financial institutions	*29*	*32*	*33*	*37*	*43*
Other	*0*	*0*	*0*	*0*	*0*
SITRAF[1]					
Number of participants	98	nap	nap	nap	nap
Direct participants	98	nap	nap	nap	nap
Banks	98	nap	nap	nap	nap
BmfBovespa-FX					
Number of participants	70	71	76	76	77
Direct participants	70	71	76	76	77
Banks	70	71	76	76	77
Retail payment systems					
COMPE					
Number of participants	137	136	131	129	119
Direct participants	137	136	131	129	119
Banks	124	123	118	115	106
Other direct participants	13	13	13	14	13
General government	*0*	*0*	*0*	*0*	*0*
Postal institution	*0*	*0*	*0*	*0*	*0*
Clearing and settlement organisations	*0*	*0*	*0*	*0*	*0*
Other financial institutions	*13*	*13*	*13*	*14*	*13*
Other	*0*	*0*	*0*	*0*	*0*
SILOC					
Number of participants	122	121	119	122	122
Direct participants	122	121	119	122	122
Banks	112	110	104	107	107
Other direct participants	10	11	15	15	15
General government	*0*	*0*	*0*	*0*	*0*
Postal institution	*0*	*0*	*0*	*0*	*0*
Clearing and settlement organisations	*0*	*0*	*0*	*0*	*0*
Other financial institutions	*10*	*11*	*15*	*15*	*15*
Other	*0*	*0*	*0*	*0*	*0*
SITRAF[1]					
Number of participants	nap	99	99	102	101
Direct participants	nap	99	99	102	101
Banks	nap	86	87	88	88
Other direct participants	nap	13	12	14	13
Other financial institutions	nap	13	12	14	13

[1] Since 2012, SITRAF has been categorised as a retail payment system.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
STR					
Total transactions sent	17.210	23.030	30.413	36.502	42.538
Concentration ratio in terms of volume (%)	40.3	47.0	45.8	47.7	51.2
SITRAF[1]					
Total transactions sent	101.751	nap	nap	nap	nap
Concentration ratio in terms of volume (%)	72.1	nap	nap	nap	nap
BmfBovespa-FX					
Total transactions sent	0.044	0.040	0.035	0.029	0.032
Concentration ratio in terms of volume (%)	47.5	45.4	47.8	47.3	34.8
Retail payment systems					
COMPE					
Total national transactions sent	1,132.706	1,030.379	887.384	799.735	711.600
Cheques	*1,132.706*	*1,030.379*	*887.384*	*799.735*	*711.600*
Concentration ratio in terms of volume (%)	79.8	80.7	79.4	79.1	78.4
SILOC					
Total national transactions sent	2,731.139	4,183.598	5,075.709	5,877.518	6,582.292
Credit transfers	*2,731.139*	*4,183.598*	*5,075.709*	*5,877.518*	*6,582.292*
Concentration ratio in terms of volume (%)	82.7	84.7	84.0	85.2	84.4
SITRAF[1]					
Total national transactions sent	nap	115.5	175.7	226.9	294.1
Credit transfers	nap	115.5	175.7	226.9	294.1
Concentration ratio in terms of volume (%)	nap	76.2	78.5	80.9	81.5

[1] Since 2012, SITRAF has been categorised as a retail payment system.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(BRL billions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
STR					
Total transactions sent	154,519.0	168,809.9	236,405.2	266,733.8	278,934.3
Concentration ratio in terms of value (%)	54.1	52.6	58.0	60.4	58.5
SITRAF[1]					
Total transactions sent	4,439.1	nap	nap	nap	nap
Concentration ratio in terms of value (%)	77.4	nap	nap	nap	nap
BmfBovespa-FX					
Total transactions sent	1,035.1	998.5	1,131.5	830.4	1,088.4
Concentration ratio in terms of value (%)	58.2	54.7	58.1	61.5	40.8
Retail payment systems					
COMPE					
Total national transactions sent	1,123.3	1,122.5	1,122.8	1,104.6	1,041.2
Cheques	*1,123.3*	*1,122.5*	*1,122.8*	*1,104.6*	*1,041.2*
Concentration ratio in terms of value (%)	79.6	80.5	80.3	79.8	78.9
SILOC					
Total national transactions sent	1,269.5	1,491.7	2,386.3	3,303.6	3,448.1
Credit transfers	*1,139.5*	*1,279.8*	*2,090.7*	*2,907.4*	*2,952.2*
Card payments	*129.9*	*211.9*	*295.6*	*396.1*	*495.8*
Concentration ratio in terms of value (%)	83.0	84.1	82.4	81.7	81.6
SITRAF[1]					
Total national transactions sent	nap	3,039.0	3,490.6	3,878.6	4,131.9
Credit transfers	nap	3,039.0	3,490.6	3,878.6	4,131.9
Concentration ratio in terms of value (%)	nap	80.2	81.1	81.8	81.6

[1] Since 2012, SITRAF has been categorised as a retail payment system.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	22	23	22	19	21
of which: live	*22*	*23*	*22*	*19*	*21*
Sub-members	29	29	31	31	31
of which: live	*29*	*29*	*31*	*30*	*31*
Participants	47	49	52	61	61
of which: live	*45*	*47*	*50*	*55*	*57*
Total users	98	101	105	111	113
of which: live	*96*	*99*	*103*	*104*	*109*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	8,720	10,437	11,660	22,209	25,254
of which:					
category I	*2,649*	*2,901*	*2,887*	*3,194*	*3,078*
category II	*357*	*385*	*364*	*356*	*372*
Total messages received	7,358	7,577	8,214	8,136	9,174
of which:					
category I	*2,131*	*2,153*	*2,242*	*2,220*	*2,300*
category II	*338*	*347*	*364*	*410*	*429*
Domestic traffic	94	138	155	166	197
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems[1]
(end of year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities					
Total number of participants	87	83	76	72	98
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*0*	*0*	*0*	*0*	*6*
other	*87*	*83*	*76*	*72*	*92*
Number of domestic participants	87	83	76	72	98
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*0*	*0*	*0*	*0*	*6*
other	*87*	*83*	*76*	*72*	*92*
Number of foreign participants	nap	nap	nap	nap	nap
BmfBovespa-Derivatives					
Total number of participants	68	66	60	58	86
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*0*	*3*	*3*	*4*	*10*
other	*68*	*63*	*57*	*54*	*76*
Number of domestic participants	68	66	60	58	86
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*0*	*3*	*3*	*4*	*10*
other	*68*	*63*	*57*	*54*	*76*
Number of foreign participants	nap	nap	nap	nap	nap

[1] Figures prior to 2010 cannot be broken down according to the nature of participants (banks, other).

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities					
Total number of listed securities	1,161	1,163	1,157	1,205	1,224
debt securities	259	241	300	280	297
bonds	*259*	*241*	*300*	*280*	*297*
equity	799	785	700	752	757
other	103	137	157	173	170
BmfBovespa-Derivatives					
Total number of listed securities	nap	nap	nap	nap	nap

Table 16

Market capitalisation of listed companies

(BRL billions, end of year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities					
Total market capitalisation/equity	2,292.3	2,514.8	2,407.6	2,236.2	1,907.0
BmfBovespa-Derivatives					
Total market capitalisation/equity	nap	nap	nap	nap	nap

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities					
Total number of executed securities trades	119,817.73	161,755.03	193,492.41	203,848.39	230,217.76
debt securities	3.20	2.97	2.48	2.00	1.87
bonds	*3.20*	*2.97*	*2.48*	*2.00*	*1.87*
equity	118,724.75	160,398.86	191,511.54	201,405.69	224,808.50
other	1,089.78	1,353.20	1,978.40	2,440.70	5,407.39
Total number of executed derivatives trades	22,590.36	31,331.13	27,107.81	24,284.11	14,628.09
financial futures	*0*	*0*	*0*	*0*	*0*
financial options	*22,304.07*	*31,092.26*	*26,914.41*	*24,136.70*	*14,509.60*
other financial derivatives	*286.29*	*238.88*	*193.40*	*147.41*	*118.49*
BmfBovespa-Derivatives					
Total number of executed securities trades	nap	nap	nap	nap	nap
Total number of executed derivatives trades	19,673.813	24,533.774	31,750.764	44,327.617	72,366.226
financial futures	*19,058.705*	*23,978.220*	*31,254.932*	*43,763.802*	*71,919.972*
financial options	*33.474*	*42.555*	*25.244*	*27.596*	*31.793*
other financial derivatives	*0.012*	*0.002*	*0.020*	*0.072*	*0.155*
commodity futures	*574.422*	*505.707*	*465.535*	*529.822*	*407.674*
commodity options	*7.107*	*7.238*	*4.967*	*6.321*	*6.632*
other commodity derivatives	*0.093*	*0.052*	*0.066*	*0.004*	*0.000*

Table 18

Value of executed trades

(BRL billions, total for the year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities					
Total value of executed securities trades	2,272.48	2,505.45	2,814.93	2,482.02	2,359.41
debt securities	0.94	2.19	1.08	1.26	1.78
bonds	*0.94*	*2.19*	*1.08*	*1.26*	*1.78*
equity	2,254.04	2,456.82	2,768.14	2,438.35	2,291.69
other	17.50	46.45	45.70	42.41	65.94
Total value of executed derivatives trades	98.19	94.33	79.82	78.24	57.90
financial futures	*0*	*0*	*0*	*0*	*0*
financial options	*68.80*	*68.90*	*57.12*	*57.82*	*41.53*
other financial derivatives	*29.39*	*25.43*	*22.70*	*20.42*	*16.37*
BmfBovespa-Derivatives					
Total value of executed securities trades	nap	nap	nap	nap	nap
Total value of executed derivatives trades	46,338.806	48,410.737	54,517.208	47,239.799	59,937.817
financial futures	*45,674.597*	*48,261.438*	*54,403.354*	*47,122.974*	*59,755.625*
financial options	*587.604*	*95.199*	*59.235*	*31.510*	*45.304*
other financial derivatives	*2.367*	*0.102*	*5.496*	*24.217*	*89.132*
commodity futures	*73.074*	*53.385*	*48.815*	*60.710*	*47.537*
commodity options	*0.851*	*0.563*	*0.168*	*0.361*	*0.219*
other commodity derivatives	*0.312*	*0.050*	*0.140*	*0.026*	*0*

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities[1]					
Total number of clearing members	92	88	80	79	70
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*26*	*26*	*23*	*22*	*23*
other	*66*	*62*	*57*	*57*	*47*
Number of domestic clearing members	92	88	80	79	70
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*26*	*26*	*23*	*22*	*23*
other	*66*	*62*	*57*	*57*	*47*
Number of foreign clearing members	nap	nap	nap	nap	nap
BmfBovespa-Derivatives[1]					
Total number of clearing members	82	74	70	69	58
central bank[2]	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*30*	*28*	*27*	*28*	*29*
other	*51*	*45*	*42*	*40*	*28*
Number of domestic clearing members	82	74	70	69	58
central bank[2]	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*30*	*28*	*27*	*28*	*29*
other	*51*	*45*	*42*	*40*	*28*
Number of foreign clearing members	nap	nap	nap	nap	nap
BmfBovespa-Securities[1]					
Total number of clearing members	64	62	58	54	43
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*28*	*27*	*26*	*24*	*22*
other	*36*	*35*	*32*	*30*	*21*
Number of domestic clearing members	64	62	58	54	43
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*28*	*27*	*26*	*24*	*22*
other	*36*	*35*	*32*	*30*	*21*
Number of foreign clearing members	nap	nap	nap	nap	nap

For the footnotes, see the end of the table.

Table 19 (cont)

	2011	2012	2013	2014	2015
CETIP					
Total number of clearing members	567	558	598	699	700
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*165*	*165*	*174*	*185*	*185*
other	*401*	*392*	*423*	*513*	*514*
Number of domestic clearing members	567	558	598	699	700
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*165*	*165*	*174*	*185*	*185*
other	*401*	*392*	*423*	*513*	*514*
Number of foreign clearing members	nap	nap	nap	nap	nap

[1] Figures prior to 2010 cannot be broken down according to the nature of participants (banks, other). [2] Time series revised. In previous publications, the central bank was not considered a clearing member. However the central Bank must now be considered as such because of one monetary policy instrument (FX swaps) that is cleared at BM&FBovespa.

Table 20

Number of contracts and transactions cleared

(thousands, total for the year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities					
Total number of contracts and transactions cleared[1]	142,408.1	193,086.2	220,600.2	228,132.5	244,845.8
Number of securities transactions cleared	119,817.7	161,755.0	193,492.4	203,848.4	230,217.8
debt securities	3.2	3.0	2.5	2.0	1.9
bonds	*3.2*	*3.0*	*2.5*	*2.0*	*1.9*
equity	118,724.8	160,398.9	191,511.5	201,405.7	224,808.5
other	1,089.8	1,353.2	1,978.4	2,440.7	5,407.4
of which: number of repurchase transactions cleared	*1,417.8*	*1,313.4*	*1,693.2*	*1,518.4*	*1,519.4*
equity	1,417.8	1,313.4	1,693.2	1,518.4	1,519.4
Number of exchange-traded derivatives contracts cleared	22,590.4	31,331.1	27,107.8	24,284.1	14,628.1
financial futures	*286.3*	*238.9*	*193.4*	*147.4*	*118.5*
financial options	*22,304.1*	*31,092.3*	*26,914.4*	*24,136.7*	*14,509.6*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
BmfBovespa-Derivatives					
Total number of contracts and transactions cleared[1]	671,977.7	712,342.2	703,202.5	637,526.9	701,326.3
Number of securities transactions cleared	nap	nap	nap	nap	nap
Number of exchange-traded derivatives contracts cleared	669,060.2	710,085.6	700,711.0	634,527.7	696,529.7
financial futures	*596,952.2*	*591,436.8*	*647,534.1*	*579,790.6*	*659,356.0*
financial options	*68,783.9*	*115,888.2*	*50,827.1*	*52,007.2*	*34,733.7*
other financial derivatives	*28.6*	*1.0*	*48.6*	*193.1*	*523.5*
commodity futures	*2,261.2*	*2,034.9*	*1,970.0*	*2,175.6*	*1,534.2*
commodity options	*1,020.1*	*722.9*	*325.4*	*360.3*	*382.3*
other commodity derivatives	*14.1*	*1.8*	*5.7*	*1.0*	*0*
Number of OTC derivatives contracts cleared	2,917.5	2,256.6	2,491.5	2,999.2	4,796.6
financial futures	*nap*	*nap*	*nap*	*nap*	*nap*
financial options	*862.0*	*270.2*	*993.1*	*583.0*	*700.8*
other financial derivatives	*2,055.5*	*1,986.4*	*1,498.5*	*2,416.2*	*4,095.8*
commodity futures	*nap*	*nap*	*nap*	*nap*	*nap*
commodity options	*nap*	*nap*	*nap*	*nap*	*nap*
other commodity derivatives	*nav*	*nav*	*nav*	*nav*	*nav*

For the footnotes, see the end of the table.

Table 20 (cont)

	2011	2012	2013	2014	2015
BmfBovespa-Securities					
Total number of contracts and transactions cleared	1.116	0.234	0.052	0.001	0
Number of securities transactions cleared	1.116	0.234	0.052	0.001	0
debt securities	1.116	0.234	0.052	0.001	0
government bonds	*1.116*	*0.234*	*0.052*	*0.001*	*0*
of which: number of repurchase transactions cleared	*0.862*	*0.204*	*0.010*	*0.001*	*0*
debt securities	*0.862*	*0.204*	*0.010*	*0.001*	*0*
government bonds	0.862	0.204	*0.010*	*0.001*	*0*
Number of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
CETIP					
Total number of contracts and transactions cleared	34,897.2	30,473.7	86,045.9	116,942.4	310,380.6
Number of securities transactions cleared	34,218.5	29,913.3	85,432.0	116,391.2	309,817.7
debt securities	34,218.5	29,913.3	85,432.0	116,391.2	309,817.7
short-term paper	*3,196.2*	*2,665.3*	*3,073.3*	*3,810.4*	*19,234.2*
bonds	*30,969.6*	*27,208.0*	*82,323.5*	*112,554.2*	*290,562.2*
government bonds	*52.7*	*40.0*	*35.2*	*26.5*	*21.3*
of which: number of repurchase transactions cleared	*1,904.7*	*2,675.1*	*62,461.2*	*92,152.1*	*120,314.5*
debt securities	*1,904.7*	*2,675.1*	*62,461.2*	*92,152.1*	*120,314.5*
short-term paper	*1.0*	*2.9*	*3.2*	*2.3*	*2.1*
bonds	*1,898.6*	*2,670.8*	*62,457.9*	*92,149.8*	*120,312.5*
government bonds	*5.1*	*1.4*	*0.1*	*0.1*	*0.0*
Number of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Number of OTC derivatives contracts cleared	678.7	560.4	613.9	551.2	562.9
financial futures	*nap*	*nap*	*nap*	*nap*	*nap*
financial options	*nap*	*nap*	*nap*	*nap*	*nap*
other financial derivatives	*678.7*	*560.4*	*613.9*	*551.2*	*562.9*

[1] Exchange-traded transactions in the vast majority.

Table 21

Value of contracts and transactions cleared

(BRL billions, total for the year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities					
Total value of contracts and transactions cleared[1]	2,370.67	2,599.78	2,894.75	2,560.26	2,417.31
Value of securities transactions cleared	2,272.48	2,505.45	2,814.93	2,482.02	2,359.41
debt securities	0.94	2.19	1.08	1.26	1.78
bonds	*0.94*	*2.19*	*1.08*	*1.26*	*1.78*
equity	2,254.04	2,456.82	2,768.14	2,438.35	2,291.69
other	17.50	46.45	45.70	42.41	65.94
of which: value of repurchase transactions cleared	*732.75*	*785.93*	*785.93*	*735.02*	*665.73*
equity	*732.75*	*785.93*	*785.93*	*735.02*	*665.73*
Value of exchange-traded derivatives contracts cleared	98.19	94.33	79.82	78.24	57.90
financial futures	*29.39*	*25.43*	*57.12*	*57.82*	*16.37*
financial options	*68.80*	*68.90*	*22.70*	*20.42*	*41.53*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
BmfBovespa-Derivatives					
Total value of contracts and transactions cleared[1]	46,501.65	48,527.20	54,789.76	47,464.85	60,258.99
Value of securities transactions cleared	nap	nap	nap	nap	nap
Value of exchange-traded derivatives contracts cleared	46,338.81	48,410.74	54,517.21	47,239.80	59,937.82
financial futures	*45,674.60*	*48,261.44*	*54,403.35*	*47,122.97*	*59,755.63*
financial options	*587.60*	*95.20*	*59.24*	*31.51*	*45.30*
other financial derivatives	*2.37*	*0.10*	*5.50*	*24.22*	*89.13*
commodity futures	*73.07*	*53.39*	*48.82*	*60.71*	*47.54*
commodity options	*0.85*	*0.56*	*0.17*	*0.36*	*0.22*
other commodity derivatives	*0.31*	*0.05*	*0.14*	*0.03*	*0*
Value of OTC derivatives contracts cleared	162.85	116.46	272.55	225.05	321.17
financial futures	*nap*	*nap*	*nap*	*nap*	*nap*
financial options	*60.07*	*17.14*	*197.62*	*104.24*	*116.38*
other financial derivatives	*102.78*	*99.32*	*74.92*	*120.81*	*204.79*
BmfBovespa-Securities					
Total value of contracts and transactions cleared	260.35	40.13	3.85	0.02	0
Value of securities transactions cleared	260.35	40.13	3.85	0.02	0
debt securities	260.35	40.13	3.85	0.02	0
government bonds	*260.35*	*40.13*	*3.85*	*0.02*	*0*
of which: value of repurchase transactions cleared	*255.22*	*39.41*	*2.90*	*0.02*	*0*
debt securities	*255.22*	*39.41*	*2.90*	*0.02*	*0*
government bonds	*255.22*	*39.41*	*2.90*	*0.02*	*0*
Value of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

For the footnotes, see the end of the table.

Table 21 (cont)

	2011	2012	2013	2014	2015
CETIP					
Total value of contracts and transactions cleared	17,229.25	17,558.57	20,290.28	21,439.57	27,601.81
Value of securities transactions cleared	17,144.32	17,429.20	19,983.55	20,587.60	25,884.00
debt securities	17,144.32	17,429.20	19,983.55	20,587.60	25,884.00
short-term paper	*11,206.71*	*8,810.33*	*8,824.39*	*8,696.01*	*10,879.06*
bonds	*5,923.07*	*8,609.67*	*11,153.74*	*11,884.31*	*14,997.93*
government bonds	*14.54*	*9.21*	*5.43*	*7.28*	*7.02*
equity	nap	nap	nap	nap	nap
of which: value of repurchase transactions cleared	*1,284.95*	*2,474.53*	*4,287.89*	*4,990.23*	*6,528.31*
debt securities	*1,284.95*	*2,474.53*	*4,287.89*	*4,990.23*	*6,528.31*
short-term paper	*10.69*	*18.06*	*23.49*	*23.01*	*23.33*
bonds	*1,273.85*	*2,456.30*	*4,264.38*	*4,967.21*	*6,504.97*
government bonds	*0.41*	*0.17*	*0.01*	*0.01*	*0.01*
equity	*nap*	*nap*	*nap*	*nap*	*nap*
Value of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Value of OTC derivatives contracts cleared	84.92	129.37	306.72	851.97	1,717.80
financial futures	*nap*	*nap*	*nap*	*nap*	*nap*
financial options	*nap*	*nap*	*nap*	*nap*	*nap*
other financial derivatives	*84.92*	*129.37*	*306.72*	*851.97*	*1,717.80*

[1] Exchange-traded transactions in the vast majority.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities					
Total number of participants	201	201	201	193	193
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*44*	*46*	*47*	*45*	*66*
other	*157*	*155*	*154*	*148*	*127*
Number of domestic participants	201	201	201	193	193
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*44*	*46*	*47*	*45*	*66*
other	*157*	*155*	*154*	*148*	*127*
Number of foreign participants	0	0	0	0	0
CETIP					
Total number of participants	567	558	598	699	700
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*165*	*165*	*174*	*185*	*185*
other	*401*	*392*	*423*	*513*	*514*
Number of domestic participants	567	558	598	699	700
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*165*	*165*	*174*	*185*	*185*
other	*401*	*392*	*423*	*513*	*514*
Number of foreign participants	nap	nap	nap	nap	nap
SELIC					
Total number of participants[1]	514	499	497	486	484
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)[2]	*4*	*4*	*4*	*4*	*4*
central securities depositories	*1*	*1*	*1*	*1*	*1*
banks	*173*	*167*	*164*	*163*	*164*
other	*335*	*326*	*327*	*317*	*314*
Number of domestic participants[1]	514	499	497	486	484
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)[2]	*4*	*4*	*4*	*4*	*4*
central securities depositories	*1*	*1*	*1*	*1*	*1*
banks	*173*	*167*	*164*	*163*	*164*
other	*335*	*326*	*327*	*317*	*314*
Number of foreign participants	nap	nap	nap	nap	nap

[1] Due to a change in the account holding structure, the number of direct participants decreased sharply from 2010. [2] Brazil has a single CCP, but each system it operates is considered a Selic participant.

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities					
Total number of securities held	1.21	1.26	1.30	1.32	1.34
debt securities	0.14	0.14	0.15	0.16	0.16
bonds	*0.14*	*0.14*	*0.15*	*0.16*	*0.16*
equity	1.08	1.12	1.15	1.16	1.17
CETIP					
Total number of securities held	2,861.52	2,523.52	2,695.42	3,272.04	7,430.12
debt securities	2,861.52	2,523.52	2,695.42	3,272.04	7,430.12
short-term paper	*220.05*	*160.68*	*256.34*	*358.10*	*616.97*
bonds	*2,641.46*	*2,362.84*	*2,439.07*	*2,913.94*	*6,813.15*
SELIC					
Total number of securities held[1]	0.531	0.448	0.368	0.388	0.359
debt securities	0.531	0.448	0.368	0.388	0.359
short-term paper	*0.003*	*0.003*	*0.002*	*0.003*	*0.002*
bonds	*0.528*	*0.445*	*0.366*	*0.385*	*0.357*

[1] Government securities exclusively.

Table 24

Value of securities held on accounts at CSDs

(BRL billions, end of year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities					
Total value of securities held	1,106.08	1,233.38	1,087.37	1,109.86	946.32
debt securities	4.73	4.65	3.86	4.52	7.34
bonds	*4.73*	*4.65*	*3.86*	*4.52*	*7.34*
equity	1,101.35	1,228.72	1,083.52	1,105.34	938.98
CETIP					
Total value of securities held	3,181.96	3,454.41	3,768.62	4,138.98	4,442.84
debt securities	3,181.96	3,454.41	3,768.62	4,138.98	4,442.84
short-term paper	*1,347.88*	*184.29*	*547.92*	*1,032.88*	*713.73*
bonds	*1,834.08*	*3,270.12*	*3,220.69*	*3,106.10*	*3,729.11*
SELIC					
Total value of securities held[1]	2,635.14	2,927.44	3,073.39	3,445.29	4,184.43
debt securities	2,635.14	2,927.44	3,073.39	3,445.29	4,184.43
short-term paper	*21.97*	*35.35*	*67.25*	*73.48*	*112.67*
bonds	*2,613.18*	*2,892.10*	*3,006.14*	*3,371.81*	*4,071.77*

[1] Government securities exclusively.

Table 25

Number of delivery instructions processed

(thousands, total for the year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities					
Total number of delivery instructions[1]	16,994.28	18,887.04	20,932.08	19,160.37	18,000.97
DVP	9,699.31	9,876.83	10,348.45	8,935.80	8,656.86
debt securities	5.60	11.67	5.14	4.86	6.17
bonds	*5.60*	*11.67*	*5.14*	*4.86*	*6.17*
equity	9,693.71	9,865.16	10,343.31	8,930.94	8,650.69
free of payment	7,294.97	9,010.22	10,583.62	10,224.57	9,344.11
debt securities	4.13	2.17	5.06	5.79	2.53
bonds	*4.13*	*2.17*	*5.06*	*5.79*	*2.53*
equity	7,290.84	9,008.05	10,578.56	10,218.79	9,341.57
CETIP					
Total number of delivery instructions[1]	34,897.18	30,473.66	86,010.71	116,942.35	309,817.67
DVP	34,897.18	30,473.66	86,010.71	116,942.35	309,817.67
debt securities	34,897.18	30,473.66	86,010.71	116,942.35	309,817.67
short-term paper	*2,683.59*	*3,575.88*	*3,419.04*	*4,158.13*	*19,483.96*
bonds	*32,213.59*	*26,897.78*	*82,591.67*	*112,784.22*	*290,333.71*
free of payment	nav	nav	nav	nav	nav
SELIC					
Total number of delivery instructions	3,372.629	3,638.049	3,966.064	3,949.710	4,139.848
DVP	3,181.767	3,442.305	3,834.014	3,809.256	3,978.342
debt securities	3,181.767	3,442.305	3,834.014	3,809.256	3,978.342
short-term paper	*0.004*	*0*	*0*	*0*	*0*
bonds	*3,181.763*	*3,442.305*	*3,834.014*	*3,809.256*	*3,978.342*
free of payment	190.862	195.744	132.050	140.454	161.506
debt securities	190.862	195.744	132.050	140.454	161.506
bonds	*190.862*	*195.744*	*132.050*	*140.454*	*161.506*

[1] DVP transactions in the vast majority.

Table 26

Value of delivery instructions processed

(BRL billions, total for the year)

	2011	2012	2013	2014	2015
BmfBovespa-Equities					
Total value of delivery instructions[1]	3,965.2	5,323.8	5,816.5	5,601.3	4,996.1
DVP	892.1	992.8	1,052.7	966.7	897.7
debt securities	0.7	1.8	0.8	0.6	1.7
bonds	*0.7*	*1.8*	*0.8*	*0.6*	*1.7*
equity	891.4	991.0	1,051.9	966.1	896.0
free of payment	3,073.1	4,331.0	4,763.7	4,634.6	4,098.4
debt securities	5.0	1.9	0.9	0.8	8.5
bonds	*5.0*	*1.9*	*0.9*	*0.8*	*8.5*
equity	3,068.1	4,329.1	4,762.8	4,633.8	4,089.8
CETIP					
Total value of delivery instructions[1]	17,229.2	17,558.6	20,290.3	21,439.6	25,884.0
DVP	17,229.2	17,558.6	20,290.3	21,439.6	25,884.0
debt securities	17,229.2	17,558.6	20,290.3	21,439.6	25,884.0
short-term paper	*7,298.3*	*8,867.6*	*9,142.7*	*9,453.3*	*12,320.9*
bonds	*9,930.9*	*8,691.0*	*11,147.6*	*11,986.3*	*13,563.1*
free of payment	nav	nav	nav	nav	nav
SELIC					
Total value of delivery instructions	298,296.7	360,200.0	521,691.2	624,174.3	698,225.3
DVP	295,095.3	356,624.9	516,481.6	619,793.9	692,793.7
debt securities	295,095.3	356,624.9	516,481.6	619,793.9	692,793.7
short-term paper	*0.017*	*0*	*0*	*0*	*0*
bonds	*295,095.2*	*356,624.9*	*516,481.6*	*619,793.9*	*692,793.7*
free of payment	3,201.5	3,575.0	5,209.6	4,380.3	5,431.6
debt securities	3,201.5	3,575.0	5,209.6	4,380.3	5,431.6
bonds	*3,201.5*	*3,575.0*	*5,209.6*	*4,380.3*	*5,431.6*

[1] DVP transactions in the vast majority.

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	34,302	34,697	35,102	35,496	35,821
GDP (CAD billions)[2]	1,808.6	1,839.6	1,918.3	1,992.6	1,991.6
GDP per capita (CAD)[2]	52,726	53,019	54,651	56,137	55,600
Consumer price inflation (%)[1]	2.9	1.5	0.9	1.9	1.1
Exchange rate (CAD/USD):					
end of year[3]	*1.0170*	*0.9949*	*1.0636*	*1.1601*	*1.3840*
average[4]	*0.9891*	*0.9996*	*1.0299*	*1.1045*	*1.2787*

[1] Yearly average. [2] Data have been revised from previous editions. [3] Closing spot rate for the year. [4] Average noon spot rate for the year.

Table 2

Settlement media used by non-banks[1]

(CAD billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks	59.90	62.22	65.54	69.44	74.64
Value of transferable deposits	550.58	598.45	654.81	699.40	757.12
Narrow money supply[2]	610.47	660.67	720.35	768.84	831.76
Memo:					
Transferable deposits in foreign currencies[3]	74.46	87.86	95.32	113.34	140.53
Outstanding value on e-money storage	nav	nav	nav	nav	nav

[1] Data have been revised from previous editions to reflect a change in reporting methodology. [2] M1+(gross) equals currency in circulation outside banks plus all Canadian dollar chequable deposits held at chartered banks, trust and loan companies, credit unions and caisses populaires (excl deposits of these institutions). [3] Not included in definition of narrow money.

Table 3

Settlement media used by banks

(CAD billions, average for December)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	0.025	0.063	0.187	0.176	0.707
required reserves	*nap*	*nap*	*nap*	*nap*	*nap*
free reserves	*0.025*	*0.063*	*0.187*	*0.176*	*0.707*
Transferable balances held at other banks[1]	1.933	1.886	2.018	1.894	2.458
Memo:					
Credit extended by the central bank:					
intraday[2]	*0*	*0*	*0*	*0*	*0*
overnight[3]	*0*	*0.012*	*0*	*0*	*0.008*
longer refinancing operations[4]	*0.520*	*0.692*	*0.848*	*1.397*	*4.718*

[1] Data have been revised from previous editions to reflect a change in reporting methodology. [2] Collateral associated with the operation of the LVTS (Canada's large-value payment system) is pledged to the Bank of Canada at the beginning of each day and is used to cover any participant's permitted negative funds positions during the day. [3] Advances to the members of the Canadian Payments Association (CPA), made at the end of the day to facilitate settlement in the LVTS; these advances are to be paid back on the following business day with interest. [4] Securities purchased under resale agreements.

Table 4

Banknotes and coin

(CAD billions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	66.446	69.238	72.241	75.757	81.355
Total banknotes issued	61.029	63.700	66.616	70.024	75.497
CAD 1,000	*0.946*	*0.898*	*0.858*	*0.825*	*0.795*
CAD 100	*31.706*	*32.742*	*35.039*	*37.324*	*41.032*
CAD 50	*9.516*	*10.145*	*10.744*	*11.234*	*12.018*
CAD 20	*16.479*	*17.202*	*17.230*	*17.801*	*18.729*
CAD 10	*1.100*	*1.204*	*1.264*	*1.276*	*1.315*
CAD 5	*0.901*	*1.131*	*1.103*	*1.188*	*1.232*
CAD 2 [1]	*0.213*	*0.212*	*0.211*	*0.210*	*0.210*
CAD 1 [2]	*0.154*	*0.153*	*0.153*	*0.153*	*0.152*
other [3]	*0.013*	*0.013*	*0.013*	*0.013*	*0.013*
Total coin issued	5.417	5.538	5.625	5.733	5.858
Banknotes and coin held by banks[4]	6.548	7.014	6.702	6.319	6.716
Banknotes and coin in circulation outside banks[4]	59.898	62.224	65.539	69.438	74.639

[1] The CAD 2 banknote was replaced by the CAD 2 coin in 1996. [2] The CAD 1 banknote was replaced by the CAD 1 coin in 1987. [3] Includes the banknotes previously issued by chartered banks, the Dominion of Canada, provinces, defunct banks, as well as the CAD 25 and 500 notes. All of these notes are out of print. [4] Data have been revised from previous editions to reflect a change in reporting methodology.

Table 5

Institutions offering payment services to non-banks[1]

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices[2]	1	1	1	1	1
Number of accounts, non-banks[3]	3	3	3	3	3
Value of accounts (CAD billions), all[3]	0.025	0.063	0.187	0.176	0.707
Memo:					
Number of accounts, all[3]	15	15	15	15	16
Number of accounts, banks[3]	12	12	12	12	13
Banks					
Number of institutions[4]	75	76	76	77	75
Number of branches or offices	6,867	6,987	7,039	7,064	7,041
Number of accounts	nav	nav	nav	nav	nav
Value of accounts (CAD billions)	513.56	546.74	602.17	622.61	673.62
Domestic banks					
Number of institutions	22	22	24	24	23
Number of branches or offices	6,609	6,732	6,788	6,807	6,783
Value of accounts (CAD billions)	468.64	517.93	570.16	588.39	634.31
Foreign bank subsidiaries					
Number of institutions	25	25	23	23	23
Number of branches or offices	227	223	220	222	224
Value of accounts (CAD billions)	36.89	20.22	21.16	21.85	24.25
Foreign bank branches					
Number of institutions	28	29	29	30	29
Number of branches or offices	31	32	31	35	34
Value of accounts (CAD billions)	8.02	8.59	10.86	12.38	15.05

For the footnotes, see the end of the table.

Table 5 (cont)

	2011	2012	2013	2014	2015
Other institutions offering payment services to non-banks					
Number of institutions	860	805	752	726	687
Number of branches or offices	nav	nav	nav	nav	nav
Number of accounts	nav	nav	nav	nav	nav
Value of accounts (CAD billions)	80.94	78.00	83.56	91.95	99.87
Local credit unions and caisses populaires					
Number of institutions	826	771	724	694	654
Number of branches or offices	3,162	3,117	3,031	2,972	2,914
Value of accounts (CAD billions)	70.87	69.39	73.38	76.05	82.52
Trust and loan companies[5]					
Number of institutions	33	33	27	31	32
Number of branches or offices	nav	nav	nav	nav	nav
Value of accounts (CAD billions)	1.06	1.04	0.79	0.86	0.87
Governmental savings institutions					
Number of institutions	1	1	1	1	1
Number of branches or offices	170	170	171	171	172
Value of accounts (CAD billions)[6]	9.01	7.58	9.39	15.03	16.48
Institutions offering payment services to non-banks (total)					
Number of institutions	936	882	829	804	763
Number of branches or offices	nav	nav	nav	nav	nav
Number of accounts held by non-banks	nav	nav	nav	nav	nav
Value of accounts held by non-banks (CAD billions)[7]	594.52	624.80	685.92	714.74	774.19
Memo:					
Electronic money institutions					
Number of institutions	nav	nav	nav	nav	nav
Outstanding value on e-money storages issued by e-money institutions	nav	nav	nav	nav	nav

[1] Data have been revised from previous editions to reflect a change in reporting methodology. [2] There are five regional offices and two Agency Operations Centres but only the head office offers payment services. [3] Figures represent the number of accounts held at the Bank of Canada by CPA members for the settlement of the LVTS. [4] Some foreign bank subsidiaries and foreign bank branches are associated with the same parent bank. For the purposes of this table, each institution is recorded separately. [5] Only those companies that are federally regulated and are not bank-owned are included. [6] The large increase in 2014 reflects a change in reporting methodology to include notice deposits in addition to demand deposits. [7] Includes value of accounts held at the central bank by banks and non-banks.

Table 6

Payment card functions and accepting devices

(thousands, end of year)

	2011	2012	2013	2014	2015
Cards issued in the country					
Cards with a cash function	nav	nav	nav	nav	nav
Cards with a debit function[1]	23,300.00	23,600.00	23,900.00	25,000.00	24,800.00
Cards with a delayed debit function	nap	nap	nap	nap	nap
Cards with a credit function[2]	78,796.16	78,439.03	81,127.26	76,581.34	72,066.52
Cards with an e-money function	nav	nav	nav	nav	nav
of which: cards with an e-money function which have been loaded at least once	*nav*	*nav*	*nav*	*nav*	*nav*
Total number of cards (irrespective of the number of functions on the card)	nav	nav	nav	nav	nav
Memo:					
Retailer cards[3]	7,897.64	7,020.83	6,116.58	5,756.51	2,332.13
Terminals located in the country					
ATMs[4]	60.00	59.10	65.00	65.99	66.43
ATMs with a cash withdrawal function[4, 5]	*60.00*	*59.10*	*65.00*	*65.99*	*66.43*
ATMs with a credit transfer function[4, 6]	*17.59*	*16.88*	*18.58*	*18.78*	*18.71*
POS terminals[7]	740.00	794.00	829.00	879.00	1,301.40
of which: EFTPOS terminals	*740.00*	*794.00*	*829.00*	*879.00*	*1,301.40*
E-money card terminals	nav	nav	nav	nav	nav
e-money card loading/unloading terminals	*nav*	*nav*	*nav*	*nav*	*nav*
e-money card payment terminals	*nav*	*nav*	*nav*	*nav*	*nav*

[1] Only cards that are actively used to make purchases at POS terminals have been reported. [2] The decrease in 2014 reflects a change in reporting methodology by one issuer. [3] Number of accounts has been reported. [4] Data have been revised from previous editions to reflect a change in reporting methodology. [5] Number of ATMs on the Interac network is reported. [6] Credi transfer functions are, for the most part, limited to proprietary ATMs. Access to the credit transfer functions on these ATMs is restricted to the clients of the associated proprietary institution. ATMs are reported for eight of the largest banks operating in Canada. [7] Figures represent those terminals with at least a debit function and do not include terminals that only have a credit function; includes both shared and proprietary networks. The increase in 2015 reflects a change in the estimation methodology of unique EFTPOS terminals.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions[1]
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[2]	1,043.72	1,136.01	1,225.35	1,262.43	1,317.64
paper-based[2, 3]	*10.63*	*8.60*	*7.45*	*5.86*	*4.01*
non-paper-based[2, 4]	*1,033.10*	*1,127.41*	*1,217.90*	*1,256.57*	*1,313.62*
Direct debits[2]	673.77	699.27	728.37	762.32	791.34
Card payments with cards issued in the country	7,227.24	7,484.81	8,099.24	8,796.76	9,241.87
payments by cards with a debit function	*4,143.00*	*4,357.31*	*4,518.93*	*4,899.00*	*5,169.00*
payments by cards with a delayed debit function	*nap*	*nap*	*nap*	*nap*	*nap*
payments by cards with a credit function	*3,084.24*	*3,127.50*	*3,580.31*	*3,897.76*	*4,072.87*
E-money payment transactions	nav	nav	nav	nav	nav
Cheques[2]	870.86	805.45	761.14	708.86	648.21
Other payment instruments	nap	0.71	0.73	0.54	0.48
Total number of transactions with payment instruments	9,815.59	10,126.26	10,814.82	11,530.92	11,999.53
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions[5]	817.62	797.89	751.24	713.72	682.76
ATM withdrawals[5]	*605.99*	*573.40*	*558.26*	*531.47*	*510.04*
ATM deposits[5]	*211.63*	*224.50*	*192.98*	*182.25*	*172.72*
POS payment transactions[6]	7,227.24	7,484.81	8,099.24	8,796.76	9,241.87
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav

[1] Data have been revised from previous editions to reflect a change in reporting methodology. [2] Includes transactions cleared by the Automated Clearing Settlement System (ACSS); excludes on-us transactions. [3] Bill payments initiated at ATMs and bank tellers. [4] Includes bill payments initiated over the telephone or internet, Automatic Funds Transfer (AFT) credits, and corporate-to-corporate credit via EDI. [5] Transactions are reported for eight of the largest banks operating in Canada. Values include on-us transactions. [6] Figures for POS transactions involving cards with a credit function represent the volume of transactions for cards issued in Canada and include transactions conducted at terminals in other countries.

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions[1]
(CAD billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[2]	1,774.50	2,043.93	2,241.87	2,420.70	2,570.25
paper-based[2, 3]	*11.23*	*10.29*	*11.07*	*10.81*	*7.86*
non-paper-based[2, 4]	*1,763.27*	*2,033.65*	*2,230.80*	*2,409.89*	*2,562.39*
Direct debits[2]	581.61	574.67	611.28	642.46	676.94
Card payments with cards issued in the country	513.76	546.12	570.93	614.70	632.87
payments by cards with a debit function[5]	*182.70*	*190.45*	*196.10*	*211.00*	*217.00*
payments by cards with a delayed debit function	*nap*	*nap*	*nap*	*nap*	*nap*
payments by cards with a credit function	*331.06*	*355.67*	*374.83*	*403.70*	*415.87*
E-money payment transactions	nav	nav	nav	nav	nav
Cheques[2]	2,933.44	2,990.64	2,935.19	2,977.47	2,997.65
Other payment instruments	nap	1.35	1.35	0.87	0.71
Total value of transactions with payment instruments	5,803.32	6,156.71	6,360.61	6,656.20	6,878.41
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	nav	nav	nav	nav	nav
ATM withdrawals	*nav*	*nav*	*nav*	*nav*	*nav*
ATM deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions[6]	513.76	546.12	570.93	614.70	632.87
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav

[1] Data have been revised from previous editions to reflect a change in reporting methodology. [2] Includes transactions cleared by the Automated Clearing Settlement System (ACSS); excludes on-us transactions. [3] Bill payments initiated at ATMs and bank tellers. [4] Includes bill payments initiated over the telephone or internet, Automatic Funds Transfer (AFT) credits and corporate-to-corporate credits via EDI. [5] Includes the value of cash-back transactions. [6] Figures for POS transactions involving cards with a credit function represent the value of transactions for cards issued in Canada and include transactions conducted at terminals in other countries.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
Large Value Transfer System (LVTS)					
Number of participants	87	89	90	84	82
Direct participants	16	16	16	16	17
Banks	12	12	12	12	13
Central bank	1	1	1	1	1
Other direct participants	3	3	3	3	3
General government	*nap*	*nap*	*nap*	*nap*	*nap*
Postal institution	*nap*	*nap*	*nap*	*nap*	*nap*
Clearing and settlement organisations	*nap*	*nap*	*nap*	*nap*	*nap*
Other financial institutions	*3*	*3*	*3*	*3*	*3*
Other	*nap*	*nap*	*nap*	*nap*	*nap*
Indirect participants	71	73	74	68	65
Retail payment systems					
Automated Clearing Settlement System (ACSS)					
Number of participants	126	122	117	123	123
Direct participants	12	12	12	12	12
Banks	8	8	8	8	8
Central bank	1	1	1	1	1
Other direct participants	3	3	3	3	3
General government	*nap*	*nap*	*nap*	*nap*	*nap*
Postal institution	*nap*	*nap*	*nap*	*nap*	*nap*
Clearing and settlement organisations	*nap*	*nap*	*nap*	*nap*	*nap*
Other financial institutions	*3*	*3*	*3*	*3*	*3*
Other	*nap*	*nap*	*nap*	*nap*	*nap*
Indirect participants	114	110	105	111	111
Interac e-Transfer					
Number of participants	nav	nav	nav	nav	258
Direct participants	nav	nav	nav	nav	nap
Indirect participants	nav	nav	nav	nav	nap

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions[1]
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
Large Value Transfer System					
Total transactions sent	6.61	7.03	7.58	7.92	8.09
credit transfers	*6.61*	*7.03*	*7.58*	*7.92*	*8.09*
Concentration ratio in terms of volume (%)	80.8	80.9	80.9	80.4	81.0
Retail payment systems					
Automated Clearing Settlement System[2]					
Total transactions sent	6,253.72	6,505.97	6,734.16	6,776.37	6,988.64
credit transfers[3]	*1,043.72*	*1,136.01*	*1,225.35*	*1,262.43*	*1,317.64*
direct debits[4]	*673.77*	*699.27*	*728.37*	*762.32*	*791.34*
card payments[5]	*3,431.99*	*3,636.91*	*3,799.85*	*3,833.52*	*4,025.98*
ATM transactions[6]	*233.38*	*227.61*	*218.73*	*208.70*	*199.61*
cheques	*870.86*	*805.45*	*761.14*	*708.86*	*653.60*
other payment instruments	*nap*	*0.71*	*0.72*	*0.54*	*0.48*
Concentration ratio in terms of volume (%)	86.4	79.9	85.8	89.2	85.9
Interac e-Transfer					
Total transactions sent	21.81	32.24	47.22	71.24	106.62
direct debits	*21.81*	*32.24*	*47.22*	*71.24*	*106.62*
Concentration ratio in terms of volume (%)	nav	nav	nav	nav	nav

[1] Figures exclude on-us transactions. [2] Data have been revised from previous editions to reflect a change in reporting methodology. [3] Bill payments initiated at ATMs, bank tellers, over the telephone or internet, AFT credits and EDI. [4] AFT debits and payments and refunds for goods and services initiated online. [5] POS debits and refunds. [6] Point of service disbursement of currency on shared networks.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions[1]
(CAD billions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
Large Value Transfer System					
Total transactions sent	39,565.8	38,171.0	37,609.4	38,652.8	43,026.2
credit transfers	*39,565.8*	*38,171.0*	*37,609.4*	*38,652.8*	*43,026.2*
Concentration ratio in terms of value (%)[2]	74.3	74.4	72.2	76.4	76.8
Retail payment systems					
Automated Clearing Settlement System[2]					
Total transactions sent	5,469.5	5,798.0	5,982.5	6,233.7	6,470.1
credit transfers[3]	*1,774.5*	*2,043.9*	*2,241.9*	*2,420.7*	*2,570.2*
direct debits[4]	*581.6*	*574.7*	*611.3*	*642.5*	*676.9*
card payments[5]	*153.2*	*161.0*	*167.1*	*166.9*	*170.4*
ATM transactions[6]	*26.7*	*26.4*	*25.7*	*25.3*	*24.9*
cheques	*2,933.4*	*2,990.6*	*2,935.2*	*2,977.5*	*3,027.0*
Concentration ratio in terms of value (%)	80.3	80.1	79.5	80.1	76.8
Interac e-Transfer					
Total transactions sent	9.2	13.5	20.4	30.9	44.7
direct debits	*9.2*	*13.5*	*20.4*	*30.9*	*44.7*
Concentration ratio in terms of value (%)	nav	nav	nav	nav	nav

[1] Figures exclude on-us transactions. [2] Data have been revised from previous editions to reflect a change in reporting methodology. [3] Bill payments initiated at ATMs, bank tellers, over the telephone or internet, AFT credits and EDI. [4] AFT debits and payments and refunds for goods and services initiated online. [5] POS debits and refunds. [6] Point of service disbursement of currency on shared networks.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	16	17	17	17	17
of which: live	*16*	*17*	*17*	*17*	*17*
Sub-members	37	38	37	38	39
of which: live	*37*	*37*	*37*	*38*	*38*
Participants	33	36	38	45	55
of which: live	*31*	*35*	*38*	*41*	*49*
Total users	86	91	92	100	111
of which: live	*84*	*89*	*92*	*96*	*104*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	72,586	70,554	71,979	75,588	79,091
of which:					
category I	*11,910*	*13,011*	*14,499*	*15,802*	*16,445*
category II	*6,083*	*6,391*	*7,084*	*7,557*	*7,783*
Total messages received	48,952	50,222	54,248	57,939	61,574
of which:					
category I	*13,184*	*14,316*	*15,917*	*16,965*	*17,965*
category II	*7,264*	*7,615*	*8,222*	*8,436*	*8,252*
Domestic traffic	12,000	12,630	14,761	15,457	15,849
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
TSX[1]					
Total number of participants	120	118	111	103	88
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	120	116	111	103	88
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign participants	nap	nap	nap	nap	nap
MX					
Total number of participants	91	87	91	87	86
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	52	47	46	42	44
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign participants	39	40	45	45	42
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
NGX					
Total number of participants	237	248	259	264	269
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav
ICE					
Total number of participants	nav	nav	nav	nav	nav

For the footnotes, see the end of the table.

Table 14 (cont)

	2011	2012	2013	2014	2015
CSE[2]					
Total number of participants	91	88	87	84	73
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	91	88	87	84	73
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign participants	nap	nap	nap	nap	nap
Alpha[3]					
Total number of participants	90	80	77	74	69
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav

[1] Data include statistics from The Toronto Stock Exchange (TSX) and the TSX Venture Exchange. [2] The Canadian Securities Exchange (CSE), formerly the Canadian National Stock Exchange (CNSX), was recognized as a stock exchange by the Ontario Securities Commission in May 2004. CSE also operates an alternative trading system in Canada called Pure Trading. Pure Trading is excluded from the CSE statistics. [3] Alpha ATS is a Canadian alternative trading system for equities listed in the Canadian capital markets. It commenced operations on 7 November 2008.

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
TSX[1]					
Total number of listed securities	4,237	4,254	4,156	4,016	3,776
debt securities	206	258	210	208	178
bonds	*206*	*258*	*210*	*208*	*178*
equity	3,938	3,971	3,886	3,761	3,559
other	93	74	61	47	39
MX					
Total number of listed securities	nap	nap	nap	nap	nap
NGX					
Total number of listed securities	nap	nap	nap	nap	nap
ICE					
Total number of listed securities	nap	nap	nap	nap	nap
CSE[2]					
Total number of listed securities	162	189	209	266	316
debt securities	18	18	18	18	18
bonds	*18*	*18*	*18*	*18*	*18*
equity	141	163	184	241	291
other	3	8	7	7	7
Alpha					
Total number of listed securities	nav	nav	nav	nav	nav

[1] Data include statistics from The Toronto Stock Exchange (TSX) and the TSX Venture Exchange - including data for issuers on NEX, a board established for issuers that have fallen below TSX Venture's listing standards (164 at end-2006, 162 at end-2007, 181 at end-2008, 197 at end-2009 and 181 at end-2010). Data have been revised from previous editions. [2] The Canadian Securities Exchange (CSE), formerly the Canadian National Stock Exchange (CNSX), was recognized as a stock exchange by the Ontario Securities Commission in May 2004. CSE also operates an alternative trading system in Canada called Pure Trading. Pure Trading is excluded from the CSE statistics.

Table 16

Market capitalisation of listed companies

(CAD billions, end of year)

	2011	2012	2013	2014	2015
TSX[1]					
Total market capitalisation/equity	1,947.1	2,050.0	2,245.9	2,425.1	2,207.0
MX					
Total market capitalisation/equity	nap	nap	nap	nap	nap
NGX					
Total market capitalisation/equity	nap	nap	nap	nap	nap
ICE					
Total market capitalisation/equity	nap	nap	nap	nap	nap
CSE[2]					
Total market capitalisation/equity	1.1	1.1	1.5	2.4	2.3
Alpha					
Total market capitalisation/equity	nav	nav	nav	nav	nav

[1] Data include statistics from The Toronto Stock Exchange (TSX) and the TSX Venture Exchange. Data have been revised from previous editions to reflect a change in methodology. [2] The Canadian Securities Exchange (CSE), formerly the Canadian National Stock Exchange (CNSX), was recognized as a stock exchange by the Ontario Securities Commission in May 2004. CSE also operates an alternative trading system in Canada called Pure Trading. Pure Trading is excluded from the CSE statistics.

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
TSX[1, 2]					
Total number of executed securities trades	223,273.5	186,086.8	174,377.2	203,482.5	217,696.0
debt securities	215.6	256.5	226.3	176.5	174.1
bonds	*215.6*	*256.5*	*226.3*	*176.5*	*174.1*
equity	222,801.0	185,692.6	174,041.6	203,195.2	217,490.2
other	256.9	137.7	109.4	110.8	31.7
Total number of executed derivatives trades	nap	nap	nap	nap	nap
MX[2]					
Total number of executed securities trades	nap	nap	nap	nap	nav
Total number of executed derivatives trades	61,775.0	64,364.7	66,269.9	69,987.5	76,672.2
financial futures	*32,942.6*	*34,940.8*	*40,902.8*	*44,420.1*	*45,368.4*
financial options	*28,832.5*	*29,423.9*	*25,367.1*	*25,567.3*	*31,303.8*
NGX					
Total number of executed securities trades	nap	nap	nap	nap	nap
Total number of executed derivatives trades	385.3	362.6	340.9	339.8	331.5
financial futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity options	*nap*	*nap*	*nap*	*nap*	*nap*
other commodity derivatives	*385.3*	*362.6*	*340.9*	*339.8*	*331.5*
ICE					
Total number of executed securities trades	nap	nap	nap	nap	nap
Total number of executed derivatives trades	4,754.5	5,039.2	5,688.3	5,676.3	5,746.0
commodity futures	*4,653.6*	*4,872.5*	*5,491.8*	*5,554.6*	*5,579.7*
commodity options	*100.9*	*166.7*	*196.5*	*121.7*	*166.3*
CSE[3]					
Total number of executed securities trades	45.2	55.7	48.1	208.1	189.7
debt securities	0.1	0.1	0.1	0.1	0.0
bonds	*0.1*	*0.1*	*0.1*	*0.1*	*0.0*
equity	44.9	54.9	48.0	208.0	189.7
other	0.3	0.8	0	0.0	0.0
Total number of executed derivatives trades	nap	nap	nap	nap	nap
Alpha[4]					
Total number of executed securities trades	73,831.8	64,348.6	55,278.3	61,349.4	44,039.5
debt securities	108.7	nav	nav	nav	nav
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	73,723.1	64,348.6	55,278.3	61,349.4	44,039.5
Total number of executed derivatives trades	nap	nap	nap	nap	nap

[1] Data include statistics from The Toronto Stock Exchange (TSX) and the TSX Venture Exchange. [2] Data have been revised from previous editions. [3] The Canadian Securities Exchange (CSE), formerly the Canadian National Stock Exchange (CNSX), was recognized as a stock exchange by the Ontario Securities Commission in May 2004. CSE also operates an alternative trading system in Canada called Pure Trading. Pure Trading is excluded from the CSE statistics. [4] Alpha ATS is a Canadian alternative trading system for equities listed in the Canadian capital markets. It commenced operations on 7 November 2008.

Table 18

Value of executed trades

(CAD billions, total for the year)

	2011	2012	2013	2014	2015
TSX[1]					
Total value of executed securities trades	1,522.72	1,216.12	1,160.89	1,275.73	1,316.30
debt securities	6.24	5.93	4.38	4.42	5.67
bonds	*6.24*	*5.93*	*4.38*	*4.42*	*5.67*
equity	1,515.50	1,209.73	1,156.28	1,271.08	1,310.58
other	0.99	0.46	0.23	0.23	0.05
Total value of executed derivatives trades	nap	nap	nap	nap	nap
MX					
Total value of executed securities trades	nap	nap	nap	nap	nav
Total value of executed derivatives trades	23,033.32	22,946.01	25,267.64	27,401.53	25,146.63
financial futures	*22,286.28*	*22,355.21*	*24,584.37*	*26,906.22*	*24,461.43*
financial options	*747.04*	*590.80*	*683.28*	*495.32*	*685.20*
NGX					
Total value of executed securities trades	nap	nap	nap	nap	nap
Total value of executed derivatives trades	33.18	16.83	29.04	34.13	14.94
financial futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity options	*nap*	*nap*	*nap*	*nap*	*nap*
other commodity derivatives	*33.18*	*16.83*	*29.04*	*34.13*	*14.94*
ICE					
Total value of executed securities trades	nap	nap	nap	nap	nap
Total value of executed derivatives trades	52.28	57.37	59.62	49.09	52.86
commodity futures	*52.25*	*57.33*	*59.57*	*49.06*	*52.82*
commodity options	*0.03*	*0.04*	*0.05*	*0.03*	*0.04*
CSE[2]					
Total value of executed securities trades	0.18	0.18	0.12	0.50	0.36
debt securities	0.00	0.00	0.01	0.00	0.03
bonds	*0.00*	*0.00*	*0.01*	*0.00*	*0.03*
equity	0.16	0.16	0.11	0.49	0.32
other	0.01	0.02	0	0.00	0.00
Total value of executed derivatives trades	nap	nap	nap	nap	nap
Alpha[3]					
Total value of executed securities trades	407.55	336.37	227.78	227.20	165.42
debt securities	1.17	nav	nav	nav	nav
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	406.38	336.37	227.78	227.20	165.42
Total value of executed derivatives trades	nap	nap	nap	nap	nap

[1] Data include statistics from The Toronto Stock Exchange (TSX) and the TSX Venture Exchange. Data have been revised from previous editions. [2] The Canadian Securities Exchange (CSE), formerly the Canadian National Stock Exchange (CNSX), was recognized as a stock exchange by the Ontario Securities Commission in May 2004. CSE also operates an alternative trading system in Canada called Pure Trading. Pure Trading is excluded from the CSE statistics. [3] Alpha ATS is a Canadian alternative trading system for equities listed in the Canadian capital markets. It commenced operations on 7 November 2008.

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
CDCC					
Total number of clearing members	37	40	37	34	36
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*4*	*4*	*3*	*3*	*3*
other	*33*	*36*	*34*	*31*	*33*
Number of domestic clearing members	37	40	37	34	36
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*4*	*4*	*3*	*3*	*3*
other	*33*	*36*	*34*	*31*	*33*
Number of foreign clearing members	nap	nap	nap	nap	nap
NGX					
Total number of clearing members	237	248	259	264	269
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic clearing members	nav	nav	nav	nav	nav
Number of foreign clearing members	nav	nav	nav	nav	nav
ICE					
Total number of clearing members	9	9	9	9	9
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic clearing members[1]	9	9	9	9	9
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign clearing members	nap	nap	nap	nap	nap

[1] All ICE members are Canadian corporations with offices in Canada, though some may be wholly owned subsidiaries of foreign corporations.

Table 20

Number of contracts and transactions cleared

(thousands, total for the year)

	2011	2012	2013	2014	2015
CDCC					
Total number of contracts and transactions cleared[1]	125,826.00	146,114.00	152,824.00	160,448.00	179,230.00
Number of securities transactions cleared	12,294.00	14,356.00	16,352.00	18,292.00	24,464.00
debt securities	10,002.00	12,334.00	14,670.00	nap	nap
bonds	*10,002.00*	*12,334.00*	*14,670.00*	*nap*	*nap*
equity	nap	nap	nap	nap	nap
other[2]	2,292.00	2,022.00	1,682.00	18,292.00	24,464.00
of which: number of repurchase transactions cleared	*nap*	*42.00*	*472.00*	*680.00*	*614.00*
Number of exchange-traded derivatives contracts cleared	112,818.00	128,730.00	132,540.00	140,100.00	153,530.00
financial futures	*61,138.00*	*69,882.00*	*81,806.00*	*88,956.00*	*90,920.00*
financial options	*51,680.00*	*58,848.00*	*50,734.00*	*51,144.00*	*62,610.00*
Number of OTC derivatives contracts cleared	714.00	3,028.00	3,932.00	2,056.00	1,236.00
financial options	*714.00*	*3,028.00*	*3,932.00*	*2,056.00*	*1,236.00*
NGX					
Total number of contracts and transactions cleared	781.38	735.19	694.19	694.59	679.72
Number of securities transactions cleared	nap	nap	nap	nap	nap
Number of exchange-traded derivatives contracts cleared	770.54	725.19	681.76	679.69	662.96
commodity futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity options	*nav*	*nav*	*nav*	*nav*	*nav*
other commodity derivatives	*770.54*	*725.19*	*681.76*	*679.69*	*662.96*
Number of OTC derivatives contracts cleared	10.84	10.00	12.43	14.90	16.76
commodity futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity options	*nav*	*nav*	*nav*	*nav*	*nav*
other commodity derivatives	*10.84*	*10.00*	*12.43*	*14.90*	*16.76*

For the footnotes, see the end of the table.

Table 20 (cont)

	2011	2012	2013	2014	2015
ICE					
Total number of contracts and transactions cleared	4,777.80	5,056.90	5,743.10	5,720.47	5,779.31
Number of securities transactions cleared	nap	nap	nap	nap	nap
Number of exchange-traded derivatives contracts cleared	4,777.80	5,056.90	5,743.10	5,720.47	5,779.31
commodity futures	*4,654.80*	*4,873.90*	*5,497.70*	*5,559.02*	*5,589.83*
commodity options	*123.00*	*183.00*	*245.40*	*161.45*	*189.48*
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

[1] Data have been revised from previous editions. [2] The large increase in 2014 reflects a change in reporting methodology.

Table 21

Value of contracts and transactions cleared

(CAD billions, total for the year)

	2011	2012	2013	2014	2015
CDCC[1]					
Total value of contracts and transactions cleared	nav	nav	nav	nav	nav
Value of securities transactions cleared	nav	nav	nav	nav	nav
of which: value of repurchase transactions cleared	*nap*	*1,838.24*	*8,057.36*	*10,502.75*	*10,494.05*
Value of exchange-traded derivatives contracts cleared	nav	nav	nav	nav	nav
financial futures	*nav*	*nav*	*nav*	*nav*	*nav*
financial options	*6.10*	*5.92*	*5.06*	*5.36*	*6.12*
Value of OTC derivatives contracts cleared	nav	nav	nav	nav	nav
financial futures	*nav*	*nav*	*nav*	*nav*	*nav*
financial options	*0.10*	*0.25*	*0.33*	*0.20*	*0.10*
NGX[2]					
Total value of contracts and transactions cleared	89.14	51.48	79.78	91.78	49.14
Value of securities transactions cleared	nap	nap	nap	nap	nap
Value of exchange-traded derivatives contracts cleared	66.36	33.66	58.07	68.26	29.87
commodity futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity options	*nav*	*nav*	*nav*	*nav*	*nav*
other commodity derivatives	*66.36*	*33.66*	*58.07*	*68.26*	*29.87*
Value of OTC derivatives contracts cleared	22.77	17.83	21.71	23.53	19.27
commodity futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity options	*nav*	*nav*	*nav*	*nav*	*nav*
other commodity derivatives	*22.77*	*17.83*	*21.71*	*23.53*	*19.27*
ICE					
Total value of contracts and transactions cleared	52.55	57.58	60.22	49.40	53.12
Value of securities transactions cleared	nap	nap	nap	nap	nap
Value of exchange-traded derivatives contracts cleared	52.55	57.58	60.22	49.40	53.12
commodity futures	*52.27*	*57.34*	*59.63*	*49.10*	*52.90*
commodity options	*0.28*	*0.24*	*0.59*	*0.30*	*0.22*
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

[1] Data have been revised from previous editions. [2] Dollar values for NGX are calculated using a weighted average price.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
CDS[1]					
Total number of participants	98	100	100	100	100
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*2*	*2*	*2*	*2*	*2*
central securities depositories	*3*	*3*	*3*	*3*	*3*
banks	*11*	*11*	*11*	*11*	*11*
other	*81*	*83*	*83*	*83*	*83*
Number of domestic participants	94	95	95	95	92
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*2*	*2*	*2*	*2*	*2*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*11*	*11*	*11*	*11*	*10*
other	*80*	*81*	*81*	*81*	*79*
Number of foreign participants	4	5	5	5	8
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*3*	*3*	*3*	*3*	*3*
banks	*0*	*0*	*0*	*0*	*1*
other	*1*	*2*	*2*	*2*	*4*

[1] CDS also offers central counterparty services through its Continuous Net Settlement (CNS) and FINet functions.

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
CDS					
Total number of securities held	78.25	78.17	76.76	75.36	75.15
debt securities	35.44	34.69	34.40	33.14	33.09
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	42.80	43.48	42.36	42.22	42.07

Table 24

Value of securities held on accounts at CSDs

(CAD billions, end of year)

	2011	2012	2013	2014	2015
CDS					
Total value of securities held	3,915.5	4,130.8	4,340.2	4,621.1	4,597.6
debt securities	2,348.9	2,486.5	2,535.5	2,669.9	2,798.3
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	1,566.7	1,644.2	1,804.7	1,951.2	1,799.3

Table 25

Number of delivery instructions processed

(thousands, total for the year)

	2011	2012	2013	2014	2015
CDS[1]					
Total number of delivery instructions	418,535.0	360,316.3	352,480.8	429,681.1	446,471.7
DVP	418,535.0	360,316.3	352,480.8	429,681.1	446,471.7
debt securities	4,444.3	4,902.6	5,914.6	6,063.9	5,883.7
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*2,822.7*	*2,764.5*
equity	414,090.6	355,413.7	346,566.2	423,617.2	440,588.0
other	nav	nav	nav	nav	nav

[1] Data have been revised from previous editions.

Table 26

Value of delivery instructions processed

(CAD billions, total for the year)

	2011	2012	2013	2014	2015
CDS[1, 2]					
Total value of delivery instructions	91,069.1	92,722.7	116,144.7	122,243.7	125,294.6
DVP	91,069.1	92,722.7	116,144.7	122,243.7	125,294.6
debt securities	85,541.8	87,983.5	111,201.0	116,585.3	119,299.6
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*78,254.6*	*78,077.2*
equity	5,527.3	4,739.2	4,943.7	5,658.4	5,995.0
other	nav	nav	nav	nav	nav

[1] Data have been revised from previous editions. [2] Where transactions were denominated in US dollars, the average annual exchange rate was used in converting to Canadian dollars.

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (millions)[1]	1,343.5	1,350.7	1,360.7	1,367.8	1,374.6
GDP (CNY billions)	47,156.4	51,932.2	56,884.5	63,646.3	67,670.8
GDP per capita (CNY)	35,099	38,449	41,805	46,531	49,229
Consumer price inflation (%)[1]	5.4	2.6	2.6	2.0	1.0
Exchange rate (CNY/USD):					
end of year	*6.3010*	*6.2860*	*6.0970*	*6.1190*	*6.4940*
average	*6.4610*	*6.3130*	*6.1930*	*6.1430*	*6.2280*

[1] Yearly average.

Table 2

Settlement media used by non-banks

(CNY billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks	nav	nav	nav	nav	nav
Value of transferable deposits[1]	23,909.9	25,400.4	27,871.7	28,779.7	33,773.7
Narrow money supply (M1)[2]	28,984.8	30,867.3	33,729.1	34,805.6	40,095.3
Memo:					
Transferable deposits in foreign currencies	nav	nav	nav	nav	nav
Outstanding value on e-money storage	nav	nav	nav	nav	nav

[1] Demand deposits. [2] Notes and coin in circulation plus sight and other transactions deposits.

Table 3

Settlement media used by banks

(CNY billions, average for December)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank[1]	16,790.2	19,114.6	20,536.9	22,659.7	21,266.1
required reserves	*nav*	*nav*	*nav*	*nav*	*nav*
free reserves	*nav*	*nav*	*nav*	*nav*	*nav*
Transferable balances held at other banks	nav	nav	nav	nav	nav
Memo:					
Credit extended by the central bank:					
intraday	*nav*	*nav*	*nav*	*nav*	*nav*
overnight	*nav*	*nav*	*nav*	*nav*	*nav*
longer refinancing operations (repos)	*nav*	*nav*	*nav*	*nav*	*nav*

[1] Deposits with the central bank.

Table 4

Banknotes and coin

(CNY billions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	nav	nav	nav	nav	nav
Total banknotes issued	nav	nav	nav	nav	nav
Total coin issued	nav	nav	nav	nav	nav
Banknotes and coin held by banks	nav	nav	nav	nav	nav
Banknotes and coin in circulation outside banks	nav	nav	nav	nav	nav

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices[1]	2,111	2,112	2,112	2,113	2,099
Number of accounts, all	nav	nav	nav	nav	nav
Value of accounts	nav	nav	nav	nav	nav
Banks					
Number of institutions	3,800	3,747	3,949	4,089	4,262
Number of branches or offices	nav	nav	nav	nav	nav
Number of accounts	nav	nav	nav	nav	nav
Value of accounts	nav	nav	nav	nav	nav
Branches of foreign banks					
Number of institutions	nav	nav	nav	nav	nav
Number of branches or offices	nav	nav	nav	nav	nav
Value of accounts	nav	nav	nav	nav	nav
Institutions offering payment services to non-banks (total)					
Number of institutions	3,801	3,748	3,950	4,090	4,263
Number of branches or offices	nav	nav	nav	nav	nav
Number of accounts held by non-banks	nav	nav	nav	nav	nav
Value of accounts held by non-banks	nav	nav	nav	nav	nav
Memo:					
Electronic money institutions					
Number of institutions	nav	nav	nav	nav	nav
Outstanding value on e-money storages issued by e-money institutions	nav	nav	nav	nav	nav

[1] Includes Shanghai head office, regional branches and operations offices, sub-branches and operations offices, sub-branches in provincial capital cities, sub-branches in quasi province-level cities and county-level sub-branches.

Table 6

Payment card functions and accepting devices

(thousands, end of year)

	2011	2012	2013	2014	2015
Cards issued in the country					
Cards with a cash function[1]	2,949,049.8	3,534,147.3	4,213,892.8	4,935,718.6	5,442,312.9
Cards with a debit function[2]	2,663,590.8	3,203,052.1	3,823,100.4	4,480,623.6	5,010,106.3
Cards with a delayed debit function	nap	nap	nap	nap	nap
Cards with a credit function[3]	285,458.9	331,095.3	390,792.4	455,095.0	432,206.5
Cards with an e-money function	nap	nap	nap	nap	nap
Total number of cards (irrespective of the number of functions on the card)	2,949,049.8	3,534,147.3	4,213,892.8	4,935,718.6	5,442,312.9
of which: cards with a combined debit, cash and e-money function	*nap*	*nap*	*nap*	*nap*	*nap*
Memo:					
Retailer cards	nav	nav	nav	nap	nap
Terminals located in the country					
ATMs[4]	333.8	415.6	520.0	614.9	866.7
ATMs with a cash withdrawal function	*333.8*	*415.6*	*520.0*	*614.9*	*866.7*
ATMs with a credit transfer function	*333.8*	*415.6*	*520.0*	*614.9*	*866.7*
POS terminals	4,826.5	7,117.8	10,632.1	15,935.2	22,821.0
EFTPOS terminals	*nap*	*nap*	*nap*	*nap*	*nap*
E-money card terminals	nap	nap	nap	nap	nap

[1] All bank cards issued by banking financial institutions have a cash function. [2] Bank cards issued by banking financial institutions with functions of transfer clearing and access to cash. [3] Bank cards issued by banking financial institutions with functions of consumer credit, transfer clearing and access to cash. Includes quasi-credit cards. [4] All ATMs have both a withdrawal function and a credit transfer function.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	1,172.63	1,410.00	1,837.17	2,569.04	6,342.76
paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
non-paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
Direct debits	nav	nav	nav	nav	nav
Card payments with cards issued in the country	6,413.01	9,009.07	12,970.95	19,754.40	29,029.95
payments by cards with a debit function	*nav*	*nav*	*nav*	*nav*	*nav*
payments by cards with a delayed debit	*nap*	*nap*	*nap*	*nap*	*nap*
payments by cards with a credit function	*nav*	*nav*	*nav*	*nav*	*nav*
E-money payment transactions	nap	nap	nap	nap	nap
Cheques	846.66	783.67	693.43	578.22	417.01
Other payment instruments	nav	nav	nav	nav	nav
Total number of transactions with payment instruments	8,432.29	11,202.74	15,501.56	22,901.65	35,789.72
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	10,312.71	11,452.56	12,874.53	13,715.11	14,568.41
ATM cash withdrawals	*10,312.71*	*11,452.56*	*12,874.53*	*13,715.11*	*14,568.41*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	6,413.01	9,009.07	12,970.95	19,754.40	29,029.95
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions
(CNY billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	466,028	629,008	880,418	1,078,717	2,409,937
paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
non-paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
Direct debits	nav	nav	nav	nav	nav
Card payments with cards issued in the country	15,212	20,826	31,832	42,384	55,001
payments by cards with a debit function	*nav*	*nav*	*nav*	*nav*	*nav*
payments by cards with a delayed debit	*nap*	*nap*	*nap*	*nap*	*nap*
payments by cards with a credit function	*nav*	*nav*	*nav*	*nav*	*nav*
E-money payment transactions	nap	nap	nap	nap	nap
Cheques	301,114	296,366	287,697	269,986	238,232
Other payment instruments	nav	nav	nav	nav	nav
Total value of transactions with payment instruments	782,354	946,199	1,199,946	1,391,087	2,703,169
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	12,352	15,264	19,355	21,826	24,006
ATM cash withdrawals	*12,352*	*15,264*	*19,355*	*21,826*	*24,006*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	15,212	20,826	31,832	42,384	55,001
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
HVPS					
Number of participants	109,597	119,214	125,937	131,653	137,488
Direct participants	1,747	1,783	1,799	773	656
Banks	1,028	1,064	1,073	373	268
Central bank	677	678	686	355	355
Other direct participants	42	41	40	45	33
General government	*0*	*0*	*0*	*0*	*0*
Postal institution [1]	*0*	*0*	*0*	*0*	*0*
Clearing and settlement organisations	*10*	*9*	*9*	*9*	*9*
Other financial institutions [2]	*32*	*32*	*31*	*36*	*24*
Other	*0*	*0*	*0*	*0*	*0*
Indirect participants	107,850	117,431	124,138	130,880	136,832
Retail payment systems					
BEPS					
Number of participants	109,509	119,115	125,823	131,522	137,012
Direct participants	1,754	1,791	1,807	774	640
Banks	1,028	1,064	1,073	373	268
Central bank	677	678	686	355	355
Other direct participants	49	49	48	46	17
General government	*0*	*0*	*0*	*0*	*0*
Postal institution	*0*	*0*	*0*	*0*	*0*
Clearing and settlement organisations	*1*	*1*	*1*	*1*	*1*
Other financial institutions	*32*	*32*	*31*	*29*	*16*
Other	*16*	*16*	*16*	*16*	*0*
Indirect participants	107,755	117,324	124,016	130,748	136,372

[1] Postal institution is not considered as a bank before 2007. [2] Including urban credit cooperatives and rural credit cooperatives.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value and retail payment systems					
HVPS					
Total transactions sent	372.12	470.36	595.49	712.57	788.84
Concentration ratio in terms of volume (%)	57.5	57.6	58.6	58.4	58.3
Retail payment systems					
BEPS					
Total transactions sent	563.06	753.94	1,040.28	1,435.80	1,835.27
credit transfers	*nav*	*nav*	*nav*	*nav*	*nav*
direct debits	*nav*	*nav*	*nav*	*nav*	*nav*
card payments	*nav*	*nav*	*nav*	*nav*	*nav*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of volume (%)	60.9	63.0	63.2	62.4	67.7

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions
(CNY billions, total for the year)

	2011	2012	2013	2014	2015
Large-value and retail payment systems					
HVPS					
Total transactions sent	1,355,281	1,771,997	2,060,762	2,346,893	2,952,057
Concentration ratio in terms of value (%)	40.6	40.3	41.0	35.1	33.8
Retail payment systems					
BEPS					
Total transactions sent	18,361	18,548	20,315	22,075	24,940
credit transfers	*nav*	*nav*	*nav*	*nav*	*nav*
direct debits	*nav*	*nav*	*nav*	*nav*	*nav*
card payments	*nav*	*nav*	*nav*	*nav*	*nav*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of value (%)	48.0	47.2	47.3	53.6	58.4

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	45	49	50	51	52
of which: live	*45*	*49*	*50*	*51*	*52*
Sub-members	122	129	131	135	146
of which: live	*120*	*124*	*128*	*131*	*143*
Participants	119	136	166	176	223
of which: live	*116*	*133*	*161*	*171*	*201*
Total users	286	314	347	362	421
of which: live	*281*	*306*	*339*	*353*	*396*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	29,041	31,436	34,227	39,414	47,091
of which:					
category I	*11,782*	*12,949*	*13,524*	*14,426*	*15,342*
category II	*3,313*	*3,610*	*3,689*	*3,932*	*4,229*
Total messages received	59,644	58,490	60,915	65,625	70,801
of which:					
category I	*29,300*	*29,904*	*30,322*	*31,772*	*31,455*
category II	*7,409*	*7,350*	*7,702*	*8,265*	*8,232*
Domestic traffic	5,748	4,751	4,485	5,261	8,487
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems
(end of year)

	2011	2012	2013	2014	2015
Shanghai Stock Exchange					
Total number of participants	222	228	240	258	262
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*0*	*0*	*0*	*0*	*0*
other	*222*	*228*	*240*	*258*	*262*
Number of domestic participants	222	228	240	258	262
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*0*	*0*	*0*	*0*	*0*
other	*222*	*228*	*240*	*258*	*262*
Number of foreign participants	0	0	0	0	0
Shenzhen Stock Exchange					
Total number of participants	116	119	119	120	122
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	116	119	119	120	122
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign participants[1]	0	0	0	0	0

[1] In China, foreign participants are requested to submit orders to the trading system through domestic agents instead of submitting directly by themselves. Therefore, the number of foreign participants is counted as 0.

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
Shanghai Stock Exchange					
Total number of listed securities	1,691	2,098	2,786	3,758	5,914
debt securities	680	1,059	1,731	2,646	4,538
bonds	*680*	*1,059*	*1,731*	*2,646*	*4,538*
equity	975	998	997	1,044	1,141
other[1]	36	41	58	68	235
Shenzhen Stock Exchange					
Total number of listed securities	1,938	2,190	2,328	2,523	3,440
debt securities	334	381	460	527	1,179
bonds	*334*	*381*	*460*	*527*	*1,179*
equity	1,453	1,581	1,577	1,657	1,784
other[1]	151	228	291	339	477

[1] Includes ETFs, funds and warrants.

Table 16

Market capitalisation of listed companies

(CNY billions, end of year)

	2011	2012	2013	2014	2015
Shanghai Stock Exchange					
Total market capitalisation/equity	14,837.6	15,869.8	15,116.5	24,500.4	29,765.6
Shenzhen Stock Exchange					
Total market capitalisation/equity	6,638.2	7,165.9	8,791.2	12,857.3	23,611.0

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
Shanghai Stock Exchange					
Total number of executed securities trades	1,311,004.7	980,089.8	1,254,207.8	1,742,742.9	5,288,773.7
debt securities	21,540.2	48,888.0	89,747.9	123,124.3	99,139.1
bonds	*21,540.2*	*48,888.0*	*89,747.9*	*123,124.3*	*99,139.1*
equity	1,273,276.4	925,549.6	1,153,367.2	1,590,879.5	5,134,079.5
other[1]	16,188.0	5,652.2	11,092.7	28,739.2	55,555.1
Total number of executed derivatives trades	0	0	0	0	0
Shenzhen Stock Exchange					
Total number of executed securities trades	1,047,029.0	982,615.7	1,387,207.0	1,851,665.7	4,907,784.2
debt securities	5,868.0	31,325.0	78,649.0	108,835.6	71,065.4
bonds	*5,868.0*	*31,325.0*	*78,649.0*	*108,835.6*	*71,065.4*
equity	1,030,327.0	935,567.0	1,289,443.0	1,712,972.4	4,655,650.5
other[1]	10,834.0	15,724.0	19,115.0	29,857.6	181,068.3
Total number of executed derivatives trades	0	0	0	0	0

[1] Includes ETFs, funds and warrants.

Table 18

Value of executed trades

(CNY billions, total for the year)

	2011	2012	2013	2014	2015
Shanghai Stock Exchange					
Total value of executed securities trades	45,465.16	54,753.52	86,509.83	128,149.80	266,369.08
debt securities	21,071.49	37,981.89	62,583.94	86,684.86	122,853.37
bonds	*21,071.49*	*37,981.89*	*62,583.94*	*86,684.86*	*122,853.37*
equity	23,756.05	16,454.50	23,026.60	37,716.64	133,104.03
other[1]	637.62	317.14	899.29	3,748.30	10,411.68
Total value of executed derivatives trades	0	0	0	0	0
Shenzhen Stock Exchange					
Total value of executed securities trades	19,318.00	17,865.00	29,667.00	44,470.82	136,105.13
debt securities	563.00	2,358.00	5,241.00	6,820.39	8,721.66
bonds	*563.00*	*2,358.00*	*5,241.00*	*6,820.39*	*8,721.66*
equity	18,409.00	15,012.00	23,846.00	36,675.09	122,495.00
other[1]	346.00	495.00	580.00	975.34	4,888.47
Total value of executed derivatives trades	0	0	0	0	0

[1] Includes ETFs, funds and warrants.

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
SD&C					
Total number of clearing members	222	223	226	230	251
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*26*	*27*	*28*	*39*	*40*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic clearing members	159	161	164	168	189
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*22*	*23*	*24*	*31*	*32*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign clearing members[1]	63	62	62	62	62
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*4*	*4*	*4*	*8*	*8*
other	*nav*	*nav*	*nav*	*nav*	*nav*

[1] Foreign clearing members only participate in SD&C's clearing services for the B share market. For the B share market, foreign entities such as brokers or banks conduct trading activities via domestic brokers as their agents, therefore they are not regarded as direct trading members of the stock exchanges. However, these foreign entities settle their trades directly with SD&C according to the relevant business rules of SD&C.

Table 20

Number of contracts and transactions cleared
(millions, total for the year)

	2011	2012	2013	2014	2015
SD&C					
Total number of contracts and transactions cleared	nav	nav	nav	nav	nav
Number of securities transactions cleared	nav	nav	nav	nav	nav
of which: number of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Number of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

Table 21

Value of contracts and transactions cleared
(CNY billions, total for the year)

	2011	2012	2013	2014	2015
SD&C					
Total value of contracts and transactions cleared	nav	nav	nav	nav	nav
Value of securities transactions cleared	nav	nav	nav	nav	nav
of which: value of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Value of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
SD&C					
Total number of participants	nap	nap	nap	nap	nap
CDC Depository and Settlement System					
Total number of participants[1]	11,162	12,415	6,075	6,681	10,018
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
central securities depositories	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav

[1] According to the definition of direct participants in the Red Book, the system of SD&C is a non-tiered system. SD&C operates all the accounts of (private) customers directly on behalf of securities companies and custodian banks. Securities companies and custodian banks do not operate their customers' accounts in SD&C's system. They are therefore not regarded as 'depository participants' as other tiered systems often are.

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
SD&C					
Total number of securities held	3.304	4.094	5.069	6.330	8.508
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
CDC Depository and Settlement System					
Total number of securities held	2.941	3.570	4.234	4.857	6.163
debt securities	2.937	3.566	4.231	4.854	6.163
short-term paper	*2.254*	*2.898*	*3.418*	*3.955*	*4.866*
bonds	*0.683*	*0.668*	*0.813*	*0.899*	*1.297*
other	0.004	0.004	0.003	0.003	0

Table 24

Value of securities held on accounts at CSDs

(CNY billions, end of year)

	2011	2012	2013	2014	2015
SD&C					
Total value of securities held	22,530.7	24,513.1	26,202.8	40,566.6	57,918.1
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
CDC Depository and Settlement System					
Total value of securities held[1]	21,357.6	23,756.9	25,911.3	28,729.7	35,042.2
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav

[1] Total value of securities equals the total number of securities multiplied by the market price of the relevant securities at the end of the year.

Table 25

Number of delivery instructions processed

(millions, total for the year)

	2011	2012	2013	2014	2015
SD&C					
Total number of delivery instructions	4,769.7	4,117.2	5,711.6	7,780.5	20,786.9
DVP	nav	nav	nav	nav	nav
free of payment	nav	nav	nav	nav	nav
CDC Depository and Settlement System					
Total number of delivery instructions	515.7	587.4	457.5	466.4	677.3
DVP	nav	nav	nav	nav	nav
free of payment	nav	nav	nav	nav	nav

Table 26

Value of delivery instructions processed

(CNY billions, total for the year)

	2011	2012	2013	2014	2015
SD&C					
Total value of delivery instructions	168,412.0	209,830.3	342,893.9	503,251.6	1,032,506.5
DVP	nav	nav	nav	nav	nav
free of payment	nav	nav	nav	nav	nav
CDC Depository and Settlement System					
Total value of delivery instructions	67,761.3	70,842.8	36,975.2	30,987.1	60,542.5
DVP	nav	nav	nav	nav	nav
free of payment	nav	nav	nav	nav	nav

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	335,707	336,567	337,252	337,959	338,977
GDP (EUR billions)	9,799.2	9,835.7	9,932.1	10,133.2	10,455.8
GDP per capita (EUR)	29,190	29,224	29,450	29,984	30,845
Consumer price inflation (%)[1, 2]	2.7	2.5	1.4	0.4	0.0
Exchange rate (EUR/USD):					
end of year	*0.7729*	*0.7579*	*0.7251*	*0.8237*	*0.9185*
average	*0.7192*	*0.7788*	*0.7532*	*0.7539*	*0.9019*

For the period under review, euro area member countries are Austria, Belgium, Finland, France, Germany, Ireland, Italy, Luxembourg, the Netherlands, Portugal and Spain; Greece became a member on 1 January 2001; Slovenia became a member on 1 January 2007; Cyprus and Malta became members on 1 January 2008; Slovakia became a member on 1 January 2009; Estonia became a member on 1 January 2011; Latvia became a member on 1 January 2014; Lithuania 1 January 2015.

[1] Yearly average. [2] Harmonised index (HICP), annual percentage changes.

Source: ECB. Data as of 9 December 2016.

Table 2

Settlement media used by non-MFIs

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside MFIs	857.5	876.8	921.2	980.6	1,048.9
Value of overnight deposits held by non-MFIs[1]	4,290.7	4,582.3	4,822.8	5,348.1	5,978.5
Narrow money supply (M1)[2]	4,866.6	5,151.4	5,425.9	5,967.7	6,630.6
Memo:					
Overnight deposits in foreign currencies held by non-MFIs	280.7	325.7	356.0	449.6	484.9
Outstanding value on e-money storage[3]	3.087	4.033	4.716	5.722	7.142
on card-based products	*1.915*	*2.381*	*2.668*	*3.015*	*3.320*
on software- or network-based products	*1.124*	*1.567*	*1.929*	*2.582*	*3.707*

[1] Held at monetary financial institutions (MFIs). The counterpart sector "non-MFIs" includes the component sectors "Central government" and "Rest of the world". The indicator is not synonymous with the same term used in the ECB concept of M1. [2] Cannot be calculated from the above two items in this table (see also footnote 1). [3] Includes small institutions excluded from subcategories.

Source: ECB. Data as of 9 December 2016.

Table 4

Banknotes and coin

(EUR millions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	913,625.3	938,173.0	982,425.4	1,043,810.7	1,111,804.9
Total banknotes issued	888,629.0	912,593.0	956,184.8	1,016,538.1	1,083,430.3
EUR 500	*299,588.3*	*293,733.1*	*291,570.4*	*303,022.0*	*306,779.8*
EUR 200	*36,262.2*	*36,846.9*	*39,777.1*	*40,779.9*	*41,378.9*
EUR 100	*164,994.6*	*170,614.2*	*185,001.5*	*201,616.6*	*214,478.2*
EUR 50	*302,257.3*	*321,858.9*	*348,141.6*	*375,431.6*	*419,913.6*
EUR 20	*57,069.0*	*59,767.7*	*61,776.7*	*64,665.7*	*68,791.3*
EUR 10	*20,729.3*	*21,706.8*	*21,555.5*	*22,443.0*	*23,257.7*
EUR 5	*7,728.4*	*8,065.5*	*8,362.0*	*8,579.4*	*8,830.8*
Total coin issued	23,072.7	23,658.3	24,207.7	25,003.1	26,012.1
EUR 2	*9,484.5*	*9,866.2*	*10,188.8*	*10,579.9*	*11,138.4*
EUR 1	*6,457.8*	*6,464.9*	*6,512.9*	*6,657.2*	*6,816.0*
EUR 0.50	*2,632.7*	*2,669.9*	*2,716.0*	*2,790.3*	*2,875.6*
EUR 0.20	*1,862.7*	*1,914.8*	*1,951.3*	*2,013.3*	*2,085.8*
EUR 0.10	*1,205.8*	*1,240.8*	*1,272.4*	*1,315.5*	*1,367.6*
EUR 0.05	*793.9*	*828.5*	*857.2*	*895.7*	*936.1*
EUR 0.02	*389.5*	*411.5*	*432.4*	*457.2*	*480.9*
EUR 0.01	*245.7*	*261.7*	*276.8*	*294.0*	*311.8*
Banknotes and coins held by MFIs	56,143.7	61,386.0	61,204.3	63,176.3	62,879.1
Banknotes and coins in circulation outside MFIs	857,481.7	876,787.0	921,221.2	980,634.5	1,048,925.8

Source: ECB.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TARGET2[1]					
Number of participants	4,484	4,484	2,326	2,368	2,271
Direct participants	1,104	1,172	1,535	1,603	1,606
Banks	1,000	1,063	1,428	1,494	1,498
Central bank	27	29	24	24	25
Other direct participants	77	80	83	85	83
General government	*8*	*8*	*8*	*7*	*7*
Clearing and settlement organisations	*43*	*45*	*47*	*52*	*52*
Other financial institutions	*16*	*17*	*17*	*16*	*16*
Other	*10*	*10*	*11*	*11*	*8*
Indirect participants	3,380	3,312	791	765	665
EURO1 / STEP1					
Number of participants	259	235	212	199	183
Direct participants	259	235	212	199	183
Banks	259	235	212	199	183
Central bank	0	0	0	0	0
Other direct participants	0	0	0	0	0
Retail payment systems					
STEP2 XCT Service[2, 3]					
Number of participants	1,673	nav	nav	nav	nav
Direct participants	97	nav	nav	nav	nav
Banks	89	nav	nav	nav	nav
Central bank	7	nav	nav	nav	nav
Other direct participants	1	nav	nav	nav	nav
General government	*0*	*nav*	*nav*	*nav*	*nav*
Clearing and settlement organisations	*0*	*nav*	*nav*	*nav*	*nav*
Other financial institutions	*0*	*nav*	*nav*	*nav*	*nav*
Other	*1*	*nav*	*nav*	*nav*	*nav*
Indirect participants	1,576	nav	nav	nav	nav
STEP2 ICT Service[2, 4]					
Number of participants	73	68	70	69	nav
Direct participants	6	6	6	6	nav
Banks	6	6	6	6	nav
Central bank	0	0	0	0	nav
Other direct participants	0	0	0	0	nav
Indirect participants	67	62	64	63	nav

For the footnotes, see the end of the table.

Table 9 (cont)

	2011	2012	2013	2014	2015
STEP2 SCT Service[2]					
Number of participants	4,669	4,696	4,823	4,806	4,825
Direct participants	123	125	127	128	136
Banks	112	113	114	114	121
Central bank	8	9	10	11	12
Other direct participants	3	3	3	3	3
General government	*0*	*0*	*0*	*0*	*0*
Clearing and settlement organisations	*0*	*0*	*0*	*0*	*0*
Other financial institutions	*0*	*0*	*0*	*0*	*0*
Other	*3*	*3*	*3*	*3*	*3*
Indirect participants	4,546	4,571	4,696	4,678	4,689
STEP2 SDD B2B Service					
Number of participants	3,405	3,366	3,438	3,402	3,408
Direct participants	71	74	78	83	90
Banks	63	66	70	73	80
Central bank	7	7	7	8	7
Other direct participants	1	1	1	2	3
General government	*0*	*0*	*0*	*0*	*0*
Clearing and settlement organisations	*0*	*0*	*0*	*0*	*0*
Other financial institutions	*0*	*0*	*0*	*0*	*0*
Other	*1*	*1*	*1*	*2*	*3*
Indirect participants	3,334	3,292	3,360	3,319	3,318
STEP2 SDD CORE Service					
Number of participants	3,935	3,874	4,024	3,927	3,922
Direct participants	87	90	93	94	102
Banks	76	79	81	81	90
Central bank	8	8	9	10	9
Other direct participants	3	3	3	3	3
General government	*0*	*0*	*0*	*0*	*0*
Clearing and settlement organisations	*0*	*0*	*0*	*0*	*0*
Other financial institutions	*0*	*0*	*0*	*0*	*0*
Other	*3*	*3*	*3*	*3*	*3*
Indirect participants	3,848	3,784	3,931	3,833	3,820

[1] At end-2015, the 20 euro area central banks (including the ECB) and four central banks from non-euro area countries (Bulgaria, Denmark, Poland and Romania) are participating in, or connected to, TARGET2. [2] Cross-border credit transactions (XCT), Italian Credit Transfer (ICT), SEPA Credit Transfer (SCT). [3] STEP2 XCT Service closed in December 2011. [4] STEP2 ICT Service closed in September 2014.

Source: ECB.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions

(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TARGET2					
Total transactions sent[1]	88.98	89.62	91.34	87.76	88.59
intra-member state	57.91	56.37	56.61	54.64	55.98
inter-member state	31.07	33.25	34.73	33.13	32.62
Concentration ratio in terms of volume (%)	nav	nav	nav	nav	nav
EURO1 / STEP1					
Total transactions sent	62.32	66.59	64.14	57.68	55.26
credit transfers	62.24	66.49	64.04	57.61	55.21
direct debits	0.03	0.03	0.03	0.01	0.01
other payment instruments	0.05	0.07	0.07	0.05	0.04
Concentration ratio in terms of volume (%)	30.5	32.7	31.6	32.2	33.6
Retail payment systems					
STEP2 XCT Service[2, 3]					
Total transactions sent	32.78	nav	nav	nav	nav
credit transfers	32.78	nav	nav	nav	nav
Concentration ratio in terms of volume (%)	43.4	nav	nav	nav	nav
STEP2 ICT Service[2, 4]					
Total transactions sent	308.10	309.70	277.96	23.48	nav
credit transfers	308.10	309.70	277.96	23.48	nav
Concentration ratio in terms of volume (%)	99.9	99.9	99.9	99.9	nav
STEP2 SCT Service					
Total transactions sent[5]	439.38	641.43	1,082.98	3,791.09	4,047.46
credit transfers	439.38	641.43	1,082.98	3,784.12	4,040.87
Concentration ratio in terms of volume (%)	51.0	46.4	37.7	45.7	44.5
STEP2 SDD B2B Service					
Total transactions sent	1.0	1.6	5.2	78.8	82.9
credit transfers	0.0	0.1	0.3	3.3	2.4
direct debits	0.9	1.6	4.9	75.5	80.5
Concentration ratio in terms of volume (%)	88.9	84.8	74.3	54.7	53.8
STEP2 SDD CORE Service					
Total transactions sent	5.0	64.1	440.9	5,063.8	5195.6
credit transfers	0.4	2.4	14.3	138.8	133.9
direct debits	4.6	61.7	426.6	4,925.0	5061.7
Concentration ratio in terms of volume (%)	79.5	92.5	83.7	58.8	62.1

[1] May not equal the sum of components as some countries' figures have been reported as confidential. [2] Cross-border credit transactions (XCT), Italian Credit Transfer (ICT), SEPA Credit Transfer (SCT). [3] STEP2 XCT Service closed in December 2011. [4] STEP2 ICT Service closed in September 2014. [5] Includes R-transactions (eg cancellations, rejections, returns,

Source: ECB.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TARGET2					
Total transactions sent[1]	651,274.9	711,025.8	559,696.0	498,726.5	508,982.3
intra-member state	454,336.5	522,985.1	389,611.0	317,167.7	332,995.0
inter-member state	196,626.3	187,856.7	170,004.8	181,492.0	175,906.1
Concentration ratio in terms of value (%)	15.6	13.0	16.9	15.7	17.1
EURO1 / STEP1					
Total transactions sent	64,020.3	57,907.3	48,677.7	41,249.9	44,142.5
credit transfers	59,483.3	54,177.7	45,619.4	41,240.4	44,134.4
direct debits	4,535.8	3,728.1	2,827.5	8.4	7.1
other payment instruments	1.2	1.4	230.8	1.1	1.0
Concentration ratio in terms of value (%)	51.4	51.9	47.4	48.6	50.7
Retail payment systems					
STEP2 XCT Service[2, 3]					
Total transactions sent	156.3	nav	nav	nav	nav
credit transfers	156.3	nav	nav	nav	nav
Concentration ratio in terms of value (%)	38.3	nav	nav	nav	nav
STEP2 ICT Service[2, 4]					
Total transactions sent	1,239.1	1,044.0	919.6	67.6	nav
credit transfers	1,239.1	1,044.0	919.6	67.6	nav
Concentration ratio in terms of value (%)	99.9	99.9	99.9	99.7	nav
STEP2 SCT Service					
Total transactions sent[5]	1,579.7	2,445.6	3,661.7	9,325.4	10,493.9
credit transfers	1,579.7	2,445.6	3,661.7	9,305.6	10,476.8
Concentration ratio in terms of value (%)	29.0	26.6	27.0	35.7	35.1
STEP2 SDD B2B Service					
Total transactions sent	5.8	11.1	94.2	580.2	605.0
credit transfers	0.2	0.4	3.6	13.4	9.4
direct debits	5.6	10.7	90.6	566.8	595.6
Concentration ratio in terms of value (%)	80.6	76.3	81.2	57.3	58.3
STEP2 SDD CORE Service					
Total transactions sent	3.1	11.1	73.3	1,099.5	1,118.5
credit transfers	0.2	0.5	3.4	31.6	26.8
direct debits	2.9	10.6	69.9	1,067.9	1,091.7
Concentration ratio in terms of value (%)	84.0	85.3	71.0	56.4	58.1

[1] May not equal the sum of components as some countries' figures have been reported as confidential. [2] Cross-border credit transactions (XCT), Italian Credit Transfer (ICT), SEPA Credit Transfer (SCT). [3] STEP2 XCT Service closed in December 2011. [4] STEP2 ICT Service closed in September 2014. [5] Includes R-transactions (eg cancellations, rejections, returns, refunds).

Source: ECB.

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	64,933	65,241	65,565	66,074	66,381
GDP (EUR billions)	2,058.4	2,086.9	2,116.1	2,141.4	2,181.1
GDP per capita (EUR)	31,701	31,988	32,275	32,409	32,858
Consumer price inflation (%)[1]	2.3	2.2	1.0	0.6	0.1
Exchange rate (EUR/USD):					
end of year	*0.7729*	*0.7579*	*0.7251*	*0.8237*	*0.9185*
average	*0.7192*	*0.7788*	*0.7532*	*0.7539*	*0.9019*

[1] Yearly average.

Table 2

Settlement media used by non-banks

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks[1]	nap	nap	nap	nap	nap
Value of transferable deposits[2]	596.05	612.93	635.17	679.31	793.03
Narrow money supply (M1)[1]	nap	nap	nap	nap	nap
Memo:					
Transferable deposits in foreign currencies	19.17	20.71	24.60	26.66	45.49
Outstanding value on e-money storage	0.044	0.042	0.039	0.039	0
on card-based products	*0.044*	*0.042*	*0.039*	*0.039*	*0*
on software- or network-based products	*0*	*0*	*0*	*0*	*0*

[1] These figures are provided solely at an aggregated euro area level (see Euro area, Table 2). [2] Includes deposits in French overseas territories.

Table 3

Settlement media used by banks

(EUR billions, average of last reserve maintenance period)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	41.90	75.92	43.11	36.42	104.68
required reserves	*38.83*	*19.37*	*19.56*	*19.88*	*20.64*
free reserves	*3.08*	*56.56*	*23.55*	*16.54*	*84.04*
Transferable balances held at other banks[1]	231.53	111.42	84.66	115.36	137.18
Memo:					
Credit extended by the central bank:					
intraday[2]	*447.785*	*480.399*	*450.459*	*406.265*	*402.766*
overnight[3]	*1.910*	*0.744*	*0*	*0*	*0*
longer-term refinancing operations[4]	*118.489*	*179.005*	*69.196*	*62.440*	*83.457*

[1] Value for the fourth quarter of the period. [2] Since 2005, in addition to intraday repos, amounts include autocollateralisation operations processed in the French SSS (RGV2 then ESES France as from November 2007). Furthermore, since February 2008, BDF has adopted a new collateral management system and moved from an earmarking system to a pooling system. [3] Marginal lending facility and fine-tuning operations. [4] Main refinancing operations and longer-term refinancing operations.

Table 4

Banknotes and coin[1]

[1] These figures are provided solely at an aggregated euro area level (see Euro area, Table 4).

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices	96	96	96	98	98
Number of accounts (thousands)	29	29	29	29	28
Value of accounts (EUR billions)[1]	9.41	22.03	21.75	14.80	16.09
Memo:					
Number of accounts, banks (thousands)	0.376	0.366	0.364	0.351	0.353
Banks[2]					
Number of institutions	660	639	623	496	496
Number of branches or offices	38,075	37,930	37,767	37,523	37,084
Number of accounts (thousands)	77,766	78,383	79,481	80,433	81,562
of which: number of internet/PC-linked accounts	*nav*	*nav*	*nav*	*nav*	*nav*
Value of accounts (EUR billions)	541.89	560.06	587.49	643.18	776.94
Credit institutions legally incorporated in the reporting country					
Number of institutions	611	596	579	413	413
Number of branches or offices	38,075	37,930	37,767	37,523	37,084
Value of accounts (EUR billions)	541.89	560.06	587.49	643.18	776.94
Branches of euro area-based credit institutions					
Number of institutions	36	31	32	38	38
Number of branches or offices	nav	nav	nav	nav	nav
Value of accounts	nav	nav	nav	nav	nap
Branches of EEA-based credit institutions (outside the euro area)					
Number of institutions	9	9	9	24	24
Number of branches or offices	nav	nav	nav	nav	nav
Value of accounts	nav	nav	nav	nav	nap
Branches of non-EEA based banks					
Number of institutions	4	3	3	21	21
Number of branches or offices	nav	nav	nav	nav	nav
Value of accounts	nav	nav	nav	nav	nap
Other institutions offering payment services to non-banks[3]					
Number of institutions	1	1	1	1	1
Number of branches or offices	nav	nav	nav	nav	nav
Number of accounts (thousands)	nav	nav	nav	nav	nav
Value of accounts (EUR billions)	52.67	55.31	57.46	48.12	nap
Institutions offering payment services to non-banks (total)					
Number of institutions	662	641	625	498	498
Number of branches or offices	38,171	38,026	37,863	37,621	37,182
Number of accounts held by non-banks (thousands)	77,795	78,412	79,510	80,462	81,590
of which: number of internet/PC-linked accounts	*nav*	*nav*	*nav*	*nav*	*nav*
Value of accounts held by non-banks (EUR billions)	603.96	637.40	666.70	706.10	793.03
Memo:					
Electronic money institutions					
Number of institutions[4]	4	5	4	5	7
Outstanding value on e-money storages issued by e-money institutions	44.00	42.00	39.00	39.00	0

[1] Includes the overnight deposits of the central public administrations. [2] Excludes investment firms. [3] Only the Treasury is counted in this category. [4] Includes credit institutions.

Table 6

Payment card functions and accepting devices

(thousands, end of year)

	2011	2012	2013	2014	2015
Cards issued in the country					
Cards with a cash function[1]	92,739.4	92,608.5	88,183.3	85,671.6	80,433.4
Cards with a payment function	83,005.3	82,313.0	82,222.7	81,040.2	77,406.4
Cards with a debit function	69,091.4	80,109.8	80,084.9	55,270.4	49,971.9
Cards with a delayed debit function	22,300.3	23,379.3	23,809.0	38,757.1	28,069.0
Cards with a credit function	27,562.1	26,842.7	19,611.2	24,919.5	19,892.5
Cards with an e-money function	33,089.4	26,721.6	23,102.2	14,201.1	3,029.6
of which: cards with an e-money function which have been loaded at least once	*1,916.6*	*2,008.4*	*1,932.2*	*3,591.9*	*1,597.4*
Total number of cards (irrespective of the number of functions on the card)	99,253.8	99,099.0	99,311.6	101,523.7	94,323.3
of which: cards with a combined debit, cash and e-money function	*31,261.8*	*25,407.4*	*22,473.7*	*11,714.6*	*2,414.5*
Memo:					
Retailer cards	nav	nav	nav	nav	nav
Terminals located in the country					
ATMs	58.2	58.5	58.6	114.9	60.5
ATMs with a cash withdrawal function	*nav*	*58.5*	*nav*	*110.1*	*57.2*
ATMs with a credit transfer function	*nav*	*nav*	*nav*	*50.5*	*38.7*
POS terminals	1,443.7	1,400.0	1,344.4	1,604.5	1,476.7
of which: EFTPOS terminals[1]	*1,443.7*	*1,400.0*	*1,344.4*	*1,101.6*	*732.2*
E-money card terminals	124.7	71.0	47.0	45.4	1.2
e-money card loading/unloading terminals	*96.0*	*39.2*	*29.5*	*21.2*	*1.2*
e-money card payment terminals	*124.7*	*71.0*	*47.0*	*45.4*	*0.5*

[1] Manual imprinters are no longer used.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1]	2,977.54	3,097.20	3,250.23	3,416.95	3,358.15
paper-based	*nav*	*nav*	*nav*	*146.54*	*150.32*
non-paper-based	*nav*	*nav*	*nav*	*3,270.41*	*3,220.75*
Direct debits	3,533.32	3,543.38	3,107.73	3,541.46	3,849.52
Card payments with cards issued in the country	7,911.01	8,474.98	8,964.30	9,437.92	10,233.93
payments by cards with a debit function	*nav*	*nav*	*nav*	*4,924.17*	*6,097.43*
payments by cards with a delayed debit	*nav*	*nav*	*nav*	*1,357.08*	*1,913.13*
payments by cards with a credit function	*nav*	*nav*	*nav*	*85.4*	*247.87*
E-money payment transactions	46.50	52.25	50.53	52.91	36.46
by cards with an e-money function	*46.50*	*52.24*	*50.53*	*49.95*	*18.51*
through other e-money storages	*nav*	*nav*	*nav*	*2.96*	*17.94*
Cheques	2,971.44	2,805.62	2,620.57	2,482.82	2,238.89
Other payment instruments[2]	98.45	94.89	92.74	25.93	72.46
Total number of transactions with payment instruments	17,538.26	18,068.32	18,086.10	18,957.98	19,789.41
of which: cross-border transactions sent[3]	*368.17*	*426.47*	*555.81*	*547.90*	*607.57*
Memo:					
Cross-border transactions received[3]	354.60	448.20	823.14	433.73	407.87
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	1,667.28	1,661.90	1,646.82	nav	1,890.09
ATM cash withdrawals	*1,667.28*	*1,661.90*	*1,646.82*	*1,605.70*	*1,698.57*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*191.52*
POS payment transactions	7,906.25	8,499.70	8,983.59	8,603.53	9,139.97
E-money card loading/unloading transactions	5.56	6.06	5.91	nav	2.20
E-money card payment transactions	nav	nav	nav	48.5	20.19
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	1,630.14	1,622.49	1,606.32	1,599.97	1,855.63
ATM cash withdrawals	*1,630.14*	*1,622.49*	*1,606.32*	*1,570.57*	*1,664.45*
ATM cash deposits	*nav*	*nav*	*nav*	*29.40*	*191.18*
POS payment transactions	7,624.79	8,152.67	8,578.48	8,249.81	8,777.77
E-money card loading/unloading transactions	5.56	6.06	5.91	5.26	2.20
E-money card payment transactions	nav	nav	nav	48.5	20.14
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	37.14	39.41	40.49	nav	34.46
ATM cash withdrawals	*37.14*	*39.41*	*40.49*	*35.13*	*34.12*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*0.34*
POS payment transactions	281.46	347.03	405.11	353.73	362.19
E-money card loading/unloading transactions	nap	nap	nap	nap	0
E-money card payment transactions	nav	nav	nav	0.004	0.042
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	47.04	46.69	48.71	nav	54.83
ATM cash withdrawals	*47.04*	*46.69*	*48.71*	*36.63*	*48.60*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*6.22*
POS payment transactions	286.22	322.31	385.81	325.03	456.26
E-money card loading/unloading transactions	nap	nap	nap	nap	0
E-money card payment transactions	nav	nav	nav	nav	0.005

[1] From 2005 to 2007, client (ie non-MFI) transactions only; from 2008, also includes transactions initiated by MFIs to non-MFIs.
[2] Usually bills of exchange. [3] From 2006, includes transactions processed in high-value payment systems.

Table 8

Indicators of the use of payment instruments and terminals: value of transactions

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1]	24,540.85	24,114.69	23,198.46	24,046.38	21,635.38
paper-based	*nav*	*nav*	*nav*	*4,198.07*	*2,433.59*
non-paper-based	*nav*	*nav*	*nav*	*19,848.31*	*19,196.27*
Direct debits	1,325.14	1,310.88	1,399.30	1,514.55	1,427.00
Card payments with cards issued in the country	393.59	421.57	438.43	443.31	469.64
payments by cards with a debit function	*nav*	*nav*	*nav*	*215.76*	*256.72*
payments by cards with a delayed debit	*nav*	*nav*	*nav*	*77.57*	*110.95*
payments by cards with a credit function	*nav*	*nav*	*nav*	*5.54*	*13.17*
E-money payment transactions	0.101	0.113	0.109	0.244	0.402
by cards with an e-money function	*0.101*	*0.113*	*0.109*	*0.205*	*0.051*
through other e-money storages	*nav*	*nav*	*nav*	*0.04*	*0.35*
Cheques	1,787.53	1,628.46	1,320.02	1,216.04	1,137.30
Other payment instruments[2]	377.21	356.54	330.26	0.38	243.56
Total value of transactions with payment instruments	28,424.43	27,832.25	26,686.58	27,221.50	25,026.26
of which: cross-border transactions sent[3]	*6,911.94*	*7,812.97*	*6,790.32*	*4,990.14*	*5,375.34*
Memo:					
Cross-border transactions received[3]	6,928.98	7,913.05	7,386.13	8,379.02	9,806.56
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	133.97	135.41	135.92	nav	169.78
ATM cash withdrawals	*133.97*	*135.41*	*135.92*	*134.65*	*144.14*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*25.64*
POS payment transactions	398.47	429.68	425.93	414.73	421.39
E-money card loading/unloading transactions	0.108	0.117	0.112	nav	0.047
E-money card payment transactions	nav	nav	nav	0.176	0.090
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	127.84	129.23	129.59	147.04	163.68
ATM cash withdrawals	*127.84*	*129.23*	*129.59*	*128.77*	*138.07*
ATM cash deposits	*nav*	*nav*	*nav*	*18.27*	*25.61*
POS payment transactions	373.12	398.97	390.97	381.16	388.30
E-money card loading/unloading transactions	0.108	0.117	0.112	0.098	0.047
E-money card payment transactions	nav	nav	nav	0.176	0.086
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	6.14	6.17	6.33	nav	6.10
ATM cash withdrawals	*6.14*	*6.17*	*6.33*	*5.88*	*6.07*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*0.03*
POS payment transactions	25.36	30.70	34.96	33.56	33.09
E-money card loading/unloading transactions	nap	nap	nap	nap	0
E-money card payment transactions	nav	nav	nav	0.000	0.004
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	5.68	5.83	6.02	nav	7.66
ATM cash withdrawals	*5.68*	*5.83*	*6.02*	*4.46*	*6.04*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*1.62*
POS payment transactions	20.48	22.60	25.00	17.66	25.98
E-money card loading/unloading transactions	nap	nap	nap	0.000	0.000
E-money card payment transactions	nav	nav	nav	nav	0.001

[1] From 2005 to 2007, client (ie non-MFI) transactions only; from 2008, also includes transactions initiated by MFIs to non-MFIs. [2] Usually bills of exchange. [3] From 2006, includes transactions processed in high-value payment systems.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TARGET2-BDF					
Number of participants	308	320	328	320	317
Direct participants	89	114	124	121	123
Banks	83	108	118	116	119
Central bank	1	1	1	1	1
Other direct participants	5	5	5	4	3
Postal institution	*0*	*0*	*0*	*0*	*0*
Clearing and settlement organisations	*2*	*2*	*2*	*2*	*2*
Other financial institutions	*3*	*3*	*3*	*2*	*1*
Other	*0*	*0*	*0*	*0*	*0*
Indirect participants[1]	219	206	204	199	194
Retail payment systems					
CORE (FR)[2]					
Number of participants	402	419	380	367	367
Direct participants	10	10	10	10	10
Banks	8	8	8	8	8
Central bank	1	1	1	1	1
Other direct participants	1	1	1	1	1
General government	*0*	*0*	*0*	*0*	*0*
Postal institution	*0*	*0*	*0*	*0*	*0*
Clearing and settlement organisations	*0*	*0*	*0*	*0*	*0*
Other financial institutions	*1*	*1*	*1*	*1*	*1*
Other	*0*	*0*	*0*	*0*	*0*
Indirect participants[1]	392	409	370	357	357

[illegible] therefore not counted in the number of participants. Since February 2008, these banks have become indirect participants. Furthermore, some foreign institutions located outside the euro area have joined the system as indirect participants. [2] Launched on 28 January 2008, CORE progressively replaced the former retail payment infrastructure SIT, closed on 25 October 2008.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TARGET2-BDF					
Credit transfers sent	8.77	8.66	9.12	9.38	8.94
credit transfers sent within TARGET component	*4.72*	*4.52*	*4.53*	*5.13*	*5.06*
credit transfers sent to another TARGET component	*4.05*	*4.14*	*4.59*	*4.26*	*3.88*
Memo:					
Credit transfers received from another TARGET component	4.62	4.78	5.36	5.62	5.32
Concentration ratio in terms of volume (%)	53.0	53.7	54.2	55.0	55.5
Retail payment systems					
CORE (FR)[1]					
Total transactions sent	13,177.62	13,432.05	13,635.44	13,924.87	14,180.17
credit transfers	*1,940.01*	*1,943.79*	*1,969.02*	*2,021.45*	*2,086.36*
direct debits	*2,292.42*	*2,329.75*	*2,337.02*	*2,303.56*	*2,377.03*
card payments	*5,903.15*	*6,269.27*	*6,596.33*	*6,988.36*	*7,275.22*
ATM transactions	*622.48*	*616.10*	*611.21*	*614.33*	*599.22*
e-money transactions	*nap*	*nap*	*nap*	*nap*	*nap*
cheques	*2,341.81*	*2,198.52*	*2,050.31*	*1,926.43*	*1,774.73*
other payment instruments[2]	*77.76*	*74.62*	*71.56*	*70.74*	*67.62*
Concentration ratio in terms of volume (%)	73.4	82.7	83.0	84.0	82.7

[1] Launched on 28 January 2008, CORE progressively replaced the former retail payment infrastructure SIT, closed on 25 October 2008. 2008 figures correspond to the aggregation of transactions processed in SIT and CORE. [2] Promissory notes.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TARGET2-BDF					
Credit transfers sent	102,301.0	110,243.1	87,565.1	86,777.5	79,194.1
credit transfers sent within TARGET component	*66,122.0*	*74,224.4*	*53,538.7*	*47,773.3*	*42,430.3*
credit transfers sent to another TARGET component	*36,179.0*	*36,018.7*	*34,026.5*	*39,004.2*	*36,763.9*
Memo:					
Credit transfers received from another TARGET component	36,361.1	36,196.8	32,798.2	37,086.6	34,673.8
Concentration ratio in terms of value (%)	64.2	54.7	63.2	62.1	65.6
Retail payment systems					
CORE (FR)[1]					
Total transactions sent	5,373.1	5,405.6	5,376.7	5,373.6	5,541.0
credit transfers	*2,479.0*	*2,602.8*	*2,760.9*	*2,852.1*	*3,055.6*
direct debits	*876.6*	*928.1*	*1,005.6*	*985.5*	*1,003.5*
card payments	*278.9*	*294.8*	*306.0*	*318.3*	*324.9*
ATM transactions	*37.2*	*37.3*	*37.6*	*38.1*	*38.0*
e-money transactions	*nap*	*nap*	*nap*	*nap*	*nap*
cheques	*1,407.8*	*1,266.4*	*1,016.4*	*933.7*	*898.3*
other payment instruments[2]	*293.6*	*276.1*	*250.1*	*245.8*	*220.7*
Concentration ratio in terms of value (%)	81.0	74.8	74.5	75.8	75.3

[1] Launched on 28 January 2008, CORE progressively replaced the former retail payment infrastructure SIT, closed on 25 October 2008. 2008 figures correspond to the aggregation of transactions processed in SIT and CORE. [2] Promissory notes.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	48	53	54	54	58
of which: live	*46*	*52*	*53*	*53*	*58*
Sub-members	109	106	107	107	115
of which: live	*106*	*98*	*98*	*99*	*107*
Participants	317	321	327	331	343
of which: live	*231*	*228*	*232*	*238*	*251*
Total users	474	480	488	492	516
of which: live	*383*	*378*	*383*	*390*	*416*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	200,771	206,062	222,485	241,102	258,370
of which:					
category I	*29,757*	*29,971*	*30,479*	*29,201*	*29,629*
category II	*13,807*	*13,681*	*13,774*	*13,756*	*14,794*
Total messages received	214,016	231,149	249,224	272,504	298,340
of which:					
category I	*27,049*	*28,082*	*28,471*	*27,801*	*28,403*
category II	*10,196*	*10,414*	*9,843*	*10,044*	*10,923*
Domestic traffic	31,471	35,918	39,266	43,715	48,595
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
Euronext Paris					
Total number of participants	179	191	177	156	140
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
Euronext Paris					
Total number of listed securities	18,780	17,351	22,162	30,587	33,806
debt securities	2,556	2,282	2,532	2,573	2,628
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity[1]	586	562	556	550	547
other	15,638	14,507	19,074	27,464	30,631

[1] Number of companies with listed shares.

Table 16

Market capitalisation of listed companies

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Euronext Paris					
Total market capitalisation/equity	1,197.0	1,371.5	1,669.9	1,723.8	1,911.2

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
Euronext Paris[1]					
Total number of executed securities trades	146,894.0	121,038.0	109,377.0	121,091.0	147,112.0
debt securities	340.0	337.0	341.0	293.0	270.0
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	141,464.0	117,348.0	106,002.0	117,918.0	143,237.0
other	5,090.0	3,353.0	3,033.0	2,880.0	3,605.0
Total number of executed derivatives trades	102,375.0	89,847.2	76,249.3	77,201.2	75,335.9
financial futures	*43,566.0*	*38,246.1*	*37,336.3*	*36,973.9*	*35,921.8*
financial options	*49,031.0*	*39,428.3*	*28,360.7*	*27,062.1*	*25,118.3*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
commodity futures	*8,024.0*	*10,042.6*	*8,840.8*	*10,787.4*	*11,909.8*
commodity options	*1,754.0*	*2,130.1*	*1,711.6*	*2,377.9*	*2,385.9*

[1] Single-counted transactions.

Table 18

Value of executed trades

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Euronext Paris					
Total value of executed securities trades	1,281.69	928.86	898.09	1,071.11	1,380.24
debt securities	3.19	3.66	4.38	3.99	4.29
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	1,139.16	858.32	830.54	993.79	1,245.79
other	139.35	66.89	63.17	73.32	130.16
Total value of executed derivatives trades	1,974.000	1,657.168	1,815.614	1,958.207	2,084.283
financial futures	*1,569.100*	*1,270.811*	*1,465.608*	*1,581.496*	*1,717.822*
financial options	*298.030*	*242.219*	*238.656*	*262.130*	*236.890*
commodity futures	*105.900*	*143.100*	*110.804*	*113.936*	*128.961*
commodity options	*0.970*	*1.039*	*0.547*	*0.645*	*0.611*

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
LCH.Clearnet SA					
Total number of clearing members	114	114	109	110	110
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
banks	*79*	*80*	*77*	*76*	*75*
other	*34*	*33*	*31*	*33*	*34*
Number of domestic clearing members[1]	46	46	42	41	41
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*30*	*31*	*30*	*29*	*28*
other	*16*	*15*	*12*	*12*	*13*
Number of foreign clearing members	68	68	67	69	69
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
banks	*49*	*49*	*47*	*47*	*47*
other	*18*	*18*	*19*	*21*	*21*

[1] France, Belgium, the Netherlands and Portugal.

Table 20

Number of contracts and transactions cleared

(millions, total for the year)

	2011	2012	2013	2014	2015
LCH.Clearnet SA					
Total number of contracts and transactions cleared	511.55	435.12	389.74	409.70	459.31
Number of securities transactions cleared[1]	298.379	249.145	225.547	249.584	302.759
debt securities	0.062	0.045	0.042	0.038	0.042
short-term paper	*0.017*	*0.010*	*0.007*	*0.010*	*0.016*
bonds	*0.045*	*0.035*	*0.035*	*0.028*	*0.026*
equity[2]	298.317	249.100	225.505	249.546	302.717
of which: number of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Number of exchange-traded derivatives contracts cleared[3]	213.17	185.97	164.18	160.09	156.54
financial futures	*88.76*	*78.30*	*76.17*	*75.89*	*73.86*
financial options	*104.18*	*82.71*	*66.49*	*57.59*	*53.76*
commodity futures	*16.56*	*20.59*	*18.00*	*21.79*	*24.09*
commodity options	*3.66*	*4.37*	*3.52*	*4.83*	*4.83*
Number of OTC derivatives contracts cleared	0.001	0.003	0.010	0.024	0.017

[1] Cash transactions. [2] Contains all activities for Euronext cash markets (including bonds, shares and warrants). [3] Valuation at the trading price; data before 2008 include commodity products.

Table 21

Value of contracts and transactions cleared

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
LCH.Clearnet SA					
Total value of contracts and transactions cleared	7,016.27	5,677.68	6,192.77	6,559.15	7,644.47
Value of securities transactions cleared[1]	2,872.21	2,138.79	2,071.53	2,377.49	2,973.58
debt securities	459.09	320.17	316.73	315.32	373.88
short-term paper	*161.77*	*92.48*	*76.26*	*100.55*	*172.83*
bonds	*297.32*	*227.69*	*240.47*	*214.78*	*201.05*
equity[2]	2,413.12	1,818.62	1,754.79	2,062.12	2,599.69
of which: value of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Value of exchange-traded derivatives contracts cleared[3]	4,082.23	3,447.65	3,785.42	4,058.68	4,325.34
financial futures	*3,192.47*	*2,596.54*	*2,983.91*	*3,241.01*	*3,527.51*
financial options	*620.38*	*495.03*	*532.65*	*538.97*	*484.28*
commodity futures	*218.67*	*293.14*	*225.77*	*230.24*	*261.50*
commodity options	*50.70*	*62.95*	*43.08*	*48.45*	*52.06*
Value of OTC derivatives contracts cleared	61.83	91.24	335.82	122.98	345.55

[1] Cash transactions. [2] Contains all activities for Euronext cash markets (including bonds, shares and warrants). [3] Valuation at the trading price; data before 2008 include commodity products.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
Euroclear France					
Total number of participants	162	156	157	152	147
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
central securities depositories	*5*	*5*	*4*	*4*	*2*
banks	*100*	*97*	*100*	*101*	*99*
other	*55*	*52*	*51*	*45*	*44*
Number of domestic participants	125	119	118	110	106
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*76*	*73*	*73*	*72*	*69*
other	*47*	*44*	*43*	*36*	*35*
Number of foreign participants	37	37	39	42	41
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*5*	*5*	*4*	*4*	*2*
banks	*24*	*24*	*27*	*29*	*30*
other	*8*	*8*	*8*	*9*	*9*

Table 23

Number of securities held on accounts at CSDs

(end of year)

	2011	2012	2013	2014	2015
Euroclear France[1]					
Total number of securities held	46,740	54,087	52,512	62,476	61,896
debt securities	21,907	27,674	22,311	24,908	17,815
short-term paper	*9,160*	*8,417*	*7,284*	*6,753*	*5,641*
bonds	*12,747*	*19,257*	*15,027*	*18,155*	*12,174*
equity	1,825	1,800	1,797	1,806	1,859
other	23,008	24,613	28,404	35,762	42,222

[1] Includes all types of financial instruments (French and foreign financial instruments, eurobonds and other international financial instruments).

Table 24

Value of securities held on accounts at CSDs

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Euroclear France[1]					
Total value of securities held	5,021.2	5,323.2	5,630.1	5,756.8	6,073.8
debt securities	2,855.5	2,925.3	2,938.4	2,995.2	3,029.1
short-term paper	*925.7*	*894.7*	*771.0*	*683.4*	*554.4*
bonds	*1,929.8*	*2,030.6*	*2,167.4*	*2,311.8*	*2,474.8*
equity	1,167.3	1,351.8	1,659.2	1,723.6	1,916.8
other	998.4	1,046.1	1,032.5	1,038.0	1,127.9

[1] Includes all types of financial instruments (French and foreign financial instruments, eurobonds and other international financial instruments).

Table 25

Number of delivery instructions processed

(thousands, total for the year)

	2011	2012	2013	2014	2015
Euroclear France					
Total number of delivery instructions	27,641	23,620	24,382	24,296	25,612
DVP[1]	24,883	21,137	21,982	21,719	22,465
debt securities	6,658	5,646	5,997	4,438	4,201
short-term paper	*2,265*	*1,687*	*1,599*	*981*	*766*
bonds	*4,393*	*3,959*	*4,398*	*3,457*	*3,435*
equity	13,913	11,953	12,169	13,443	14,158
other	4,312	3,538	3,816	3,838	4,106
free of payment	2,758	2,483	2,400	2,577	3,147
debt securities	577	554	491	545	702
short-term paper	*176*	*149*	*107*	*99*	*81*
bonds	*401*	*405*	*384*	*446*	*621*
equity	1,042	938	965	1,021	1,267
other	1,139	991	944	1,011	1,178

[1] Includes securities movements related to repurchase agreements.

Table 26

Value of delivery instructions processed

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Euroclear France					
Total value of delivery instructions	146,536.8	122,895.5	131,223.6	109,906.6	92,117.7
DVP[1]	127,351.5	105,725.9	115,954.6	82,192.7	74,960.2
debt securities	118,493.8	97,486.5	108,466.3	74,083.9	65,131.6
short-term paper	*55,508.2*	*43,094.0*	*38,396.2*	*22,515.5*	*15,274.4*
bonds	*62,985.6*	*54,392.5*	*70,070.1*	*51,568.4*	*49,857.3*
equity	5,512.2	4,857.9	5,258.7	6,241.6	7,540.0
other	3,345.5	3,381.5	2,229.6	1,867.2	2,288.5
free of payment	19,185.3	17,169.6	15,269.0	27,713.8	17,157.6
debt securities	15,778.5	13,606.1	11,914.8	12,467.5	12,859.1
short-term paper	*8,183.1*	*6,937.0*	*4,920.0*	*4,309.6*	*3,205.5*
bonds	*7,595.4*	*6,669.1*	*6,994.7*	*8,157.9*	*9,653.6*
equity	481.5	534.2	782.0	919.0	763.2
other	2,925.3	3,029.4	2,572.3	14,327.4	3,535.3

[1] Includes securities movements related to repurchase agreements.

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	80,275	80,426	80,646	80,983	81,681
GDP (EUR billions)	2,703.1	2,758.3	2,826.2	2,923.9	3,032.8
GDP per capita (EUR)	33,673	34,296	35,045	36,105	37,130
Consumer price inflation (%)[1]	2.5	2.1	1.6	0.8	0.1
Exchange rate (EUR/USD):					
end of year	*0.7729*	*0.7579*	*0.7251*	*0.8237*	*0.9185*
average	*0.7192*	*0.7788*	*0.7532*	*0.7539*	*0.9019*

[1] Annual average.

Table 2

Settlement media used by non-banks

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks[1]	nap	nap	nap	nap	nap
Value of transferable deposits[2]	1,239.52	1,442.25	1,533.20	1,639.25	1,849.87
Narrow money supply (M1)[1]	nap	nap	nap	nap	nap
Memo:					
Transferable deposits in foreign currencies	38.28	48.76	56.07	63.29	62.14
Outstanding value on e-money storage	0.069	0.081	0.084	0.089	0.103
on card-based products[3]	*0.069*	*0.081*	*0.084*	*0.089*	*0.103*
on software- or network-based products	*nav*	*nav*	*nav*	*nav*	*nav*

[1] These figures are provided solely at an aggregated euro area level (see Euro area, Table 2). [2] All overnight deposits are included - transferable and non-transferable overnight deposits. The counterpart sector "non-banks" includes the component sectors "Central government" and "Rest of the world". Thus, this indicator is not synonymous with the same term used in the ECB concept of narrow money supply (M1). [3] Encompasses only data of the German scheme "GeldKarte".

Table 3

Settlement media used by banks

(EUR billions, average of last reserve maintenance period)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	156.18	214.32	86.08	90.26	224.41
required reserves	*53.15*	*28.57*	*27.26*	*28.60*	*31.20*
free reserves	*103.03*	*185.75*	*58.82*	*61.66*	*193.21*
Transferable balances held at other banks[1]	103.43	119.19	93.68	124.53	125.77
Memo:					
Credit extended by the central bank:					
intraday	*nav*	*nav*	*nav*	*nav*	*nav*
overnight[2]	*0.125*	*0.088*	*0.054*	*0.017*	*0.061*
longer-term refinancing operations[3]	*44.737*	*71.729*	*31.521*	*44.080*	*52.046*

[1] Up to reference period 2009 all overnight deposits are included - transferable and non-transferable overnight deposits. [2] Marginal lending facility. [3] Other monetary policy operations vis-à-vis the Eurosystem.

Table 4

Banknotes and coin[1]

[1] These figures are provided solely at an aggregated euro area level (see Euro area, Table 4) .

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices	47	41	41	41	35
Number of accounts (thousands)	23.55	23.32	23.29	23.27	23.04
Value of accounts (EUR billions)	5.836	40.441	10.802	10.095	74.356
Banks					
Number of institutions	1,903	1,867	1,842	1,808	1,774
Number of branches or offices[1]	39,596	38,132	38,021	37,090	36,291
Number of accounts (thousands)[2]	95,660.7	96,835.1	98,488.4	102,276.9	99,457.7
of which: number of internet/PC-linked accounts (thousands) [2]	*48,206.2*	*50,601.3*	*54,238.1*	*56,720.5*	*59,895.5*
Value of accounts (EUR billions)[3]	1,260.30	1,413.86	1,528.13	1,630.57	1,776.08
Credit institutions legally incorporated in the reporting country					
Number of institutions	1,792	1,758	1,734	1,698	1,666
Number of branches or offices[1]	39,363	37,892	37,776	36,831	36,032
Value of accounts (EUR billions)[3]	1,217.29	1,353.07	1,454.92	1,545.99	1,680.92
Branches of euro area-based credit institutions					
Number of institutions	66	65	63	64	60
Number of branches or offices	154	169	166	182	176
Value of accounts (EUR billions)[3]	25.76	32.12	43.51	55.32	70.73
Branches of EEA-based credit institutions (outside the euro area)					
Number of institutions	26	25	25	27	29
Number of branches or offices	52	41	47	46	48
Value of accounts (EUR billions)[3]	14.24	26.02	25.51	24.03	18.28
Branches of non-EEA based banks					
Number of institutions	19	19	20	19	19
Number of branches or offices	27	30	32	31	35
Value of accounts (EUR billions)[3]	3.02	2.65	4.19	5.23	6.15
Other institutions offering payment services to non-banks					
Number of institutions[4]	38	47	46	45	47
Number of branches or offices	nav	nav	nap	nap	nap
Number of accounts (thousands)	nap	nap	nap	7.44	7.48
Value of accounts	nap	nap	nap	nap	nap

For the footnotes, see the end of the table.

Table 5 (cont)

	2011	2012	2013	2014	2015
Institutions offering payment services to non-banks (total)					
Number of institutions[5]	1,944	1,918	1,893	1,857	1,828
Number of branches or offices	39,643	38,173	38,062	37,131	36,326
Number of accounts held by non-banks (thousands)[2]	95,684.3	96,858.4	98,511.7	102,307.5	99,488.2
of which: number of internet/PC-linked accounts (thousands) [2]	*48,206.2*	*50,601.3*	*54,259.9*	*56,733.6*	*59,909.0*
Value of accounts held by non-banks (EUR billions)	1,266.14	1,454.30	1,538.94	1,640.66	1,850.44
Memo:					
Electronic money institutions					
Number of institutions	2	3	4	3	6
Outstanding value on e-money storages issued by e-money institutions (EUR millions)[6]	nav	nav	nav	0	0

[1] Includes those post office branches of Deutsche Postbank AG which are entrusted with the semi-cashless payment systems on behalf of the Postbank AG. [2] Up to 2014, includes only accounts for transferable deposits and not accounts for card-based e-money. [3] Includes transferable and non-transferable deposits as well as deposits for card-based e-money. [4] From reference period 2012 the number of payment institutions providing services through an established branch is added to the number of payment institutions resident in the country. The recent list of payment institutions resident in the country is published on the website of the German Federal Financial Supervisory Authority (BaFin): http://www.bafin.de/DE/DatenDokumente/Datenbanken/ZahlungsinstituteRegister/register_zahlungsinstitute_node.html. [5] Includes electronic money institutions. [6] Until reference period 2010 by approximation: liabilities to non-MFIs which mature

Table 6

(end of year)

	2011	2012	2013	2014	2015
Cards issued in the country (thousands)[1]					
Cards with a cash function	132,700.5	135,344.1	137,227.1	145,243.6	146,674.9
Cards with a debit function	103,957.4	105,593.6	105,169.3	104,132.1	105,744.9
Cards with a delayed debit function	22,680.8	23,909.6	24,780.7	26,907.7	28,138.1
Cards with a credit function	3,458.5	3,685.0	3,902.1	4,404.9	4,968.8
Cards with an e-money function	96,509.8	97,990.0	98,961.8	94,868.7	91,393.1
of which: cards with an e-money function which have been loaded at least once [2]	*3,467.1*	*3,466.9*	*3,507.1*	*4,018.7*	*2,974.1*
Total number of cards (irrespective of the number of functions on the card)	140,575.5	141,868.7	143,114.0	149,199.7	151,084.5
of which: cards with a combined debit, cash and e-money function	*88,533.7*	*88,785.5*	*90,054.3*	*93,618.6*	*89,362.7*
Memo:					
Retailer cards[3]	10,600.0	9,700.0	9,500.0	nav	nav
Terminals located in the country					
ATMs	84,102	82,610	82,761	86,713	85,886
ATMs with a cash withdrawal function	*56,409*	*56,025*	*56,035*	*57,736*	*57,868*
ATMs with a credit transfer function	*28,630*	*26,931*	*27,377*	*27,837*	*27,682*
POS terminals[4, 5]	710,912	720,000	743,624	1,034,556	998,846
of which: EFTPOS terminals	*710,912*	*720,000*	*743,624*	*654,381*	*662,221*
E-money card terminals	288,730	272,437	271,322	480,169	448,833
e-money card loading/unloading terminals	*52,644*	*53,834*	*53,903*	*60,514*	*61,115*
e-money card payment terminals [5]	*236,086*	*218,603*	*217,419*	*419,655*	*387,715*

Table 8 (cont)

	2011	2012	2013	2014	2015
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	395.59	414.25	427.80	435.83	476.86
ATM cash withdrawals	*333.09*	*342.27*	*345.15*	*344.53*	*372.58*
ATM cash deposits	*62.50*	*71.98*	*82.65*	*91.29*	*104.27*
POS payment transactions[7]	165.42	174.62	194.16	235.33	199.62
E-money card loading/unloading transactions	0.185	0.183	0.160	0.295	0.126
E-money card payment transactions	0.122	0.121	0.108	0.066	nav
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	395.59	414.25	427.80	430.23	472.46
ATM cash withdrawals	*333.09*	*342.27*	*345.15*	*338.94*	*368.18*
ATM cash deposits	*62.50*	*71.98*	*82.65*	*91.29*	*104.27*
POS payment transactions[7]	165.42	174.62	194.16	220.63	186.29
E-money card loading/unloading transactions	0.185	0.183	0.160	0.295	0.126
E-money card payment transactions	0.122	0.121	0.108	0.066	0.079
b) Transactions at terminals in the country by cards issued outside the country[8]					
Cash transactions	nap	nap	nap	5.59	4.40
ATM cash withdrawals	*nap*	*nap*	*nap*	*5.59*	*4.40*
ATM cash deposits	*nap*	*nap*	*nap*	*0*	*0*
POS payment transactions[7]	nap	nap	nap	14.70	13.34
E-money card loading/unloading transactions	nap	nap	nap	0.000	0.000
E-money card payment transactions	nap	nap	nap	0.000	nav
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	9.00	8.52	8.66	7.99	8.47
ATM cash withdrawals	*9.00*	*8.52*	*8.66*	*7.72*	*8.47*
ATM cash deposits[8]	*nap*	*nap*	*nap*	*0.27*	*0*
POS payment transactions[7]	21.53	23.83	29.53	24.02	21.73
E-money card loading/unloading transactions[8]	nap	nap	nap	0	0
E-money card payment transactions[8]	nap	nap	nap	nav	nav

[1] Includes transactions of national non-banks, irrespective of whether they are processed on an intra- or interbank basis. [2] Figures include both national and cross-border transactions. [3] Credits to the accounts by simple book entry have been excluded since 2014. [4] Debits from the accounts by simple book entry have been excluded since 2014. Includes direct debits initiated by a payment card (electronic direct debits: so called "ELV" transactions). [5] Payments with delayed debit and credit cards include transactions with specific non-rechargeable retailer cards. Electronic direct debits known as "ELV" transactions are included here up to 2013. [6] Figures collected by PaySys Consultancy GmbH. [7] Includes e-money card payment transactions. [8] Owing to lack of information, no data are available until 2013.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
T2 BBK					
Number of participants	2,745	2,744	874	944	865
Direct participants[1]	280	283	644	719	719
Banks	273	276	637	712	713
Central bank	1	1	1	1	1
Other direct participants	6	6	6	6	5
Clearing and settlement organisations	*6*	*6*	*6*	*6*	*5*
Indirect participants[1]	2,465	2,461	230	225	146
Retail payment systems					
RPS					
Number of participants	212	204	202	175	182
Direct participants	212	204	202	175	182
Banks	211	203	201	171	178
Central bank	1	1	1	4	4

[1] When the transition period ended in 2013, many formerly indirect participants decided to participate directly.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
T2 BBK					
Credit transfers sent	43.85	43.81	44.40	41.30	44.70
credit transfers sent within T2 BBK	*32.61*	*31.88*	*31.83*	*29.60*	*32.30*
credit transfers sent to another TARGET component	*11.24*	*11.93*	*12.56*	*11.70*	*12.40*
Memo:					
Credit transfers received from another TARGET component	9.12	9.55	9.61	8.90	8.63
Concentration ratio in terms of volume (%)	50.0	50.1	50.0	49.2	52.5
Retail payment systems					
RPS					
Total transactions sent	2,690.06	2,817.08	3,115.51	4,075.26	3,821.95
credit transfers	*1,094.67*	*1,098.99*	*1,214.42*	*1,652.67*	*1,364.81*
cheques and direct debits [1]	*1,595.26*	*1,716.97*	*1,820.85*	*964.00*	*707.07*
direct debits [2]	*0.13*	*1.12*	*80.24*	*1,458.62*	*1,522.51*
card payments [3]	*nav*	*nav*	*nav*	*nav*	*227.57*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of volume (%)	31.5	32.0	29.3	38.9	51.8

[1] RPS is connected to the STEP2 system of EBA CLEARING to carry out cross-border EU retail payments. [2] Direct debits based on SEPA format. [3] Only card transactions based on the SEPA Card Clearing format developed by the Berlin Group (mainly Girocard transactions).

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
T2 BBK					
Credit transfers sent	252,915.2	275,657.0	224,328.7	169,145.0	204,855.2
credit transfers sent within T2 BBK	*192,668.1*	*218,152.5*	*171,489.6*	*116,005.8*	*152,715.6*
credit transfers sent to another TARGET component	*60,247.1*	*57,504.4*	*52,839.1*	*53,139.1*	*52,139.6*
Memo:					
Credit transfers received from another TARGET component	60,180.6	57,994.5	52,344.8	52,708.5	51,716.6
Concentration ratio in terms of value (%)	33.1	28.9	29.5	26.2	45.8
Retail payment systems					
RPS					
Total transactions sent	2,412.3	2,511.1	2,741.4	3,478.9	3,189.0
credit transfers	*1,513.1*	*1,608.1*	*1,817.7*	*2,441.0*	*2,221.3*
cheques and direct debits [1]	*896.6*	*897.0*	*827.3*	*224.8*	*160.5*
direct debits [2]	*2.7*	*6.0*	*96.4*	*813.1*	*791.6*
card payments [3]	*nav*	*nav*	*nav*	*nav*	*15.6*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of value (%)	18.1	14.5	18.4	44.8	57.4

[1] RPS is connected to the STEP2 system of EBA CLEARING to carry out cross-border EU retail payments. [2] Direct debits based on SEPA format. [3] Only card transactions based on the SEPA Card Clearing format developed by the Berlin Group (mainly Girocard transactions).

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	105	109	109	109	113
of which: live	*105*	*108*	*108*	*109*	*113*
Sub-members	117	116	118	116	117
of which: live	*113*	*105*	*106*	*104*	*105*
Participants	194	210	222	232	254
of which: live	*176*	*188*	*205*	*214*	*235*
Total users	416	435	449	457	484
of which: live	*394*	*401*	*419*	*427*	*453*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	371,174	359,783	364,241	394,710	430,448
of which:					
category I	*70,610*	*75,592*	*74,304*	*67,110*	*67,282*
category II	*26,402*	*25,747*	*26,504*	*26,694*	*27,790*
Total messages received	319,608	314,182	320,982	346,039	377,854
of which:					
category I	*70,463*	*73,670*	*73,839*	*69,145*	*70,632*
category II	*33,907*	*32,810*	*33,227*	*33,108*	*34,311*
Domestic traffic	83,501	71,436	65,287	75,314	78,622
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
Xetra					
Total number of participants	227	214	202	186	179
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	122	98	94	86	84
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign participants	105	116	108	100	95
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Xetra Frankfurt Specialist[2] **(since 2011; before: Frankfurt Floor)**					
Total number of participants	228	182	173	162	155
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	199	154	150	144	136
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign participants	29	28	23	18	19
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*

For the footnotes, see the end of the table.

Table 14 (cont)

	2011	2012	2013	2014	2015
Eurex[1]					
Total number of participants	568	576	589	597	609
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	133	136	73	67	60
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign participants	435	440	516	530	549
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*

[1] Encompasses Eurex Frankfurt AG, Eurex Bonds GmbH, Eurex Repo GmbH and Eurex Zürich AG. [2] On 23 May 2011 Frankfurt Floor Trading was transferred to Xetra, the international established trading platform of Deutsche Börse AG. The trading venue "Frankfurt" is named "Xetra Frankfurt Specialist" in the statistics. Instead of total turnover the figures in the statistics are related to order book turnover.

Table 15

Number of listed securities

(thousands, end of year)

	2011	2012	2013	2014	2015
Xetra					
Total number of listed securities	5.71	7.25	5.41	5.32	5.04
debt securities	0.64	1.96	0.06	0.00	0
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	1.17	1.12	1.11	1.16	1.02
other	3.90	4.17	4.24	4.15	4.02
Xetra Frankfurt Specialist (since 2011; before: Frankfurt Floor)					
Total number of listed securities	998.93	1,175.29	1,330.25	1,412.58	1,614.75
debt securities	22.46	22.17	22.79	nav	nav
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	0.75	0.75	0.72	0.67	0.62
other	975.72	1,152.37	1,306.75	1,411.91	1,614.13
Eurex					
Total number of listed securities	nap	nap	nap	nap	nap

Table 16

Market capitalisation of listed companies

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Xetra					
Total market capitalisation/equity	1,132.9	1,305.8	1,709.5	1,683.5	1,781.6
Xetra Frankfurt Specialist (since 2011; before: Frankfurt Floor)					
Total market capitalisation/equity	nap	nap	nap	nap	nap
Eurex					
Total market capitalisation/equity	nap	nap	nap	nap	nap

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
Xetra					
Total number of executed securities trades	134,880.8	109,031.5	109,081.3	115,410.6	143,306.3
debt securities	347.4	674.1	704.3	549.2	455.4
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity[1]	131,628.6	106,455.6	106,382.9	112,836.0	140,352.2
other	2,904.8	1,901.9	1,994.1	2,025.4	2,499.0
Total number of executed derivatives trades	nap	nap	nap	nap	nap
Xetra Frankfurt Specialist (since 2011; before: Frankfurt Floor)					
Total number of executed securities trades	14,144.7	4,337.7	4,182.0	3,946.0	4,557.1
debt securities	472.3	97.1	73.6	58.4	40.5
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity[1, 2]	10,395.3	1,459.6	1,312.0	1,634.3	2,143.6
other	3,277.2	2,781.0	2,796.3	2,253.3	2,373.0
Total number of executed derivatives trades	nap	nap	nap	nap	nap
Eurex[3]					
Total number of executed securities trades	nap	nap	nap	nap	nap
Total number of executed derivatives trades	2,034,668.1	1,503,985.5	1,050,132.8	1,470,061.1	1,140,460.4
financial futures	*1,209,997.0*	*856,626.0*	*529,907.6*	*901,499.5*	*552,664.9*
financial options	*824,671.1*	*647,359.6*	*520,225.2*	*568,561.6*	*587,795.6*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*

[1] Since 2008, these positions have contained exchange-traded funds (ETFs) and undertakings for collective investment in transferable securities (UCITS). [2] Since 2009, these positions have contained reporting transactions. [3] Turnover in Germany and Switzerland.

Table 18

Value of executed trades

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Xetra					
Total value of executed securities trades	1,492.41	1,158.02	1,156.80	1,283.41	1,636.70
debt securities	15.58	18.78	14.06	11.08	8.01
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity[1]	1,449.05	1,118.56	1,122.38	1,253.68	1,605.96
other	27.78	20.69	20.36	18.65	22.72
Total value of executed derivatives trades	nap	nap	nap	nap	nap
Xetra Frankfurt Specialist (since 2011; before: Frankfurt Floor)					
Total value of executed securities trades	375.68	144.86	104.10	110.18	132.11
debt securities[2]	32.78	15.42	9.61	8.26	6.48
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity[1, 3]	301.74	99.52	61.01	81.87	102.93
other	41.16	29.92	33.48	20.05	22.70
Total value of executed derivatives trades	nap	nap	nap	nap	nap
Eurex[4]					
Total value of executed securities trades	nap	nap	nap	nap	nap
Total value of executed derivatives trades	107,309.18	218,065.94	91,687.95	92,528.16	38,473.72
financial futures	*84,622.73*	*178,328.26*	*72,050.97*	*72,493.28*	*21,979.97*
financial options	*22,686.45*	*39,737.68*	*19,636.98*	*20,034.88*	*16,493.75*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*

[1] Since 2008, these positions have contained exchange-traded funds (ETFs) and undertakings for collective investment in transferable securities (UCITS). [2] At market value, not nominal value. [3] Since 2009, these positions have contained reporting transactions. [4] Turnover in Germany and Switzerland.

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
Eurex Clearing AG					
Total number of clearing members	149	163	175	183	186
central bank	*2*	*3*	*3*	*3*	*4*
banks	*147*	*160*	*172*	*180*	*182*
Number of domestic clearing members	62	62	63	63	64
central bank	*1*	*1*	*1*	*1*	*1*
banks	*61*	*61*	*62*	*62*	*63*
Number of foreign clearing members	87	101	112	120	122
central bank	*1*	*2*	*2*	*2*	*3*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*86*	*99*	*110*	*118*	*119*
other	*nav*	*nav*	*nav*	*nav*	*nav*

Table 20

Number of contracts and transactions cleared

(millions, total for the year)

	2011	2012	2013	2014	2015
Eurex Clearing AG					
Total number of contracts and transactions cleared	4,347.78	3,514.68	3,313.52	3,171.40	3,581.52
Number of securities transactions cleared	260.95	195.41	208.80	188.26	236.31
debt securities	0.27	0.21	0.25	0.28	0.19
short-tem paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	260.69	195.19	208.56	187.99	236.12
other	nav	nav	nav	nav	nav
of which: number of repurchase transactions cleared	*0.250*	*0.197*	*0.232*	*0.245*	*0.163*
debt securities	*0.250*	*0.197*	*0.232*	*0.245*	*0.163*
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
Number of exchange-traded derivatives contracts cleared[1]	4,086.832	3,319.276	3,104.718	2,983.133	3,345.201
financial futures	*2,430.337*	*1,974.189*	*1,923.186*	*1,832.760*	*1,992.823*
financial options	*1,655.998*	*1,344.465*	*1,179.714*	*1,147.993*	*1,352.256*
commodity futures	*0.463*	*0.590*	*1.745*	*2.355*	*0.120*
commodity options	*0.034*	*0.032*	*0.073*	*0.025*	*0.002*
Number of OTC derivatives contracts cleared	0	0	0	0	0

[1] Turnover in Germany and Switzerland.

Table 21

Value of contracts and transactions cleared

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Eurex Clearing AG					
Total value of contracts and transactions cleared	238,215.1	192,497.0	207,039.6	217,550.0	245,756.7
Value of securities transactions cleared	23,459.1	19,274.5	23,400.9	31,950.0	26,008.3
debt securities	20,440.3	17,070.7	21,085.5	29,229.4	22,491.5
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	3,018.8	2,203.8	2,315.5	2,720.5	3,516.8
other	nav	nav	nav	nav	nav
of which: value of repurchase transactions cleared	*20,210.0*	*16,837.5*	*20,863.0*	*28,959.8*	*22,250.8*
debt securities	*20,206.0*	*16,831.4*	*20,857.7*	*28,953.3*	*22,231.2*
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	*4.0*	*6.2*	*5.3*	*6.5*	*19.7*
Value of exchange-traded derivatives contracts cleared[1]	214,756.0	173,222.4	183,623.4	185,364.9	219,444.5
financial futures	*169,337.0*	*133,093.3*	*144,207.9*	*145,121.9*	*163,694.3*
financial options	*45,406.3*	*40,116.0*	*39,307.1*	*40,132.9*	*55,747.6*
commodity futures	*9.0*	*9.2*	*106.1*	*110.0*	*2.4*
commodity options	*3.8*	*3.8*	*2.3*	*0.2*	*0.1*
Value of OTC derivatives contracts cleared	0	0.1	15.2	235.1	303.9

[1] Turnover in Germany and Switzerland.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
Clearstream Banking AG					
Total number of participants	376	405	359	298	288
central bank	*1*	*2*	*2*	*2*	*2*
central counterparties (CCPs)	*2*	*3*	*2*	*2*	*2*
central securities depositories	*11*	*11*	*14*	*11*	*10*
banks	*262*	*295*	*251*	*243*	*223*
other	*100*	*94*	*90*	*40*	*51*
Number of domestic participants	181	199	182	179	169
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*2*	*2*	*2*	*2*	*2*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*132*	*158*	*145*	*154*	*132*
other	*46*	*38*	*34*	*22*	*34*
Number of foreign participants	195	206	177	119	119
central bank	*0*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*1*	*0*	*0*	*0*
central securities depositories	*11*	*11*	*14*	*11*	*10*
banks	*130*	*137*	*106*	*89*	*91*
other	*54*	*56*	*56*	*18*	*17*

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
Clearstream Banking AG					
Total number of securities held	2,232.9	2,655.7	3,938.4	4,171.1	4,703.0
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other[1]	2,232.9	2,655.7	3,938.4	4,171.1	4,703.0

[1] Non-debt securities. Since 2011, revision of data collection method and therefore exclusion of multiple data entries.

Table 24

Value of securities held on accounts at CSDs

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Clearstream Banking AG					
Total value of securities held	5,788.69	6,003.10	6,376.07	7,573.77	7,806.77
debt securities	3,655.87	3,728.18	3,791.37	3,670.60	3,598.30
short-term paper	*101.91*	*129.47*	*101.90*	*112.30*	*106.85*
bonds	*3,553.95*	*3,598.71*	*3,689.47*	*3,558.30*	*3,491.45*
equity	1,813.02	1,944.10	2,284.75	1,778.12	1,803.89
other	319.81	330.82	299.95	2,125.05	2,404.58

Table 25

Number of delivery instructions processed

(thousands, total for the year)

	2011	2012	2013	2014	2015
Clearstream Banking AG					
Total number of delivery instructions	63,168.6	52,795.3	60,934.6	55,331.8	61,174.0
DVP	51,189.9	43,458.0	48,336.6	43,458.0	49,010.9
debt securities	4,614.6	5,469.1	6,712.6	4,166.6	3,691.5
short-term paper	*101.4*	*135.3*	*462.6*	*391.1*	*385.0*
bonds	*4,513.2*	*5,333.8*	*6,250.0*	*3,775.5*	*3,306.5*
equity	30,063.9	25,418.2	28,500.0	25,166.4	27,801.7
other	16,511.3	12,570.6	13,123.9	14,125.0	17,517.7
free of payment	11,978.8	9,337.4	12,598.0	11,873.8	12,163.1
debt securities	3,097.3	2,542.2	4,126.7	3,334.4	2,891.2
short-term paper	*47.5*	*68.5*	*164.1*	*145.5*	*131.3*
bonds	*3,049.8*	*2,473.7*	*3,962.6*	*3,188.9*	*2,759.9*
equity	8,227.5	6,137.7	7,704.8	7,779.1	8,636.1
other	654.0	657.5	766.4	760.3	635.8

Table 26

Value of delivery instructions processed

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Clearstream Banking AG					
Total value of delivery instructions	80,049.3	55,783.6	59,686.0	79,739.6	66,724.5
DVP	40,093.3	32,046.7	24,518.0	31,282.8	23,851.8
debt securities	13,466.7	11,860.4	19,624.0	25,833.8	16,787.3
short-term paper	*952.8*	*965.7*	*1,544.0*	*1,529.0*	*1,453.5*
bonds	*12,513.9*	*10,894.6*	*18,080.0*	*24,304.9*	*15,333.8*
equity	6,074.6	4,198.6	4,745.0	5,281.2	6,863.5
other	20,552.0	15,987.8	149.0	167.8	201.0
free of payment	39,956.1	23,737.0	35,168.0	48,456.9	42,872.8
debt securities	27,539.9	21,576.0	29,751.0	42,237.0	35,903.7
short-term paper	*1,172.8*	*609.7*	*1,521.0*	*1,512.4*	*1,153.6*
bonds	*26,367.1*	*20,966.3*	*28,230.0*	*40,724.7*	*34,750.1*
equity	12,328.1	2,136.1	5,317.0	6,079.4	6,834.0
other	88.0	24.9	100.0	140.4	135.0

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	7,112.4	7,177.9	7,221.8	7,266.5	7,324.8
GDP (HKD billions)	1,934.4	2,037.1	2,138.0	2,258.2	2,397.1
GDP per capita (HKD)	271,980	283,796	296,049	310,772	327,261
Consumer price inflation (%)[2]	5.3	4.1	4.3	4.4	3.0
Exchange rate (HKD/USD):					
end of year	*7.7690*	*7.7510*	*7.7540*	*7.7580*	*7.7500*
average	*7.7849*	*7.7571*	*7.7566*	*7.7545*	*7.7524*

[1] At end-year. [2] Yearly average.

Table 2

Settlement media used by non-banks

(HKD billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks[1]	248.30	281.86	313.88	330.09	349.34
Value of transferable deposits[2]	546.42	639.06	686.46	786.59	904.04
Narrow money supply (M1)[3]	794.73	920.92	1,000.34	1,116.68	1,253.38
Memo:					
Transferable deposits in foreign currencies	332.59	456.44	510.55	592.05	717.77
Outstanding value on e-money storage	nav	nav	nav	nav	nav

[1] Includes commemorative coins. [2] Customers' demand deposits placed with licensed banks. [3] Notes and coins in circulation and customers' demand deposits placed with licensed banks.

Table 3

Settlement media used by banks

(HKD billions, end of period unless otherwise stated)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank[1]	148.68	255.85	164.09	239.18	391.34
required reserves	*nap*	*nap*	*nap*	*nap*	*nap*
free reserves	*nap*	*nap*	*nap*	*nap*	*nap*
Transferable balances held at other banks	nap	nap	nap	nap	nap
Memo:					
Credit extended by the central bank:[2]					
intraday[3]	*12,732.04*	*12,052.31*	*10,644.06*	*9,479.35*	*7,603.16*
overnight[4]	*6.70*	*3.00*	*5.06*	*1.90*	*2.81*
longer refinancing operations	*nap*	*nap*	*nap*	*nap*	*nap*

[1] Closing balance of the aggregate balance of HKD settlement accounts. [2] Total for the year. [3] HKD intraday repos. [4] HKD discount window activities.

Table 4

Banknotes and coin

(HKD millions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	269,998	301,925	340,216	353,510	371,826
Total banknotes issued	259,815	291,675	329,325	342,165	360,165
HKD 1,000	*145,071*	*169,229*	*190,766*	*168,724*	*169,101*
HKD 500	*68,721*	*74,105*	*85,681*	*116,700*	*131,741*
HKD 150	*124*	*124*	*124*	*124*	*412*
HKD 100	*25,162*	*26,854*	*29,349*	*31,497*	*32,767*
HKD 50	*6,802*	*6,969*	*7,941*	*8,638*	*9,356*
HKD 20	*10,949*	*11,434*	*12,522*	*13,553*	*13,894*
HKD 10	*2,888*	*2,862*	*2,844*	*2,831*	*2,796*
other denominations [1]	*98*	*98*	*98*	*98*	*98*
Total government notes issued	3,716	3,502	3,807	3,946	4,038
HKD 10	*3,715*	*3,501*	*3,806*	*3,945*	*4,037*
HKD 0.01 (demonetised)	*1*	*1*	*1*	*1*	*1*
Total coin issued	5,992	6,273	6,609	6,924	7,148
HKD 10	*1,189*	*1,226*	*1,275*	*1,321*	*1,347*
HKD 5	*1,743*	*1,852*	*1,969*	*2,082*	*2,174*
HKD 2	*1,372*	*1,454*	*1,554*	*1,643*	*1,704*
HKD 1	*965*	*1,000*	*1,047*	*1,090*	*1,122*
HKD 0.5	*346*	*356*	*369*	*382*	*391*
HKD 0.2	*217*	*221*	*226*	*232*	*235*
HKD 0.1	*155*	*159*	*164*	*169*	*170*
HKD 0.05 (demonetised)	*5*	*5*	*5*	*5*	*5*
Commemorative coins	475	475	475	475	475
Banknotes and coin held by banks	21,696	20,060	26,337	23,424	22,486
Banknotes and coin in circulation outside banks[2]	248,302	281,865	313,879	330,086	349,340

[1] HKD 25, 5 and 1 notes. [2] Includes commemorative coins.

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices[1]	0	0	0	0	0
Number of accounts, all	nap	nap	nap	nap	nap
Value of accounts	nap	nap	nap	nap	nap
Authorised institutions[2]					
Number of institutions	198	200	201	203	199
Number of branches or offices	1,620	1,604	1,585	1,578	1,526
Number of accounts	nav	nav	nav	nav	nav
Value of accounts	nav	nav	nav	nav	nav
Licensed banks					
Number of institutions	152	155	156	159	157
Number of branches or offices	1,489	1,475	1,456	1,451	1,436
Restricted licence banks					
Number of institutions	20	21	21	21	24
Number of branches or offices	23	24	24	24	31
Deposit-taking companies					
Number of institutions	26	24	24	23	18
Number of branches or offices	108	105	105	103	59
Branches of foreign banks					
Number of institutions	137	141	143	145	142
Number of branches or offices	275	274	269	267	259

[1] The Hong Kong Monetary Authority has one overseas representative office (in New York); it does not offer payment services to non-banks. [2] Licensed banks, restricted licence banks and deposit-taking companies. Each of these authorised institutions may be a branch of a foreign bank.

Payment card functions and accepting devices

(thousands, end of year)

	2011	2012	2013	2014	2015
Cards issued in the country					
Cards with a debit function	nav	nav	nav	nav	nav
Cards with a credit function[1]	16,484	17,437	18,123	18,510	19,044
Total number of cards (irrespective of the number of functions on the card)	nav	nav	nav	nav	nav

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions

(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Card payments with cards issued in the country[1]	nav	nav	nav	nav	nav
payments by cards with a debit function	*109.72*	*112.23*	*114.10*	*118.34*	*126.08*
payments by cards with a credit function	*391.54*	*431.62*	*462.11*	*482.01*	*515.88*

[1]

(HKD billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Card payments with cards issued in the country[1]	nav	nav	nav	nav	nav
payments by cards with a debit function	*207.66*	*221.45*	*233.73*	*247.82*	*273.16*
payments by cards with a credit function	*408.31*	*449.26*	*479.90*	*518.82*	*557.67*

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
CCASS					
Total number of clearing members	24,006	24,344	24,573	24,884	25,286
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*nav*	*nap*	*nap*	*nap*	*nap*
other [1]	*24,006*	*24,344*	*24,573*	*24,884*	*25,286*
Number of domestic clearing members	nap	nap	nap	nap	nap
Number of foreign clearing members	nap	nap	nap	nap	nap

[1] Including clearing, custodian, stock pledgee, clearing agency and investor participants.

Table 20

Number of contracts and transactions cleared[1]

(thousands, total for the year)

	2011	2012	2013	2014	2015
CCASS					
Total number of contracts and transactions cleare	16,267	14,048	16,630	18,591	21,689
Number of securities transactions cleared	16,267	14,048	16,630	18,591	21,689
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other[2]	16,267	14,048	16,630	18,591	21,689
of which: number of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Number of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

[1] Number of contracts and transactions cleared refers to the number of Continuous Net Settlement (CNS) stock positions settled after netting of CNS trades. [2] Including equity, debts, preference shares, registered/derivative warrants, equity-linked instruments, CBBCs, unit trusts/ mutual funds, rights and depository receipts.

Table 21

Value of contracts and transactions cleared

(HKD billions, total for the year)

	2011	2012	2013	2014	2015
CCASS[1]					
Total value of contracts and transactions cleared	32,060.5	24,222.7	28,037.8	31,668.6	47,738.3
Value of securities transactions cleared	32,060.5	24,222.7	28,037.8	31,668.6	47,738.3
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other[2]	32,060.5	24,222.7	28,037.8	31,668.6	47,738.3
of which: value of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Value of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

[1] Data for 2006-08 revised to reflect total value of contracts and transactions cleared for Continuous Net Settlement (CNS) trades with money obligations arising from novated contracts. [2] Including equity, debts, preference shares, registered/ derivative warrants, equity-linked instruments, CBBCs, unit trusts/mutual funds, rights and depositary receipts.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
CCASS					
Total number of participants	24,006	24,344	24,573	24,884	25,286
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
central securities depositories	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*41*	*40*	*36*	*35*	*36*
other [1]	*23,965*	*24,304*	*24,537*	*24,849*	*25,250*
Number of domestic participants	nap	nap	nap	nap	nap
Number of foreign participants	nap	nap	nap	nap	nap
CMU [2]					
Total number of participants	173	180	184	205	206
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
central securities depositories	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav

[1] Including brokers, investors, clearing agency and stock pledgee participants. [2] CMU is a CSD which provides clearing and settlement services for debt securities in Hong Kong SAR. These services are integrated with the depository services.

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
CCASS					
Total number of securities held	6,617	6,725	8,217	8,529	8,362
debt securities	79	83	91	102	106
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	1,502	1,554	1,649	1,756	1,869
other[1]	5,036	5,088	6,477	6,671	6,387
CMU[2]					
Total number of securities held	1.562	2.025	2.211	2.240	2.069
debt securities	1.562	2.025	2.211	2.240	2.069
short-term paper	*0.620*	*0.889*	*0.972*	*0.973*	*0.791*
bonds	*0.942*	*1.136*	*1.239*	*1.267*	*1.278*

[1] Including preference shares, registered/derivative warrants, equity-linked instruments, CBBCs, unit trust/mutual funds, rights and depository receipts. [2] CMU is a CSD which provides clearing and settlement services for debt securities in Hong Kong SAR. These services are integrated with the depository services.

Table 24

Value of securities held on accounts at CSDs

(HKD billions, end of year)

	2011	2012	2013	2014	2015
CCASS					
Total value of securities held	9,599.91	12,330.06	13,878.91	14,911.89	15,071.15
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other[1]	9,599.91	12,330.06	13,878.91	14,911.89	15,071.15
CMU[2]					
Total value of securities held	1,265.25	1,542.07	1,787.59	1,827.33	1,868.77
debt securities	1,265.25	1,542.07	1,787.59	1,827.33	1,868.77
short-term paper	*760.73*	*871.11*	*1,007.92*	*990.77*	*1,051.53*
bonds	*504.52*	*670.96*	*779.67*	*836.56*	*817.25*

[1] Including equity, debts, preference shares, registered/derivative warrants, equity-linked instruments, CBBCs, unit trusts/ mutual funds, rights and depository receipts. [2] CMU is a CSD which provides clearing and settlement services for debt securities in Hong Kong SAR. These services are integrated with the depository services.

Table 25

Number of delivery instructions processed

(thousands, total for the year)

	2011	2012	2013	2014	2015
CCASS					
Total number of delivery instructions[1]	20,653	18,029	20,196	21,761	24,759
DVP	nav	nav	nav	nav	nav
free of payment	nav	nav	nav	nav	nav
CMU					
Total number of delivery instructions	113.981	88.565	92.480	97.870	86.165
DVP	95.453	46.546	46.038	53.835	43.394
debt securities	95.453	46.546	46.038	53.835	43.394
short-term paper	*45.037*	*15.803*	*15.243*	*15.700*	*8.034*
bonds	*50.416*	*30.743*	*30.795*	*38.135*	*35.360*
free of payment	18.528	42.019	46.442	44.035	42.771
debt securities	18.528	42.019	46.442	44.035	42.771
short-term paper	*1.553*	*15.993*	*12.790*	*14.958*	*6.466*
bonds	*16.975*	*26.026*	*33.652*	*29.077*	*36.305*

[1] Both delivering and receiving instructions are counted.

Table 26

Value of delivery instructions processed

(HKD billions, total for the year)

	2011	2012	2013	2014	2015
CCASS					
Total value of delivery instructions[1]	51,807.17	43,797.48	52,497.39	50,217.04	62,187.95
DVP	nav	nav	nav	nav	nav
free of payment	nav	nav	nav	nav	nav
CMU					
Total value of delivery instructions	131,530.87	6,470.70	5,777.34	5,384.87	3,857.15
DVP	131,101.20	5,909.51	5,194.64	4,796.82	3,332.00
debt securities	131,101.20	5,909.51	5,194.64	4,796.82	3,332.00
short-term paper	*83,538.00*	*5,199.08*	*4,532.80*	*4,006.45*	*2,600.77*
bonds	*47,563.20*	*710.43*	*661.84*	*790.37*	*731.23*
free of payment	429.67	561.19	582.70	588.05	525.15
debt securities	429.67	561.19	582.70	588.05	525.15
short-term paper	*327.52*	*322.34*	*347.11*	*311.63*	*304.45*
bonds	*102.15*	*238.85*	*235.59*	*276.42*	*220.70*

[1] Both delivering and receiving instructions are counted.

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (millions)	1,202	1,217	1,233	1,267	1,283
GDP (INR billions)	87,360.4	99,513.4	112,727.6	124,882.1	135,760.9
GDP per capita (INR)	72,679	81,769	91,425	98,565	105,815
Consumer price inflation (%)	8.9	9.3	10.9	6.3	4.9
Exchange rate (INR/USD):					
end of year	*53.27*	*54.78*	*61.90*	*63.33*	*66.33*
average	*46.67*	*53.49*	*58.65*	*61.02*	*64.13*

Table 2

Settlement media used by non-banks

(INR billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks	10,227.3	11,301.2	12,476.3	13,863.1	15,972.2
Value of transferable deposits	10,671.9	10,739.0	12,340.9	13,563.1	14,916.6
Narrow money supply (M1)	16,978.1	18,128.7	19,896.9	21,885.8	24,581.9
Memo:					
Transferable deposits in foreign currencies	nap	nap	nap	nap	nap
Outstanding value on e-money storage	12.141	10.115	10.436	13.919	21.006
on card-based products	*nav*	*5.153*	*4.926*	*7.791*	*10.823*
on software- or network-based products	*nav*	*4.96171*	*5.510*	*6.128*	*10.183*

Table 3

Settlement media used by banks

(INR billions, average for December)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	3,562.9	3,206.7	4,297.0	4,655.6	5,018.3
required reserves	*3,323.3*	*3,019.1*	*4,070.9*	*4,396.8*	*4,739.3*
free reserves	*nav*	*nav*	*nav*	*nav*	*nav*
Transferable balances held at other banks	nav	nav	nav	nav	nav
Memo:					
Credit extended by the central bank:					
intraday	*nav*	*nav*	*nav*	*nav*	*nav*
overnight	*nav*	*nav*	*nav*	*nav*	*nav*
longer refinancing operations (repos)	*nav*	*nav*	*nav*	*nav*	*nav*

Table 4

Banknotes and coin

(INR billions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	10,662.88	11,800.37	13,003.55	14,482.74	16,634.32
Total banknotes issued	10,528.30	11,647.21	12,830.55	14,288.96	16,415.71
INR 1,000	*3,468.81*	*4,299.00*	*5,081.37*	*5,612.45*	*6,325.68*
INR 500	*5,128.07*	*5,359.50*	*5,702.48*	*6,563.91*	*7,853.75*
INR 100	*1,411.88*	*1,442.10*	*1,476.46*	*1,502.65*	*1,577.83*
INR 50	*174.38*	*173.05*	*172.42*	*174.36*	*194.50*
INR 20	*70.20*	*76.50*	*85.69*	*86.99*	*98.47*
INR 10	*230.02*	*251.68*	*266.48*	*303.04*	*320.15*
INR 5	*36.43*	*36.87*	*37.14*	*37.02*	*36.80*
INR 2	*8.51*	*8.51*	*8.51*	*8.54*	*8.53*
Total coin issued	134.58	153.16	173.00	193.78	218.61
of which:					
INR 10	*6.48*	*12.67*	*20.00*	*27.50*	*37.03*
INR 5	*49.90*	*53.38*	*58.00*	*63.80*	*70.45*
INR 2	*36.40*	*44.23*	*50.00*	*54.07*	*59.26*
INR 1	*34.41*	*35.88*	*38.00*	*41.41*	*44.87*
other	*7.39*	*7.00*	*7.00*	*7.00*	*7.00*
Banknotes and coin held by banks	435.60	499.14	527.27	619.63	662.09
Banknotes and coin in circulation outside banks	10,227.28	11,301.23	12,476.28	13,863.11	15,972.23

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices	17	17	17	20	20
Number of accounts (thousands)	0.093	0.084	0.084	0.048	0.051
Value of accounts, all (INR billions)	2,232.9	2,024.8	2,327.0	4,624.0	4,953.7
Memo:					
Number of accounts, banks (thousands)[1]	0.197	0.146	0.147	0.336	0.345
Banks					
Number of institutions	1,789	1,759	1,740	1,730	1,726
Number of branches or offices	107,645	122,092	128,193	136,964	144,164
Number of accounts (thousands)	nav	nav	nav	nav	nav
of which: number of internet/PC-linked accounts (thousands)	*nav*	*nav*	*nav*	*nav*	*nav*
Value of accounts (INR billions)	68,763.8	79,139.8	90,836.3	100,584.5	107,938.0
Public sector banks					
Number of institutions	26	26	27	27	27
Number of branches or offices	68,849	73,818	81,750	87,278	90,420
Value of accounts (INR billions)	50,020.1	57,457.0	65,890.2	71,954.8	74,861.8
Private banks					
Number of institutions	20	20	20	20	21
Number of branches or offices	13,578	21,985	18,090	20,070	22,799
Value of accounts (INR billions)	11,745.9	13,958.4	15,916.9	18,344.7	21,476.7
Regional rural banks					
Number of institutions	82	62	57	56	56
Number of branches or offices	16,597	17,096	18,426	19,472	20,416
Value of accounts (INR billions)	1,830.1	2,064.6	2,333.7	2,662.1	3,066.2
Urban co-operative banks[2]					
Number of institutions	1,618	1,606	1,589	1,579	1,574
Number of branches or offices	8,235	8,790	9,526	9,722	10,091
Value of accounts (INR billions)	2,386.0	2,769.0	3,155.0	3,551.3	3,921.8
Non-scheduled commercial banks					
Number of institutions	4	4	4	4	4
Number of branches or offices	69	79	90	106	118
Value of accounts (INR billions)	11.1	13.1	16.2	20.1	23.9
Branches of foreign banks					
Number of institutions	39	41	43	44	44
Number of branches or offices	317	324	311	316	320
Value of accounts (INR billions)	2,770.6	2,877.8	3,524.2	4,051.5	4,587.6
Other institutions offering payment services to non-banks: post office					
Number of institutions[3]	1	1	1	1	1
Number of branches or offices	nav	nav	nav	nav	nav
Value of accounts (INR billions)	nav	nav	nav	nav	nav

For the footnotes, see the end of the table.

Table 5 (cont)

	2011	2012	2013	2014	2015
Institutions offering payment services to non-banks (total)					
Number of institutions	1,791	1,761	1,742	1,732	1,728
Number of branches or offices	107,662	122,109	128,210	136,984	144,184
Number of accounts held by non-banks (thousands)	nav	nav	nav	nav	nav
of which: number of internet/PC-linked accounts	*nav*	*nav*	*nav*	*nav*	*nav*
Value of accounts held by non-banks (INR billions)	70,996.7	81,164.6	93,163.3	105,208.5	112,891.7
Memo:					
Electronic money institutions					
Number of institutions	nav	nav	nav	nav	nav
Outstanding value on e-money storages issued by e-money institutions	12,140.6	10,114.8	10,436.3	13,919.2	21,005.9

[1] For Mumbai only. [2] Includes schedule and non-schedule urban cooperative banks. [3] Department of Post also provides payment services.

Table 6

Payment card functions and accepting devices

(millions, end of year)

	2011	2012	2013	2014	2015
Cards issued in the country					
Cards with a cash function[1]	296.40	351.19	414.04	575.03	686.57
Cards with a debit function	278.28	331.20	394.42	553.45	661.54
Cards with a delayed debit function	0.47	0.44	0.43	0.46	0.53
Cards with a credit function	17.65	19.55	19.18	21.11	24.51
Cards with an e-money function	10.50	12.44	9.63	17.47	61.36
of which: cards with an e-money function which have been loaded at least once	*nav*	*nav*	*nav*	*nav*	*nav*
Total number of cards (irrespective of the number of functions on the card)	296.40	351.19	414.04	575.03	686.57
of which: cards with a combined debit, cash and e-money function[2]	*278.28*	*331.20*	*394.42*	*553.45*	*661.54*
Memo:					
Retailer cards	nap	nap	nap	nap	nap
Terminals located in the country					
ATMs	0.096	0.114	0.162	0.189	0.212
ATMs with a cash withdrawal function	*0.096*	*0.114*	*0.162*	*0.189*	*0.212*
ATMs with a credit transfer function	*nap*	*nap*	*nap*	*nap*	*nap*
POS terminals	0.661	0.846	1.066	1.127	1.386
EFTPOS terminals	*0.661*	*0.846*	*1.066*	*1.127*	*1.386*
E-money card terminals	nav	nav	nav	nav	nav

[1] Cooperative bank data not available. [2] Figures relate to debit cards only.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	403.2	586.0	910.0	1,135.7	1,390.2
paper-based	*nap*	*nap*	*nap*	*nap*	*nap*
non-paper-based	*403.2*	*586.0*	*910.0*	*1,135.7*	*1,390.2*
Direct debits	164.7	176.5	192.9	226.0	224.8
Card payments with cards issued in the country	5,745.4	6,414.3	7,241.6	8,514.3	10,067.7
payments by cards with a debit function	*5,409.5*	*5,999.2*	*6,711.9*	*7,872.5*	*9,247.0*
payments by cards with a delayed debit	*13.8*	*16.0*	*17.7*	*22.4*	*29.0*
payments by cards with a credit function	*322.2*	*399.1*	*512.0*	*619.4*	*791.7*
E-money payment transactions	30.6	66.1	133.6	310.7	748.0
by cards with an e-money function	*nav*	*nav*	*nav*	*nav*	*nav*
through other e-money storages	*nav*	*nav*	*nav*	*nav*	*nav*
Cheques	1,341.9	1,313.7	1,257.3	1,195.8	1,096.4
Other payment instruments	nap	nap	nap	nap	nap
Total number of transactions with payment instruments	7,685.8	8,556.6	9,735.5	11,382.5	13,527.1
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	5,084.1	5,532.7	6,095.8	7,068.7	8,079.4
ATM cash withdrawals	*5,084.1*	*5,532.7*	*6,095.8*	*7,068.7*	*8,079.4*
ATM cash deposits [1]	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	647.5	865.7	1,091.1	1,423.2	1,959.3
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	30.6	66.1	133.6	310.7	748.0
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	5,071.6	5,525.4	6,087.3	7,059.9	8,071.5
ATM cash withdrawals	*5,071.6*	*5,525.4*	*6,087.3*	*7,059.9*	*8,071.5*
ATM cash deposits1	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	629.0	850.3	1,075.0	1,405.0	1,936.3
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	30.6	66.1	133.6	310.7	748.0
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	12.5	7.3	8.4	8.8	7.9
ATM cash withdrawals	*12.5*	7.3	*8.4*	*8.8*	*7.9*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions	18.5	15.3	16.1	18.2	23.0
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	5.1	5.4	5.9	6.8	7.6
ATM cash withdrawals	*5.1*	*5.4*	*5.9*	*6.8*	*7.6*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions	27.9	26.6	37.1	46.4	55.9
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap

[1] Some ATMs have the facility of cash deposit. This information is not collected.

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions

(INR billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	743,123.9	707,634.7	780,625.9	815,855.3	908,910.6
paper-based	*nap*	*nap*	*nap*	*nap*	*nap*
non-paper-based	*743,123.9*	*707,634.7*	*780,625.9*	*815,855.3*	*908,910.6*
Direct debits	833.6	1,083.1	1,268.0	1,739.8	1,651.5
Card payments with cards issued in the country	12,728.9	18,765.1	22,323.8	25,736.8	29,634.9
payments by cards with a debit function	*11,903.2*	*17,393.4*	*20,612.5*	*23,621.9*	*26,960.6*
payments by cards with a delayed debit	*110.7*	*127.7*	*154.6*	*192.3*	*237.3*
payments by cards with a credit function	*714.9*	*1,243.9*	*1,556.7*	*1,922.6*	*2,437.0*
E-money payment transactions	62.0	79.2	82.4	212.8	487.6
by cards with an e-money function	*nav*	*nav*	*nav*	*nav*	*nav*
through other e-money storages	*nav*	*nav*	*nav*	*nav*	*nav*
Cheques	99,012.1	100,181.8	93,438.2	85,439.3	81,860.8
Other payment instruments	nap	nap	nap	nap	nap
Total value of transactions with payment instruments	855,760.5	827,743.9	897,738.2	928,984.1	1,022,545.3
of which: cross-border transactions sent	*nap*	*nap*	*nap*	*nap*	*nav*
Memo:					
Cross-border transactions received	nap	nap	nap	nap	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	14,010.32	16,664.50	19,674.83	22,431.92	25,401.77
ATM cash withdrawals	*14,010.32*	*16,664.50*	*19,674.83*	*22,431.92*	*25,401.77*
ATM cash deposits [1]	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	1,500.45	1,972.90	2,494.36	3,112.57	3,995.88
E-money card loading/unloading transactions	nav	nav	nav	nav	nap
E-money card payment transactions	62.01	78.67	80.87	212.85	487.58
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	13,926.64	16,571.22	19,605.45	22,358.39	25,333.40
ATM cash withdrawals	13,926.64	*16,571.22*	19,605.45	*22,358.39*	*25,333.40*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	1,300.76	1,829.37	2,292.37	2,894.40	3,713.77
E-money card loading/unloading transactions	nap	nap	nap	nap	nav
E-money card payment transactions	62.01	78.67	80.87	212.85	487.58
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	83.68	93.28	69.37	73.53	68.37
ATM cash withdrawals	*83.68*	*93.28*	*69.37*	*73.53*	*68.37*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nap*
POS payment transactions	199.69	143.53	201.99	218.18	282.11
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	73.68	84.45	101.50	121.10	135.16
ATM cash withdrawals	*73.68*	*84.45*	*101.50*	*121.10*	*135.16*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nap*
POS payment transactions	156.69	132.91	207.18	254.79	319.44
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap

[1] Some ATMs have the facility of cash deposit. This information is not collected.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
RTGS					
Number of participants	128	160	172	177	192
Direct participants	128	160	172	177	192
Banks	114	145	157	164	177
Central bank	1	1	1	1	1
Other direct participants	13	14	14	12	14
General government	*nap*	*nap*	*nap*	*nap*	*nap*
Postal institution	*nap*	*nap*	*nap*	*nap*	*nap*
Clearing and settlement organisations	*4*	*5*	*5*	*6*	*7*
Other financial institutions [1]	*9*	*9*	*9*	*6*	*7*
Other	*nap*	*nap*	*nap*	*nap*	*nap*
Retail payment systems					
Cheque clearing					
Number of participants[2]	209	200	535	701	1,244
Direct participants	117	108	213	258	264
Banks	115	106	211	256	262
Central bank	1	1	1	1	1
Other direct participants	1	1	1	1	1
Postal institution	*1*	*1*	*1*	*1*	*1*
Indirect participants[3]	92	92	322	443	980
ECS/ NECS					
Number of participants	117	117	117	123	123
Direct participants	117	117	117	123	123
Banks	115	115	115	121	121
Central bank	1	1	1	1	1
Other direct participants	1	1	1	1	1
General government	*nav*	*nav*	*nav*	*nav*	*nav*
Postal institution	*1*	*1*	*1*	*1*	*1*
Clearing and settlement organisations	*nav*	*nav*	*nav*	*nav*	*nav*
Other financial institutions	*nav*	*nav*	*nav*	*nav*	*nav*
Other	*nav*	*nav*	*nav*	*nav*	*nav*
Indirect participants	nav	nav	nav	nav	nav
NEFT					
Number of participants[5]	116	146	161	161	173
Direct participants	116	146	161	161	173
Banks	114	144	159	159	171
Central bank	1	1	1	1	1
Other direct participants	1	1	1	1	1
General government	*nav*	*nav*	*nav*	*nav*	*nav*
Postal institution	*nav*	*nav*	*nav*	*nav*	*nav*
Clearing and settlement organisations	*nav*	*nav*	*nav*	*nav*	*nav*
Other financial institutions	*1*	*1*	*1*	*1*	*1*
Other	*nav*	*nav*	*nav*	*nav*	*nav*
Indirect participants[3]	nav	nav	nav	nav	nav

For the footnotes, see the end of the table.

Table 9 (cont)

	2011	2012	2013	2014	2015
Card based payment					
Number of participants[6]	53	53	54	55	56
Direct participants	53	53	54	55	56
Banks	53	53	54	55	56
Central bank	nav	nav	nav	nav	nav
Other direct participants	nav	nav	nav	nav	nav
Indirect participants	nav	nav	nav	nav	nav

[1] Includes Deposit Insurance and Credit Guarantee Corporation of India. [2] Data pertain to Mumbai only. [3] Indicates sub-members. [4] The participant details pertain to National ECS/NECS centralised at Mumbai. [5] Indicates participant details for NEFT system operationalised since November 2005. [6] Data pertain to Schedule Commercial Banks only.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
RTGS					
Total transactions sent	55.03	68.51	81.10	92.77	98.33
Concentration ratio in terms of volume (%)	45.1	45.6	40.8	40.8	40.5
Retail payment systems					
Cheque clearing					
Total transactions sent[1]	1,341.87	1,313.66	1,257.30	1,195.81	1,096.37
credit transfers	*nav*	*nav*	*nav*	*nav*	*nav*
direct debits	*nav*	*nav*	*nav*	*nav*	*nav*
card payments	*nav*	*nav*	*nav*	*nav*	*nav*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*1,341.87*	*1,313.66*	*1,257.30*	*1,195.81*	*1,096.37*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of volume (%)	53.6	45.7	36.8	30.1	22.9
ECS/ NECS					
Total transactions sent	286.24	298.71	345.45	341.36	263.76
credit transfers	*121.50*	*122.18*	*152.54*	*115.35*	*39.00*
direct debits	*164.74*	*176.53*	*192.91*	*226.01*	*224.75*
card payments	*nav*	*nav*	*nav*	*nav*	*nav*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of volume (%)	11.4	10.4	10.2	8.6	5.5
NEFT					
Total transactions sent	226.11	394.13	661.01	927.55	1252.88
credit transfers	*226.11*	*394.13*	*661.01*	*927.55*	*1252.88*
direct debits	*nav*	*nav*	*nav*	*nav*	*nav*
card payments	*nav*	*nav*	*nav*	*nav*	*nav*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of volume (%)	9.0	13.7	19.4	23.3	26.1
Card based payment					
Total transactions sent[2]	5,731.60	6,398.35	7,223.94	8,491.91	10,038.67
credit transfers	*nav*	*nav*	*nav*	*nav*	*nav*
direct debits	*nav*	*nav*	*nav*	*nav*	*nav*
card payments[3]	*647.50*	*865.66*	*1128.16*	*1423.19*	*1,959.29*
ATM transactions	*5,084.11*	*5,532.68*	*6,095.78*	*7,068.72*	*8,079.39*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of volume (%)	25.9	30.1	33.2	35.8	40.9

[1] The data are for total volume of cheques cleared in the country. [2] POS payment transactions (irrespective of type of card used). [3] Data pertain to Schedule Commercial Banks only.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(INR billions, total for the year)

	2011	2012	2013	2014	2015
Large-value and retail payment systems					
RTGS					
Total transactions sent	539,307.5	676,841.0	734,252.4	754,032.4	824,578.0
Concentration ratio in terms of value (%)	42.5	40.1	41.0	45.8	48.5
Retail payment systems					
Cheque clearing					
Total transactions sent[1]	99,012.1	100,181.8	93,438.2	85,439.3	81,860.8
credit transfers	*nav*	*nav*	*nav*	*nav*	*nav*
direct debits	*nav*	*nav*	*nav*	*nav*	*nav*
card payments	*nav*	*nav*	*nav*	*nav*	*nav*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*99,012.1*	*100,181.8*	*93,438.2*	*85,439.3*	*81,860.8*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of value (%)	81.8	74.7	65.0	56.0	47.2
ECS/ NECS					
Total transactions sent	2,671.4	2,854.4	3,760.2	3,758.9	2,710.9
credit transfers	*1,837.8*	*1,771.3*	*2,492.2*	*2,019.1*	*1,059.4*
direct debits	*833.6*	*1,083.1*	*1,268.0*	*1,739.8*	*1,651.5*
card payments	*nav*	*nav*	*nav*	*nav*	*nav*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of value (%)	2.2	2.1	2.6	2.5	1.6
NEFT					
Total transactions sent	17,903.5	29,022.4	43,785.5	59,803.8	83,273.1
credit transfers	*17,903.5*	*29,022.4*	*43,785.5*	*59,803.8*	*83,273.1*
direct debits	*nav*	*nav*	*nav*	*nav*	*nav*
card payments	*nav*	*nav*	*nav*	*nav*	*nav*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of value (%)	14.8	21.7	30.6	39.2	48.0
Card based payment					
Total transactions sent[2]	15,510.8	18,637.4	22,168.8	25,544.5	29,397.7
credit transfers	*nav*	*nav*	*nav*	*nav*	*nav*
direct debits	*nav*	*nav*	*nav*	*nav*	*nav*
card payments[3]	*1,500.4*	*1,972.9*	*2,493.9*	*3,112.6*	*3,995.9*
ATM transactions	*14,010.3*	*16,664.5*	*19,674.8*	*22,431.9*	*25,401.8*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of value (%)	1.2	1.5	1.7	2.0	2.3

[1] The data are for total value of cheques cleared in the country. [2] POS payment transactions (irrespective of type of card used).
[3] Data pertain to Schedule Commercial Banks only.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	42	42	42	42	42
of which: live	*42*	*42*	*42*	*42*	*42*
Sub-members	41	44	45	47	49
of which: live	*40*	*42*	*44*	*45*	*48*
Participants	29	26	28	28	31
of which: live	*25*	*24*	*27*	*27*	*28*
Total users	112	112	115	117	122
of which: live	*107*	*108*	*113*	*114*	*118*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	19,359	21,280	24,937	28,618	32,013
of which:					
category I	*3,747*	*4,029*	*4,334*	*4,937*	*5,486*
category II	*1,543*	*1,571*	*1,650*	*1,691*	*1,788*
Total messages received	21,052	22,769	26,656	30,221	32,856
of which:					
category I	*7,906*	*9,000*	*10,025*	*10,789*	*11,515*
category II	*1,803*	*1,904*	*2,123*	*2,357*	*2,555*
Domestic traffic	372	528	809	1,359	1,575
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
NDS					
Total number of participants	182	184	191	203	260
central bank	*1*	*1*	*2*	*1*	*1*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
banks	*108*	*121*	*126*	*140*	*159*
other	*72*	*61*	*62*	*61*	*99*
Number of domestic participants	182	184	191	203	260
central bank	*1*	*1*	*2*	*1*	*1*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
banks	*108*	*121*	*126*	*140*	*159*
other	*72*	*61*	*62*	*61*	*99*
Number of foreign participants	nap	nap	nap	nap	nap
NSE					
Total number of participants	1,376	1,422	1,472	1,428	1,430
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*1*	*1*	*1*	*1*
banks	*nav*	*13*	*13*	*13*	*13*
other	*nav*	*1,408*	*1,458*	*1,414*	*1,416*
Number of domestic participants	1,376	1,422	1,472	1,425	1,427
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*1*	*1*	*1*	*1*
banks	*nav*	*13*	*13*	*10*	*10*
other	*nav*	*1,408*	*1,458*	*1,414*	*1,416*
Number of foreign participants	nap	nap	nap	3	3
banks	*nap*	*nap*	*nap*	*3*	*3*
BSE					
Total number of participants	1,371	1,386	1,376	1,413	1,435
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
banks	*11*	*11*	*5*	*10*	*25*
other	*1,359*	*1,374*	*1,370*	*1,402*	*1,409*
Number of domestic participants	1,371	1,386	1,376	1,383	1,402
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
banks	*11*	*11*	*5*	*10*	*25*
other	*1,359*	*1,374*	*1,370*	*1,372*	*1,376*
Number of foreign participants	nap	nap	nap	30	33
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*nap*	*nap*	*nap*	*nap*	*nap*
other	*nap*	*nap*	*nap*	*30*	*33*

For the footnotes, see the end of the table.

India

	2011	2012	2013	2014	2015
USE					
Total number of participants	397	385	361	313	nav
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*nav*
banks	*23*	*23*	*21*	*14*	*nav*
other	*373*	*361*	*339*	*298*	*nav*

Table 20

Number of contracts and transactions cleared

(millions, total for the year)

	2011	2012	2013	2014	2015
CCIL					
Total number of contracts and transactions cleared	0.521	0.770	0.940	1.207	1.136
Number of securities transactions cleared	0.440	0.700	0.867	1.087	1.019
debt securities	0.440	0.700	0.867	1.087	1.019
short-term paper	*0.030*	*0.042*	*0.046*	*0.058*	*0.046*
bonds	*0.410*	*0.658*	*0.820*	*1.029*	*0.973*
of which: number of repurchase transactions cleared	*0.030*	*0.042*	*0.046*	*0.109*	*0.136*
debt securities	*0.030*	*0.042*	*0.046*	*0.109*	*0.136*
short-term paper	*nav*	*nav*	*nav*	*0.039*	*0.029*
bonds	*nav*	*nav*	*nav*	*0.070*	*0.106*
Number of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Number of OTC derivatives contracts cleared	0.081	0.070	0.073	0.120	0.117
financial futures	*nap*	*nap*	*nap*	*nap*	*nap*
financial options	*nap*	*nap*	*nap*	*nap*	*nap*
other financial derivatives [1]	*0.081*	*0.070*	*0.073*	*0.120*	*0.117*
NSCCL					
Total number of contracts and transactions cleared	3,615.8	3,450.5	3,388.8	4,170.8	4,649.7
Number of securities transactions cleared	1,437.2	1,359.8	1,442.7	1,832.5	1,851.5
debt securities	nav	nav	nav	nav	nav
equity[2]	1,437.2	1,359.8	1,442.7	1,832.5	1,851.5
other	nav	nav	nav	nav	nav
of which: number of repurchase transactions cleared	*nav*	*nav*	*nav*	*nav*	*nav*
Number of exchange-traded derivatives contracts cleared	2,178.6	2,090.7	1,946.1	2,338.3	2,798.3
financial futures [3]	*1,006.1*	*928.0*	*755.5*	*743.1*	*810.6*
financial options [4]	*1,172.5*	*1,162.7*	*1,190.6*	*1,595.2*	*1,987.7*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
commodity futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity options	*nav*	*nav*	*nav*	*nav*	*nav*
other commodity derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
Number of OTC derivatives contracts cleared	nav	nav	nav	nav	nav
BOISL					
Total number of contracts and transactions cleared	394.6	323.5	nav	nav	nav

For the footnotes, see the end of the table.

Table 20 (cont)

	2011	2012	2013	2014	2015
Number of securities transactions cleared	*394.6*	*nap*	*nap*	*nap*	*nap*
debt securities	nav	nap	nap	nap	nap
equity	nav	nap	nap	nap	nap
other	nav	nap	nap	nap	nap
of which: number of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Number of exchange-traded derivatives contracts cleared	nav	nap	nap	nap	nap
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
ICCL					
Total number of contracts and transactions cleared	347.61	608.64	709.73	1,213.01	913.90
Number of securities transactions cleared	*nap*	*323.51*	*363.22*	*398.35*	*381.78*
debt securities	nap	nap	nap	nap	nap
equity	nap	nap	nap	nap	nap
other	nap	nap	nap	nap	nap
of which: number of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Number of exchange-traded derivatives contracts cleared	347.61	285.13	346.51	814.65	532.12
financial futures	*315.21*	*18.41*	*15.49*	*213.97*	*286.68*
financial options	*32.40*	*266.72*	*331.03*	*600.69*	*245.44*
other financial derivatives	*nap*	*nap*	*nap*	*nap*	*nap*
commodity futures	*nap*	*nap*	*nap*	*nap*	*nap*
commodity options	*nap*	*nap*	*nap*	*nap*	*nap*
other commodity derivatives	*nap*	*nap*	*nap*	*nap*	*nap*
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
MCX-SXCCL					
Total number of contracts and transactions cleared	770.33	597.59	403.97	103.57	49.98
Number of securities transactions cleared	*nav*	*nav*	*nav*	*nav*	*nav*
of which: number of repurchase transactions cleared	*nav*	*nav*	*nav*	*nav*	*nav*
Number of exchange-traded derivatives contracts cleared	770.33	597.59	403.97	103.57	49.98
financial futures	*770.33*	*561.42*	*350.33*	*100.60*	*46.75*
financial options	*nav*	*36.16*	*53.64*	*2.96*	*3.23*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
commodity futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity options	*nav*	*nav*	*nav*	*nav*	*nav*
other commodity derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
Number of OTC derivatives contracts cleared	nav	nav	nav	nav	nav

[1] CCIL provides central trade processing services in Rupee Interest Rate Swaps (IRS) and Forward Rate Agreements (FRA). CCIL extends post-trade processing services such as Interest Rate Reset, Tracking payment obligation of members on their outstanding contracts etc and settlement on a Non Guaranteed basis. [2] Transactions cleared in cash segment. [3] Data pertain to stock and index futures. [4] Data pertain to stock and index options.

Table 21

Value of contracts and transactions cleared

(INR billions, total for the year)

	2011	2012	2013	2014	2015
CCIL					
Total value of contracts and transactions cleared	110,439.74	156,572.33	200,941.22	337,678.78	356,055.06
Value of securities transactions cleared	72,520.80	119,947.94	161,848.26	258,916.75	269,778.19
debt securities	72,520.80	119,947.94	161,848.26	258,916.75	269,778.19
short-term paper	*18,993.58*	*29,660.87*	*46,656.69*	*73,355.06*	*53,561.21*
bonds	*53,527.22*	*90,287.07*	*115,191.57*	*185,561.69*	*216,216.98*
of which: value of repurchase transactions cleared	*37,638.77*	*54,027.65*	*72,281.27*	*157,355.14*	*172,492.79*
debt securities	*37,638.77*	*54,027.65*	*72,281.27*	*157,355.14*	*172,492.79*
short-term paper	*nav*	*nav*	*nav*	*65,120.36*	*45,017.31*
bonds	*nav*	*nav*	*nav*	*92,234.78*	*127,475.47*
Value of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Value of OTC derivatives contracts cleared[1]	37,918.94	36,624.39	39,092.96	78,762.03	86,276.87
financial futures	*nap*	*nap*	*nap*	*nap*	*nap*
financial options	*nap*	*nap*	*nap*	*nap*	*nap*
other financial derivatives	*37,918.94*	*36,624.39*	*39,092.96*	*78,762.03*	*86,276.87*
NSCCL					
Total value of contracts and transactions cleared	368,139.49	376,049.73	430,771.36	603,287.80	711,068.03
Value of securities transactions cleared	7,852.68	7,975.04	8,230.42	12,768.60	12,526.58
debt securities	nav	nav	nav	nav	nav
equity[2]	7,852.68	7,975.04	8,230.42	12,768.60	12,526.58
other	nav	nav	nav	nav	nav
of which: value of repurchase transactions cleared	*nav*	*nav*	*nav*	*nav*	*nav*
Value of exchange-traded derivatives contracts cleared	360,286.81	368,074.69	422,540.94	590,519.20	698,541.44
financial futures[3]	*110,351.17*	*105,161.08*	*110,056.37*	*150,707.89*	*156,614.87*
financial options[4]	*249,935.64*	*262,913.61*	*312,484.57*	*439,811.31*	*541,926.57*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
commodity futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity options	*nav*	*nav*	*nav*	*nav*	*nav*
other commodity derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
Value of OTC derivatives contracts cleared	nav	nav	nav	nav	nav

For the footnotes, see the end of the table.

Table 21 (cont)

	2011	2012	2013	2014	2015
BOISL					
Total value of contracts and transactions cleared	1,819.5	1,684.9	nav	nav	nav
Value of securities transactions cleared	1,819.5	nap	nap	nap	nap
debt securities	nav	nap	nap	nap	nap
equity	nav	nap	nap	nap	nap
other	nav	nap	nap	nap	nap
of which: value of repurchase transactions cleared	*nav*	*nap*	*nap*	*nap*	*nap*
Value of exchange-traded derivatives contracts cleared	nav	nap	nap	nap	nap
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
ICCL					
Total value of contracts and transactions cleared	8,089.0	73,320.8	93,999.5	226,130.3	75,999.4
Value of securities transactions cleared	nap	1,684.9	1,802.4	2,998.4	2,468.8
debt securities	nap	nav	nav	nav	nav
equity	nap	nav	nav	nav	nav
other	nap	nav	nav	nav	nav
of which: value of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Value of exchange-traded derivatives contracts cleared	8,089.0	71,635.9	92,197.1	223,132.0	73,530.5
financial futures	*1,890.8*	*1,258.5*	*1,183.1*	*14,074.2*	*19,789.3*
financial options	*6,198.1*	*70,377.4*	*91,013.9*	*209,057.8*	*53,741.3*
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
MCX-SXCCL					
Total value of contracts and transactions cleared	29.529	34.735	25.771	15.743	11.236
Value of securities transactions cleared	nav	nav	nav	nav	nav
of which: value of repurchase transactions cleared	*nav*	*nav*	*nav*	*nav*	*nav*
Value of exchange-traded derivatives contracts cleared	29.529	34.735	25.771	15.743	11.236
financial futures	*29.529*	*33.555*	*22.934*	*15.306*	*10.680*
financial options	*nav*	*1.180*	*2.838*	*0.437*	*0.556*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
commodity futures	*nav*	*nav*	*nav*	*nav*	*nav*
commodity options	*nav*	*nav*	*nav*	*nav*	*nav*
other commodity derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
Value of OTC derivatives contracts cleared	nav	nav	nav	nav	nav

[1] Post-trade processing, including arriving at settlement obligation (clearing) of OTC derivatives (IRS & FRAs) is being undertaken from August 2007. [2] Transactions cleared in cash segment. [3] Data pertain to stock and index futures. [4] Data pertain to stock and index options.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
RBI (SSS)					
Total number of participants	242	297	304	344	361
central bank	*1*	*3*	*4*	*5*	*10*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
central securities depositories	*2*	*2*	*2*	*2*	*2*
banks	*108*	*168*	*173*	*205*	*218*
other	*130*	*123*	*124*	*131*	*130*
Number of domestic participants	242	295	302	339	356
central bank	*1*	*1*	*2*	*0*	*5*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
central securities depositories	*2*	*2*	*2*	*2*	*2*
banks	*108*	*168*	*173*	*205*	*218*
other [1]	*130*	*123*	*124*	*131*	*130*
Number of foreign participants	nav	2	2	5	5
central bank	*nav*	*2*	*2*	*5*	*5*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
central securities depositories	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
NSDL					
Total number of participants	282	282	278	273	270
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*7*	*8*	*7*	*4*	*3*
central securities depositories	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*53*	*52*	*52*	*51*	*50*
other	*222*	*222*	*219*	*218*	*217*
Number of domestic participants	282	282	278	273	270
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*7*	*8*	*7*	*4*	*3*
central securities depositories	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*53*	*52*	*52*	*51*	*50*
other	*222*	*222*	*219*	*218*	*217*
Number of foreign participants	nap	nap	nap	nap	nap
CDSL					
Total number of participants	567	578	579	575	583
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*7*	*1*	*1*	*1*	*1*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*43*	*35*	*42*	*45*	*45*
other	*517*	*542*	*536*	*529*	*537*
Number of domestic participants	567	578	579	575	583
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*7*	*1*	*1*	*1*	*1*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*43*	*35*	*42*	*45*	*45*
other	*517*	*542*	*536*	*529*	*537*
Number of foreign participants	nap	nap	nap	nap	nap

[1] Includes financial institutions, primary dealers, insurance companies, state government, provident funds, mutual funds and

Table 23

Number of securities held on accounts at CSDs

(millions, end of year)

	2011	2012	2013	2014	2015
RBI (SSS)					
Total number of securities held	0.002	0.002	0.002	0.002	0.002
debt securities	0.002	0.002	0.002	0.002	0.002
short-term paper	*0.000*	*0.000*	*0.000*	*0.000*	*0.000*
bonds	*0.002*	*0.002*	*0.002*	*0.002*	*0.002*
equity	nap	nap	nap	nap	nap
other[1]	0.000	0.000	0.000	0.000	0.000
NSDL					
Total number of securities held	579,801.0	686,475.8	795,503.4	927,357.0	1,100,209.0
debt securities	10,768.5	9,679.3	11,694.2	22,201.9	28,931.4
short-term paper	*56.2*	*53.0*	*49.1*	*42.0*	*39.7*
bonds	*10,712.3*	*9,626.3*	*11,645.1*	*22,159.9*	*28,891.8*
equity	529,713.7	629,978.8	700,533.5	811,849.1	931,336.2
other	39,318.8	46,817.7	83,275.7	93,306.0	139,941.3
CDSL					
Total number of securities held	133,572.2	151,729.4	177,309.9	206,012.4	226,625.8
debt securities	195.3	444.7	985.2	904.5	2,008.4
short-term paper	*0.3*	*0.3*	*0.0*	*0.1*	*0.7*
bonds	*195.0*	*444.5*	*985.1*	*904.4*	*2,007.7*
equity	120,688.7	137,631.0	160,896.6	185,968.0	207,041.4
other	12,688.2	13,653.6	15,428.2	19,139.9	17,576.0

[1] Includes relief bonds.

Table 24

Value of securities held on accounts at CSDs

(INR billions, end of year)

	2011	2012	2013	2014	2015
RBI (SSS)					
Total value of securities held	38,699.0	44,534.2	51,181.2	57,868.9	65,697.0
debt securities	38,699.0	44,534.2	51,181.2	57,847.7	65,665.1
short-term paper	*2,929.9*	*2,997.6*	*3,391.3*	*3,494.5*	*3,646.9*
bonds	*35,769.0*	*41,536.5*	*47,789.9*	*54,353.2*	*62,018.3*
equity	nap	nap	nap	nap	nap
other	nav	nav	nav	21.2	31.9
NSDL					
Total value of securities held	71,322.8	76,790.3	89,398.8	117,483.1	117,156.7
debt securities	17,101.6	19,571.5	21,232.6	24,082.2	27,500.9
short-term paper	*6,715.4*	*6,627.0*	*6,455.9*	*6,461.9*	*7,207.6*
bonds	*10,386.2*	*12,944.5*	*14,776.7*	*17,620.3*	*20,293.3*
equity	53,001.6	55,834.9	66,198.9	90,916.0	86,927.0
other	1,219.6	1,383.8	1,967.2	2,485.0	2,728.8
CDSL					
Total value of securities held	10,205.7	9,850.4	10,876.2	13,945.2	13,238.2
debt securities	338.7	397.4	393.8	506.1	727.3
short-term paper	*35.7*	*33.8*	*5.2*	*17.0*	*80.9*
bonds	*303.0*	*363.5*	*388.6*	*489.1*	*646.4*
equity	9,663.9	9,228.9	10,259.0	13,196.4	12,230.1
other	203.1	224.1	223.4	242.7	280.8

Table 25

Number of delivery instructions processed

(thousands, total for the year)

	2011	2012	2013	2014	2015
RBI (SSS)					
Total number of delivery instructions	1,883.2	2,306.3	2,620.4	3,044.3	3,137.7
DVP	1,883.2	2,306.3	2,620.4	3,044.3	3,137.7
debt securities	1,883.2	2,306.3	2,620.4	3,044.3	3,137.7
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	nap	nap	nap	nap	nap
other	nav	nav	nav	nav	nav
free of payment	nav	nav	nav	nav	nav
NSDL					
Total number of delivery instructions	118,101.7	107,709.3	99,527.2	147,317.7	132,038.3
DVP	nav	nav	nav	nav	nav
free of payment	118,101.7	107,709.3	99,527.2	147,317.7	132,038.3
debt securities	540.8	620.0	708.1	691.7	723.9
short-term paper	*122.8*	*224.8*	*220.6*	*197.3*	*183.3*
bonds	*417.9*	*395.2*	*487.5*	*494.4*	*540.6*
equity	117,346.3	106,774.8	98,470.8	144,844.9	129,189.6
other	214.6	314.5	348.3	1,781.1	2,124.8
CDSL					
Total number of delivery instructions	56,572.4	68,410.6	69,213.8	104,669.7	95,161.3
DVP	44,178.7	57,208.2	59,283.6	90,894.6	81,101.4
debt securities	125.4	103.7	150.7	185.5	216.5
short-term paper	*0*	*0*	*0*	*0*	*5.1*
bonds	*125.4*	*103.7*	*150.7*	*185.5*	*211.4*
equity	43,429.3	56,212.0	57,961.4	88,586.6	78,341.9
other	624.0	892.5	1,171.6	2,122.6	2,543.0
free of payment	12,393.7	11,202.4	9,930.2	13,775.1	14,060.0
debt securities	48.3	39.8	48.6	52.5	70.3
short-term paper	*0.2*	*0.2*	*0.2*	*0.3*	*0.4*
bonds	*48.0*	*39.6*	*48.5*	*52.1*	*69.9*
equity	12,102.1	10,923.7	9,677.5	13,577.1	13,858.4
other	243.3	238.9	204.0	145.6	131.3

Table 26

Value of delivery instructions processed

(INR billions, total for the year)

	2011	2012	2013	2014	2015
RBI (SSS) (trillions)					
Total value of delivery instructions	981.9	1,219.2	1,372.9	1,405.8	1,504.0
DVP	981.9	1,219.2	1,372.9	1,405.8	1,504.0
debt securities	981.9	1,219.2	1,372.9	1,405.8	1,504.0
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
free of payment	nav	nav	nav	nav	nav
NSDL					
Total value of delivery instructions	101,661.3	152,000.3	160,160.6	188,678.2	188,292.0
DVP	nap	nap	nap	nap	nav
free of payment	101,661.3	152,000.3	160,160.6	188,678.2	188,292.0
debt securities	68,995.7	121,237.0	125,606.4	136,791.4	139,230.0
short-term paper	*53,836.8*	*105,382.0*	*102,979.8*	*112,090.5*	*114,315.4*
bonds	*15,158.9*	*15,855.0*	*22,626.6*	*24,700.9*	*24,914.7*
equity	32,618.8	30,684.6	34,356.5	51,304.0	48,319.5
other	46.8	78.7	197.6	582.8	742.5
CDSL					
Total value of delivery instructions	3,927.9	6,163.1	8,234.7	13,130.3	11,497.5
DVP	2,020.5	4,139.1	6,076.5	10,949.6	9,093.0
debt securities	44.2	61.4	63.5	119.0	702.6
short-term paper	*1.3*	*2.1*	*0*	*0*	*556.5*
bonds	*43.0*	*59.3*	*63.5*	*119.0*	*146.0*
equity	1,898.8	3,942.5	5,840.7	10,574.4	8,017.8
other	77.5	135.2	172.4	256.2	372.7
free of payment	1,907.4	2,024.0	2,158.2	2,180.7	2,404.4
debt securities	361.7	294.6	327.4	172.0	172.9
short-term paper	*217.5*	*194.6*	*209.2*	*55.6*	*38.1*
bonds	*144.2*	*100.0*	*118.2*	*116.4*	*134.8*
equity	1,483.8	1,675.4	1,748.5	1,884.0	2,137.0
other	61.9	54.0	82.4	124.7	94.6

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	59,659.8	59,898.0	60,224.8	60,448.0	60,441.0
GDP (EUR billions)	1,637.5	1,613.3	1,604.6	1,620.4	1,642.4
GDP per capita (EUR)	27,447	26,934	26,644	26,806	27,174
Consumer price inflation (%)[1]	2.9	3.3	1.2	0.2	0.1
Exchange rate (EUR/USD):					
end of year	*0.7729*	*0.7579*	*0.7251*	*0.8237*	*0.9185*
average	*0.7192*	*0.7788*	*0.7532*	*0.7539*	*0.9019*

[1] Yearly average.

Table 2

Settlement media used by non-banks

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks[1]	nap	nap	nav	nap	nap
Value of transferable deposits[2]	763.10	760.05	781.86	836.99	909.24
Narrow money supply (M1)[1]	nap	nap	nap	nap	nap
Memo:					
Transferable deposits in foreign currencies	10.430	11.589	13.095	14.338	15.852
Outstanding value on e-money storage	1.319	1.940	2.267	2.654	3.004
on card-based products	*1.288*	*1.929*	*2.215*	*2.595*	*2.930*
on software- or network-based products	*0.031*	*0.011*	*0.052*	*0.059*	*0.074*

[1] These figures are provided solely at an aggregated euro area level (see Euro area, Table 2). [2] Current account deposits held at credit institutions and the Post Office. Transferable deposits held at branches of foreign banks are included.

Table 3

Settlement media used by banks

(EUR billions, average of last reserve maintenance period)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	36.992	38.026	23.422	16.841	20.081
required reserves	*24.608*	*13.141*	*13.291*	*13.602*	*14.395*
free reserves	*12.384*	*24.885*	*10.132*	*3.239*	*5.886*
Transferable balances held at other banks[1]	101.571	116.777	106.878	105.088	97.893
Memo:					
Credit extended by the central bank:					
intraday	*6.073*	*6.015*	*12.916*	*14.215*	*24.445*
overnight[2]	*0.145*	*0*	*0*	*0*	*0*
longer refinancing operations[3]	*194.863*	*273.324*	*230.170*	*180.688*	*155.337*

[1] End-of-year figures. [2] Marginal lending facility. [3] Other monetary policy operations vis-à-vis the Eurosystem.

Table 4

Banknotes and coin[1]

[1] These figures are provided solely at an aggregated euro area level (see Euro area, Table 4).

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices	51	52	52	52	52
Number of accounts (thousands)	0.182	0.120	0.090	0.036	0.028
Value of accounts (EUR billions)	7.35	9.83	10.22	9.41	8.02
Memo:					
Number of accounts, banks (thousands)	0.237	0.222	0.200	0.204	0.193
Banks					
Number of institutions[1]	754	710	685	663	656
Number of branches or offices	33,607	32,875	31,760	30,726	30,259
Number of accounts (thousands)[2]	38,467	38,970	42,597	43,168	44,789
of which: number of internet/PC-linked accounts (thousands)[3]	*14,706*	*17,965*	*19,693*	*32,093*	*33,721*
Value of accounts (EUR billions)	754.77	750.14	771.64	840.74	914.97
Credit institutions legally incorporated in the reporting country					
Number of institutions	672	631	605	584	575
Number of branches or offices	33,289	32,550	31,501	30,472	30,004
Value of accounts (EUR billions)	740.60	728.29	752.41	812.99	876.29
Branches of euro area-based credit institutions					
Number of institutions	56	53	53	53	57
Number of branches or offices	100	105	112	117	132
Value of accounts (EUR billions)	7.83	15.22	13.06	20.77	31.92
Branches of EEA-based credit institutions (outside the euro area)					
Number of institutions	17	17	18	17	16
Number of branches or offices	206	208	134	126	113
Value of accounts (EUR billions)	5.57	5.75	5.26	6.13	5.70
Branches of non-EEA-based credit institutions					
Number of institutions	9	9	9	9	8
Number of branches or offices	12	12	13	11	10
Value of accounts (EUR billions)	0.76	0.88	0.91	0.86	1.05
Other institutions offering payment services to non-banks[4]					
Number of institutions	42	49	51	40	40
Number of branches or offices	13,308	13,676	12,941	13,069	12,903
Number of accounts (thousands)	5,575	5,883	6,023	6,043	6,236
Value of accounts	38.02	41.45	43.90	43.95	43.95
Institutions offering payment services to non-banks (total)					
Number of institutions	797	760	737	704	697
Number of branches or offices	46,966	46,603	44,753	43,847	43,214
Number of accounts held by non-banks (thousands)	44,042	44,853	48,620	49,211	51,025
of which: number of internet/PC-linked accounts (thousands)	*14,706*	*17,965*	*19,693*	*32,093*	*33,721*
Value of accounts held by non-banks	800.13	801.42	825.75	894.10	966.94
Memo:					
Electronic money institutions					
Number of institutions[5]	3	3	4	5	4
Outstanding value on e-money storages issued by e-money institutions (EUR billions)	nav	nav	nav	136.00	133.00

[1] Banks are included from the year in which the licence is granted. [2] Only current accounts are included. [3] Estimated. [4] Includes the Post Office and other financial institutions operating in the credit card market. [5] Undertakings other than banks authorised to issue electronic money on an exclusive basis.

Table 6

Payment card functions and accepting devices

(thousands, end of year)

	2011	2012	2013	2014	2015
Cards issued in the country					
Cards with a cash function[1]	53,281.8	60,041.9	65,821.6	70,642.3	76,737.3
Cards with a debit function	37,550.5	39,707.2	44,215.6	47,036.2	50,316.7
Cards with a delayed debit function	nav	nav	nav	nav	nav
Cards with a credit function[2]	29,804.8	28,472.9	27,570.7	26,605.9	26,837.3
Cards with an e-money function[1]	14,202.9	18,803.8	21,606.0	22,596.0	25,175.3
of which: cards with an e-money function which have been loaded at least once	*14,202.9*	*18,803.8*	*21,606.0*	*22,596.0*	*25,175.3*
Total number of cards (irrespective of the number of functions on the card)[1]	83,086.6	88,514.8	93,392.3	97,248.3	103,574.6
of which: cards with a combined debit, cash and e-money function	*nap*	*nap*	*nap*	*nap*	*nap*
Memo:					
Retailer cards	nap	nap	nap	nap	nap
Terminals located in the country					
ATMs	51.84	50.75	50.04	49.65	50.53
ATMs with a cash withdrawal function	*51.84*	*50.75*	*50.04*	*49.65*	*50.53*
ATMs with a credit transfer function	*47.39*	*48.27*	*47.71*	*49.65*	*50.53*
POS terminals	1,434.96	1,510.61	1,584.19	1,847.46	1,979.42
of which: EFTPOS terminals[3]	*1,434.96*	*1,510.61*	*1,584.19*	*1,847.46*	*1,979.42*
E-money card terminals[4]	nav	nav	nav	658.12	780.92
e-money card loading/unloading terminals	*nav*	*nav*	*nav*	*45.70*	*48.24*
e-money card payment terminals	*nav*	*nav*	*nav*	*612.42*	*732.67*

[1] Includes cards with an e-money function issued by the Post Office. [2] Includes cards with a delayed debit function. [3] From 2010 onwards, refers strictly to terminals pertaining to reporting banks (resident in Italy), including those managed by third parties. [4] Includes e-money card terminals owned by the Post Office.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions[1]

(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	1,261.72	1,261.27	1,261.07	1,347.23	1,471.03
paper-based	*765.33*	*743.92*	*719.95*	*766.04*	*859.54*
non-paper-based	*496.40*	*517.35*	*541.12*	*581.18*	*611.50*
Direct debits	600.70	602.27	624.34	608.09	682.25
Card payments with cards issued in the country	1,566.87	1,628.98	1,813.21	2,034.02	2,269.78
payments by cards with a debit function	*981.12*	*1,091.52*	*1,225.77*	*1,390.06*	*1,617.15*
payments by cards with a delayed debit	*nav*	*nav*	*nav*	*nav*	*nap*
payments by cards with a credit function[2]	*585.76*	*537.46*	*587.45*	*643.96*	*652.63*
E-money payment transactions[3]	151.89	191.23	243.98	291.40	373.91
by cards with an e-money function	*151.89*	*191.23*	*243.98*	*291.40*	*373.91*
Cheques	291.62	275.69	252.41	231.51	208.63
Other payment instruments	286.77	303.58	292.11	280.53	282.52
Total number of transactions with payment instruments[3]	4,159.58	4,263.02	4,487.12	4,792.76	5,288.13
of which: cross-border transactions sent[4]	*nav*	*nav*	*nav*	*70.97*	*98.02*
Memo:					
Cross-border transactions received[4]	104.72	113.00	133.38	34.58	37.92
Transactions per type of terminal					
Transactions at terminals in the country by cards issued in the country					
Cash transactions	nav	nav	nav	1,157.63	993.81
ATM cash withdrawals[4]	*700.51*	*743.99*	*794.17*	*952.68*	*795.31*
ATM cash deposits	*nav*	*nav*	*nav*	*204.95*	*198.50*
POS payment transactions	1,745.99	2,038.73	2,274.07	2,025.62	2,176.96
E-money card loading/unloading transactions[3]	23.37	nav	36.71	41.03	49.00
E-money card payment transactions	nav	nav	nav	221.40	131.00

[1] Book-entry transactions are not included. [2] Includes payments by cards with a delayed debit function. [3] Includes e-money purchase transactions with cards issued by the Post Office. [4] From 2009, data refer to all Italian banks and the Post Office. Cross-border transactions sent do not include cross-border transactions by credit cards issued by other financial intermediaries. No interbank transactions are included.

Table 8

Indicators of the use of payment instruments and terminals: value of transactions[1]

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	8,075.30	7,853.08	8,033.85	7,290.09	6,940.60
paper-based	*4,135.02*	*3,782.31*	*3,196.75*	*3,245.52*	*3,111.63*
non-paper-based	*3,940.28*	*4,070.78*	*4,837.10*	*4,044.57*	*3,828.97*
Direct debits	356.56	385.42	356.66	316.88	358.75
Card payments with cards issued in the country	122.61	123.28	129.63	142.28	157.35
payments by cards with a debit function	*67.01*	*73.70*	*78.79*	*88.37*	*103.20*
payments by cards with a delayed debit	*nav*	*nav*	*nav*	*nav*	*54.15*
payments by cards with a credit function[2]	*55.60*	*49.58*	*50.85*	*53.91*	*nap*
E-money payment transactions[3]	9.71	12.69	11.75	13.49	16.98
by cards with an e-money function	*9.71*	*12.69*	*11.75*	*13.49*	*16.98*
Cheques	793.32	679.75	582.12	533.31	493.26
Other payment instruments	688.35	709.52	650.00	617.53	618.88
Total value of transactions with payment instruments[3]	10,045.84	9,763.74	9,764.01	8,913.57	8,585.82
of which: cross-border transactions sent[4]	*nav*	*nav*	*nav*	*388.01*	*403.14*
Memo:					
Cross-border transactions received[4]	1,591.14	1,911.19	1,937.45	nav	nav
Transactions per type of terminal					
Transactions at terminals in the country by cards issued in the country					
Cash transactions	nav	nav	nav	336.97	330.64
ATM cash withdrawals[4]	*123.84*	*136.39*	*146.17*	*178.43*	*181.28*
ATM cash deposits	*nav*	*nav*	*nav*	*158.54*	*149.36*
POS payment transactions	141.75	160.54	165.45	141.51	147.58
E-money card loading/unloading transactions[3]	7.83	nav	nav	11.97	14.06
E-money card payment transactions	nav	nav	nav	10.74	6.78

[1] Book-entry transactions are not included. [2] Includes payments by cards with a delayed debit function. [3] Includes e-money purchase transactions with cards issued by the Post Office. [4] From 2009, data refers to all Italian banks and the Post Office. Cross-border transactions sent do not include cross-border transactions by credit cards issued by other financial intermediaries. No interbank transactions are included.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TARGET component: BI-REL, TARGET2-IT[1]					
Number of participants	441	426	170	167	156
Direct participants	101	103	102	105	100
Banks	96	98	97	100	95
Central bank	1	1	1	1	1
Other direct participants	4	4	4	4	4
General government	*0*	*0*	*0*	*0*	*0*
Postal institution	*1*	*1*	*1*	*1*	*1*
Clearing and settlement organisations	*2*	*2*	*2*	*2*	*2*
Other financial institutions	*1*	*1*	*1*	*1*	*1*
Other	*0*	*0*	*0*	*0*	*0*
Indirect participants	340	323	68	62	56
Retail payment systems					
All Italian CSMs[2]					
Number of participants[3]	nav	nav	nap	669	728
Direct participants	89	87	83	453	51
Banks	83	81	78	448	41
Central bank	1	1	1	1	2
Other direct participants	5	5	4	4	8
General government	*0*	*0*	*0*	*0*	*0*
Postal institution	*1*	*1*	*1*	*1*	*1*
Clearing and settlement organisations	*2*	*2*	*2*	*2*	*1*
Other financial institutions	*1*	*1*	*1*	*0*	*5*
Other	*1*	*1*	*0*	*1*	*1*
Indirect participants[3]	nav	nav	nap	216	677

[1] TARGET2 migration date: 19 May 2008. [2] The 2014 figures refer to participants which are clearing members in the Italian CSMs. The 2015 figures refer to participants which are settlement members. [3] Data are estimated.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions[1]

(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TARGET component: BI-REL, TARGET2-IT[2]					
Credit transfers sent	8.65	8.92	10.38	11.48	10.25
credit transfers sent within TARGET2-IT	*5.69*	*5.90*	*6.94*	*7.79*	*7.19*
credit transfers sent to another TARGET component	*2.96*	*3.02*	*3.44*	*3.68*	*3.06*
Memo:					
Credit transfers received from another TARGET component	4.29	4.95	5.30	4.70	4.49
Concentration ratio in terms of volume (%)	44.0	41.9	44.6	45.2	44.6
Retail payment systems					
All Italian CSMs[3]					
Total number of transactions	2,106.14	2,248.93	2,302.07	1,883.00	1,927.88
credit transfers	*394.41*	*409.03*	*378.41*	*126.00*	*154.09*
direct debits	*520.84*	*521.57*	*530.32*	*268.00*	*198.16*
card payments	*763.57*	*879.20*	*966.55*	*1,065.00*	*1,169.83*
ATM transactions	*185.88*	*209.87*	*219.70*	*228.00*	*233.89*
e-money transactions	*0.15*	*0.14*	*0.07*	*0*	*0*
cheques	*238.31*	*226.15*	*204.35*	*182.00*	*169.83*
other payment instruments[4]	*2.99*	*2.99*	*2.67*	*14.00*	*2.09*
Concentration ratio in terms of volume (%)	51.7	52.0	52.6	41.3	54.1

[1] The table contains both customer and interbank transactions. [2] TARGET2 migration date: 19 May 2008. [3] Total transactions sent by each Italian CSM: SIA: 1,256.7, ICPBI: 820.1, ICCREA: 182.9, CSM Banca d'Italia: 43.5 (CSM Banca d'Italia includes CABI, Local Clearing and transactions from the Italian CSD Monte Titoli). [4] Payments between the banking system and the State Treasury, the Bank of Italy or the Post Office, and bills of exchange, interest and dividends paid on private securities deposited at Monte Titoli.

Table 21

Value of contracts and transactions cleared

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
CCG					
Total value of contracts and transactions cleared	22,852.37	25,862.71	34,803.79	35,055.92	38,652.37
Value of securities transactions cleared	21,518.67	24,706.29	33,544.62	33,129.54	36,281.33
debt securities	19,938.88	23,572.69	32,324.78	31,534.56	34,462.63
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*30.49*	*37.52*	*41.17*	*91.23*	*89.89*
equity	1,579.55	1,133.51	1,219.76	1,594.89	1,818.58
other	0.23	0.10	0.09	0.09	0.12
of which: value of repurchase transactions cleared	*18,701.98*	*22,199.40*	*30,825.78*	*29,466.95*	*32,517.45*
debt securities	*18,701.98*	*22,199.40*	*30,825.78*	*29,466.95*	*32,517.45*
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nap*	*nap*	*nap*	*nap*	*nap*
Value of exchange-traded derivatives contracts cleared	1,333.70	1,156.42	1,259.17	1,926.38	2,371.03
financial futures	*1,314.10*	*1,133.51*	*1,215.94*	*1,896.48*	*2,353.85*
financial options	*17.83*	*20.84*	*39.37*	*28.19*	*16.67*
other financial derivatives	*1.77*	*2.08*	*nap*	*nap*	*nap*
commodity futures	*nap*	*nap*	*3.86*	*1.70*	*0.51*
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
LCH.Clearnet SA					
Total value of contracts and transactions cleared	29,781.44	28,970.37	38,775.17	43,087.03	43,438.27
Value of securities transactions cleared	29,781.44	28,970.37	38,775.17	43,087.03	43,438.27
debt securities	29,781.44	28,970.37	38,775.17	43,087.03	43,438.27
short-term paper	*3,710.94*	*6,049.16*	*7,660.50*	*5,186.18*	*3,525.04*
bonds	*26,070.49*	*22,921.21*	*31,114.67*	*37,900.85*	*39,913.23*
of which: value of repurchase transactions cleared	*28,210.30*	*27,956.40*	*37,057.96*	*40,177.29*	*41,058.40*
debt securities	*28,210.30*	*27,956.40*	*37,057.96*	*40,177.29*	*41,058.40*
short-term paper	*3,287.38*	*5,734.48*	*7,130.02*	*4,297.05*	*2,682.06*
bonds	*24,922.92*	*22,221.92*	*29,927.94*	*35,880.24*	*38,376.35*
Value of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
Monte Titoli					
Total number of participants	266	248	239	232	183
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*7*	*7*	*7*	*6*	*6*
central securities depositories [1]	*9*	*9*	*12*	*15*	*7*
banks	*134*	*118*	*108*	*100*	*62*
other	*115*	*113*	*111*	*110*	*107*
Number of domestic participants	246	232	221	208	167
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
central securities depositories [1]	*0*	*0*	*0*	*0*	*0*
banks	*130*	*118*	*108*	*97*	*58*
other	*114*	*112*	*111*	*109*	*107*
Number of foreign participants	20	16	18	24	16
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*6*	*6*	*6*	*5*	*5*
central securities depositories [1]	*9*	*9*	*12*	*15*	*7*
banks	*4*	*0*	*0*	*3*	*4*
other	*1*	*1*	*0*	*1*	*0*

[1] CSDs having a relationship with Monte Titoli.

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
Monte Titoli					
Total number of securities held	42.71	43.79	42.37	38.24	43.32
debt securities	35.32	34.90	32.42	28.74	33.73
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	1.09	1.04	0.98	1.25	1.16
other	6.30	7.85	8.97	8.25	8.43

Table 24

Value of securities held on accounts at CSDs

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Monte Titoli[1]					
Total value of securities held	3,209.77	3,208.50	3,299.00	3,349.21	3,305.69
debt securities	2,526.19	2,743.20	2,775.65	2,721.11	2,630.71
short-term paper	*122.15*	*163.87*	*157.44*	*140.73*	*110.86*
bonds	*2,404.04*	*2,579.33*	*2,618.21*	*2,580.38*	*2,519.85*
equity	656.98	439.40	494.80	600.76	645.14
other	26.60	25.89	28.55	27.34	29.84

[1] Market value (average in the last month).

Table 25

Number of delivery instructions processed[1]

(thousands, total for the year)

	2011	2012	2013	2014	2015
Monte Titoli					
Total number of delivery instructions	23,489.7	21,291.8	20,997.0	24,663.0	23,718.0
DVP	20,704.7	18,708.8	18,598.0	21,843.0	20,946.0
debt securities	6,665.3	7,003.0	7,465.0	7,206.0	5,747.0
short-term paper	*440.7*	*541.0*	*582.0*	*500.0*	*270.0*
bonds	*6,224.6*	*6,462.0*	*6,883.0*	*6,706.0*	*5,477.0*
equity	10,914.9	8,919.0	8,903.0	10,390.0	11,117.0
other	3,124.4	2,787.0	2,230.0	4,247.0	4,082.0
free of payment	2,785.0	2,583.0	2,398.0	2,820.0	2,772.0
debt securities	1,051.3	1,043.0	939.0	951.0	863.0
short-term paper	*56.2*	*70.5*	*54.0*	*51.0*	*33.0*
bonds	*995.1*	*973.0*	*885.0*	*900.0*	*830.0*
equity	1,679.8	1,489.5	1,418.0	1,824.0	1,879.0
other	53.9	50.0	41.0	45.0	30.0

[1] Includes transactions processed by the SSS (delivery instructions). Excludes multilateral net balances from the SSS.

Table 26

Value of delivery instructions processed[1]

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Monte Titoli					
Total value of delivery instructions	72,160.3	58,456.3	62,349.2	75,945.4	66,409.1
DVP	48,045.7	43,884.3	47,922.8	57,428.8	50,451.4
debt securities	45,983.1	42,279.3	46,409.3	55,365.8	48,467.4
short-term paper	*5,831.0*	*9,585.3*	*8,944.7*	*6,567.5*	*4,256.3*
bonds	*40,152.1*	*32,694.0*	*37,464.7*	*48,798.3*	*44,211.1*
equity	2,039.5	1,577.2	1,483.3	2,013.3	1,903.4
other	23.1	27.8	30.2	49.7	80.7
free of payment	24,114.6	14,572.0	14,426.4	18,516.6	15,957.6
debt securities	22,195.8	13,540.0	13,443.5	17,182.4	14,626.0
short-term paper	*1,674.1*	*2,287.2*	*1,530.2*	*1,311.5*	*810.7*
bonds	*20,521.7*	*11,252.8*	*11,913.3*	*15,870.9*	*13,815.3*
equity	1,870.6	1,013.6	969.9	1,309.3	1,304.5
other	48.3	18.4	13.0	24.9	27.2

[1] Includes transactions processed by the SSS (delivery instructions). Excludes multilateral net balances from the SSS.

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	127,799	127,515	127,298	127,083	127,110
GDP (JPY billions)	471,579	475,332	479,084	486,871	499,281
GDP per capita (JPY thousands)	3,690.0	3,727.7	3,763.5	3,831.1	3,927.9
Consumer price inflation (%)	-0.3	-0.1	0.3	2.8	0.8
Exchange rate (JPY/USD):					
end of year	*77.44*	*86.11*	*104.94*	*119.62*	*120.39*
average	*79.70*	*79.75*	*97.62*	*105.82*	*121.08*

[1] As of 1 October.

Sources: Bank of Japan; Ministry of Internal Affairs and Communications.

Table 2

Settlement media used by non-banks

(JPY billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks[1]	79,972.6	83,070.3	85,271.0	88,164.6	93,563.5
Value of transferable deposits[2]	461,430.8	477,208.8	506,766.0	530,560.7	552,482.6
Narrow money supply (M1)	541,403.4	560,279.1	592,037.0	618,725.3	646,046.1
Memo:					
Transferable deposits in foreign currencies[3]	5,367.2	5,659.8	6,639.6	7,264.1	7,848.5
Outstanding value on e-money storage[4]	141.5	161.5	184.4	212.2	240.5
on card-based products	*141.5*	*161.5*	*184.4*	*212.2*	*240.5*
on software- or network-based products	*nav*	*nav*	*nav*	*nav*	*nav*

[1] Notes and coin held by private corporations, individuals and local governments ("non-banks"). Includes commemorative coins. [2] Demand deposits held at all deposit-taking institutions. [3] Demand deposits held at domestically licensed banks, branches of foreign banks and shinkin banks. [4] Sum of available data.

Source: Bank of Japan.

Table 3

Settlement media used by banks

(JPY billions, end of year except as noted)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank[1]	30,716.4	42,879.0	96,806.9	162,113.5	230,569.3
required reserves	*7,598.8*	*7,827.9*	*8,200.5*	*8,556.6*	*8,795.4*
free reserves	*23,117.6*	*35,051.1*	*88,606.4*	*153,556.9*	*221,773.9*
Transferable balances held at other banks[2]	8,254.1	5,342.1	8,524.2	8,034.3	8,874.7
Memo:					
Credit extended by the central bank:	123,457.0	137,078.9	199,395.8	282,703.0	375,377.0
intraday[3]	*33,215.3*	*28,310.3*	*28,986.4*	*29,380.1*	*21,908.7*
overnight	*nav*	*nav*	*nav*	*nav*	*nav*
longer-term refinancing operations	*nav*	*nav*	*nav*	*nav*	*nav*

[1] Balances held by deposit-taking institutions subject to the reserve requirement system; average for the December reserve maintenance period. [2] Aggregate of balances held at domestically licensed banks and shinkin banks; as of end-September. [3] Yearly peak average; estimated.

Source: Bank of Japan.

Table 4

Banknotes and coin[1]

(JPY billions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	88,546.6	91,230.9	94,769.7	97,738.0	103,120.0
Total banknotes issued[2]	83,996.8	86,653.4	90,143.1	93,081.8	98,430.0
of which:					
JPY 10,000	*76,749.1*	*79,272.5*	*82,559.8*	*85,370.3*	*90,679.4*
JPY 5,000	*2,950.3*	*3,020.9*	*3,153.4*	*3,252.6*	*3,254.1*
JPY 2,000	*209.0*	*203.6*	*201.3*	*198.6*	*197.4*
JPY 1,000	*3,934.0*	*4,003.4*	*4,077.0*	*4,109.9*	*4,150.2*
Total coin issued[3]	4,549.7	4,577.5	4,626.5	4,656.2	4,690.0
of which:					
JPY 500	*2,008.0*	*2,046.6*	*2,092.1*	*2,124.4*	*2,165.9*
JPY 100	*1,033.6*	*1,037.3*	*1,049.7*	*1,055.1*	*1,057.5*
JPY 50	*218.3*	*216.9*	*218.2*	*220.1*	*220.4*
JPY 10	*197.2*	*196.1*	*195.9*	*195.5*	*194.3*
JPY 5	*56.1*	*55.4*	*55.1*	*55.0*	*54.6*
JPY 1	*39.2*	*39.0*	*39.0*	*38.7*	*38.3*
Banknotes and coin held by banks	8,574.0	8,160.6	9,498.7	9,573.4	9,556.5
Banknotes and coin in circulation outside banks	79,972.6	83,070.3	85,271.0	88,164.6	93,563.5

[1] Includes commemorative coins. [2] Includes some types of banknotes which are no longer printed but are still in circulation. [3] Includes some types of coins which are no longer minted but are still in circulation.

Source: Bank of Japan.

Table 5

Institutions offering payment services to non-banks

(end-March of the following year except as noted)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices	33	33	33	33	33
Number of accounts (thousands)	0.087	0.086	0.082	0.082	0.082
Value of accounts	nav	nav	nav	nav	nav
Memo:					
Number of accounts, all (thousands)	0.554	0.549	0.539	0.538	0.534
Value of accounts, all (JPY billions)[1]	27,510.6	47,367.4	117,888.2	188,238.2	262,750.2
Banks					
Number of institutions	1,506	1,491	1,466	1,417	1,378
Number of branches or offices	54,700	54,469	54,283	54,017	nav
Number of accounts (thousands)	391,805	389,436	387,638	387,239	386,827
of which: number of internet/PC-linked accounts (thousands) [2]	*60,259*	*65,813*	*nav*	*nav*	*nav*
Value of accounts (JPY billions)[1]	416,263.3	434,455.2	457,678.2	481,671.9	507,307.0
Domestically licensed banks[3]					
Number of institutions	143	141	140	140	140
Number of branches or offices	36,186	36,156	36,140	36,111	36,104
Value of accounts (JPY billions)[1]	373,848.0	390,704.8	411,654.7	433,069.6	456,783.6
Cooperative and rural banks[4]					
Number of institutions	1,306	1,293	1,271	1,223	1,185
Number of branches or offices	18,433	18,235	18,067	17,834	17,638
Value of accounts (JPY billions)[1, 5]	41,655.1	43,099.0	45,280.1	47,581.7	49,455.2
Branches of foreign banks					
Number of institutions	57	57	55	54	53
Number of branches or offices	81	78	76	72	nav
Value of accounts (JPY billions)[1]	760.2	651.4	743.4	1,020.6	1,068.2
Institutions offering payment services to non-banks (total)[6]					
Number of institutions	1,507	1,492	1,467	1,418	1,379
Number of branches or offices	54,733	54,502	54,316	54,050	nav
Number of accounts held by non-banks (thousands)	391,805	389,436	387,638	387,239	386,827
of which: number of internet/PC-linked accounts (thousands) [2]	*60,259*	*65,813*	*nav*	*nav*	*nav*
Value of accounts held by non-banks (JPY billions)[1]	416,263.3	434,455.2	457,678.2	481,671.9	507,307.0

For the footnotes, see the end of the table.

Table 5 (cont)

	2011	2012	2013	2014	2015
Memo:					
Electronic money institutions					
Number of institutions	nav	nav	nav	nav	nav
Outstanding value on e-money storages issued by e-money institutions	nav	nav	nav	nav	nav

[1] Average for March of the following year. [2] Based on a survey conducted by the Centre for Financial Industry Information Systems; the number of accounts used only for mobile banking is excluded. [3] Includes city banks, regional banks, regional banks II, trust banks, internet-only banks and Japan Post Bank. [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 only. [6] Sum of available data.

Sources: Bank of Japan; Japan Post Bank; Centre for Financial Industry Information Systems; Japanese Bankers Association.

Table 6

Payment card functions and accepting devices

(end-March of the following year except as noted)

	2011	2012	2013	2014	2015
Cards issued in the country (millions)					
Cards with a cash function[1, 2]	352.61	361.45	356.88	337.20	337.28
Cards with a debit function[2, 3]	415.00	417.00	418.00	419.00	421.00
Cards with a delayed debit function	nav	nav	nav	nav	nav
Cards with a credit function	260.27	259.79	267.22	258.90	nav
Cards with an e-money function[4]	174.97	200.16	229.67	263.96	302.51
Total number of cards (irrespective of the number of functions on the card)[5]	1,202.85	1,238.40	1,271.77	1,279.06	nav
of which: cards with a combined debit, cash and e-money function	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Retailer cards	nav	nav	nav	nav	nav
Terminals located in the country (thousands)					
ATMs[2]	137.77	137.29	137.89	136.75	136.75
ATMs with a cash withdrawal function	*137.77*	*137.29*	*137.89*	*136.75*	*136.75*
ATMs with a credit transfer function	*137.49*	*137.02*	*137.65*	*nav*	*nav*
POS terminals[6]	1,869.44	1,877.70	1,951.16	nav	nav
of which: EFTPOS terminals	*nav*	*nav*	*nav*	*nav*	*nav*
E-money card terminals[4]	1,092.00	1,214.00	1,396.00	1,569.00	1,853.00
e-money card loading/unloading terminals	*nav*	*nav*	*nav*	*nav*	*nav*
e-money card payment terminals	*1,092.00*	*1,214.00*	*1,396.00*	*1,569.00*	*1,853.00*

[1] In reality, the number of cards with a cash function is still larger than that of cards with a debit function. [2] As of end-September. [3] Figures for the J-Debit debit card scheme. [4] Based on the survey by the Bank of Japan. [5] Cards with multiple functions are counted multiple times. [6] Terminals with debit and credit functions are counted twice; as of September for credit and January of the following year for debit.

Sources: Centre for Financial Industry Information Systems; Japan Debit Card Promotion Association; Japan Consumer Credit Association; Bank of Japan.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year except as noted)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1, 2]	1,438.42	1,499.78	1,522.22	1,558.35	nav
paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
non-paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
Direct debits	nav	nav	nav	nav	nav
Card payments with cards issued in the country	6,124.78	6,826.74	nav	nav	nav
payments by cards with a debit function[3]	*13.43*	*12.95*	*12.41*	*11.43*	*10.60*
payments by cards with a delayed debit	*nav*	*nav*	*nav*	*nav*	*nav*
payments by cards with a credit function[4]	*6,111.35*	*6,813.79*	*nav*	*nav*	*nav*
E-money payment transactions[1, 5]	2,342.05	2,836.59	3,453.42	4,235.38	4,827.73
by cards with an e-money function	*2,342.05*	*2,836.59*	*3,453.42*	*4,235.38*	*4,827.73*
through other e-money storages	*nav*	*nav*	*nav*	*nav*	*nav*
Cheques[6]	82.59	77.45	73.05	68.86	64.10
Other payment instruments	nav	nav	nav	nav	nav
Total number of transactions with payment instruments[7]	9,987.83	11,240.56	nav	nav	nav
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions[1, 7, 8]	291.45	281.80	273.61	262.98	nav
ATM cash withdrawals	*291.45*	*281.80*	*273.61*	*262.98*	*nav*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions					
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions[1, 5]	2,342.05	2,836.59	3,453.42	4,235.38	4,827.73

[1] Figures for the year ending March of the following year. [2] Includes transactions handled by the Zengin System and other retail payment networks; excludes credit transfers through on-us accounts. [3] Figures for the J-Debit debit card scheme. [4] Estimate by the Bank of Japan based on a survey by the Japan Consumer Credit Association. [5] Based on the survey by the Bank of Japan. [6] Total number of transactions handled by all bill and cheque clearing systems in Japan. [7] Sum of available data. [8] Excludes cash withdrawals from "own ATMs" of financial institutions.

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

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions

(JPY trillions, total for the year except as noted)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1, 2]	2,630.96	2,724.71	2,912.69	2,967.79	nav
paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
non-paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
Direct debits	nav	nav	nav	nav	nav
Card payments with cards issued in the country	38.42	41.24	42.28	46.73	50.26
payments by cards with a debit function[3]	*0.65*	*0.56*	*0.49*	*0.46*	*0.43*
payments by cards with a delayed debit	*nav*	*nav*	*nav*	*nav*	*nav*
payments by cards with a credit function[4]	*37.77*	*40.69*	*41.79*	*46.27*	*49.83*
E-money payment transactions[1, 5]	2.06	2.59	3.35	4.20	4.79
by cards with an e-money function	*2.06*	*2.59*	*3.35*	*4.20*	*4.79*
Cheques[6]	379.63	369.20	366.44	332.66	299.03
Other payment instruments	nav	nav	nav	nav	nav
Total value of transactions with payment instruments[7]	3,051.07	3,137.75	3,324.76	3,351.37	nav
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions[1, 7, 8]	13.65	13.11	12.81	12.45	nav
ATM cash withdrawals	*13.65*	*13.11*	*12.81*	*12.45*	*nav*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions					
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions[1, 5]	2.06	2.59	3.35	4.20	4.79

[1] Figures for the year ending March of the following year. [2] Includes transactions handled by the Zengin System and other retail payment networks; excludes credit transfers through on-us accounts. [3] Figures for the J-Debit debit card scheme. [4] Data are not continuous owing to a change in collection methodology: data are estimated up to 2012 but actual from 2013. [5] Based on the survey by the Bank of Japan. [6] Total value of transactions handled by all bill and cheque clearing systems in Japan. [7] Sum of available data. [8] Excludes cash withdrawals from "own ATMs" of financial institutions.

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

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
BOJ-NET Funds Transfer System					
Number of participants	554	550	542	538	536
Direct participants	554	550	542	538	536
Banks	466	463	459	456	454
Central bank	0	0	0	0	0
Other direct participants	88	87	83	82	82
General government	*0*	*0*	*0*	*0*	*0*
Postal institution	*0*	*0*	*0*	*0*	*0*
Clearing and settlement organisations	*40*	*40*	*38*	*38*	*38*
Other financial institutions	*47*	*46*	*44*	*43*	*43*
Other	*1*	*1*	*1*	*1*	*1*
Indirect participants	0	0	0	0	0
Foreign Exchange Yen Clearing System					
Number of participants	208	206	203	202	201
Direct participants	29	27	27	28	27
Banks	28	26	26	27	26
Central bank	0	0	0	0	0
Other direct participants	1	1	1	1	1
Clearing and settlement organisations	*1*	*1*	*1*	*1*	*1*
Indirect participants	179	179	176	174	174
Retail payment systems					
Zengin System					
Number of participants	1,371	1,361	1,352	1,340	1,322
Direct participants	143	143	142	143	145
Banks	143	143	142	143	145
Indirect participants	1,228	1,218	1,210	1,197	1,177
Tokyo Clearing House					
Number of participants	323	318	317	315	312
Direct participants	105	105	106	106	106
Banks	104	104	105	105	105
Central bank	1	1	1	1	1
Other direct participants	0	0	0	0	0
Indirect participants	218	213	211	209	206

Sources: Japanese Bankers Association; Bank of Japan.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions
(thousands, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
BOJ-NET Funds Transfer System[1]					
Credit transfers sent	12,931	15,295	16,276	16,686	16,904
domestic	*nav*	*nav*	*nav*	*nav*	*nav*
cross-border	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border credit transfers received	nav	nav	nav	nav	nav
Concentration ratio in terms of volume[2]	47.9	47.5	45.8	49.4	48.0
Foreign Exchange Yen Clearing System					
Credit transfers sent	6,331	6,286	6,697	6,489	6,766
domestic	*nav*	*nav*	*nav*	*nav*	*nav*
cross-border	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border credit transfers received	nav	nav	nav	nav	nav
Concentration ratio in terms of volume	77.2	79.4	80.7	80.4	76.3
Retail payment systems					
Zengin System					
Total national transactions sent	1,394,753	1,460,891	1,480,708	1,514,859	1,548,337
credit transfers	*nav*	*nav*	*nav*	*nav*	*nav*
direct debits	*nav*	*nav*	*nav*	*nav*	*nav*
card payments	*nav*	*nav*	*nav*	*nav*	*nav*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of volume	nav	nav	nav	nav	nav
Tokyo Clearing House					
Total national transactions sent	26,635	24,965	23,475	22,034	20,591
credit transfers	*nav*	*nav*	*nav*	*nav*	*nav*
direct debits	*nav*	*nav*	*nav*	*nav*	*nav*
card payments	*nav*	*nav*	*nav*	*nav*	*nav*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of volume	nav	nav	nav	nav	nav

[1] All payments in the Foreign Exchange Yen Clearing System and large-value payments in the Zengin System have been settled on an RTGS basis via the BOJ-Net Funds Transfer System from October 2008 and November 2011 respectively. [2] Calculated based on transactions between participants in the system.

Sources: Japanese Bankers Association; Bank of Japan.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(JPY trillions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
BOJ-NET Funds Transfer System[1]					
Credit transfers sent	24,831.0	27,233.9	28,536.8	30,527.4	33,095.8
domestic	*nav*	*nav*	*nav*	*nav*	*nav*
cross-border	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border credit transfers received	nav	nav	nav	nav	nav
Concentration ratio in terms of value[2]	36.5	37.8	37.4	43.0	41.5
Foreign Exchange Yen Clearing System					
Credit transfers sent	2,821.4	2,460.2	2,912.9	3,055.0	3,840.9
domestic	*nav*	*nav*	*nav*	*nav*	*nav*
cross-border	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border credit transfers received	nav	nav	nav	nav	nav
Concentration ratio in terms of value	74.9	75.4	75.5	74.6	72.2
Retail payment systems					
Zengin System					
Total national transactions sent	2,566.7	2,651.9	2,855.7	2,899.1	2,982.4
credit transfers	*nav*	*nav*	*nav*	*nav*	*nav*
direct debits	*nav*	*nav*	*nav*	*nav*	*nav*
card payments	*nav*	*nav*	*nav*	*nav*	*nav*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of value	nav	nav	nav	nav	nav
Tokyo Clearing House					
Total national transactions sent	280.7	272.4	269.8	238.4	209.8
credit transfers	*nav*	*nav*	*nav*	*nav*	*nav*
direct debits	*nav*	*nav*	*nav*	*nav*	*nav*
card payments	*nav*	*nav*	*nav*	*nav*	*nav*
ATM transactions	*nav*	*nav*	*nav*	*nav*	*nav*
e-money transactions	*nav*	*nav*	*nav*	*nav*	*nav*
cheques	*nav*	*nav*	*nav*	*nav*	*nav*
other payment instruments	*nav*	*nav*	*nav*	*nav*	*nav*
Concentration ratio in terms of value	nav	nav	nav	nav	nav

[1] All payments in the Foreign Exchange Yen Clearing System and large-value payments in the Zengin System have been settled on an RTGS basis via the BOJ-Net Funds Transfer System from October 2008 and November 2011 respectively. [2] Calculated based on the transaction between participants in the system.

Sources: Japanese Bankers Association; Bank of Japan.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	118	115	114	114	115
of which: live	*118*	*115*	*114*	*114*	*115*
Sub-members	83	81	78	77	77
of which: live	*80*	*79*	*75*	*74*	*74*
Participants	51	53	56	63	74
of which: live	*49*	*51*	*56*	*61*	*72*
Total users	252	249	248	254	266
of which: live	*247*	*245*	*245*	*249*	*261*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	118,611	95,479	105,094	111,150	136,560
of which:					
category I	*10,956*	*10,809*	*10,971*	*10,288*	*11,694*
category II	*6,640*	*6,561*	*6,786*	*6,545*	*7,010*
Total messages received	86,880	79,572	89,679	90,782	103,571
of which:					
category I	*10,141*	*10,089*	*10,430*	*10,046*	*11,606*
category II	*8,071*	*7,767*	*8,891*	*8,591*	*9,158*
Domestic traffic	17,549	18,507	19,143	15,282	18,756
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
Tokyo Stock Exchange (TSE)[1, 2]					
Total number of participants	137	127	126	95	95
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*35*	*34*	*28*	*0*	*0*
other	*102*	*93*	*98*	*95*	*95*
Number of domestic participants	137	127	126	95	94
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*35*	*34*	*28*	*0*	*0*
other	*102*	*93*	*98*	*95*	*94*
Number of foreign participants	0	0	0	0	1
Osaka Exchange (OSE)[1, 3]					
Total number of participants	111	99	79	111	110
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*1*	*1*	*1*	*26*	*26*
other	*110*	*98*	*78*	*85*	*84*
Number of domestic participants	111	99	79	111	110
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*1*	*1*	*1*	*26*	*26*
other	*110*	*98*	*78*	*85*	*84*
Number of foreign participants	0	0	0	0	0
Tokyo Financial Exchange (TFX)					
Total number of participants	73	68	51	49	51
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*29*	*28*	*17*	*16*	*16*
other	*44*	*40*	*34*	*33*	*35*
Number of domestic participants	72	67	50	48	50
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*29*	*28*	*17*	*16*	*16*
other	*43*	*39*	*33*	*32*	*34*
Number of foreign participants	1	1	1	1	1
central bank	0	0	0	0	0
central counterparties (CCPs)	0	0	0	0	0
banks	0	0	0	0	0
other	1	1	1	1	1

[1] Following the merger of TSE and OSE, OSE's cash equity market was integrated into the TSE in July 2013, and TSE's derivatives market was integrated into the OSE in March 2014. [2] Data from 2014 are only for securities trading systems. [3] Data from 2013 are only for derivatives trading systems.

Sources: Tokyo Stock Exchange; Osaka Exchange; Tokyo Financial Exchange.

Table 21 (cont)

	2011	2012	2013	2014	2015
TFX					
Total value of contracts and transactions cleared	0.082	0.040	0.047	0.017	0.015
Value of securities transactions cleared	nap	nap	nap	nap	nap
Value of exchange-traded derivatives contracts cleared	0.082	0.040	0.047	0.017	0.015
financial futures	*nav*	*nav*	*nav*	*nav*	*nav*
financial options	*nav*	*nav*	*nav*	*nav*	*nav*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
OSE[3, 9]					
Total value of contracts and transactions cleared	3.141	2.934	7.268	nap	nap
Value of securities transactions cleared	nap	nap	nap	nap	nap
Value of exchange-traded derivatives contracts	3.141	2.934	7.268	nap	nap
financial futures	*nav*	*nav*	*nav*	*nap*	*nap*
financial options	*nav*	*nav*	*nav*	*nap*	*nap*
other financial derivatives[10]	*0.070*	*0.057*	*0.084*	*nap*	*nap*
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

[1] Value of contracts and transactions settled after the netting. [2] JGBCC was merged with the JSCC in October 2013. Pre-merger data for JGBCC are included in figures for JSCC. [3] OSE's clearing service was integrated into the JSCC in July 2013. [4] Sum of available data. [5] Includes stocks, convertible bonds, ETFs, covered warrants and share options. [6] Includes Treasury Discounting Bills (T-bills). [7] JSCC started clearing of OTC derivatives contracts from 2011. Data for value of obligations assumed are available on the JSCC website. [8] Figures for the year ending March of the following year. [9] Data of 2013 are from January to July. [10] Exchange FX margin trading.

Sources: Japan Securities Clearing Corporation; JASDEC DVP Clearing Corporation; Tokyo Financial Exchange; Osaka Exchange.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
Bank of Japan (BOJ)[1]					
Total number of participants	297	291	283	280	279
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*6*	*6*	*4*	*4*	*4*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*198*	*196*	*192*	*190*	*189*
other	*92*	*88*	*86*	*85*	*85*
Number of domestic participants	297	291	283	280	279
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*6*	*6*	*4*	*4*	*4*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*198*	*196*	*192*	*190*	*189*
other	*92*	*88*	*86*	*85*	*85*
Number of foreign participants	0	0	0	0	0
Japan Securities Depository Center (JASDEC)					
a) System for stocks					
Total number of participants	219	199	186	177	175
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*5*	*5*	*4*	*4*	*4*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*21*	*18*	*18*	*18*	*18*
other	*193*	*176*	*164*	*155*	*153*
Number of domestic participants	219	199	186	177	175
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*5*	*5*	*4*	*4*	*4*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*21*	*18*	*18*	*18*	*18*
other	*193*	*176*	*164*	*155*	*153*
Number of foreign participants	0	0	0	0	0
b) System for commercial paper					
Total number of participants	68	67	65	66	66
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*32*	*31*	*30*	*31*	*31*
other	*35*	*35*	*34*	*34*	*34*
Number of domestic participants	68	67	65	66	66
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*32*	*31*	*30*	*31*	*31*
other	*35*	*35*	*34*	*34*	*34*
Number of foreign participants	0	0	0	0	0

For the footnotes, see the end of the table.

Table 22 (cont)

	2011	2012	2013	2014	2015
c) System for corporate bonds					
Total number of participants	88	88	85	86	84
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*3*	*3*	*2*	*2*	*2*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*30*	*30*	*29*	*30*	*29*
other	*54*	*54*	*53*	*53*	*52*
Number of domestic participants	88	88	85	86	84
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*3*	*3*	*2*	*2*	*2*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*30*	*30*	*29*	*30*	*29*
other	*54*	*54*	*53*	*53*	*52*
Number of foreign participants	0	0	0	0	0
d) System for investment trust					
Total number of participants	184	179	174	172	172
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*2*	*2*	*1*	*1*	*1*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*39*	*38*	*36*	*35*	*35*
other	*143*	*139*	*137*	*136*	*136*
Number of domestic participants	184	179	174	172	172
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*2*	*2*	*1*	*1*	*1*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*39*	*38*	*36*	*35*	*35*
other	*143*	*139*	*137*	*136*	*136*
Number of foreign participants	0	0	0	0	0

[1] Figures show the number of the JGB Book-Entry System. Includes the number of offline participants.

Sources: Japan Securities Depository Center; Bank of Japan.

Table 23

Number of securities held on accounts at CSDs

(end-March of the following year)

	2011	2012	2013	2014	2015
BOJ					
Total number of securities held	nav	nav	nav	nav	nav
JASDEC					
Total number of securities held	75,778	73,277	70,882	70,851	71,256
debt securities	65,148	62,412	59,147	58,011	57,442
short-term paper [1]	*4,447*	*3,926*	*3,552*	*3,717*	*3,617*
bonds [2]	*60,701*	*58,486*	*55,595*	*54,294*	*53,825*
equity[3]	3,735	3,737	3,773	3,860	3,906
other[4]	6,895	7,128	7,962	8,980	9,908

[1] Commercial paper. [2] Corporate and municipal bonds. [3] Stocks, warrants for new shares, investment units, preferred shares, beneficial interests in investment trusts and other items pertaining to these instruments. [4] Corporate bonds with warrants for new stocks and investment trusts.

Source: Japan Securities Depository Center.

Table 24

Value of securities held on accounts at CSDs

(JPY trillions, end of year except as noted)

	2011	2012	2013	2014	2015
BOJ					
Total value of securities held	897.18	935.76	956.58	965.54	981.82
debt securities	897.18	935.76	956.58	965.54	981.82
government bonds [1]	*897.18*	*935.76*	*956.58*	*965.54*	*981.82*
JASDEC[2]					
Total value of securities held[3]	379.52	382.39	850.80	1003.59	981.42
debt securities	266.05	266.54	265.81	266.00	263.41
short-term paper [4]	*13.61*	*13.76*	*12.61*	*14.22*	*12.95*
bonds [5]	*252.44*	*252.78*	*253.20*	*251.78*	*250.46*
equity[6]	nav	nav	460.35	595.62	556.74
other[7]	113.47	115.85	124.64	141.97	161.26

[1] Includes T-bills. [2] As of end-March of the following year. [3] Sum of available data. [4] Commercial paper. [5] Corporate and municipal bonds. [6] Stocks, warrants for new shares, investment units, preferred shares, beneficial interests in investment trusts and other items pertaining to these instruments. [7] Corporate bonds with warrants for new stocks and investment trusts.

Sources: Japan Securities Depository Center; Bank of Japan.

Table 25

Number of delivery instructions processed

(thousands, total for the year except as noted)

	2011	2012	2013	2014	2015
BOJ					
Total number of delivery instructions	3,927.5	4,210.8	4,356.1	4,654.4	4,455.7
DVP	2,522.0	2,739.1	2,827.5	3,248.4	3,232.4
debt securities	2,522.0	2,739.1	2,827.5	3,248.4	3,232.4
government bonds [1]	*2,522.0*	*2,739.1*	*2,827.5*	*3,248.4*	*3,232.4*
free of payment	1,405.6	1,471.7	1,528.6	1,406.1	1,223.4
debt securities	1,405.6	1,471.7	1,528.6	1,406.1	1,223.4
government bonds [1]	*1,405.6*	*1,471.7*	*1,528.6*	*1,406.1*	*1,223.4*
JASDEC [2]					
Total number of delivery instructions	85,449.8	88,347.0	107,294.1	111,023.8	118,178.8
DVP	43,466.9	43,102.8	51,693.4	55,593.2	58,568.6
debt securities	246.6	253.4	250.9	317.8	283.2
short-term paper [3]	*113.3*	*118.8*	*127.9*	*197.0*	*173.0*
bonds [4]	*133.3*	*134.6*	*123.0*	*120.8*	*110.2*
equity [5]	42,365.2	41,904.8	50,369.1	54,015.2	57,008.0
other [6]	855.1	944.6	1,073.5	1,260.2	1,277.5
free of payment	41,983.0	45,244.2	55,600.7	55,430.6	59,610.2
debt securities	414.2	445.5	416.5	448.9	515.4
short-term paper [3]	*107.6*	*108.3*	*102.1*	*103.8*	*101.4*
bonds [4]	*306.6*	*337.2*	*314.4*	*345.0*	*413.9*
equity [5]	39,171.5	42,183.4	52,114.2	51,668.1	55,741.3
other [6]	2,397.2	2,615.2	3,070.0	3,313.7	3,353.6

[1] Includes T-bills. [2] Figures for the year ending March of the following year. [3] Commercial paper. [4] Corporate and municipal bonds. [5] Stocks, warrants for new shares, investment units, preferred shares, beneficial interests in investment trusts and other items pertaining to these instruments. [6] Corporate bonds with warrants for new stocks and investment trusts. For investment trusts, figures for new issuance and redemption are reported.

Sources: Japan Securities Depository Center; Bank of Japan.

Table 26

Value of delivery instructions processed

(JPY trillions, total for the year except as noted)

	2011	2012	2013	2014	2015
BOJ					
Total value of delivery instructions	18,532.3	20,617.4	22,125.9	24,712.7	24,800.7
DVP	9,125.3	10,336.2	10,811.3	13,231.7	13,360.1
debt securities	9,125.3	10,336.2	10,811.3	13,231.7	13,360.1
government bonds[1]	*9,125.3*	*10,336.2*	*10,811.3*	*13,231.7*	*13,360.1*
free of payment	9,407.0	10,281.1	11,314.7	11,480.9	11,440.6
debt securities	9,407.0	10,281.1	11,314.7	11,480.9	11,440.6
government bonds[1]	*9,407.0*	*10,281.1*	*11,314.7*	*11,480.9*	*11,440.6*
JASDEC[2]					
Total value of delivery instructions[3]	1,290.9	1,315.5	1,367.1	1,759.8	1,686.5
DVP[3]	770.3	808.5	860.4	1,230.5	1,104.1
debt securities	682.9	706.7	719.2	1,094.0	981.8
short-term paper[4]	*614.9*	*643.0*	*662.4*	*1,037.9*	*930.8*
bonds[5]	*68.0*	*63.7*	*56.9*	*56.1*	*51.0*
equity	nav	nav	nav	nav	nav
other	87.4	101.8	141.1	136.5	122.3
free of payment[3]	520.6	507.0	506.7	529.4	582.4
debt securities	467.2	445.1	422.8	444.5	494.8
short-term paper[4]	*378.5*	*365.3*	*344.1*	*342.2*	*341.3*
bonds[5]	*88.7*	*79.8*	*78.7*	*102.2*	*153.5*
equity	nav	nav	nav	nav	nav
other[6]	53.4	62.0	83.9	84.9	87.6

[1] Includes T-bills. [2] Figures for the year ending March of the following year. [3] Sum of available data. [4] Commercial paper. [5] Corporate and municipal bonds. [6] Investment trusts; figures for new issuance and redemption are reported.

Sources: Japan Securities Depository Center; Bank of Japan.

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)	49,779.4	50,004.4	50,219.7	50,424.0	50,617.0
GDP (KRW billions)	1,332,681	1,377,457	1,429,445	1,486,079	1,558,592
GDP per capita (KRW)	26,771,715	27,546,687	28,463,855	29,471,693	30,791,833
Consumer price inflation (%)	4.0	2.2	1.3	1.3	0.7
Exchange rate (KRW/USD):					
end of year	*1,153.30*	*1,071.10*	*1,055.30*	*1,099.20*	*1,172.00*
average	*1,108.11*	*1,126.88*	*1,095.04*	*1,053.22*	*1,131.49*

Source: Bank of Korea.

Table 2

Settlement media used by non-banks

(KRW billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks	39,609	44,174	53,316	64,439	76,343
Value of transferable deposits	402,468	425,837	462,327	521,384	632,110
Narrow money supply (M1)	442,078	470,011	515,643	585,823	708,453
Memo:					
Transferable deposits in foreign currencies[1]	nap	nap	nap	nap	nap
Outstanding value on e-money storage[1]	nap	nap	nap	nap	nap

[1] Not classified as M1.

Source: Bank of Korea.

Table 3

Settlement media used by banks

(KRW billions, average for December except as noted)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	38,278.6	39,291.5	41,631.5	45,339.8	51,146.1
required reserves	*38,257.6*	*39,277.1*	*41,618.2*	*45,319.3*	*51,109.4*
free reserves	*21.0*	*14.4*	*13.3*	*20.5*	*36.8*
Transferable balances held at other banks	nap	nap	nap	nap	nap
Memo:					
Credit extended by the central bank:					
intraday	*1,743.9*	*1,906.4*	*1,380.8*	*1,539.0*	*989.0*
overnight	*nav*	*nav*	*nav*	*nav*	*nav*
longer refinancing operations (repos) [1]	*7,399.6*	*7,315.0*	*8,690.1*	*10,703.4*	*15,298.3*

[1] Amount of the aggregate credit ceiling loan at the end of year.

Source: Bank of Korea.

Table 4

Banknotes and coin

(KRW billions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	48,549.93	54,222.86	63,249.95	74,823.68	86,631.37
Total banknotes issued	46,557.72	52,176.32	61,135.22	72,643.80	84,361.98
KRW 50,000 [1]	*25,960.30*	*32,766.49*	*40,681.24*	*52,003.42*	*64,323.61*
KRW 10,000	*18,247.20*	*16,966.02*	*17,878.08*	*17,946.29*	*17,229.86*
KRW 5,000	*1,046.70*	*1,097.13*	*1,184.86*	*1,249.77*	*1,307.12*
KRW 1,000	*1,290.01*	*1,333.17*	*1,377.53*	*1,430.82*	*1,487.88*
other [2]	*13.51*	*13.51*	*13.51*	*13.51*	*13.51*
Total coin issued	1,992.22	2,046.55	2,114.73	2,179.88	2,269.39
of which:					
KRW 500	*995.91*	*1,018.99*	*1,050.46*	*1,084.13*	*1,144.82*
KRW 100	*825.22*	*852.91*	*884.57*	*912.06*	*937.05*
KRW 50	*97.18*	*97.56*	*99.19*	*100.69*	*102.55*
KRW 10	*72.28*	*75.45*	*78.86*	*81.37*	*83.34*
other [3]	*1.64*	*1.64*	*1.64*	*1.64*	*1.64*
Banknotes and coin held by banks[4]	8,933.28	10,041.30	9,925.35	10,376.38	10,274.76
Banknotes and coin in circulation outside banks[4]	39,609.10	44,173.80	53,316.20	64,438.50	76,343.40

[1] Was printed in June 2009 for the first time. [2] Banknotes which are no longer printed but are still in circulation. [3] Coins which are no longer issued but are still in circulation, including KRW 5 and KRW 1. [4] Excludes banknotes which are issued but not in circulation, as possessed for souvenirs.

Source: Bank of Korea.

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices	17	17	17	17	17
Number of accounts (thousands)	0.080	0.082	0.082	0.078	0.088
Value of accounts, all (KRW billions)	31,499.4	34,010.7	40,892.4	41,397.6	43,425.7
Memo:					
Number of accounts, banks (thousands)	0.257	0.256	0.258	0.258	0.266
Banks					
Number of institutions	56	57	57	57	59
Number of branches or offices	7,782	7,908	7,819	7,621	7,512
Number of accounts (thousands)	32,299	33,869	37,267	39,008	35,809
of which: number of internet/PC-linked accounts	*nav*	*nav*	*nav*	*nav*	*nav*
Value of accounts (KRW billions)[1]	97,708.1	103,132.0	114,145.8	125,881.0	160,199.6
Domestically licensed banks					
Number of institutions	13	13	13	13	12
Number of branches or offices	5,698	5,767	5,666	5,487	5,380
Value of accounts (KRW billions)	66,538.8	68,102.8	76,054.6	79,931.4	97,397.0
Special purpose banks[2]					
Number of institutions	5	5	5	5	5
Number of branches or offices	2,012	2,068	2,080	2,070	2,065
Value of accounts (KRW billions)	29,599.1	32,829.7	35,351.3	42,884.0	58,021.6
Branches of foreign banks					
Number of institutions	38	39	39	39	42
Number of branches or offices	72	73	73	64	67
Value of accounts (KRW billions)	1,570.2	2,199.5	2,739.9	3,065.6	4,781.0

For the footnotes, see the end of the table.

Table 5 (cont)

	2011	2012	2013	2014	2015
Other institutions offering payment services to non-banks					
Number of institutions	3,814	3,779	3,751	3,676	3,605
Number of branches or offices	11,247	11,094	10,885	10,453	10,299
Number of accounts (thousands)	nav	nav	nav	nav	nav
Value of accounts (KRW billions)	46,424.6	46,871.0	45,702.4	51,668.8	60,797.1
Federations of non-bank credit institutions[3]					
Number of institutions	3,751	3,716	3,688	3,616	3,548
Number of branches or offices	6,521	6,556	6,505	6,467	6,409
Value of accounts (KRW billions)[1]	19,091.3	19,793.8	22,119.5	24,553.0	28,355.7
Korea Post					
Number of institutions	1	1	1	1	1
Number of branches or offices	2,769	2,769	2,768	2,651	2,611
Value of accounts (KRW billions)[1]	504.6	528.4	518.9	533.4	611.1
Financial investment companies					
Number of institutions	62	62	62	59	56
Number of branches or offices	1,957	1,769	1,612	1,335	1,279
Value of accounts (KRW billions)[4]	26,828.8	26,548.9	23,064.0	26,582.5	31,830.2
Institutions offering payment services to non-banks (total)					
Number of institutions	3,871	3,837	3,809	3,734	3,665
Number of branches or offices	19,046	19,019	18,721	18,091	17,828
Number of accounts held by non-banks	nav	nav	nav	nav	nav
Value of accounts held by non-banks (KRW billions)	175,632.1	184,013.7	200,740.6	218,947.4	264,422.4
Memo:					
Electronic money institutions					
Number of institutions	3	3	3	3	3
Outstanding value on e-money storages issued by e-money institutions (KRW billions)	11.8	10.8	10.6	10.2	9.1

[1] Demand deposits only. [2] Korea Development Bank, Industrial Bank of Korea, Export-Import Bank of Korea, Nonghyup and National Federation of Fisheries. [3] Mutual Savings Banks, Credit Unions, Mutual Credits and Community Credit Cooperatives. [4] Includes Customer's deposit and Cash Management Accounts.

Sources: Bank of Korea; Financial Supervisory Service.

Table 6

Payment card functions and accepting devices

(end of year)

	2011	2012	2013	2014	2015
Cards issued in the country (thousands)					
Cards with a debit function	141,467.8	148,376.5	149,282.5	154,050.6	159,229.0
Cards with a credit function	122,138.7	116,231.2	102,021.8	92,321.0	93,095.4
Cards with an e-money function	18,332.6	21,436.1	23,763.8	26,245.8	27,398.3
of which: cards with an e-money function which have been loaded at least once	*nav*	*nav*	*nav*	*nav*	*nav*
Total number of cards (irrespective of the number of functions on the card)	281,939.1	286,043.9	275,068.1	272,617.4	279,722.7
of which: cards with a combined debit, cash and e-money function	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Retailer cards	nav	nav	nav	nav	nav
Terminals located in the country					
ATMs	118,507	122,908	124,236	122,289	121,344
ATMs with a cash withdrawal function	*118,507*	*122,908*	*124,236*	*122,289*	*121,344*
ATMs with a credit transfer function	*118,507*	*122,908*	*124,236*	*122,289*	*121,344*
POS terminals	nav	nav	nav	nav	nav
E-money card terminals	nav	nav	nav	nav	nav

Source: Bank of Korea.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1]	2,909.78	3,165.16	3,434.75	3,696.30	4,011.93
paper-based	*296.24*	*307.99*	*286.70*	*273.49*	*266.43*
non-paper-based	*2,613.54*	*2,857.17*	*3,148.06*	*3,422.81*	*3,745.50*
Direct debits[1]	1,492.60	1,652.96	1,702.21	1,700.00	1,709.12
Card payments with cards issued in the country	8,364.99	9,893.57	11,477.67	13,150.21	15,122.77
payments by cards with a debit function	*1,909.71*	*2,545.29*	*3,443.43*	*4,401.63*	*5,403.28*
payments by cards with a credit function	*6,455.28*	*7,348.27*	*8,034.24*	*8,748.59*	*9,719.49*
E-money payment transactions	113.09	69.64	47.88	38.81	33.31
by cards with an e-money function	*113.09*	*69.64*	*47.88*	*38.81*	*33.31*
through other e-money storages	*nap*	*nap*	*nap*	*nap*	*nap*
Cheques[2]	612.90	460.14	364.25	310.33	254.04
Other payment instruments[3]	0.45	0.42	0.38	0.35	0.31
Total number of transactions with payment instruments	13,493.80	15,241.88	17,027.15	18,896.00	21,131.47
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	242.70	260.00	270.40	271.00	269.90
ATM cash withdrawals	*242.70*	*260.00*	*270.40*	*271.00*	*269.90*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	8,364.99	9,893.57	11,477.67	13,150.21	15,122.77
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	113.09	69.64	47.88	38.81	33.31

[1] Excludes transfers within the financial institution. [2] Includes promissory notes, personal cheques and cashier's cheques. [3] Bills of exchange.

Source: Bank of Korea.

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions
(KRW billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1]	12,382,661	13,148,601	13,873,157	15,291,174	17,658,126
paper-based	*78,183*	*93,653*	*94,394*	*97,393*	*94,624*
non-paper-based	*12,304,478*	*13,054,948*	*13,778,763*	*15,193,782*	*17,563,503*
Direct debits[1]	160,828	176,182	180,450	177,671	179,802
Card payments with cards issued in the country	527,838	570,761	597,129	630,609	686,339
payments by cards with a debit function	*69,858*	*84,816*	*96,151*	*113,917*	*134,421*
payments by cards with a credit function	*457,980*	*485,945*	*500,978*	*516,692*	*551,918*
E-money payment transactions	2,068	1,620	1,217	1,000	841
by cards with an e-money function	*2,068*	*1,620*	*1,217*	*1,000*	*841*
through other e-money storages	*nav*	*nav*	*nav*	*nav*	*nav*
Cheques[2]	8,222,015	7,251,755	6,405,016	5,973,199	5,653,426
Other payment instruments[3]	43,589	40,744	37,206	32,566	28,338
Total value of transactions with payment instruments	21,338,998	21,189,662	21,094,174	22,106,219	24,206,873
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	53,069	56,388	59,150	60,379	62,056
ATM cash withdrawals	*53,069*	*56,388*	*59,150*	*60,379*	*62,056*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	527,838	570,761	597,129	630,609	686,339
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	2,068	1,620	1,217	1,000	841

[1] Excludes transfers within the financial institution. [2] Includes promissory notes, personal cheques and cashier's cheques. [3] Bills of exchange.

Source: Bank of Korea.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
BOK-Wire+					
Number of participants	134	133	134	133	130
Direct participants	134	133	134	133	130
Banks	55	55	56	56	56
Central bank	1	1	1	1	1
Other direct participants	78	77	77	76	73
General government	*nav*	*nav*	*nav*	*nav*	*nav*
Postal institution	*nav*	*nav*	*nav*	*nav*	*nav*
Clearing and settlement organisations [1]	*6*	*5*	*5*	*5*	*6*
Other financial institutions [2]	*65*	*64*	*63*	*63*	*59*
Other [3]	*7*	*8*	*9*	*8*	*8*
Indirect participants	nav	nav	nav	nav	nav
Retail payment systems					
Check Clearing System					
Number of participants	27	27	27	27	25
Direct participants	27	27	27	27	25
Banks	18	18	18	18	17
Central bank	1	1	1	1	1
Other direct participants	8	8	8	8	7
General government	*nap*	*nap*	*nap*	*nap*	*nap*
Postal institution	*1*	*1*	*1*	*1*	*1*
Clearing and settlement organisations	*nap*	*nap*	*nap*	*nap*	*nap*
Other financial institutions	*0*	*0*	*0*	*0*	*0*
Other [5]	*7*	*7*	*7*	*7*	*6*
Interbank Shared Networks					
Number of participants	56	57	57	58	58
Direct participants	56	57	57	58	58
Banks	24	25	25	26	26
Central bank	0	0	0	0	0
Other direct participants	32	32	32	32	32
General government	*nap*	*nap*	*nap*	*nap*	*nap*
Postal institution	*1*	*1*	*1*	*1*	*1*
Clearing and settlement organisations	*nap*	*nap*	*nap*	*nap*	*nap*
Other financial institutions [4]	*25*	*25*	*25*	*25*	*25*
Other [5]	*6*	*6*	*6*	*6*	*6*

[1] Includes Korea Securities Depository, Korea Money Broker Corp., Korea Stock Exchange, CLS, Seoul Money Brokerage Services. [2] Financial investment companies, insurance corporations and merchant banking corporations. [3] Includes Korean Federation of Community Credit Cooperatives, Credit Union Federation, Korea Deposit Insurance Corp., Korea Securities Finance Corp., Korea Federation of Savings Banks, National Forestry Cooperatives Federation, Korea Finance Corporation and National Agricultural Cooperative Federation. [4] Financial investment companies: under the Financial Investment Services and Capital Markets Act 2009, they are allowed to provide funds transfer services directly to individual customers. [5] Includes Mutual Credits, Korean Federation of Community Credit Cooperatives, Credit Union Federation, Korea Federation of Savings Banks, etc.

Source: Bank of Korea.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
BOK-Wire+					
Total transactions sent	3.62	3.30	3.43	3.52	3.56
Concentration ratio in terms of volume (%)	30.0	28.0	26.6	28.1	27.8
Retail payment systems					
Check Clearing System					
Total transactions sent	417.73	308.61	241.09	203.64	164.85
cheques [1]	417.28	308.19	240.71	203.29	164.54
other payment instruments [2]	0.4	0.4	0.4	0.3	0.3
Concentration ratio in terms of volume (%)	nav	nav	nav	nav	nav
Interbank Shared Networks					
Total transactions sent	3,478.43	3,750.09	4,055.83	4,340.67	4,703.83
credit transfers [3]	2,220.35	2,424.40	2,683.36	2,914.17	3,217.38
direct debits [3]	702.48	718.35	729.63	747.44	783.53
card payments [4]	0.79	0.58	0.41	0.29	0.19
ATM transactions	554.81	606.75	642.43	678.77	702.73
e-money transactions	nav	nav	nav	nav	nav
Concentration ratio in terms of volume (%)	nav	nav	nav	nav	nav

[1] Includes promissory notes, personal cheques and cashier's cheques. [2] Bills of exchange. [3] Excludes transfers within the financial institution. [4] Includes payments by cards with a debit function.
Source: Bank of Korea.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(KRW trillions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
BOK-Wire+					
Total transactions sent	51,494.8	56,307.1	57,713.7	60,003.1	67,792.8
Concentration ratio in terms of value (%)	34.5	35.2	32.7	33.8	34.3
Retail payment systems					
Check Clearing System					
Total transactions sent	5,261.9	4,280.7	3,711.3	3,090.1	2,531.3
cheques [1]	5,218.4	4,240.0	3,674.1	3,057.5	2,502.9
other payment instruments [2]	43.6	40.7	37.2	32.6	28.3
Concentration ratio in terms of value (%)	nav	nav	nav	nav	nav
Interbank Shared Networks					
Total transactions sent	12,405.2	13,157.6	13,877.9	15,285.6	17,655.7
credit transfers [3]	12,041.0	12,775.5	13,482.7	14,868.7	17,217.4
direct debits [3]	89.5	90.8	89.3	87.9	90.5
card payments [4]	0.034	0.023	0.016	0.011	0.008
ATM transactions	274.7	291.3	305.9	329.0	347.7
e-money transactions	nav	nav	nav	nav	nav
Concentration ratio in terms of value (%)	nav	nav	nav	nav	nav

[1] Includes promissory notes, personal cheques and cashier's cheques. [2] Bills of exchange. [3] Excludes transfers within the financial institution. [4] Includes payments by cards with a debit function.

Source: Bank of Korea.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	20	20	20	20	19
of which: live	*20*	*20*	*20*	*20*	*19*
Sub-members	43	44	44	44	49
of which: live	*41*	*42*	*42*	*43*	*45*
Participants	21	30	39	40	45
of which: live	*20*	*26*	*34*	*38*	*41*
Total users	84	94	103	104	113
of which: live	*81*	*88*	*96*	*101*	*105*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	37,822	39,175	43,393	49,057	64,491
of which:					
category I	*7,508*	*7,499*	*7,484*	*7,923*	*8,111*
category II	*2,351*	*2,163*	*2,170*	*2,284*	*3,561*
Total messages received	23,623	23,943	26,031	28,401	37,986
of which:					
category I	*5,854*	*5,995*	*6,163*	*6,443*	*6,449*
category II	*1,290*	*1,206*	*1,178*	*1,289*	*2,266*
Domestic traffic	6,855	6,852	6,731	7,058	11,045
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
Korea Exchange					
Total number of participants	95	94	93	92	97
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*26*	*27*	*27*	*26*	*35*
other	*69*	*67*	*66*	*66*	*62*
Number of domestic participants	95	94	93	92	97
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*26*	*27*	*27*	*26*	*35*
other	*69*	*67*	*66*	*66*	*62*
Number of foreign participants	nap	nap	nap	nap	nap

Source: Korea Exchange.

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
Korea Exchange					
Total number of listed securities	11,769	12,187	13,232	13,885	14,513
debt securities	9,795	10,247	11,255	11,850	12,364
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	1,974	1,940	1,977	2,035	2,149
other	nav	nav	nav	nav	nav

Source: Korea Exchange.

Table 16

Market capitalisation of listed companies

(KRW trillions, end of year)

	2011	2012	2013	2014	2015
Korea Exchange					
Total market capitalisation/equity	1,148.0	1,263.4	1,306.2	1,336.8	1,448.4

Source: Korea Exchange.

Korea

(millions, total for the year)

	2011	2012	2013	2014	2015
Korea Exchange					

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	108,813	116,284	117,645	118,978	120,285
GDP (MXN billions)[2]	14,550	15,627	16,118	17,256	18,127
GDP per capita (MXN)	133,715	134,386	137,006	145,035	150,700
Consumer price inflation (%)[3]	3.4	4.1	3.8	4.0	2.7
Exchange rate (MXN/USD):[4]					
end of year	*13.9787*	*13.0101*	*13.0765*	*14.7180*	*17.2070*
average	*12.4273*	*13.1685*	*12.7675*	*13.2983*	*15.8540*

[1] Start of the year. Source: CONAPO. [2] Average of quarterly GDP at market prices. Source: INEGI. [3] Average for the year. Source: Bank of Mexico and INEGI. [4] Exchange rate to pay obligations entered into in US dollars payable in Mexico (FIX). Source: Bank of Mexico.

Table 2

Settlement media used by non-banks

(MXN billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks	665.92	734.03	792.93	928.78	1,088.11
Value of transferable deposits	1,282.57	1,380.23	1,529.32	1,712.01	1,925.07
Other	134.69	165.78	191.51	238.41	338.80
Narrow money supply (M1)[1]	2,083.18	2,280.05	2,513.76	2,879.20	3,351.98
Memo:					
Transferable deposits in foreign currencies	134.69	165.78	191.51	238.41	338.80
Outstanding value on e-money storage[2]	nap	nap	nap	nap	nap

[1] National definition of M1 does not include non-residents. [2] E-money products have not been widely adopted in Mexico. Source: Bank of Mexico.

Table 3

Settlement media used by banks

(MXN billions, average for December)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	279.729	279.482	279.339	321.192	265.898
required reserves	*279.215*	*279.215*	*278.529*	*319.993*	*264.993*
free reserves	*0.514*	*0.267*	*0.810*	*1.199*	*0.905*
Transferable balances held at other banks	10.654	13.404	12.462	10.663	10.663
Memo:					
Credit extended by the central bank:					
intraday	*298.300*	*361.707*	*337.688*	*349.587*	*356.847*
overnight [1]	*79.721*	*19.336*	*9.185*	*8.645*	*0.993*
longer refinancing operations [2]	*13.546*	*26.474*	*17.559*	*35.983*	*35.104*

[1] SIAC overnight overdrafts + renewed intraday repos + overnight credit open market operations + overnight repos open market operations. [2] Credit open market operations + repo open market operations.

Table 4

Banknotes and coin

(MXN millions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued[1]	763,490.9	845,395.6	917,875.2	1,062,892.0	1,239,327.0
Total banknotes issued[1]	734,769.6	814,242.2	885,256.9	1,027,102.0	1,200,027.4
MXN 1,000	*65,130.0*	*71,668.0*	*72,538.0*	*82,081.0*	*83,281.0*
MXN 500	*442,964.0*	*503,592.5*	*561,099.0*	*686,287.0*	*838,417.0*
MXN 200	*145,861.0*	*153,570.0*	*162,359.8*	*165,195.6*	*176,148.8*
MXN 100	*52,970.0*	*55,838.0*	*58,318.6*	*60,702.9*	*65,250.9*
MXN 50	*20,813.2*	*22,177.8*	*23,187.0*	*24,587.1*	*27,201.8*
MXN 20	*6,769.6*	*7,134.4*	*7,493.2*	*7,986.8*	*9,466.8*
MXN 10	*261.8*	*261.5*	*261.3*	*261.3*	*261.1*
Total coin issued[1, 2]	28,394.4	30,815.6	32,608.3	35,675.7	39,188.4
of which:					
MXN 100	*942.1*	*942.1*	*942.8*	*943.3*	*944.0*
MXN 50	*88.5*	*88.5*	*88.5*	*88.5*	*88.5*
MXN 20	*315.2*	*346.4*	*470.8*	*806.4*	*907.4*
MXN 10	*9,312.1*	*10,159.3*	*10,812.6*	*12,049.9*	*13,653.2*
MXN 5	*7,394.6*	*8,148.9*	*8,573.2*	*9,313.9*	*10,230.2*
MXN 2	*2,750.5*	*2,996.7*	*3,090.1*	*3,215.6*	*3,374.4*
MXN 1	*4,279.9*	*4,585.8*	*4,848.0*	*5,245.7*	*5,714.5*
MXN 0.5	*1,554.4*	*1,709.0*	*1,865.7*	*2,032.3*	*2,249.4*
Banknotes and coin held by banks	97,575.3	111,361.3	124,947.5	134,114.8	151,220.8
Banknotes and coin in circulation outside banks	665,915.6	734,034.3	792,927.7	928,777.2	1,088,106.3

[1] Due to approximation, the sum of the denominations may differ from the total. [2] Includes coins with denominations MXN 0.20, 0.10 and 0.05.

Source: Bank of Mexico.

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices[1]	1	1	1	1	1
Number of accounts, all (thousands)[3]	0.094	0.098	0.100	0.112	0.112
Value of accounts, all (MXN billions)	166.4	133.1	251.0	274.2	326.6
Memo:					
Number of accounts, banks (thousands)[2]	0.048	0.048	0.050	0.051	0.051
Banks					
Number of institutions	48	49	52	52	52
Number of branches or offices	12,382	12,977	13,177	13,361	12,849
Number of accounts (thousands)[4]	70,914.6	79,840.4	79,227.0	77,498.1	83,256.0
of which: number of internet/PC-linked accounts (thousands)	*16,614.7*	*19,759.9*	*21,401.4*	*24,713.0*	*27,871.4*
Value of accounts (MXN billions)	1,666.8	1,796.4	2,018.6	2,276.3	2,584.9
Commercial banks[4]					
Number of institutions	42	43	46	46	46
Number of branches or offices	11,786	12,413	12,581	12,698	12,234
Value of accounts (MXN billions)	1,652.7	1,781.7	1,993.5	2,237.3	2,551.1
Development banks[4]					
Number of institutions	6	6	6	6	6
Number of branches or offices	596	564	596	663	615
Value of accounts (MXN billions)	14.1	14.6	25.2	39.1	33.8
Branches of foreign banks					
Number of institutions	nap	nap	nap	nap	nap
Number of branches or offices	nap	nap	nap	nap	nap
Value of accounts (MXN billions)	nap	nap	nap	nap	nap
Other institutions offering payment services to non-banks					
Number of institutions	107	113	163	183	192
Number of branches or offices	3,501	3,744	4,313	4,416	4,650
Number of accounts (thousands)	6,104.3	6,357.8	7,643.0	8,009.9	8,897.1
Value of accounts (MXN billions)	58.5	63.5	78.3	88.5	100.1
Telegraph and postal office[5]					
Number of institutions	1	1	1	1	1
Number of branches or offices	1,576	1,580	1,568	1,571	1,667
Value of accounts (MXN billions)	nap	nap	nap	nap	nap
Credit Unions[4, 6]					
Number of institutions	106	112	162	182	191
Number of branches or offices	1,925	2,164	2,745	2,845	2,983
Value of accounts (MXN billions)	58.5	63.5	78.3	88.5	100.1
Institutions offering payment services to non-banks (total)					
Number of institutions	156	163	216	236	245
Number of branches or offices	15,884	16,722	17,491	17,771	17,500
Number of accounts held by non-banks (thousands)	77,018.9	86,198.2	86,870.0	85,508.0	92,153.3
of which: number of internet/PC-linked accounts (thousands)	*16,614.7*	*19,759.9*	*21,411.2*	*24,710.8*	*27,871.4*
Value of accounts held by non-banks (MXN billions)	1,891.7	1,993.0	2,348.0	2,639.0	3,011.6

For the footnotes, see the end of the table.

Table 5 (cont)

	2011	2012	2013	2014	2015
Memo:					
Electronic money institutions					
Number of institutions	nap	nap	nap	nap	nap
Outstanding value on e-money storages issued by e-money institutions (MXN billions)	nap	nap	nap	nap	nap

[1] Cashless payment services are provided only in the central office. [2] Banks participating in SPEI. [3] Banks + non-banks participating in SPEI + IMSS, ISSTE, FOVISSTE, TESOFE and PEMEX. [4] Source: CNBV reports. [5] Source: Telecomm. [6] SOFIPOS and SOCAPS.

Table 6

Payment card functions and accepting devices

(end of year)

	2011	2012	2013	2014	2015
Cards issued in the country (thousands)					
Cards with a cash function[1]	110,253	139,490	152,784	163,197	171,337
Cards with a debit function	85,603	112,685	126,053	134,640	141,700
Cards with a delayed debit function	nap	nap	nap	nap	nap
Cards with a credit function	24,650	25,369	25,887	28,549	29,637
Cards with an e-money function	nav	nav	nav	nav	nav
Total number of cards (irrespective of the number of functions on the card)	110,253	139,490	152,784	163,197	171,337
of which: cards with a combined debit, cash and e-money function	*0*	*0*	*0*	*0*	*0*
Memo:					
Retailer cards	nav	nav	nav	nav	nav
Terminals located in the country					
ATMs	36,448	40,549	40,192	43,012	45,895
ATMs with a cash withdrawal function	*36,448*	*40,549*	*40,192*	*43,012*	*45,895*
ATMs with a credit transfer function	*nap*	*nap*	*nap*	*nap*	*nap*
POS terminals	547,708	621,628	682,078	765,200	864,744
EFTPOS terminals	*nap*	*nap*	*nap*	*nap*	*nap*
E-money card terminals	nav	nav	nav	nav	nav
e-money card loading/unloading terminals	*nav*	*nav*	*nav*	*nav*	*nav*
e-money card payment terminals	*nav*	*nav*	*nav*	*nav*	*nav*

[1] The number of credit cards without a cash function is not significant.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1]	933.45	991.26	1,057.55	1,090.30	1,135.14
paper-based	*nap*	*nap*	*nap*	*nap*	*nap*
non-paper-based	*933.45*	*991.26*	*1,057.55*	*1,090.30*	*1,135.14*
Direct debits	53.02	58.65	62.81	70.27	79.99
Card payments with cards issued in the country[2]	1,232.84	1,516.06	1,759.68	1,973.44	2,314.16
payments by cards with a debit function	*741.83*	*930.50*	*1,116.02*	*1,296.61*	*1,588.61*
payments by cards with a credit function	*491.02*	*585.56*	*643.67*	*676.84*	*725.55*
E-money payment transactions	nav	nav	nav	nav	nav
Cheques[3]	398.31	377.52	348.28	330.51	311.47
Other payment instruments	nap	nap	nap	nap	nap
Total number of transactions with payment instruments	2,617.62	2,943.49	3,228.32	3,464.52	3,840.77
of which: cross-border transactions sent[4]	*9.45*	*13.32*	*16.85*	*16.59*	*20.51*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	1,389.35	1,438.84	1,488.06	1,605.79	1,598.75
ATM cash withdrawals	*1,389.35*	*1,438.84*	*1,488.06*	*1,605.79*	*1,598.75*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions	1,266.93	1,558.17	1,802.84	2,020.65	2,344.96
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	1,372.95	1,422.18	1,470.81	1,588.85	1,580.77
ATM cash withdrawals	*1,372.95*	*1,422.18*	*1,470.82*	*1,536.75*	*1,580.77*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions[5]	1,238.87	1,526.50	1,767.45	1,976.19	2,294.11
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	16.40	16.66	17.25	16.94	17.99
ATM cash withdrawals	*16.40*	16.66	*17.25*	*16.94*	*17.99*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions	28.06	31.67	35.39	44.46	50.85
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	5.15	5.17	5.00	5.24	4.71
ATM cash withdrawals	*5.15*	*5.17*	*5.00*	*5.24*	*4.71*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions	49.29	52.87	66.05	59.11	77.42
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav

[1] Intrabank transfers + internet transfers to foreign banks + interbank payments to credit cards + SPEI transfers originated by non-banks + TEF transfers (except those from Bank of Mexico). [2] POS operations + internet intrabank card operations + internet interbank card operations + internet international card operations. [3] Includes cheques in dollars. [4] Internet international transfers + internet international card payments. [5] POS national transactions + cash-back transactions.

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions

(MXN billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	244,097.24	246,884.20	250,596.16	259,506.12	268,357.81
paper-based	*nap*	*nap*	*nap*	*nap*	*nap*
non-paper-based	*244,097.24*	*246,884.20*	*250,596.16*	*259,506.12*	*268,357.81*
Direct debits	227.30	252.84	278.18	296.30	348.82
Card payments with cards issued in the country	815.72	995.66	1,143.60	1,239.86	1,520.85
payments by cards with a debit function	*359.08*	*441.09*	*526.51*	*605.62*	*723.39*
payments by cards with a credit function	*456.64*	*554.57*	*617.09*	*634.24*	*797.46*
E-money payment transactions	nap	nap	nap	nap	nap
Cheques	9,918.29	10,015.55	9,292.80	8,876.91	8,774.23
Other payment instruments	nap	nap	nap	nap	nap
Total value of transactions with payment instruments	255,058.55	258,148.24	261,310.74	269,919.17	279,001.71
of which: cross-border transactions sent	*577.22*	*732.75*	*881.41*	*1,110.93*	*1,835.29*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	2,138.03	2,284.92	2,441.16	2,711.91	2,864.18
ATM cash withdrawals	*2,138.03*	*2,284.92*	*2,441.16*	*2,711.91*	*2,864.18*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions	843.77	1,030.47	1,156.55	1,232.96	1,415.63
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	2,098.03	2,239.32	2,395.16	2,664.60	2,811.88
ATM cash withdrawals	*2,098.03*	*2,239.32*	*2,395.16*	*2,664.60*	*2,811.88*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions	772.30	943.44	1079.81	1161.69	1332.93
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	40.00	45.60	45.99	47.31	52.30
ATM cash withdrawals	*40.00*	*45.60*	*45.99*	*47.31*	*52.30*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions	71.47	87.03	76.73	71.27	82.70
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	12.32	14.73	13.83	14.54	18.88
ATM cash withdrawals	*12.32*	*14.73*	*13.83*	*14.54*	*18.88*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions	65.59	79.89	102.02	111.32	83.35
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap

For footnotes, see Table 7.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
SPEI					
Number of participants	89	93	95	107	107
Direct participants	89	93	95	107	107
Banks	47	47	50	51	51
Central bank	1	1	1	1	1
Other direct participants	41	45	44	55	55
General government	*0*	*0*	*0*	*0*	*0*
Postal institution	*1*	*1*	*1*	*1*	*1*
Clearing and settlement organisations [1]	*2*	*2*	*2*	*2*	*2*
Other financial institutions	*38*	*42*	*41*	*52*	*52*
Other	*nap*	*nap*	*nap*	*nap*	*nap*
Retail payment systems					
CECOBAN					
Number of participants	28	28	29	29	29
Direct participants	28	28	29	29	29
Banks	28	28	29	29	29

[1] CLS and Indeval (the CSD and SSS).

Sources: Bank of Mexico; CECOBAN.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions

(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
SPEI					
Total transactions sent[1]	110.65	171.74	217.58	262.90	334.90
Concentration ratio in terms of volume (%)	78.4	81.2	81.4	82.2	82.6
Retail payment systems					
CECOBAN					
Total transactions sent[2]	154.50	149.73	142.65	137.41	130.95
credit transfers	*24.04*	*25.81*	*26.77*	*25.90*	*23.32*
direct debits	*13.84*	*15.71*	*17.79*	*21.01*	*24.76*
cheques	*116.62*	*108.21*	*98.09*	*90.50*	*82.87*
Concentration ratio in terms of volume (%)	83.5	83.4	84.3	83.7	82.8

[1] Operations originated by Indeval (the SSS) are excluded. [2] Returns are excluded.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(MXN billions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
SPEI					
Total transactions sent	178,910.0	199,189.2	207,597.4	223,369.9	245,065.6
Concentration ratio in terms of value (%)	66.0	61.3	59.3	58.7	58.9
Retail payment systems					
CECOBAN					
Total transactions sent	3,774.6	3,820.0	3,583.1	3,366.5	3,286.7
credit transfers	*812.7*	*869.1*	*823.2*	*759.0*	*717.7*
direct debits	*46.6*	*58.7*	*68.8*	*79.8*	*92.8*
cheques	*2,915.3*	*2,892.2*	*2,691.1*	*2,527.8*	*2,476.2*
Concentration ratio in terms of value (%)	80.6	81.2	82.0	81.3	80.9

For footnotes, see Table 10.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	13	14	14	14	16
of which: live	*13*	*14*	*14*	*14*	*15*
Sub-members	13	12	11	10	12
of which: live	*13*	*13*	*11*	*10*	*12*
Participants	20	21	21	22	25
of which: live	*20*	*22*	*21*	*22*	*24*
Total users	46	47	46	46	53
of which: live	*46*	*49*	*46*	*46*	*51*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	12,630	14,810	16,983	17,127	21,120
of which:					
category I	*2,785*	*3,534*	*4,165*	*4,513*	*4,767*
category II	*966*	*1,116*	*1,134*	*1,179*	*1,096*
Total messages received	8,918	10,007	11,764	12,426	14,286
of which:					
category I	*3,233*	*3,470*	*3,632*	*3,404*	*3,913*
category II	*1,647*	*1,972*	*2,113*	*2,231*	*2,216*
Domestic traffic	848	1,238	1,333	1,208	1,628
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
BMV					
Total number of participants	34	34	31	30	31
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*nap*	*nap*	*nap*	*nap*	*nap*
other	*34*	*34*	*31*	*30*	*31*
Number of domestic participants	34	34	31	30	31
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*nap*	*nap*	*nap*	*nap*	*nap*
other	*34*	*34*	*31*	*30*	*31*
Number of foreign participants	nap	nap	nap	nap	nap
Mexder					
Total number of participants	51	48	45	68	48
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*17*	*13*	*14*	*26*	*14*
other	*34*	*35*	*31*	*42*	*34*
Number of domestic participants	44	39	38	58	39
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*17*	*13*	*14*	*26*	*14*
other	*27*	*26*	*24*	*32*	*25*
Number of foreign participants	7	9	7	10	9
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*nap*	*nap*	*nap*	*nap*	*nap*
other	*7*	*9*	*7*	*10*	*9*

Sources: BMV; Mexder.

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
BMV					
Total number of listed securities	722	898	969	958	1,018
debt securities	569	743	807	788	839
short-term paper	*nav*	*nav*	*nav*	*nav*	*nap*
bonds	*nav*	*nav*	*nav*	*nav*	*nap*
equity	153	155	162	170	179
Mexder					
Total number of listed securities	nap	nap	nap	nap	nap

Sources: BMV; Mexder.

Table 16

Market capitalisation of listed companies

(MXN billions, end of year)

	2011	2012	2013	2014	2015
BMV					
Total market capitalisation/equity	5,703.4	6,818.4	6,889.3	7,078.7	6,953.8
Mexder					
Total market capitalisation/equity	nap	nap	nap	nap	nap

Sources: BMV; Mexder.

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
BMV					
Total number of executed securities trades	11,190.6	19,681.9	34,564.3	38,743.7	48,949.6
debt securities	2.9	2.6	3.2	2.8	2.2
short-term paper	*nav*	*nav*	*nav*	*nav*	*nap*
bonds	*nav*	*nav*	*nav*	*nav*	*nap*
equity	11,187.7	19,679.3	34,561.1	38,740.9	48,947.3
Total number of executed derivatives trades	nap	nap	nap	nap	nap
Mexder					
Total number of executed securities trades	nap	nap	nap	nap	nap
Total number of executed derivatives trades	46,759.0	42,630.7	27,358.2	29,914.0	17,048.7
financial futures	*46,246.4*	*41,717.2*	*26,575.2*	*29,227.3*	*16,548.6*
financial options	*512.6*	*913.5*	*779.9*	*683.2*	*439.1*
other financial derivatives	*nap*	*nap*	*3.1*	*3.5*	*61.1*
commodity futures	*nap*	*0.004*	*0*	*0*	*0*

Sources: BMV; Mexder.

Table 18

Value of executed trades

(MXN billions, total for the year)

	2011	2012	2013	2014	2015
BMV					
Total value of executed securities trades	2,101.26	2,669.24	2,910.13	2,456.82	2,346.53
debt securities	3.83	8.95	2.38	3.41	2.88
short-term paper	*nav*	*nav*	*nav*	*nav*	*nap*
bonds	*nav*	*nav*	*nav*	*nav*	*nap*
equity	2,097.43	2,660.29	2,907.76	2,453.41	2,343.65
Total value of executed derivatives trades	nap	nap	nap	nap	nap
Mexder					
Total value of executed securities trades	nap	nap	nap	nap	nap
Total value of executed derivatives trades	5,240.43	4,873.92	3,378.26	3,948.88	2,596.80
financial futures	*5,215.55*	*4,854.68*	*3,349.04*	*3,917.24*	*2,528.40*
financial options	*24.88*	*19.23*	*26.12*	*28.13*	*53.02*
other financial derivatives	*nap*	*nap*	*3.10*	*3.50*	*15.38*
commodity futures	*nap*	*0.0004*	*0*	*0*	*0*

Sources: BMV; Mexder.

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
CCV					
Total number of clearing members	26	27	27	30	31
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*1*	*1*	*1*	*1*	*1*
other	*25*	*26*	*26*	*29*	*30*
Number of domestic clearing members	26	27	27	30	31
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*1*	*1*	*1*	*1*	*1*
other	*25*	*26*	*26*	*29*	*30*
Number of foreign clearing members	nap	nap	nap	nap	nap
Asigna[1]					
Total number of clearing members	5	6	6	7	7
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*5*	*5*	*5*	*5*	*5*
other	*0*	*1*	*1*	*2*	*2*
Number of domestic clearing members	5	6	6	7	7
central bank	*nap*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*nap*	*nap*	*nap*	*nap*	*nap*
banks	*5*	*5*	*5*	*5*	*5*
other	*0*	*1*	*1*	*2*	*2*
Number of foreign clearing members	nap	nap	nap	nap	nap

[1] Until 2009, the figures indicate the number of trusts acting as clearing members. From 2010 on, the figures represent the number of banks and brokerage houses ("other") that set up the trusts.

Sources: CCV; Asigna.

Table 20

Number of contracts and transactions cleared

(thousands, total for the year)

	2011	2012	2013	2014	2015
CCV					
Total number of contracts and transactions cleared	12,291.6	20,867.2	35,755.8	40,005.7	50,370.9
Number of securities transactions cleared	12,291.6	20,867.2	35,755.8	40,005.7	50,370.9
equity	12,291.6	20,867.2	35,755.8	40,005.7	50,370.9
of which: number of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Number of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
Asigna					
Total number of contracts and transactions cleared	46,759.0	42,630.7	27,358.2	29,914.0	17,048.8
Number of securities transactions cleared	nap	nap	nap	nap	nap
Number of exchange-traded derivatives contracts cleared	46,759.0	42,630.7	27,358.2	29,914.0	17,048.8
financial futures	*46,246.5*	*41,717.2*	*26,575.2*	*29,227.3*	*16,548.5*
financial options	*512.5*	*913.5*	*779.9*	*683.2*	*439.2*
other financial derivatives	*nap*	*nap*	*3.1*	*3.5*	*61.1*
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

Sources: CCV; Asigna.

Table 21

Value of contracts and transactions cleared

(MXN billions, total for the year)

	2011	2012	2013	2014	2015
CCV					
Total value of contracts and transactions cleared	2,729.4	3,331.3	4,004.6	3,205.3	3,337.3
Value of securities transactions cleared	2,729.4	3,331.3	4,004.6	3,205.3	3,337.3
equity	2,729.4	3,331.3	4,004.6	3,205.3	3,337.3
of which: value of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Value of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
Asigna					
Total value of contracts and transactions cleared	5,216.4	4,855.1	3,352.8	3,921.2	2,544.2
Value of securities transactions cleared	nap	nap	nap	nap	nap
Value of exchange-traded derivatives contracts cleared	5,216.4	4,855.1	3,352.8	3,921.2	2,544.2
financial futures	*5,215.5*	*4,854.7*	*3,349.1*	*3,917.1*	*2,527.5*
financial options	*0.8*	*0.4*	*0.6*	*0.6*	*1.3*
other financial derivatives	*nap*	*nap*	*3.1*	*3.5*	*15.4*
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

Sources: CCV; Asigna.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
Indeval					
Total number of participants	113	113	107	111	113
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
central securities depositories	*1*	*1*	*1*	*2*	*2*
banks	*55*	*55*	*56*	*54*	*55*
other	*55*	*55*	*48*	*53*	*54*
Number of domestic participants	109	109	103	106	107
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
central securities depositories	*0*	*0*	*0*	*1*	*1*
banks	*53*	*53*	*54*	*51*	*52*
other	*54*	*54*	*47*	*52*	*52*
Number of foreign participants	4	4	4	5	6
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*1*	*1*	*1*	*1*	*1*
banks	*2*	*2*	*2*	*3*	*3*
other	*1*	*1*	*1*	*1*	*2*

Source: Indeval.

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
Indeval					
Total number of securities held	7.983	8.750	9.150	9.672	10.342
debt securities	2.249	2.462	2.544	2.607	2.772
short-term paper	*0.725*	*0.663*	*0.734*	*0.736*	*0.803*
bonds	*1.524*	*1.799*	*1.810*	*1.871*	*1.969*
equity	5.734	6.288	6.606	7.065	7.570

Source: Indeval.

Table 24

Value of securities held on accounts at CSDs

(MXN billions, end of year)

	2011	2012	2013	2014	2015
Indeval					
Total value of securities held	15,305.9	17,602.5	19,722.7	21,509.8	22,305.4
debt securities	6,516.9	7,199.7	8,257.7	8,991.5	9,593.9
short-term paper	*1,148.4*	*1,290.1*	*1,601.9*	*1,587.4*	*1,492.8*
bonds	*5,368.6*	*5,909.6*	*6,655.8*	*7,404.1*	*8,101.1*
equity	8,789.0	10,402.7	11,465.0	12,518.4	12,711.5

Source: Indeval.

Table 25

Number of delivery instructions processed

(thousands, total for the year)

	2011	2012	2013	2014	2015
Indeval					
Total number of delivery instructions	4,517.7	4,774.6	5,348.9	5,217.2	5,520.0
DVP	2,171.2	2,267.7	2,494.5	2,516.9	2,670.1
debt securities	1,671.7	1,734.0	1,836.9	1,825.5	1,955.9
short-term paper	*184.2*	*202.0*	*184.1*	*161.0*	*177.2*
bonds	*1,487.5*	*1,531.9*	*1,652.7*	*1,664.5*	*1,778.7*
equity	499.5	533.7	657.7	691.4	714.2
free of payment	2,346.5	2,506.9	2,854.4	2,700.3	2,849.9
debt securities	1,158.3	1,272.2	1,455.3	1,316.9	1,378.4
short-term paper	*214.2*	*217.9*	*185.6*	*169.3*	*192.2*
bonds	*944.1*	*1,054.4*	*1,269.6*	*1,147.6*	*1,186.2*
equity	1,188.2	1,234.7	1,399.1	1,383.4	1,471.5

Source: Indeval.

Table 26

Value of delivery instructions processed

(MXN billions, total for the year)

	2011	2012	2013	2014	2015
Indeval[1]					
Total value of delivery instructions	1,118,567.4	1,216,257.7	1,234,873.8	1,296,911.7	1,293,967.6
DVP	711,655.1	801,366.0	797,933.8	841,764.7	835,756.2
debt securities	709,547.7	798,842.9	794,676.5	838,388.3	832,445.0
short-term paper	*86,727.3*	*112,878.1*	*93,554.6*	*79,297.7*	*92,781.6*
bonds	*622,820.4*	*685,964.8*	*701,121.8*	*759,090.6*	*739,663.3*
equity	2,107.5	2,523.1	3,257.3	3,376.4	3,311.2
free of payment	406,912.3	414,891.7	436,940.0	455,147.0	458,211.5
debt securities	396,092.3	401,298.4	420,703.2	442,358.0	443,165.7
short-term paper	*91,883.1*	*83,498.5*	*85,413.3*	*84,887.2*	*110,198.2*
bonds	*304,209.2*	*317,799.9*	*335,290.0*	*357,470.8*	*332,967.5*
equity	10,820.0	13,593.3	16,236.8	12,789.0	15,045.8

[1] Market value.

Source: Indeval.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TOP (TARGET component)					
Number of participants	100	107	112	111	105
Direct participants	54	61	66	66	63
Banks	48	55	59	59	56
Central bank	1	1	1	1	1
Other direct participants	5	5	6	6	6
General government	*2*	*2*	*2*	*2*	*2*
Clearing and settlement organisations	*3*	*3*	*4*	*4*	*4*
Other financial institutions	*0*	*0*	*0*	*0*	*0*
Indirect participants	46	46	46	45	42
Retail payment systems					
Equens					
Number of participants	47	64	123	161	162
Direct participants	44	61	99	66	72
Banks	43	60	98	65	71
Central bank	1	1	1	1	1
Indirect participants	3	3	24	95	90

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions

(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TOP (TARGET component)					
Credit transfers sent	8.35	8.52	7.98	6.38	5.74
credit transfers sent within the same TARGET component	*3.66*	*3.15*	*2.69*	*1.97*	*1.58*
credit transfers sent to another TARGET component	*4.69*	*5.37*	*5.29*	*4.41*	*4.17*
Memo:					
Credit transfers received from another TARGET component	2.88	2.84	2.85	2.63	2.54
Concentration ratio in terms of volume (%)	68.6	67.5	68.1	75.1	80.0
Retail payment systems					
Equens					
Total national transactions sent	4,021.42	2,739.89	2,556.86	1,921.91	1,619.40
Credit transfers	1,067.68	1,097.03	1,039.90	938.37	956.50
paper-based credit transfers	*122.60*	*119.94*	*86.39*	*2.56*	*nap*
non-paper-based credit transfers	*945.09*	*977.09*	*953.51*	*935.81*	*956.50*
Direct debits	1,117.85	1,169.97	1,154.81	748.83	662.82
Card payments	1,634.32	276.21	177.30	99.43	0.08
ATM transactions	201.57	196.68	184.84	135.28	0
Concentration ratio in terms of volume (%)	96.8	98.0	98.5	98.4	98.4

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
TOP (TARGET component)					
Credit transfers sent	79,205.58	105,830.29	69,177.62	58,931.60	60,247.48
credit transfers sent within the same TARGET component	*56,335.59*	*82,247.12*	*47,597.44*	*40,067.41*	*42,027.30*
credit transfers sent to another TARGET component	*22,869.99*	*23,583.17*	*21,580.18*	*18,864.19*	*18,220.18*
Memo:					
Credit transfers received from another TARGET component	23,056.05	23,537.25	21,741.01	17,893.09	18,265.54
Concentration ratio in terms of value (%)	67.4	76.2	65.5	74.9	70.9
Retail payment systems					
Equens					
Total national transactions sent	2,049.86	2,131.23	2,015.13	1,584.24	1,513.50
Credit transfers	1,700.87	1,827.08	1,727.42	1,433.52	1,400.02
paper-based credit transfers	*59.38*	*61.23*	*47.95*	*0.19*	*0*
non-paper-based credit transfers	*1,641.48*	*1,765.85*	*1,679.47*	*1,433.34*	*1,400.02*
Direct debits	269.83	274.28	262.23	134.06	113.48
Card payments	60.06	11.26	7.91	4.19	0
ATM transactions	19.10	18.60	17.57	12.47	0
Concentration ratio in terms of value (%)	88.6	94.0	93.1	90.2	89.0

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	24	24	24	23	23
of which: live	*24*	*24*	*24*	*23*	*23*
Sub-members	42	42	43	50	50
of which: live	*41*	*41*	*43*	*49*	*47*
Participants	57	59	67	77	97
of which: live	*56*	*57*	*62*	*71*	*91*
Total users	123	125	134	150	170
of which: live	*121*	*122*	*129*	*143*	*161*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	153,154	140,980	142,387	144,594	161,012
of which:					
category I	*21,900*	*22,678*	*19,008*	*15,123*	*13,927*
category II	*7,050*	*6,612*	*5,900*	*5,517*	*5,363*
Total messages received	200,453	186,524	191,247	205,356	215,785
of which:					
category I	*15,286*	*14,480*	*13,829*	*12,290*	*11,691*
category II	*3,338*	*2,861*	*2,723*	*2,408*	*2,320*
Domestic traffic	71,176	58,021	62,145	65,350	72,279
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
Euronext Amsterdam Stock Market					
Total number of participants	nav	nav	nav	nav	nav
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
Euronext Amsterdam Stock Market					
Total number of listed securities	9,773	10,387	11,359	13,454	16,869
debt securities	1,415	1,386	1,359	1,323	1,272
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	327	331	335	314	312
other	8,031	8,670	9,665	11,817	15,285

Table 16

Market capitalisation of listed companies

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Euronext Amsterdam Stock Market					
Total market capitalisation/equity	458.14	493.78	593.60	650.12	666.82

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
Euronext Amsterdam Stock Market					
Total number of executed securities trades	52,197	44,656	46,159	47,774	61,299
debt securities	265	228	201	239	175
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	49,169	42,227	43,687	44,998	59,787
other	2,763	2,201	2,271	2,537	1,337
Total number of executed derivatives trades	15,579	12,032	10,135	10,728	11,848

Table 18

Value of executed trades

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
Euronext Amsterdam Stock Market					
Total value of executed securities trades	465.277	364.193	398.758	461.459	586.050
debt securities	5.650	5.531	4.648	5.546	3.532
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	427.985	335.348	365.871	413.603	535.257
other	31.642	23.314	28.239	42.310	47.262
Total value of executed derivatives trades	1,752.861	1,246.528	1,201.761	1,360.352	1,562.276
financial futures	*816.032*	*670.862*	*656.695*	*765.153*	*989.381*
financial options	*936.829*	*575.666*	*545.066*	*595.199*	*572.894*

Table 19

Number of clearing members

	2011	2012	2013	2014	2015
LCH.Clearnet SA					
Total number of clearing members[1]	nav	nav	nav	nav	nav
EuroCCP N.V.[2]					
Total number of clearing members	58	51	49	48	45

[1] See France, Table 19. [2] As of the December 2013, EMCF N.V. and EuroCCP Ltd. merged and renamed the new combined company into EuroCCP N.V.

Table 20

Number of contracts and transactions cleared

(thousands, total for the year)

	2011	2012	2013	2014	2015
LCH. Clearnet SA					
Total number of contracts and transactions cleared	329,553	243,275	223,306	227,400	242,426
Number of securities transactions cleared	104,246	89,596	93,146	96,748	126,905
equity	104,246	89,596	93,146	96,748	126,905
of which: number of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Number of exchange-traded derivatives contracts cleared	225,307	153,679	130,160	130,652	115,521
financial futures	*25,212*	*20,957*	*18,088*	*19,075*	*21,538*
financial options	*200,095*	*132,722*	*112,071*	*111,577*	*93,983*
commodity futures	*nap*	*nav*	*nav*	*nav*	*nav*
commodity options	*nap*	*nav*	*nav*	*nav*	*nav*
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
EuroCCP N.V.[1]					
Total number of contracts and transactions cleared	1,164,373	816,418	673,350	1,274,114	1,758,822
Number of securities transactions cleared	1,164,373	816,418	673,350	1,274,114	1,758,822
debt securities	nav	nav	0	0	nav
equity	1,164,372	816,393	673,350	1,274,114	1,758,822
other	1	25	0	0	0

For the footnotes, see the end of the table.

Table 20 (cont)

	2011	2012	2013	2014	2015
EuroCCP N.V. of which, in Belgium[2]					
Total number of contracts and transactions cleared	nav	nav	nav	nav	nav
Number of securities transactions cleared	nav	nav	nav	nav	nav
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
EuroCCP N.V. of which, in France[2]					
Total number of contracts and transactions cleared	nav	nav	nav	nav	nav
Number of securities transactions cleared	nav	nav	nav	nav	nav
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
EuroCCP N.V. of which, in Germany[2]					
Total number of contracts and transactions cleared	1	25	4,040	890	1,198
Number of securities transactions cleared	1	25	4,040	890	1,198
debt securities	nav	nav	0	0	nav
equity	0	0	4,040	890	1,198
other	1	25	0	0	0

Table 20 (cont)

	2011	2012	2013	2014	2015
EuroCCP N.V. of which, in Italy[2]					
Total number of contracts and transactions cleared	nav	nav	nav	nav	nav
Number of securities transactions cleared	nav	nav	nav	nav	nav
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
EuroCCP N.V. of which, in Netherlands[2]					
Total number of contracts and transactions cleared	1,016	868	882	845	41
Number of securities transactions cleared	1,016	868	882	845	41
debt securities	nav	nav	nav	0	nav
equity	1,016	868	882	845	41
other	0	0	0	0	0
Number of exchange-traded derivatives contracts cleared	nav	nav	nav	nav	nav
Number of OTC derivatives contracts cleared	nav	nav	nav	nav	nav
EuroCCP N.V. of which, in Sweden[2]					
Total number of contracts and transactions cleared	178,785	161,009	140,128	155,179	199,765
Number of securities transactions cleared	178,785	161,009	140,128	155,179	199,765
debt securities	nav	nav	nav	0	nav
equity	178,785	161,009	140,128	155,179	199,765
other	0	0	0	0	0

Table 20 (cont)

	2011	2012	2013	2014	2015
EuroCCP N.V. of which, in Switzerland[2]					
Total number of contracts and transactions cleared	nav	nav	nav	nav	nav
Number of securities transactions cleared	nav	nav	nav	nav	nav
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
EuroCCP N.V. of which, in United Kingdom[2]					
Total number of contracts and transactions cleared	982,719	650,721	528,024	1,110,573	1,537,594
Number of securities transactions cleared	982,719	650,721	528,024	1,110,573	1,537,594
debt securities	nav	nav	nav	0	nav
equity	982,719	650,721	528,024	1,110,573	1,537,594
other	0	0	0	0	0
EuroCCP N.V. of which, in United States[2]					
Total number of contracts and transactions cleared	nav	nav	nav	6,578	19,855
Number of securities transactions cleared	nav	nav	nav	6,578	19,855
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	6,578	19,855
other	nav	nav	nav	0	0
EuroCCP N.V. of which, in Other[2, 3]					
Total number of contracts and transactions cleared	1,852	3,795	276	49	369
Number of securities transactions cleared	1,852	3,795	276	49	369
debt securities	nav	nav	0	0	nav
equity	1,852	3,795	276	49	369
other	0	0	0	0	0

[1] As of the December 2013, EMCF N.V. and EuroCCP Ltd. merged and renamed the new combined company into EuroCCP N.V. [2] As of 2015, data are reported by the country where the trade was transacted, instead of by the country of origin for the securities in question. Data have been adjusted to this definition back to 2011 inclusive. [3] Includes all jurisdictions that are not CPMI members.

Table 21

Value of contracts and transactions cleared

(EUR billions, total for the year)

	2011	2012	2013	2014	2015
LCH. Clearnet SA					
Total value of contracts and transactions cleared	4,399.48	3,197.90	3,098.85	3,608.91	4,251.85
Value of securities transactions cleared	905.26	717.98	784.02	908.38	1,159.35
equity	905.26	717.98	784.02	908.38	1,159.35
of which: value of repurchase transactions cleared	*nap*	*nap*	*nap*	*nap*	*nap*
Value of exchange-traded derivatives contracts cleared	3,494.22	2,479.92	2,314.83	2,700.54	3,092.50
financial futures	*1,630.49*	*1,339.44*	*1,311.19*	*1,523.49*	*1,976.32*
financial options	*1,863.72*	*1,140.49*	*1,003.63*	*1,177.05*	*1,115.53*
commodity futures	*nap*	*nav*	*nav*	*nav*	*0.6*
commodity options	*nap*	*nav*	*nav*	*nav*	*nav*
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap
EuroCCP N.V.[1]					
Total value of contracts and transactions cleared	6,142.4	3,907.7	3,730.9	7,111.6	11,117.5
Value of securities transactions cleared	6,142.4	3,907.7	3,730.9	7,111.6	11,117.5
debt securities	nav	nav	0	0	nav
equity	6,142.4	3,907.7	3,730.9	7,111.6	11,117.5
other	0	0.0	0	0	0
EuroCCP N.V. of which, in Belgium[2]					
Total value of contracts and transactions cleared	nav	nav	nav	nav	nav
Value of securities transactions cleared	nav	nav	nav	nav	nav
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav

For the footnotes, see the end of the table.

Table 21 (cont)

	2011	2012	2013	2014	2015
EuroCCP N.V. of which, in France[2]					
Total value of contracts and transactions cleared	nav	nav	nav	nav	nav
Value of securities transactions cleared	nav	nav	nav	nav	nav
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
EuroCCP N.V. of which, in Germany[2]					
Total value of contracts and transactions cleared	0.0	0.0	19.8	4.5	9.2
Value of securities transactions cleared	0.0	0.0	19.8	4.5	9.2
debt securities	nav	nav	0.0	0	nav
equity	0.0	0.0	19.8	4.5	9.2
other	0.0	0	0	0	0
EuroCCP N.V. of which, in Italy[2]					
Total value of contracts and transactions cleared	nav	nav	nav	nav	nav
Value of securities transactions cleared	nav	nav	nav	nav	nav
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav

Table 21 (cont)

	2011	2012	2013	2014	2015
EuroCCP N.V. of which, in Netherlands[2]					
Total value of contracts and transactions cleared	7.5	5.4	4.7	6.6	0.4
Value of securities transactions cleared	7.5	5.4	4.7	6.6	0.4
debt securities	nav	nav	nav	0.0	nav
equity	7.5	5.4	4.7	6.6	0.4
other	0	0	0	0	0
Value of exchange-traded derivatives contracts cleared	nav	nav	nav	nav	nav
Value of OTC derivatives contracts cleared	nav	nav	nav	nav	nav
EuroCCP N.V. of which, in Sweden[2]					
Total value of contracts and transactions cleared	1,324.3	1,048.8	1,011.6	1,148.2	1,433.4
Value of securities transactions cleared	1,324.3	1,048.8	1,011.6	1,148.2	1,433.4
debt securities	nav	nav	nav	0	nav
equity	1,324.3	1,048.8	1,011.6	1,148.2	1,433.4
other	0	0	0	0	0
EuroCCP N.V. of which, in Switzerland[2]					
Total value of contracts and transactions cleared	nav	nav	nav	nav	nav
Value of securities transactions cleared	nav	nav	nav	nav	nav
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
EuroCCP N.V. of which, in United Kingdom[2]					
Total value of contracts and transactions cleared	4,795.3	2,842.7	2,693.4	5,879.4	9,432.8
Value of securities transactions cleared	4,795.3	2,842.7	2,693.4	5,879.4	9,432.8
debt securities	nav	nav	nav	0	nav
equity	4,795.3	2,842.7	2,693.4	5,879.4	9,432.8
other	0	0	0	0	0
EuroCCP N.V. of which, in United States[2]					
Total value of contracts and transactions cleared	nav	nav	nav	72.9	240.9
Value of securities transactions cleared	nav	nav	nav	72.9	240.9
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	72.9	240.9
other	nav	nav	nav	0	0
EuroCCP N.V. of which, in Other[2, 3]					
Total value of contracts and transactions cleared	15.3	10.8	1.3	0.1	0.7
Value of securities transactions cleared	15.3	10.8	1.3	0.1	0.7
debt securities	nav	nav	0.0	0	nav
equity	15.3	10.8	1.3	0.1	0.7
other	0	0	0	0	0

[1] As of the December 2013, EMCF N.V. and EuroCCP Ltd. merged and renamed the new combined company into EuroCCP N.V.
[2] As of 2015, data are reported by the country where the trade was transacted, instead of by the country of origin for the securities in question. Data have been adjusted to this definition back to 2011 inclusive. [3] Includes all jurisdictions that are not CPMI members.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
Euroclear Netherlands					
Total number of participants	67	67	69	71	69
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
central securities depositories	*2*	*2*	*2*	*2*	*2*
banks	*24*	*24*	*29*	*33*	*32*
other	*39*	*39*	*36*	*34*	*33*
Number of domestic participants	17	17	16	17	16
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*1*	*1*	*2*	*2*	*1*
other	*15*	*15*	*13*	*14*	*14*
Number of foreign participants	50	50	53	54	53
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*1*
central securities depositories	*2*	*2*	*2*	*2*	*2*
banks	*23*	*23*	*27*	*31*	*31*
other	*24*	*24*	*23*	*20*	*19*

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
Euroclear Netherlands					
Total number of securities held	9	10	12	14	17
debt securities	1	1	1	1	1
bonds	*1*	*1*	*1*	*1*	*1*
equity	1	1	1	1	1
other[1]	7	8	10	12	15

[1] Since 2007, includes equity-linked instruments.

Table 24

Value of securities held on accounts at CSDs

(EUR billions, end of year)

	2011	2012	2013	2014	2015
Euroclear Netherlands					
Total value of securities held	865.54	873.20	959.30	1,028.02	993.41
debt securities	490.15	472.22	481.94	479.41	466.79
short-term paper	*46.46*	*21.07*	*25.22*	*22.20*	*28.66*
bonds	*443.69*	*451.14*	*456.72*	*457.21*	*438.13*
equity	337.52	371.10	432.53	471.01	495.89
other	37.87	29.88	44.83	77.59	30.73

Table 25

Number of delivery instructions processed

(thousands, total for the year)

	2011	2012	2013	2014	2015
Euroclear Netherlands					
Total number of delivery instructions	5,214	4,998	5,348	5,707	6,242
DVP	4,742	4,518	4,839	5,121	5,498
debt securities	231	218	197	153	108
short-term paper	*5*	*4*	*3*	*3*	*3*
bonds	*226*	*214*	*194*	*150*	*105*
equity	3,515	3,344	3,622	3,844	4,092
other	996	956	1,020	1,124	1,298
free of payment	472	480	509	586	744
debt securities	57	52	38	35	30
short-term paper	*1*	*1*	*0*	*1*	*0*
bonds	*56*	*51*	*38*	*34*	*30*
equity	244	249	265	268	279
other	171	179	206	283	435

Table 26

Value of delivery instructions processed

Details are not available.

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	142,961	143,202	143,507	143,820	146,406
GDP (RUR billions)	59,698.1	66,926.9	71,016.7	77,945.1	80,804.3
GDP per capita (RUR)	417,583	467,361	494,866	541,963	551,919
Consumer price inflation (%)[2]	6.1	6.6	6.5	11.4	12.9
Exchange rate (RUR/USD):					
end of year	*32.20*	*30.37*	*32.73*	*56.26*	*72.88*
average	*29.35*	*31.07*	*31.82*	*37.97*	*60.66*

[1] Yearly average, calculated on the basis of data of the Federal State Statistics Service. [2] December on December of the previous year.

Sources: Bank of Russia; Federal State Statistics Service.

Table 2

Settlement media used by non-banks

(RUR billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks	5,936.2	6,427.2	6,973.0	7,147.9	7,238.2
Value of transferable deposits	6,918.9	7,323.5	8,551.0	8,217.3	9,336.1
Narrow money supply (M1)[1]	12,857.4	13,753.6	15,536.6	15,388.8	16,575.2
Memo:					
Transferable deposits in foreign currencies	nap	nap	nap	nap	nap
Outstanding value on e-money storage	nav	nav	nav	8.5	9.8

[1] M1 is defined as total cash in circulation (outside banks) and balances in the domestic currency on current and other demand accounts of non-financial organisations, financial institutions (except credit institutions) and households.

Table 3

Settlement media used by banks

(RUR billions, average for December)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	855.16	879.14	1,098.40	1,338.77	1,566.11
required reserves [1]	*501.71*	*569.45*	*794.10*	*966.90*	*1,318.66*
free reserves	*353.46*	*309.69*	*304.30*	*371.87*	*247.45*
Transferable balances held at other banks	204.60	225.19	246.01	263.33	242.49
Memo:					
Credit extended by the central bank:					
intraday [2]	*204.72*	*274.86*	*310.46*	*418.48*	*259.41*
overnight [3]	*0.72*	*1.64*	*0.80*	*0.74*	*0.64*
longer refinancing operations (repos) [4]	*964.24*	*2,653.45*	*4,163.42*	*7,001.25*	*3,296.16*

[1] Averaged required reserves (official averaging period was 10 Dec –10 Jan from 2009 to 2014; according to the schedule approved by the Bank of Russia Board of Directors from 2015). [2] December daily average value of extended intraday credit. [3] December daily average liabilities for extended overnight credit. [4] December daily average liabilities of credit institutions for lombard loans and other credits, as well as liabilities for repo and currency swap transactions and unsecured credits.

Table 4

Banknotes and coin

(RUR billions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued[1, 2]	6,902.79	7,675.39	8,315.02	8,848.22	8,531.11
Total banknotes issued	6,854.32	7,616.21	8,246.58	8,770.50	8,448.36
RUR 5000	*3,904.44*	*4,790.63*	*5,523.59*	*6,018.75*	*5,952.72*
RUR 1000	*2,338.65*	*2,230.52*	*2,163.71*	*2,184.71*	*1,990.99*
RUR 500	*462.99*	*441.36*	*403.24*	*403.50*	*343.93*
RUR 100	*110.90*	*115.16*	*118.48*	*126.51*	*124.60*
RUR 50	*32.21*	*32.37*	*32.31*	*32.20*	*31.49*
RUR 10	*5.10*	*6.15*	*5.20*	*4.81*	*4.60*
RUR 5	*0.04*	*0.04*	*0.04*	*0.04*	*0.04*
Total coin issued[2]	48.47	59.17	68.44	77.72	82.75
of which:					
RUR 25	*0.03*	*0.26*	*1.09*	*2.00*	*2.00*
RUR 10	*23.59*	*32.30*	*39.17*	*45.56*	*49.34*
RUR 5	*9.58*	*10.34*	*10.78*	*11.51*	*11.91*
RUR 2	*4.66*	*5.06*	*5.42*	*5.84*	*6.12*
RUR 1	*5.59*	*5.87*	*6.24*	*6.65*	*7.00*
RUR 0.5	*2.58*	*2.80*	*3.07*	*3.35*	*3.54*
RUR 0.1	*2.07*	*2.18*	*2.30*	*2.44*	*2.49*
RUR 0.05	*0.29*	*0.29*	*0.29*	*0.29*	*0.29*
RUR 0.01	*0.07*	*0.07*	*0.07*	*0.07*	*0.07*
Banknotes and coin held by banks[1]	966.59	1,248.20	1,342.07	1,700.27	1,292.93
Banknotes and coin in circulation outside banks	5,936.20	6,427.18	6,972.95	7,147.94	7,238.18

[1] Including banknotes and coin in the vaults of the Bank of Russia. [2] Excluding commemorative and investment coins.

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices[1]	543	505	439	365	271
Number of accounts, (thousands)	69.98	80.81	95.34	112.41	110.63
Value of accounts, all (RUR billions)	2,678.8	2,810.3	2,520.5	2,397.2	2,253.5
Memo:					
Number of accounts, banks (thousands)	3.05	2.92	2.69	2.34	1.96
Banks					
Number of institutions[2]	978	956	923	834	733
Number of branches or offices[3]	43,317	44,990	45,236	43,312	38,393
Number of accounts (thousands)	601,456	670,898	715,014	753,328	788,852
of which: number of internet/PC-linked accounts[4] *(thousands)*	*21,356*	*30,726*	*45,003*	*84,039*	*139,914*
Value of accounts (RUR billions)	6,853.6	7,331.5	8,483.5	8,201.3	9,349.9
Other institutions offering payment services to non-banks: Federal State Unitary Enterprise "Russian Post"					
Number of institutions	1	1	1	1	1
Number of branches or offices	41,617	41,556	41,420	41,640	41,588
Number of accounts	nap	nap	nap	nap	nap
Value of accounts	nap	nap	nap	nap	nap
Institutions offering payment services to non-banks (total)					
Number of institutions	980	958	925	836	735
Number of branches or offices	85,477	87,051	87,095	85,317	80,252
Number of accounts held by non-banks (thousands)	601,526	670,979	715,110	753,441	788,963
of which: number of internet/PC-linked accounts[4] *(thousands)*	*21,356*	*30,726*	*45,003*	*84,039*	*139,914*
Value of accounts held by non-banks (RUR billions)	9,532.4	10,141.9	11,004.0	10,598.6	11,603.4
Memo:					
Electronic money institutions					
Number of institutions[5]	nav	38	82	97	104
Outstanding value on e-money storages issued by e-money institutions (RUR billions)	nav	nav	nav	8.5	9.8

[1] Bank of Russia branches. [2] Including settlement non-bank credit institutions. [3] Including branches and additional offices of credit institutions (branches), other subdivisions of credit institutions (branches). [4] Including only those accounts that have been credited at least once during the reporting period. [5] In the Russian Federation, only banks are entitled to issue means of payment in the form of electronic money.

(end of year)

	2011	2012	2013	2014	2015
Cards issued in the country (thousands)					
Cards with a cash function	200,169.8	239,547.5	248,573.6	278,497.6	286,153.8
Cards with a debit function[1]	147,872.3	169,012.7	188,274.6	195,904.4	214,443.4
Cards with a credit function	15,025.8	22,482.6	29,188.9	31,761.5	29,463.8
Cards with an e-money function[2]	37,271.7	48,052.2	31,110.2	50,831.7	42,246.6
of which: cards with an e-money function which have been loaded at least once	*nav*	*nav*	*nav*	*nav*	*nav*
Total number of cards (irrespective of the number of functions on the card)	200,169.8	239,547.5	248,573.6	278,497.6	286,153.8
of which: cards with a combined debit, cash and e-money function	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Retailer cards	nav	nav	nav	nav	nav
Terminals located in the country					
ATMs	141,897	171,909			

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
MICEX					
Total number of participants	nap	nap	nap	nap	nap
MICEX SE[1]					
Total number of participants	634	634	559	512	466
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*2*	*1*	*1*	*1*	*0*
banks	*354*	*354*	*345*	*324*	*305*
other	*277*	*278*	*212*	*186*	*160*
Number of domestic participants	634	634	559	512	466
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*2*	*1*	*1*	*1*	*0*
banks	*354*	*354*	*345*	*324*	*305*
other	*277*	*278*	*212*	*186*	*160*
Number of foreign participants	0	0	0	0	0
RTS					
Total number of participants	nap	nap	nap	nap	nap

For the footnotes, see the end of the table.

Table 14 (cont)

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
Moscow Exchange[1]					
Total number of participants	576	755	733	669	686
central bank	*1*	*1*	*1*	*2*	*3*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*0*
banks	*493*	*679*	*656*	*599*	*603*
other	*81*	*74*	*75*	*67*	*80*
Number of domestic participants	576	755	728	662	678
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*1*	*1*	*1*	*1*	*0*
banks	*493*	*679*	*651*	*593*	*597*
other	*81*	*74*	*75*	*67*	*80*
Number of foreign participants	0	0	5	7	8
central bank	*0*	*0*	*0*	*1*	*2*
banks	*0*	*0*	*5*	*6*	*6*

[1] On 19 December 2011 MICEX merged with RTS and a new entity was created - Moscow Exchange. Since the merger all segments of the non-government securities market (including trading segments of the former MICEX and RTS) are operated by MICEX SE. The derivatives market is operated by Moscow Exchange.

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
MICEX					
Total number of listed securities	nap	nap	nap	nap	nap
MICEX SE[1]					
Total number of listed securities	2,020	1,755	1,882	1,749	1,855
debt securities	1,182	944	1,111	1,151	1,268
short-term paper	*4*	*2*	*0*	*0*	*0*
bonds	*1,178*	*942*	*1,111*	*1,151*	*1,268*
equity	828	811	771	598	587
other	10	0	0	0	0
RTS					
Total number of listed securities	nap	nap	nap	nap	nap
Moscow Exchange					
Total number of listed securities	nav	nav	nav	nav	nav

[1] On 19 December 2011 all securities that circulated at RTS were moved to MICEX SE.

Table 16

Market capitalisation of listed companies

(RUR billions, end of year)

	2011	2012	2013	2014	2015
MICEX					
Total market capitalisation/equity	nap	nap	nap	nap	nap
MICEX SE[1]					
Total market capitalisation/equity	24,695.4	24,657.0	25,323.8	23,155.6	28,769.1
RTS					
Total market capitalisation/equity	nap	nap	nap	nap	nap
Moscow Exchange					
Total market capitalisation/equity	nav	nav	nav	nav	nav

[1] On 19 December 2011 all securities that circulated at RTS were moved to MICEX SE.

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
MICEX[1]					
Total number of executed securities trades	213.60	nap	nap	nap	nap
debt securities	213.60	nap	nap	nap	nap
short-term paper	*0.92*	*nap*	*nap*	*nap*	*nap*
bonds[2]	*212.68*	*nap*	*nap*	*nap*	*nap*
Total number of executed derivatives trades	33,865.01	nap	nap	nap	nap
financial futures	*32,552.54*	*nap*	*nap*	*nap*	*nap*
financial options	*791.19*	*nap*	*nap*	*nap*	*nap*
commodity futures	*510.53*	*nap*	*nap*	*nap*	*nap*
commodity options	*10.74*	*nap*	*nap*	*nap*	*nap*
MICEX SE[3]					
Total number of executed securities trades	124,727.86	103,514.08	85,894.47	106,065.46	109,321.60
debt securities	858.98	1,161.11	1,422.29	1,234.66	1,152.57
short-term paper	*0.44*	*0.12*	*0.02*	*0.00*	*0*
bonds[2]	*858.54*	*1,160.99*	*1,422.27*	*1,234.66*	*1,152.57*
equity	123,866.97	102,352.97	84,472.18	104,830.80	108,169.00
other	1.91	0	0	0	0
Total number of executed derivatives trades	9,412.31	nap	nap	nap	nap
financial futures	*9,412.31*	*nap*	*nap*	*nap*	*nap*
financial options	*nav*	*nap*	*nap*	*nap*	*nap*
other financial derivatives	*nav*	*nap*	*nap*	*nap*	*nap*
commodity futures	*nav*	*nap*	*nap*	*nap*	*nap*
commodity options	*nav*	*nap*	*nap*	*nap*	*nap*
other commodity derivatives	*nav*	*nap*	*nap*	*nap*	*nap*
RTS[1]					
Total number of executed securities trades[4]	13,272.46	nap	nap	nap	nap
debt securities[4]	0.02	nap	nap	nap	nap
bonds[4]	*0.02*	*nap*	*nap*	*nap*	*nap*
equity[4]	13,272.44	nap	nap	nap	nap
Total number of executed derivatives trades	154,844.88	nap	nap	nap	nap
financial futures	*74,392.20*	*nap*	*nap*	*nap*	*nap*
financial options	*43,894.28*	*nap*	*nap*	*nap*	*nap*
commodity futures	*36,323.01*	*nap*	*nap*	*nap*	*nap*
commodity options	*235.39*	*nap*	*nap*	*nap*	*nap*
Moscow Exchange					
Total number of executed securities trades	nav	25.76	0	0	0
debt securities	*nav*	*25.76*	*0*	0	0
bonds[2]	*nav*	*25.76*	*0*	*0*	*0*
Total number of executed derivatives trades	nav	189,862.03	146,789.70	183,289.84	321,868.30
financial futures	*nav*	*184,711.89*	*139,269.43*	*175,919.29*	*301,336.00*
financial options	*nav*	*3,303.94*	*3,991.86*	*4,533.39*	*4,468.02*
other financial derivatives	*nav*	*0*	*291.44*	*444.84*	*1,116.74*
commodity futures	*nav*	*1,832.76*	*3,218.82*	*2,379.43*	*14,934.82*
commodity options	*nav*	*13.45*	*18.14*	*12.47*	*12.74*
other commodity derivatives	*nav*	*0*	*0.00*	*0.43*	*0*

[1] 2011 data are for the period to 15 December. [2] Including eurobonds in foreign currency. [3] MICEX SE has operated all segments of the non-government securities market (including trading segments of the former MICEX and RTS) since 19 December 2011; all secondary trading and all repo transactions on the government securities market since 5 March 2012; and all transactions on the federal loan bonds IPO market since 3 December 2013. [4] Including transactions in foreign currency.

Table 18

Value of executed trades

(RUR billions, total for the year)

	2011	2012	2013	2014	2015
MICEX[1]					
Total value of executed securities trades	48,709.81	nap	nap	nap	nap
debt securities	48,709.81	nap	nap	nap	nap
short-term paper	*822.07*	*nap*	*nap*	*nap*	*nap*
bonds[2]	*47,887.75*	*nap*	*nap*	*nap*	*nap*
Total value of executed derivatives trades	1,454.79	nap	nap	nap	nap
financial futures	*1,353.11*	*nap*	*nap*	*nap*	*nap*
financial options	*57.85*	*nap*	*nap*	*nap*	*nap*
commodity futures	*43.08*	*nap*	*nap*	*nap*	*nap*
commodity options	*0.75*	*nap*	*nap*	*nap*	*nap*
MICEX SE[3]					
Total value of executed securities trades	92,733.13	183,761.66	228,818.95	204,063.45	201,546.69
debt securities	46,032.07	135,370.33	181,010.47	149,270.42	148,997.90
short-term paper	*10.72*	*1.57*	*2.99*	*0.06*	*0*
bonds[2]	*46,021.35*	*135,368.75*	*181,007.49*	*149,270.36*	*148,997.90*
equity	46,692.08	48,391.33	47,808.48	54,793.03	52,548.79
other	8.98	0	0	0	0
Total value of executed derivatives trades	479.07	nap	nap	nap	nap
financial futures	*479.07*	*nap*	*nap*	*nap*	*nap*
financial options	*nav*	*nap*	*nap*	*nap*	*nap*
other financial derivatives	*nav*	*nap*	*nap*	*nap*	*nap*
commodity futures	*nav*	*nap*	*nap*	*nap*	*nap*
commodity options	*nav*	*nap*	*nap*	*nap*	*nap*
other commodity derivatives	*nav*	*nap*	*nap*	*nap*	*nap*
RTS[1]					
Total value of executed securities trades[4]	3,718.84	nap	nap	nap	nap
debt securities[4]	0.29	nap	nap	nap	nap
bonds[4]	*0.29*	*nap*	*nap*	*nap*	*nap*
equity	3,718.55	nap	nap	nap	nap
Total value of executed derivatives trades	54,856.69	nap	nap	nap	nap
financial futures	*49,490.31*	*nap*	*nap*	*nap*	*nap*
financial options	*3,699.06*	*nap*	*nap*	*nap*	*nap*
commodity futures	*1,654.62*	*nap*	*nap*	*nap*	*nap*
commodity options	*12.71*	*nap*	*nap*	*nap*	*nap*
Moscow Exchange					
Total value of executed securities trades	nav	6,564.27	0	0	0
debt securities	*nav*	*6,564.27*	*0*	*0*	0
bonds[2]	*nav*	*6,564.27*	*0*	*0*	*0*
Total value of executed derivatives trades	nav	49,968.90	147,328.33	212,077.64	301,218.74
financial futures	*nav*	*45,769.24*	*43,105.36*	*54,638.05*	*85,847.85*
financial options	*nav*	*3,193.03*	*4,007.53*	*5,738.35*	*3,474.90*
other financial derivatives	*nav*	*0*	*98,723.43*	*150,749.58*	*207,505.39*
commodity futures	*nav*	*990.89*	*1,482.19*	*928.39*	*4,383.23*
commodity options	*nav*	*15.74*	*9.82*	*10.97*	*7.37*
other commodity derivatives	*nav*	*0*	*0.00*	*12.31*	*0*

[1] 2011 data are for the period to 15 December. [2] Including eurobonds in foreign currency. [3] MICEX SE has operated all segments of the non-government securities market (including trading segments of the former MICEX and RTS) since 19 December 2011; all secondary trading and all repo transactions on the government securities market since 5 March 2012; and all transactions on the federal loan bonds IPO market since 3 December 2013. [4] Including transactions in foreign currency.

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
MICEX[1]					
Total number of clearing members	nap	nap	nap	nap	nap
RTS CC[2]					
Total number of clearing members	387	nap	nap	nap	nap
central bank	*0*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*1*	*nap*	*nap*	*nap*	*nap*
banks	*123*	*nap*	*nap*	*nap*	*nap*
other	*263*	*nap*	*nap*	*nap*	*nap*
Number of domestic clearing members	326	nap	nap	nap	nap
central bank	*0*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*1*	*nap*	*nap*	*nap*	*nap*
banks	*122*	*nap*	*nap*	*nap*	*nap*
other	*203*	*nap*	*nap*	*nap*	*nap*
Number of foreign clearing members	61	nap	nap	nap	nap
central bank	*0*	*nap*	*nap*	*nap*	*nap*
central counterparties (CCPs)	*0*	*nap*	*nap*	*nap*	*nap*
banks	*1*	*nap*	*nap*	*nap*	*nap*
other	*60*	*nap*	*nap*	*nap*	*nap*
NCC[3]					
Total number of clearing members	*715*	*727*	*825*	*794*	*713*
central bank	*1*	*1*	*1*	*2*	*3*
central counterparties (CCPs)	*1*	*1*	*1*	*0*	*0*
banks	*428*	*426*	*540*	*516*	*479*
other	*285*	*299*	*283*	*276*	*231*
Number of domestic clearing members	*715*	*727*	*820*	*786*	*702*
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*1*	*1*	*1*	*0*	*0*
banks	*428*	*426*	*535*	*509*	*471*
other	*285*	*299*	*283*	*276*	*230*
Number of foreign clearing members	0	0	5	8	11
central bank	*0*	*0*	*0*	*1*	*2*
banks	*0*	*0*	*5*	*7*	*8*
other	*0*	*0*	*0*	*0*	*1*

For the footnotes, see the end of the table.

Table 19 (cont)

	2011	2012	2013	2014	2015
NSD[4]					
Total number of clearing members	*nap*	*nav*	*289*	*333*	*358*
central bank	*nap*	*nav*	*1*	*1*	*1*
central counterparties (CCPs)	*nap*	*nav*	*0*	*0*	*0*
banks	*nap*	*nav*	*190*	*235*	*256*
other	*nap*	*nav*	*98*	*97*	*101*
Number of domestic clearing members	*nap*	*nav*	*282*	*326*	*349*
central bank	*nap*	*nav*	*1*	*1*	*1*
central counterparties (CCPs)	*nap*	*nav*	*0*	*0*	*0*
banks	*nap*	*nav*	*188*	*231*	*249*
other	*nap*	*nav*	*93*	*94*	*99*
Number of foreign clearing members	*nap*	*nav*	*7*	*7*	*9*
central bank	*nap*	*nav*	*0*	*0*	*0*
central counterparties (CCPs)	*nap*	*nav*	*0*	*0*	*0*
banks	*nap*	*nav*	*2*	*4*	*7*
other	*nap*	*nav*	*5*	*3*	*2*

[1] Not excluding cross-participation. [2] Provided clearing services in selected segments of the Moscow Exchange market. Ceased operation as of 1 December 2012. [3] Since 1 November 2011, NCC has provided clearing services at MICEX SE and in selected segments of the Moscow Exchange market. [4] Has provided clearing services since October 2012.

Table 20

Number of contracts and transactions cleared

(thousands, total for the year)

	2011	2012	2013	2014	2015
MICEX[1]					
Total number of contracts and transactions cleared	117,321.79	nap	nap	nap	nap
Number of securities transactions cleared	100,925.58	nap	nap	nap	nap
debt securities	930.16	nap	nap	nap	nap
short-term paper	*1.27*	*nap*	*nap*	*nap*	*nap*
bonds	*640.13*	*nap*	*nap*	*nap*	*nap*
government bonds[2]	*288.75*	*nap*	*nap*	*nap*	*nap*
equity	99,993.97	nap	nap	nap	nap
other	1.46	nap	nap	nap	nap
of which: number of repurchase transactions cleared	*1,314.38*	*nap*	*nap*	*nap*	*nap*
debt securities	*545.52*	*nap*	*nap*	*nap*	*nap*
short-term paper	*0.06*	*nap*	*nap*	*nap*	*nap*
bonds	*338.36*	*nap*	*nap*	*nap*	*nap*
government bonds[2]	*207.10*	*nap*	*nap*	*nap*	*nap*
equity	*768.78*	*nap*	*nap*	*nap*	*nap*
other	*0.08*	*nap*	*nap*	*nap*	*nap*
Number of exchange-traded derivatives contracts cleared	16,396.21	nap	nap	nap	nap
financial futures	*16,326.84*	*nap*	*nap*	*nap*	*nap*
commodity futures	*69.37*	*nap*	*nap*	*nap*	*nap*
Number of OTC derivatives contracts cleared	0	nap	nap	nap	nap
RTS CC[3]					
Total number of contracts and transactions cleared (millions)	1,094.77	990.55	nap	nap	nap
Number of securities transactions cleared[4]	13,597.16	5,692.03	nap	nap	nap
debt securities	0.019	0	nap	nap	nap
bonds	*0.019*	*0*	*nap*	*nap*	*nap*
equity[4]	13,597.14	5,692.03	nap	nap	nap
other	0	0	nap	nap	nap
of which: number of repurchase transactions cleared	*53.02*	*72.50*	*nap*	*nap*	*nap*
equity	53.02	72.50	nap	nap	nap
Number of exchange-traded derivatives contracts cleared (millions)	1,081.17	984.86	nap	nap	nap
financial futures	*999.47*	*925.53*	*nap*	*nap*	*nap*
financial options	*44.69*	*38.77*	*nap*	*nap*	*nap*
commodity futures	*36.76*	*20.31*	*nap*	*nap*	*nap*
commodity options	*0.25*	*0.25*	*nap*	*nap*	*nap*
Number of OTC derivatives contracts cleared	0	0	nap	nap	nap

For the footnotes, see the end of the table.

Table 20 (cont)

	2011	2012	2013	2014	2015
NCC[5]					
Total number of contracts and transactions	23,693.96	174,153.51	232,700.60	289,355.30	431,189.90
Number of securities transactions cleared	*23,693.96*	*97,822.05*	*85,910.90*	106,065.46	109,321.60
debt securities	*142.42*	*1,161.11*	*1,438.72*	1,234.66	1,152.57
short-term paper	*0.09*	*0.12*	*0.02*	*0.00*	*0*
bonds	*129.11*	*865.49*	*1,057.23*	*840.23*	*697.88*
government bonds	*13.22*	*295.51*	*381.47*	*394.43*	*454.69*
equity	*23,551.08*	*96,660.94*	*84,472.18*	104,830.80	108,169.00
other	0.46	0	0	0	0
of which: number of repurchase transactions	*239.92*	*1,771.71*	*1,935.43*	*1,628.80*	*1,376.96*
debt securities	*79.52*	*707.35*	*915.78*	*693.73*	*524.36*
short-term paper	*0*	*0*	*0.009*	*0.002*	*0*
bonds	*71.96*	*506.64*	*674.39*	*472.32*	*308.03*
government bonds	*7.55*	*200.71*	*241.38*	*221.42*	*216.32*
equity	*160.40*	*1,064.36*	*1,019.65*	*935.07*	*852.60*
other	*0.007*	*0*	*0*	*0*	*0*
Number of exchange-traded derivatives contracts	0	76,331.46	146,789.70	183,289.84	321,868.30
financial futures	*0*	*71,472.33*	*139,269.43*	*175,919.29*	*301,336.00*
financial options	*0*	*3,056.07*	*3,991.86*	*4,533.39*	*4,468.02*
other financial derivatives	*0*	*0*	*291.44*	*444.84*	*1,116.74*
commodity futures	*0*	*1,782.83*	*3,218.82*	*2,379.43*	*14,934.82*
commodity options	*0*	*20.23*	*18.14*	*12.47*	*12.74*
other commodity derivatives	*0*	*0*	*0.00*	*0.43*	*0*
Number of OTC derivatives contracts cleared	0	0	0	0	0
NSD					
Total number of contracts and transactions	nap	nav	87.06	123.61	108.21
Number of securities transactions cleared	nap	nav	87.06	123.61	108.21
debt securities[4, b]	nap	nav	1.03	2.29	2.80
short-term paper	*nap*	*nav*	*nav*	*nav*	*nav*
bonds	*nap*	*nav*	*0.14*	*0.54*	*2.17*
government bonds	*nap*	*nav*	*0.89*	*1.75*	*0.63*
equity[b]	nap	nav	78.67	103.67	84.74
of which: number of repurchase transactions	*nap*	*nav*	*7.36*	*17.65*	*20.67*
debt securities	*nap*	*nav*	*nav*	*nav*	*nav*
equity	*nap*	*nav*	*nav*	*nav*	*nav*
other	*nap*	*nav*	*nav*	*nav*	*nav*
Number of exchange-traded derivatives contracts	nap	nav	nap	nap	nap
Number of OTC derivatives contracts cleared	nap	nav	nap	nap	nap

[1] 2011 data are for the period to 1 November 2011. [2] Including eurobonds in foreign currency. [3] Provided clearing services in selected segments of the Moscow Exchange market. Ceased operation as of 1 December 2012. [4] Including transactions in foreign currency. [5] 2011 data are for the period from 1 November 2011. [6] Not including repurchase transactions.

Table 21

Value of contracts and transactions cleared

(RUR billion, total for the year)

	2011	2012	2013	2014	2015
MICEX[1]					
Total value of contracts and transactions cleared	123,490.48	nap	nap	nap	nap
Value of securities transactions cleared	122,731.29	nap	nap	nap	nap
debt securities	85,088.97	nap	nap	nap	nap
short-term paper	*832.79*	*nap*	*nap*	*nap*	*nap*
bonds	*29,705.90*	*nap*	*nap*	*nap*	*nap*
government bonds[2]	*54,550.28*	*nap*	*nap*	*nap*	*nap*
equity	37,633.55	nap	nap	nap	nap
other	8.77	nap	nap	nap	nap
of which: value of repurchase transactions cleared	*99,141.64*	*nap*	*nap*	*nap*	*nap*
debt securities	*74,897.84*	*nap*	*nap*	*nap*	*nap*
short-term paper	*2.59*	*nap*	*nap*	*nap*	*nap*
bonds	*24,539.86*	*nap*	*nap*	*nap*	*nap*
government bonds[2]	*50,355.38*	*nap*	*nap*	*nap*	*nap*
equity	*24,239.09*	*nap*	*nap*	*nap*	*nap*
other	*4.71*	*nap*	*nap*	*nap*	*nap*
Value of exchange-traded derivatives contracts cleared	759.19	nap	nap	nap	nap
financial futures	*736.65*	*nap*	*nap*	*nap*	*nap*
commodity futures	*22.55*	*nap*	*nap*	*nap*	*nap*
Value of OTC derivatives contracts cleared	0	nap	nap	nap	nap
RTS CC[3]					
Total value of contracts and transactions cleared	59,841.49	48,446.59	nap	nap	nap
Value of securities transactions cleared[4]	3,812.94	1,776.43	nap	nap	nap
debt securities	0.29	0	nap	nap	nap
bonds	*0.29*	*0*	*nap*	*nap*	*nap*
equity[4]	3,812.65	1,776.43	nap	nap	nap
of which: value of repurchase transactions cleared	*351.58*	*423.09*	*nap*	*nap*	*nap*
equity	*351.58*	*423.09*	*nap*	*nap*	*nap*
Value of exchange-traded derivatives contracts cleared	56,028.55	46,670.16	nap	nap	nap
financial futures	*50,583.03*	*42,763.68*	*nap*	*nap*	*nap*
financial options	*3,756.91*	*2,979.42*	*nap*	*nap*	*nap*
commodity futures	*1,675.16*	*912.37*	*nap*	*nap*	*nap*
commodity options	*13.46*	*14.69*	*nap*	*nap*	*nap*
Value of OTC derivatives contracts cleared	0	0	nap	nap	nap

For the footnotes, see the end of the table.

Table 21 (cont)

	2011	2012	2013	2014	2015
NCC[5]					
Total value of contracts and transactions cleared	*18,529.08*	185,283.96	379,106.09	416,141.09	502,765.43
Value of securities transactions cleared	*18,529.08*	181,985.23	231,777.76	204,063.45	201,546.69
debt securities	*9,652.91*	135,370.33	183,969.28	149,270.42	148,997.90
short-term paper	*0.00*	*1.57*	*2.99*	*0.06*	*0*
bonds	*7,609.51*	*59,768.67*	*92,042.76*	*78,908.83*	*80,281.02*
government bonds	*2,043.40*	*75,600.08*	*91,923.53*	*70,361.53*	*68,716.88*
equity	*8,875.96*	*46,614.90*	*47,808.48*	*54,793.03*	52,548.79
other	0.21	0	0	0	0
of which: value of repurchase transactions cleared	*14,599.62*	*160,664.84*	*207,523.44*	*183,176.07*	*180,990.57*
debt securities	*8,592.70*	*124,384.61*	*168,650.62*	*138,665.89*	*137,839.38*
short-term paper	*0*	*0*	*0.34*	*0.06*	*0*
bonds	*6,670.02*	*52,259.68*	*84,145.46*	*72,868.42*	*73,891.81*
government bonds	*1,922.68*	*72,124.93*	*84,504.82*	*65,797.41*	*63,947.57*
equity	*6,006.90*	*36,280.23*	*38,872.82*	*44,510.19*	*43,151.19*
other	*0.02*	*0*	*0*	*0*	*0*
Value of exchange-traded derivatives contracts cleared	0	3,298.73	147,328.33	212,077.64	301,218.74
financial futures	*0*	*3,005.56*	*43,105.36*	*54,638.05*	*85,847.85*
financial options	*0*	*213.61*	*4,007.53*	*5,738.35*	*3,474.90*
other financial derivatives	*0*	*0*	*98,723*	*150,749.58*	*207,505.39*
commodity futures	*0*	*78.52*	*1,482.19*	*928.39*	*4,383.23*
commodity options	*0*	*1.05*	*9.82*	*10.97*	*7.37*
other commodity derivatives	*0*	*0*	*0.00*	*12.31*	*0*
Value of OTC derivatives contracts cleared	0	0	0	0	0
NSD					
Total value of contracts and transactions cleared	nap	nav	28,598.65	116,681.52	96,197.54
Value of securities transactions cleared	nap	nav	28,598.65	116,681.52	96,197.54
debt securities[4, 6]	nap	nav	91.65	206.90	638.63
short-term paper	*nap*	*nav*	*nav*	*nav*	*nav*
bonds	*nap*	*nav*	*21.29*	*99.87*	*394.03*
government bonds	*nap*	*nav*	*70.36*	*107.03*	*244.61*
equity[6]	nap	nav	1,579.12	1,963.53	1,874.75
of which: value of repurchase transactions cleared	*nap*	*nav*	*26,927.89*	*114,511.08*	*93,684.16*
debt securities	*nap*	*nav*	*nav*	*nav*	*nav*
equity	*nap*	*nav*	*nav*	*nav*	*nav*
other	*nap*	*nav*	*nav*	*nav*	*nav*
Value of exchange-traded derivatives contracts cleared	nap	nav	nap	nap	nap
Value of OTC derivatives contracts cleared	nap	nav	nap	nap	nap

[1] 2011 data are for the period from 1 November 2011. [2] Including eurobonds in foreign currency. [3] Provided cleari services in selected segments of the Moscow Exchange market. Ceased operation as of 1 December 2012. [4] Including transactions in foreign currency. [5] 2011 data are for the period from 1 November 2011. [6] Not including repurchase

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
NSD[1]					
Total number of participants	960	909	908	896	895
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*1*	*1*	*0*	*0*
central securities depositories	*0*	*1*	*6*	*8*	*9*
banks	*577*	*575*	*579*	*576*	*571*
other	*382*	*331*	*321*	*311*	*314*
Number of domestic participants	951	901	892	878	876
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*1*	*1*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*575*	*572*	*576*	*574*	*568*
other	*375*	*327*	*314*	*303*	*307*
Number of foreign participants	9	8	16	18	19
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*1*	*6*	*8*	*9*
banks	*2*	*3*	*3*	*2*	*3*
other	*7*	*4*	*7*	*8*	*7*

For the footnotes, see the end of the table.

Table 22 (cont)

	2011	2012	2013	2014	2015
DCC[2]					
Total number of participants	391	199	115	nap	nap
central bank	*0*	*0*	*0*	*nap*	*nap*
central counterparties (CCPs)	*1*	*1*	*0*	*nap*	*nap*
central securities depositories	*0*	*0*	*1*	*nap*	*nap*
banks	*132*	*36*	*30*	*nap*	*nap*
other	*258*	*162*	*84*	*nap*	*nap*
Number of domestic participants	367	198	112	nap	nap
central bank	*0*	*0*	*0*	*nap*	*nap*
central counterparties (CCPs)	*1*	*1*	*0*	*nap*	*nap*
central securities depositories	*0*	*0*	*1*	*nap*	*nap*
banks	*132*	*36*	*30*	*nap*	*nap*
other	*234*	*161*	*81*	*nap*	*nap*
Number of foreign participants	24	1	3	nap	nap
central bank	*0*	*0*	*0*	*nap*	*nap*
central counterparties (CCPs)	*0*	*0*	*0*	*nap*	*nap*
central securities depositories	*0*	*0*	*0*	*nap*	*nap*
banks	*nav*	*0*	*0*	*nap*	*nap*
other	*24*	*1*	*3*	*nap*	*nap*

[1] The NSD was founded in November 2010 as a result of the merger between NDC and MICEX SC. NSD provides securities settlement and funds settlement services. [2] Due to integration of DCC and NSD clients and custody services were being transferred from DCC to NSD in 2013–14.

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
NSD					
Total number of securities held	4.18	6.62	6.85	7.81	9.20
debt securities[1]	1.68	2.00	1.87	2.24	2.71
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity[1]	2.50	4.62	4.98	5.57	6.49
other	0	0	0.001	0.003	0
DCC					
Total number of securities held	3.73	1.11	0.51	nap	nap
debt securities	0.73	0.02	0.00	nap	nap
bonds	*0.73*	*0.02*	*0.00*	*nap*	*nap*
equity	3.00	1.09	0.51	nap	nap
other	0	0.007	0	nap	nap

[1] Including data in foreign currency.

Table 24

Value of securities held on accounts at CSDs

(RUR billions, end of year)

	2011	2012	2013	2014	2015
NSD					
Total value of securities held	9,657.6	13,527.0	23,816.1	27,990.8	35,531.6
debt securities[1]	7,956.5	9,072.3	11,456.7	16,289.9	21,147.7
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity[1]	1,701.1	4,454.7	12,359.4	11,700.3	14,383.9
other	0	0	0	0.62	0
DCC					
Total value of securities held	3,293.1	872.1	4.2	nap	nap
debt securities	46.4	1.4	1.4	nap	nap
bonds	*46.4*	*1.4*	*1.4*	*nap*	*nap*
equity	3,246.7	870.6	2.8	nap	nap
other	0	0.1	0	nap	nap

[1] Including data in foreign currency.

Table 25

Number of delivery instructions processed

(thousands, total for the year)

	2011	2012	2013	2014	2015
NSD					
Total number of delivery instructions	2,594.97	2,341.96	2,608.38	2,494.03	2,449.33
DVP	2,400.72	2,134.65	2,275.77	2,198.55	2,204.83
debt securities[1]	597.30	648.93	802.64	762.61	805.89
short-term paper	nav	nav	nav	nav	nav
bonds	nav	nav	nav	nav	nav
equity[1]	1,803.42	1,485.72	1,473.13	1,435.93	1,398.95
free of payment	194.25	207.32	332.61	295.48	244.50
debt securities[1]	11.38	24.68	45.84	55.15	53.88
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity[1]	182.86	182.64	286.77	240.34	190.62
other	0	0	0.001	0	0
DCC					
Total number of delivery instructions	129.75	113.91	0.38	nap	nap
DVP	71.39	58.24	0	nap	nap
debt securities	0	0	0	nap	nap
equity	71.39	58.24	0	nap	nap
other	0	0	0	nap	nap
free of payment	58.36	55.68	0.38	nap	nap
debt securities	0.06	0.13	0	nap	nap
bonds	*0.06*	*0.13*	*0*	*nap*	*nap*
equity	58.30	55.54	0.38	nap	nap
other	0	0	0	nap	nap

[1] Including data in foreign currency.

Table 26

Value of delivery instructions processed

(RUR billions, total for the year)

	2011	2012	2013	2014	2015
NSD					
Total value of delivery instructions	83,597.5	134,512.8	170,898.9	203,159.4	254,434.9
DVP	77,184.0	121,302.6	141,922.4	152,560.2	223,215.8
debt securities[1]	62,467.3	102,881.4	118,291.8	121,428.5	183,008.6
short-term paper	nav	nav	nav	nav	nav
bonds	nav	nav	nav	nav	nav
equity[1]	14,716.7	18,421.1	23,630.5	31,131.7	40,207.2
free of payment	6,413.5	13,210.2	28,976.5	50,599.1	31,219.1
debt securities[1]	1,846.2	4,307.9	7,083.4	38,246.6	20,136.3
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity[1]	4,567.3	8,902.3	21,893.1	12,352.5	11,082.8
other	0	0	0.001	0	0
DCC					
Total value of delivery instructions	4,948.5	3,336.3	69.0	nap	nap
DVP	3,670.4	752.5	0	nap	nap
equity	3,670.4	752.5	0	nap	nap
other	0	0	0	nap	nap
free of payment	1,278.2	2,583.8	69.0	nap	nap
debt securities	1.3	0.0	0	nap	nap
bonds	*1.3*	*0.0*	*0*	*nap*	*nap*
equity	1,276.9	2,583.8	69.0	nap	nap
other	0	0	0	nap	nap

[1] Including data in foreign currency.

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)	28,376.4	29,195.9	29,994.3	30,770.4	31,016.0
GDP (SAR billions)	2,510.7	2,752.3	2,791.3	2,826.9	2,422.5
GDP per capita (SAR)	88,477	94,271	93,060	91,870	78,105
Consumer price inflation (%)	3.7	2.9	3.5	2.7	2.2
Exchange rate (SAR/USD):					
end of year	*3.75*	*3.75*	*3.75*	*3.75*	*3.75*
average	*3.75*	*3.75*	*3.75*	*3.75*	*3.75*

Table 2

Settlement media used by non-banks

(SAR billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks and PostFinance	119.93	133.15	143.17	153.78	169.33
Value of transferable deposits	641.06	753.97	857.28	989.17	976.23
Narrow money supply (M1)	760.99	887.12	1,000.45	1,142.95	1,145.56
Memo:					
Transferable deposits in foreign currencies	nav	nav	nav	nav	nav
Outstanding value on e-money storage	nap	nap	nap	nap	nap

Table 3

Settlement media used by banks

(SAR billions, average for December)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	63.51	70.79	81.90	92.56	98.12
required reserves	*62.25*	*70.01*	*81.09*	*91.88*	*97.47*
free reserves	*1.26*	*0.79*	*0.82*	*0.68*	*0.65*
Transferable balances held at other banks	0.08	0.18	0.12	0.39	1.56
Memo:					
Credit extended by the central bank:					
intraday	*nav*	*nav*	*nav*	*nav*	*nav*
overnight	*nav*	*nav*	*nav*	*nav*	*nav*
longer refinancing operations (repos)	*nav*	*nav*	*nav*	*nav*	*nav*

Table 4

Banknotes and coin

(SAR millions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	139,846.05	152,811.92	166,388.07	180,892.09	198,711.63
Total banknotes issued	139,585.40	152,538.34	166,094.04	180,579.10	198,377.27
SAR 500	*111,272.53*	*122,032.93*	*133,127.40*	*144,494.15*	*161,167.61*
SAR 200	*891.85*	*602.07*	*412.78*	*295.00*	*215.30*
SAR 100	*19,279.35*	*20,942.05*	*22,920.37*	*25,151.46*	*25,678.17*
SAR 50	*4,594.04*	*5,133.08*	*5,513.44*	*6,262.88*	*6,565.91*
SAR 20	*245.46*	*180.56*	*155.32*	*128.41*	*104.76*
SAR 10	*1,509.93*	*1,691.13*	*1,861.18*	*2,019.12*	*2,219.05*
SAR 5	*888.90*	*965.69*	*1,059.14*	*1,136.56*	*1,244.52*
SAR 1	*903.34*	*990.83*	*1,044.42*	*1,091.52*	*1,181.95*
Total coin issued	260.65	273.58	294.03	313.00	334.36
of which:					
SAR 1	*32.64*	*32.82*	*33.44*	*33.58*	*33.89*
SAR 0.50	*119.53*	*130.57*	*142.93*	*158.33*	*175.05*
SAR 0.25	*65.34*	*67.00*	*74.38*	*77.77*	*82.07*
SAR 0.20	*2.51*	*2.51*	*2.51*	*2.51*	*2.51*
SAR 0.10	*32.12*	*32.13*	*32.19*	*32.21*	*32.24*
SAR 0.05	*8.15*	*8.21*	*8.24*	*8.24*	*8.26*
SAR 0.01	*0.36*	*0.36*	*0.36*	*0.36*	*0.36*
Banknotes and coin held by banks	19,917.00	19,666.36	23,219.15	27,115.31	29,383.40
Banknotes and coin in circulation outside banks	119,929.00	133,145.55	143,168.92	153,776.79	169,328.23

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices	10	10	10	10	10
Number of accounts	nav	nav	nav	nav	nav
Value of accounts	nav	nav	nav	nav	nav
Banks					
Number of institutions[1]	23	23	23	23	23
Number of branches or offices	1,646	1,696	1,768	1,912	1,989
Number of accounts (thousands)[2]	16,563	16,948	214 v	nav	nav

Table 17

Number of executed trades

(millions, total for the year)

	2011	2012	2013	2014	2015
Tadawul					
Total number of executed securities trades	25,549.234	42,106.726	28,968.553	35,762.294	30,447.923
debt securities	0.049	0.020	0.007	0.009	0.007
bonds [1]	*0.049*	*0.020*	*0.007*	*0.009*	*0.007*
equity	25,546.933	42,105.048	28,967.694	35,761.091	30,444.203
other	2.252	1.658	0.852	1.194	3.713
Total number of executed derivatives trades	nav	nav	nav	nav	nav

[1] Includes sukuk.

Table 18

Value of executed trades

(SAR billions, total for the year)

	2011	2012	2013	2014	2015
Tadawul					
Total value of executed securities trades	1,100.761	1,929.846	1,369.892	2,146.827	1,662.934
debt securities	*1.809*	*0.446*	*0.227*	*0.109*	*0.453*
bonds	*1.809*	*0.446*	*0.227*	*0.109*	*0.453*
equity	1,098.836	1,929.318	1,369.666	2,146.512	1,660.622
other	0.116	0.082	6.975	0.206	1.860
Total value of executed derivatives trades	nav	nav	nav	nav	nav

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
Saudi Arabia clearing house					
Total number of clearing members	23	23	23	23	23
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*nav*
banks	*22*	*22*	*22*	*22*	*22*
other	*32*	*30*	*30*	*30*	*nav*
Number of domestic clearing members	13	13	13	13	13
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*nav*
banks	*12*	*12*	*12*	*12*	*12*
other	*32*	*30*	*30*	*30*	*nav*
Number of foreign clearing members	10	10	10	10	10

Table 20

Number of contracts and transactions cleared

(thousands, total for the year)

	2011	2012	2013	2014	2015
Saudi Arabia clearing house					
Total number of contracts and transactions cleared	25,549.247	42,106.732	28,968.553	35,762.290	30,444.207
Number of securities transactions cleared	25,549.247	42,106.706	28,968.546	35,762.281	30,444.207
debt securities	0.062	0.026	0.007	0.009	0.007
bonds [1]	*0.062*	*0.026*	*0.007*	*0.009*	*0.007*
equity	25,546.933	42,105.048	28,967.694	35,761.091	30,444.203
other	2.250	1.660	0.850	1.190	3.710
of which: number of repurchase transactions cleared	*nav*	*nav*	*nav*	*nav*	*nav*
Number of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

[1] Includes sukuk.

Table 21

Value of contracts and transactions cleared

(SAR billions, total for the year)

	2011	2012	2013	2014	2015
Saudi Arabia clearing house					
Total value of contracts and transactions cleared	1,101.010	1,930.021	1,370.189	2,146.935	1,663.387
Value of securities transactions cleared	1,101.010	1,929.481	1,370.189	2,146.935	1,663.387
debt securities	1.942	0.540	0.227	0.109	0.453
bonds	*1.942*	*0.540*	*0.227*	*0.109*	*0.453*
equity	1,098.836	1,929.318	1,369.665	2,146.512	1,660.622
other[1]	0.232	0.163	0.070	0.206	1.860
of which: value of repurchase transactions cleared	*nav*	*nav*	*nav*	*nav*	*nav*
Value of exchange-traded derivatives contracts cleared	nap	nap	nap	nap	nap
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

[1] Includes ETFs.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
Tadawul					
Total number of participants	57	54	54	54	54
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*1*	*1*	*1*	*1*	*1*
banks	*23*	*22*	*22*	*22*	*22*
other	*32*	*30*	*30*	*30*	*30*
Number of domestic participants	57	44	44	44	44
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*1*	*1*	*1*	*1*	*1*
banks	*23*	*12*	*12*	*12*	*12*
other	*32*	*30*	*30*	*30*	*30*
Number of foreign participants	0	10	10	10	10

Table 23

Number of securities held on accounts at CSDs

(millions, end of year)

	2011	2012	2013	2014	2015
Tadawul					
Total number of securities held	93,702.7	104,146.6	135,755.0	151,914.1	161,536.0
debt securities	53,008.9	61,898.2	92,500.9	103,100.9	110,960.9
bonds [1]	*53,008.9*	*61,898.2*	*92,500.9*	*103,100.9*	*110,960.9*
equity	40,688.4	42,243.7	43,252.2	48,805.2	50,575.1
other	5.5	4.6	1.9	8.0	1.5

[1] Includes sukuk.

Table 24

Value of securities held on accounts at CSDs

(SAR billions, end of year)

	2011	2012	2013	2014	2015
Tadawul					
Total value of securities held	1,323.967	1,462.348	1,904.214	1,813.199	1,579.204
debt securities	53.008	61.898	92.500	0.103	0.110
bonds [1]	*53.008*	*61.898*	*92.500*	*0.103*	*0.110*
equity	1,270.842	1,400.342	1,752.860	1,812.890	1,579.059
other	0.117	0.108	58.854	0.206	0.035

[1] Includes sukuk.

Table 25

Number of delivery instructions processed

(millions, total for the year)

	2011	2012	2013	2014	2015
Tadawul					
Total number of delivery instructions	25.5492	42.1067	43.2530	48.8064	30.4477
debt securities	0.0001	0.0000	0.0000	0.0000	0.0000
bonds	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
equity	25.5469	42.1050	43.2522	48.8052	30.4440
other	0.0023	0.0017	0.0009	0.0012	0.0037

Table 26

Value of delivery instructions processed

(SAR billions, total for the year)

	2011	2012	2013	2014	2015
Tadawul					
Total value of delivery instructions	1,101.01	1,930.02	1,369.96	2,146.83	1,662.93
debt securities	1.94	0.54	0.23	0.11	0.45
bonds	*1.94*	*0.54*	*0.23*	*0.11*	*0.45*
equity	1,098.84	1,929.48	1,369.67	2,146.51	1,660.62
other	0.23	0.16	0.07	0.21	1.86

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	5,184	5,312	5,399	5,470	5,535
GDP (SGD billions)	334.10	358.50	378.20	388.20	402.50
GDP per capita (SGD)	64,448	67,489	70,050	70,969	72,719
Consumer price inflation (%)[2]	5.2	4.6	2.4	1.0	-0.5
Exchange rate (SGD/USD):					
end of year	*1.3007*	*1.2221*	*1.2653*	*1.3213*	*1.4139*
average	*1.2579*	*1.2497*	*1.2513*	*1.2671*	*1.3749*

[1] Mid-year estimates. [2] Yearly average.

Table 2

Settlement media used by non-banks

(SGD millions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks[1]	24,690.3	26,361.3	28,851.6	31,506.9	34,042.3
Value of transferable deposits[2]	105,901.6	114,347.8	125,745.7	128,710.8	126,403.5
Narrow money supply (M1)[3]	130,591.9	140,709.1	154,597.3	160,217.7	160,445.8
Memo:					
Transferable deposits in foreign currencies	nap	nap	nap	nap	nap
Outstanding value on e-money storage	216.6	230.6	253.7	282.5	320.1
on card-based products	*216.6*	*230.6*	*253.7*	*282.5*	*320.1*
on software-based products	*nap*	*nap*	*nap*	*nap*	*nap*

[1] Currency in active circulation. [2] Demand deposits of private non-bank customers resident in Singapore. [3] Currency in active circulation and demand deposits.

Table 3

Settlement media used by banks

(SGD millions, average for December) [1]

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	17,815.3	19,503.3	32,107.0	20,311.0	22,218.5
required reserves	*14,895.0*	*16,058.9*	*16,583.8*	*16,868.3*	*6,515.2*
free reserves [2]	*2,920.3*	*3,444.4*	*15,523.2*	*3,442.7*	*15,703.3*
Transferable balances held at other banks	nap	nap	nap	nap	nap
Memo:					
Credit extended by the central bank:					
intraday	*nav*	*nav*	*nav*	*nav*	*nav*
overnight	*nav*	*nav*	*nav*	*nav*	*nav*
longer refinancing operations	*nap*	*nap*	*nap*	*nap*	*nap*

[1] For institutions' borrowing from the central bank, Sundays and public holidays are excluded. [2] The free reserves in 2013 include the additional statutory reserves placed by banks with MAS for one year following the completion of MAS's review on financial benchmarks. These reserves were returned to the banks in 2014.

Table 4

Banknotes and coin[1]

(SGD millions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	27,481	29,113	31,654	34,419	38,432
Total banknotes issued	26,454	28,043	30,540	33,252	37,212
SGD 10,000	*1,882*	*1,914*	*2,004*	*1,933*	*1,691*
SGD 1,000	*9,866*	*10,703*	*12,160*	*13,742*	*15,378*
SGD 500	*251*	*247*	*243*	*240*	*238*
SGD 100	*1,940*	*2,156*	*2,679*	*2,945*	*3,614*
SGD 50	*9,130*	*9,701*	*9,950*	*10,705*	*12,031*
SGD 25	*10*	*10*	*10*	*10*	*10*
SGD 20	*172*	*173*	*175*	*175*	*175*
SGD 10	*1,983*	*1,948*	*2,071*	*2,197*	*2,692*
SGD 5	*322*	*324*	*340*	*359*	*385*
SGD 2	*756*	*726*	*767*	*807*	*858*
SGD 1	*141*	*140*	*140*	*139*	*139*
Total coin issued	1,027	1,071	1,114	1,167	1,221
SGD 5	*6*	*6*	*6*	*6*	*6*
SGD 1	*519*	*540*	*559*	*584*	*609*
SGD 0.50	*196*	*207*	*218*	*232*	*245*
SGD 0.20	*147*	*154*	*161*	*171*	*180*
SGD 0.10	*115*	*119*	*122*	*127*	*132*
SGD 0.05	*38*	*39*	*40*	*42*	*43*
SGD 0.01	*7*	*7*	*7*	*7*	*7*
Banknotes and coin held by banks[2]	2,796	2,756	2,808	2,917	4,396
Banknotes and coin in circulation outside banks[3]	24,690	26,361	28,852	31,507	34,042

[1] Excludes commemorative and numismatic notes and coin. [2] Cash at banks (includes Brunei notes and coin). [3] Currency in active circulation.

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices[1]	1	1	1	1	1
Number of accounts	nav	nav	nav	nav	nav
Value of accounts	nav	nav	nav	nav	nav
Memo:					
Number of accounts, banks[2, 3]	120	123	123	124	126
Value of accounts, banks (SGD billions)[2]	17.82	19.50	32.11	20.31	22.22
Banks[2]					
Number of institutions[3]	167	169	165	163	164
Number of branches or offices[3]	475	478	467	467	470
Number of accounts	nav	nav	nav	nav	nav
Value of accounts (SGD billions)	483.11	518.84	537.58	550.36	560.01
Commercial banks[2]					
Number of institutions[3]	120	123	123	124	126
Number of branches or offices[3]	428	432	425	428	432
Value of accounts (SGD billions)	483.11	518.84	537.58	550.36	560.01
Merchant banks					
Number of institutions[3]	47	46	42	39	38
Number of branches or offices[3]	47	46	42	39	38
Value of accounts	nav	nav	nav	nav	nav
Other institutions offering payment services to non-banks: Finance companies					
Number of institutions[3]	3	3	3	3	3
Number of branches or offices[3]	39	39	39	39	39
Number of accounts	nav	nav	nav	nav	nav
Value of accounts (SGD billions)[4]	9.48	12.35	12.40	13.30	14.67
Institutions offering payment services to non-banks (total)					
Number of institutions[3]	171	173	169	167	168
Number of branches or offices[3]	515	518	507	507	510
Number of accounts held by non-banks	nav	nav	nav	nav	nav
Value of accounts held by non-banks (SGD billions)	492.59	531.19	549.98	563.66	574.68
Memo:					
Electronic money institutions					
Number of institutions[3]	5	4	4	4	4
Outstanding value on e-money storages issued by e-money institutions (SGD billions)	0.22	0.23	0.25	0.28	0.32

[1] Singapore (main office). The representative offices in New York and London do not offer cashless payment services. [2] Includes local and foreign banks. [3] As at end-March of the years shown. [4] Non-bank customer deposits.

Table 6

Payment card functions and accepting devices

(end of year)

	2011	2012	2013	2014	2015
Cards issued in the country (thousands)					
Cards with a cash function[1]	10,205.4	10,585.6	10,907.1	10,741.2	10,279.2
Cards with a debit function[1]	10,205.4	10,585.6	10,907.1	10,741.2	10,279.2
Cards with a delayed debit function	nap	nap	nap	nap	nap
Cards with a credit function[2]	7,379.3	7,698.3	9,293.2	9,579.3	9,452.6
Cards with an e-money function	20,438.5	19,820.3	23,091.6	29,381.6	34,711.3
of which: cards with an e-money function which have been loaded at least once	*nav*	*nav*	*nav*	*nav*	*nav*
Total number of cards (irrespective of the number of functions on the card)[3]	38,023.3	38,104.2	43,291.9	49,702.1	54,443.0
of which: cards with a combined debit, cash and e-money function	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Retailer cards	nav	nav	nav	nav	nav
Terminals located in the country					
ATMs	2,669.0	2,721.0	2,727.0	2,736.0	2,804.0
ATMs with a cash withdrawal function	*2,669.0*	*2,721.0*	*2,727.0*	*2,736.0*	*2,804.0*
ATMs with a credit transfer function	*2,669.0*	*2,721.0*	*2,727.0*	*2,736.0*	*2,804.0*
POS terminals	89,877.0	135,577.0	146,365.0	143,744.0	172,119.0
of which: EFTPOS terminals	*89,877.0*	*135,577.0*	*146,365.0*	*143,744.0*	*172,119.0*
E-money card terminals	108,265.0	124,520.0	131,778.0	160,552.0	167,032.0
e-money card loading/unloading terminals	*nav*	*nav*	*nav*	*nav*	*nav*
e-money card payment terminals	*108,265.0*	*124,520.0*	*131,778.0*	*160,552.0*	*167,032.0*

[1] Based on survey data from selected local and foreign banks. For 2009, ATM figures had better data and some previous double-countings from the banks have been removed. [2] Includes main and supplementary cards for credit and charge cards. [3] All cards with a cash function also have a debit function; they are therefore only counted once here.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1, 2]	37.64	39.90	42.67	40.64	60.79
paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
non-paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
Direct debits[1, 2]	55.02	56.45	57.13	57.18	57.02
Card payments with cards issued in the country	221.74	235.27	509.29	580.99	613.30
payments by cards with a debit function	*221.74*	*235.27*	*258.16*	*293.89*	*301.94*
payments by cards with a delayed debit	*nav*	*nav*	*nav*	*nav*	*nav*
payments by cards with a credit function	*nav*	*nav*	*251.13*	*287.10*	*311.36*
E-money payment transactions	2,888.21	3,015.14	3,085.32	3,138.13	3,233.00
by cards with an e-money function	*2,888.21*	*3,015.14*	*3,085.32*	*3,138.13*	*3,233.00*
through other e-money storages	*nav*	*nav*	*nav*	*nav*	*nav*
Cheques[1, 3]	76.78	74.56	72.23	69.41	65.74
Other payment instruments	nav	nav	nav	nav	nav
Total number of transactions with payment instruments	3,279.39	3,421.32	3,766.65	3,886.35	4,029.86
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Transactions at terminals in the country by cards issued in the country					
Cash transactions	201.72	219.05	229.67	229.42	229.68
ATM cash withdrawals	*201.72*	*219.05*	*229.67*	*229.42*	*229.68*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	nav	nav	nav	nav	nav
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav

[1] Does not include on-us payments. [2] IBG transactions and FAST transactions (from 2015 onwards). [3] Includes both SGD and USD cheques.

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions
(SGD billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[1, 2]	197.73	212.97	231.80	243.31	295.74
paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
non-paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
Direct debits[1, 2]	73.40	79.64	85.29	91.62	97.09
Card payments with cards issued in the country	62.09	67.24	73.30	77.76	80.62
payments by cards with a debit function	*26.86*	*28.82*	*30.78*	*32.22*	*32.60*
payments by cards with a delayed debit	*nav*	*nav*	*nav*	*nav*	*nav*
payments by cards with a credit function[3]	*35.23*	*38.42*	*42.52*	*45.54*	*48.02*
E-money payment transactions	2.20	2.35	2.44	2.59	2.72
by cards with an e-money function	*2.20*	*2.35*	*2.44*	*2.59*	*2.72*
through other e-money storages	*nav*	*nav*	*nav*	*nav*	*nav*
Cheques[1, 4]	684.58	693.69	724.45	700.60	673.41
Other payment instruments	nav	nav	nav	nav	nav
Total value of transactions with payment instruments	1,020.00	1,055.90	1,117.28	1,115.87	1,149.58
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Transactions at terminals in the country by cards issued in the country					
Cash transactions	52.73	59.11	64.33	65.22	65.78
ATM cash withdrawals	*52.73*	*59.11*	*64.33*	*65.22*	*65.78*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	nav	nav	nav	nav	nav
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav

[1] Does not include on-us payments. [2] IBG transactions and FAST transactions (from 2015 onwards). [3] Includes charge cards. Break in data series from 2013 onwards due to use of a different data set. [4] Includes both SGD and USD cheques; USD cheques up to 2009 converted at end-year exchange rates. From 2010 onwards, average exchange rates are used.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
MEPS+(IFT)					
Number of participants	136	137	140	143	126
Direct participants	64	62	64	64	63
Banks	*61*	*59*	*60*	*60*	*59*
Central bank	*1*	*1*	*1*	*1*	*1*
Other direct participants	*2*	*2*	*3*	*3*	*3*
Clearing and settlement organisations	*2*	*2*	*3*	*3*	*3*
Indirect participants	72	75	76	79	63
Retail payment systems					
Singapore dollar cheque clearing system					
Number of participants	64	63	64	63	61
Direct participants	34	34	34	34	34
Banks	*33*	*33*	*33*	*33*	*33*
Central bank	*1*	*1*	*1*	*1*	*1*
Indirect participants	30	29	30	29	27
US dollar cheque clearing system					
Number of participants	48	48	48	49	48
Direct participants	32	32	32	32	32
Banks	*32*	*32*	*32*	*32*	*32*
Indirect participants	16	16	16	17	16
IBG clearing system					
Number of participants	45	44	45	45	45
Direct participants	39	38	39	40	40
Banks	*39*	*38*	*39*	*40*	*40*
Indirect participants	6	6	6	5	5

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
MEPS+(IFT)					
Total transactions sent	4.395	4.730	5.076	5.210	5.321
Concentration ratio in terms of volume (%)	nav	nav	nav	nav	nav
Retail payment systems					
Singapore dollar cheque clearing system					
Total transactions sent	75.814	73.639	71.296	68.472	64.839
cheques	*75.814*	*73.639*	*71.296*	*68.472*	*64.839*
Concentration ratio in terms of volume (%)	88.3	88.2	88.2	88.4	88.4
US dollar cheque clearing system					
Total transactions sent	0.964	0.920	0.933	0.935	0.903
cheques	*0.964*	*0.920*	*0.933*	*0.935*	*0.903*
Concentration ratio in terms of volume (%)	76.5	76.0	76.2	76.9	77.8
IBG clearing system					
Total transactions sent	92.663	96.345	99.807	97.825	98.966
credit transfers	*37.641*	*39.897*	*42.674*	*40.641*	*41.949*
direct debits	*55.022*	*56.448*	*57.133*	*57.184*	*57.017*
Concentration ratio in terms of volume (%)	86.9	86.2	85.7	85.0	83.6

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions
(SGD billions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
MEPS+(IFT)					
Total transactions sent	17,429.39	17,684.00	16,633.64	15,239.84	16,050.76
Concentration ratio in terms of value (%)	nav	nav	nav	nav	nav
Retail payment systems					
Singapore dollar cheque clearing system					
Total transactions sent	622.50	632.39	659.17	634.12	623.22
cheques	*622.50*	*632.39*	*659.17*	*634.12*	*623.22*
Concentration ratio in terms of value (%)	83.3	82.6	82.7	82.5	81.8
US dollar cheque clearing system[1]					
Total transactions sent	62.08	61.31	65.28	66.48	69.01
cheques	*62.08*	*61.31*	*65.28*	*66.48*	*69.01*
Concentration ratio in terms of value (%)	71.1	70.9	70.6	70.3	70.8
IBG clearing system					
Total transactions sent	271.13	292.61	317.09	334.93	355.64
credit transfers	*197.73*	*212.97*	*231.80*	*243.31*	*258.57*
direct debits	*73.40*	*79.64*	*85.29*	*91.62*	*97.07*
Concentration ratio in terms of value (%)	81.4	81.4	80.5	79.4	79.7

[1] Up to 2009, aggregated figures converted at end-year exchange rates. From 2010 onwards, average exchange rates are used.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	8	8	8	8	9
of which: live	*8*	*8*	*8*	*8*	*9*
Sub-members	145	146	147	149	148
of which: live	*145*	*147*	*147*	*149*	*148*
Participants	27	30	33	42	45
of which: live	*26*	*32*	*32*	*39*	*43*
Total users	180	184	188	199	202
of which: live	*179*	*187*	*187*	*196*	*200*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	59,016	59,817	67,611	75,535	84,624
of which:					
category I	*8,694*	*9,822*	*10,725*	*11,282*	*11,864*
category II	*7,577*	*7,606*	*7,896*	*8,713*	*9,085*
Total messages received	63,536	60,987	68,000	76,136	86,828
of which:					
category I	*9,543*	*10,297*	*11,088*	*11,588*	*12,272*
category II	*4,934*	*4,814*	*5,111*	*5,551*	*5,650*
Domestic traffic	15,946	17,016	20,755	23,373	26,578
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
SGX					
Total number of participants	4,336	4,148	3,975	4,421	4,199
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
SGX					
Total number of listed securities	2,305	2,496	2,775	3,053	3,051
debt securities	1,134	1,317	1,552	1,842	1,930
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	773	776	776	775	769
other	398	403	447	436	352

Table 16

Market capitalisation of listed companies

(SGD billions, end of year)

	2011	2012	2013	2014	2015
SGX					
Total market capitalisation/equity	775.78	934.54	939.90	997.58	904.77

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
SGX					
Total number of executed securities trades	20,838.27	22,006.81	28,637.39	22,168.87	52,114.19
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
Total number of executed derivatives trades	72,247.72	80,210.62	112,077.28	120,398.47	184,290.97
financial futures	*69,713.26*	*75,225.51*	*100,558.06*	*108,349.66*	*165,343.14*
financial options	*2,091.08*	*4,728.11*	*10,501.43*	*7,918.13*	*5,750.55*
other financial derivatives	*nav*	*nav*	*11.11*	*678.17*	*4,202.86*
commodity futures	*443.39*	*257.00*	*346.30*	*489.79*	*654.85*
commodity options	*nav*	*nav*	*67.19*	*231.62*	*1,622.07*
other commodity derivatives	*nav*	*nav*	*593.19*	*2,731.10*	*6,717.51*

Table 18

Value of executed trades

(SGD billions, total for the year)

	2011	2012	2013	2014	2015
SGX					
Total value of executed securities trades	373.23	321.55	354.82	265.82	279.98
debt securities	0.05	0.16	0.15	0.11	0.14
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	353.03	314.31	343.20	258.13	272.48
other	20.15	7.07	11.48	7.58	7.36
Total value of executed derivatives trades	nav	nav	nav	nav	nav

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
CDP					
Total number of clearing members	63	61	63	63	61
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic clearing members	nav	nav	nav	nav	nav
Number of foreign clearing members	nav	nav	nav	nav	nav

Table 20

Number of contracts and transactions cleared

(millions, total for the year)

	2011	2012	2013	2014	2015
CDP					
Total number of contracts and transactions cleare	357.96	467.60	898.73	502.39	397.52
Number of securities transactions cleared	nav	nav	nav	nav	nav
debt securities	52.26	142.23	119.01	89.73	nav
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	305.70	325.37	779.72	412.66	nav
other	nav	nav	nav	nav	nav
of which: number of repurchase transactions cleared	*nav*	*nav*	*nav*	*nav*	*nav*
Number of exchange-traded derivatives contracts cleared	nav	nav	nav	nav	nav
Number of OTC derivatives contracts cleared	nav	nav	nav	nav	nav

Table 21

Value of contracts and transactions cleared

(SGD billions, total for the year)

	2011	2012	2013	2014	2015
CDP					
Total value of contracts and transactions cleared	365.70	321.55	354.82	265.82	279.98
Value of securities transactions cleared	nav	nav	nav	nav	nav
Value of exchange-traded derivatives contracts cleared	nav	nav	nav	nav	nav
Value of OTC derivatives contracts cleared	nav	nav	nav	nav	nav

Table 22

(end of year)

	2011	2012	2013	2014	2015
MEPS+(SGS)					
Total number of participants	64	62	64	64	63
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
central securities depositories	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav
DCSS[1]					
Total number of participants	47	63	63	73	75
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
central securities depositories	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav
CDP					
Total number of participants	63	61	63	73	75
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
central securities depositories	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions
(ZAR billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	15,552.4	17,202.5	20,338.3	22,035.1	23,846.2
paper-based	*nap*	*nap*	*nap*	*nap*	*nap*
non-paper-based	*nap*	*nap*	*nap*	*nap*	*nap*
Direct debits	1,010.6	1,247.9	1,319.4	1,248.3	1,297.3
Card payments with cards issued in the country	457.4	522.3	624.2	752.0	882.0
E-money payment transactions	nap	nap	nap	nap	nap
Cheques	1,180.4	851.0	500.3	383.4	294.0
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	709.7	599.4	850.6	937.9	1,052.3
ATM cash withdrawals	*664.7*	*533.4*	*776.8*	*852.4*	*932.7*
ATM cash deposits	*45.0*	*66.0*	*73.8*	*85.5*	*119.6*
POS payment transactions	466.2	379.9	455.2	576.9	655.3
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	709.7	599.4	844.6	921.1	1041.0
ATM cash withdrawals	664.7	*533.4*	*770.8*	*835.6*	*921.5*
ATM cash deposits	*45.0*	*66.0*	*73.8*	*85.5*	*119.6*
POS payment transactions	466.2	379.9	440.4	525.9	611.5
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	nav	nav	6.0	16.8	11.2
ATM cash withdrawals	*nav*	*nav*	*6.0*	*16.8*	*11.2*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	nav	nav	14.8	51.0	43.8
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions[1]	13.0	14.9	18.1	25.3	32.4
ATM cash withdrawals	*nav*	*nav*	*nav*	*nav*	*nav*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	nav	nav	nav	nav	nav
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions	nap	nap	nap	nap	nap

[1] A new reporting system was implemented on 19 August 2013. Cash transactions include cash and ATM withdrawals, as well as POS transactions. A breakdown is not available.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
SAMOS - large					
Number of participants	24	23	25	28	29
Direct participants	24	23	25	28	29
Banks	22	21	22	25	26
Central bank	1	1	1	1	1
Other direct participants	1	1	2	2	2
Clearing and settlement organisations[1]	*1*	*1*	*2*	*2*	*2*
Indirect participants	nav	nav	nav	nav	nav
SAMOS - retail					
Number of participants	24	24	26	28	29
Direct participants	23	22	23	25	27
Banks	22	21	22	24	26
Central bank	1	1	1	1	1
Indirect participants[2]	1	2	3	3	2

[1] The SADC Integrated Regional Electronic Settlement System (SIRESS), implemented in July 2013, is an electronic settlement system that is hosted and operated by the South African Reserve Bank. SIRESS is used to settle regional transactions among banks within the Southern African Development Community (SADC) countries and is meant to replace current correspondent banking arrangements for settlement of cross-border transactions within the region. [2] Indirect participants include institutions that can clear their payment instructions in their own name. Their transactions are settled (on their behalf) by a settlement participant under a "sponsored settlement agreement".

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions

(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
SAMOS - large					
Total transactions sent[1]	4.100	5.017	5.796	6.424	7.035
Concentration ratio in terms of volume (%)	91.7	92.4	92.6	91.2	90.8
Retail payment systems					
SAMOS - retail[2]					
Total transactions sent	0.287	0.308	0.326	0.345	0.386
credit transfers	0.096	0.105	0.119	0.129	0.148
direct debits	0.096	0.104	0.109	0.118	0.130
card payments	0.042	0.044	0.045	0.046	0.052
ATM transactions	0.034	0.038	0.037	0.037	0.040
e-money transactions	nap	nap	nap	nap	nap
cheques	0.017	0.017	0.017	0.016	0.016
other payment instruments[3]	0.002	0.000	0	0	0
Concentration ratio in terms of volume (%)	62.6	59.8	59.3	59.3	58.8

[1] Figures have been amended to include settlement instructions that were processed by the SARB for participants who were unable to submit their instructions within the required timelines. The values for these settlement instructions were previously excluded from the final figures. [2] Volumes of transactions in retail payment streams are settled in batches. Thus, volumes recorded by the system represent the number of batches and not actual transactions settled. [3] The ZAPS (high-value interbank credit transfer system) payment stream was discontinued in 2012.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(ZAR billions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
SAMOS - large					
Total transactions sent	76,616.4	83,302.3	87,896.7	105,320.3	117,159.3
Concentration ratio in terms of value (%)	86.6	85.5	80.2	73.8	72.8
Retail payment systems					
SAMOS - retail					
Total transactions sent[1]	7,247.0	7,966.7	8,735.2	9,386.4	10,119.9
credit transfers	5,397.6	6,131.0	6,876.1	7,507.5	8,123.5
direct debits	649.7	747.5	807.7	750.3	775.3
card payments	367.4	481.6	643.0	768.7	891.1
ATM transactions	103.0	117.4	132.3	147.4	167.9
e-money transactions	nap	nap	nap	nap	nap
cheques	710.9	489.2	276.1	212.4	162.1
other payment instruments[2]	18.5	0.0	0	0	0
Concentration ratio in terms of value (%)	95.3	94.8	93.7	92.9	92.3

[1] Figures have been amended to include settlement instructions that were processed by the SARB for participants who were unable to submit their instructions within the required timelines. The values for these settlement instructions were previously excluded from the final figures. [2] The ZAPS payment stream was discontinued in 2012 (ZAPS - high value interbank credit transfer system).

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	9	10	10	10	10
of which: live	*9*	*10*	*10*	*10*	*10*
Sub-members	25	26	26	26	26
of which: live	*25*	*25*	*26*	*26*	*26*
Participants	86	87	92	92	93
of which: live	*84*	*85*	*91*	*89*	*92*
Total users	120	123	128	128	129
of which: live	*118*	*120*	*127*	*125*	*128*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	69,924	72,795	84,856	92,225	100,473
of which:					
category I	*6,483*	*7,243*	*7,703*	*8,612*	*9,226*
category II	*5,652*	*2,477*	*2,606*	*2,830*	*2,922*
Total messages received	62,930	65,550	76,389	82,490	90,004
of which:					
category I	*7,015*	*7,657*	*8,431*	*9,435*	*10,082*
category II	*5,826*	*2,722*	*2,991*	*3,357*	*3,500*
Domestic traffic	49,780	45,083	53,633	56,851	61,566
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
Johannesburg Stock Exchange					
Total number of participants	nav	nav	nav	nav	nav

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
Johannesburg Stock Exchange					
Total number of listed securities	2,013	2,324	2,420	2,486	2,547
debt securities	1,180	1,452	1,539	1,650	1,732
bonds	*1,180*	*1,452*	*1,539*	*1,650*	*1,732*
equity	833	872	881	836	815

Table 16

Market capitalisation of listed companies

(ZAR billions, end of year)

	2011	2012	2013	2014	2015
Johannesburg Stock Exchange					
Total market capitalisation/equity	6,908.5	8,383.6	10,626.2	11,505.0	11,727.6

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
Johannesburg Stock Exchange					
Total number of executed securities trades	26,873.28	27,332.37	39,387.25	46,684.09	62,348.53
debt securities	369.06	397.75	423.18	385.92	454.28
bonds	*369.06*	*397.75*	*423.18*	*385.92*	*454.28*
equity	26,504.22	26,934.62	38,964.07	46,298.17	61,894.25
Total number of executed derivatives trades	2,556.96	2,404.09	3,010.90	3,496.63	3,908.46
financial futures	*2,226.98*	*2,055.74*	*2,682.90*	*3,167.06*	*3,526.15*
financial options	*19.42*	*23.37*	*22.73*	*20.81*	*19.92*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
commodity futures	*273.27*	*286.46*	*274.90*	*277.39*	*319.40*
commodity options	*37.30*	*38.52*	*30.38*	*31.37*	*43.00*
other commodity derivatives	*nav*	*nav*	*nav*	*nav*	*nav*

Table 18

Value of executed trades

(ZAR billions, total for the year)

	2011	2012	2013	2014	2015
Johannesburg Stock Exchange					
Total value of executed securities trades	24,164.98	26,390.96	24,598.48	22,833.96	27,755.32
debt securities	20,878.15	22,959.38	20,616.86	18,783.91	22,739.89
bonds	*20,878.15*	*22,959.38*	*20,616.86*	*18,783.91*	*22,739.89*
equity	3,286.83	3,431.58	3,981.62	4,050.04	5,015.42
Total value of executed derivatives trades	4,721.65	4,735.60	5,552.26	6,472.54	7,396.26
financial futures	*4,287.00*	*4,186.00*	*5,029.00*	*5,958.00*	*6,618.89*
financial options	*40.00*	*39.00*	*33.00*	*24.00*	*28.00*
other financial derivatives	*nav*	*nav*	*nav*	*nav*	*nav*
commodity futures	*390.88*	*505.15*	*486.90*	*487.82*	*736.98*
commodity options	*3.78*	*5.45*	*3.36*	*2.72*	*12.38*
other commodity derivatives	*nav*	*nav*	*nav*	*nav*	*nav*

Table 19

Number of clearing members

Details are not available.

Table 20

Number of contracts and transactions cleared

Details are not available.

Table 21

Value of contracts and transactions cleared

Details are not available.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
SAFIRES					
Total number of participants	40	43	45	48	50
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*1*	*1*	*1*	*1*	*1*
banks	*7*	*8*	*8*	*8*	*8*
other	*31*	*33*	*35*	*38*	*40*
Number of domestic participants	40	43	45	48	50
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*1*	*1*	*1*	*1*	*1*
banks	*7*	*8*	*8*	*8*	*8*
other	*31*	*33*	*35*	*38*	*40*

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
SAFIRES					
Total number of securities held	4.105	4.546	5.785	8.636	8.970
debt securities	3.167	3.623	4.829	7.649	8.035
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	0.938	0.923	0.956	0.987	0.935

Table 24

Value of securities held on accounts at CSDs

(ZAR billions, end of year)

	2011	2012	2013	2014	2015
SAFIRES					
Total value of securities held	6,410.6	8,002.0	9,254.5	10,000.7	10,168.7
debt securities	1,726.4	2,082.0	2,395.0	2,659.5	2,986.1
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	4,684.3	5,920.0	6,859.5	7,341.3	7,182.6

Table 25

Number of delivery instructions processed

(thousands, total for the year)

	2011	2012	2013	2014	2015
SAFIRES					
Total number of delivery instructions	5,024.35	6,240.14	6,600.86	7,125.09	7,980.09
DVP	4,002.16	4,573.35	5,171.92	5,536.66	6,201.06
debt securities	434.76	498.72	537.96	547.83	613.57
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	3,567.41	4,074.63	4,633.97	4,988.83	5,587.48
free of payment	1,022.18	1,666.79	1,428.94	1,588.43	1,779.04
debt securities[1]	1.49	2.51	5.43	5.62	6.30
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	1,020.70	1,664.29	1,423.51	1,582.81	1,772.74

[1] The Free of Payment functionality was implemented in August 2009.

Table 26

Value of delivery instructions processed

(ZAR billions, total for the year)

	2011	2012	2013	2014	2015
SAFIRES					
Total value of delivery instructions	29,276	32,805	29,999	29,639	33,172
DVP	29,276	32,805	29,999	29,639	33,172
debt securities	26,244	29,484	26,103	24,846	27,804
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	3,032	3,322	3,896	4,794	5,369
free of payment	nav	nav	nav	nav	nav

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	9,457	9,521	9,603	9,702	9,851
GDP (SEK billions)	3,656.6	3,684.8	3,769.9	3,936.8	4,181.1
GDP per capita (SEK)	386,653	387,018	392,576	405,776	424,434
Consumer price inflation (%)[1]	1.4	0.9	0.4	0.2	0.7
Exchange rate (SEK/USD):					
end of year	*6.8877*	*6.5045*	*6.4238*	*7.7366*	*8.4408*
average	*6.4939*	*6.7772*	*6.5149*	*6.8636*	*8.4347*

[1] Yearly average.

Table 2

Settlement media used by non-banks

(SEK billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks	91.4	88.4	81.6	79.6	71.5
Value of transferable deposits	1,506.3	1,604.7	1,762.4	1,944.7	2,217.9
Narrow money supply (M1)	1,598.6	1,692.5	1,844.9	2,024.3	2,289.4
Memo:					
Transferable deposits in foreign currencies	96.5	99.1	103.5	127.8	130.7
Outstanding value on e-money storage[1]	nav	nav	nav	nav	nav
on card-based products	*nav*	*nav*	*nav*	*nav*	*nav*
on software- or network-based products	*nav*	*nav*	*nav*	*nav*	*nav*

[1] Terminated in September 2004.

Table 3

Settlement media used by banks

(SEK billions, end of year)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	16.88	26.15	21.67	14.80	70.92
required reserves	*nap*	*nap*	*nap*	*nap*	*nap*
free reserves	*16.88*	*26.15*	*21.67*	*14.80*	*70.92*
Transferable balances held at other banks	nav	nav	nav	nav	nav
Memo:					
Credit extended by the central bank:	0	0	0	0.033	0
intraday	*nav*	*nav*	*nav*	*nav*	*nav*
overnight	*nav*	*nav*	*nav*	*0.033*	*0*
longer-term refinancing operations	*nav*	*nav*	*nav*	*nav*	*nav*

Table 4

Banknotes and coin

(SEK billions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	99.44	95.78	84.98	83.22	72.52
Total banknotes issued	94.08	90.39	79.57	77.89	67.26
SEK 1,000	*25.09*	*21.38*	*9.71*	*6.16*	*4.20*
SEK 500	*56.83*	*56.65*	*57.38*	*57.20*	*49.79*
SEK 100	*9.19*	*9.37*	*9.51*	*9.22*	*8.05*
SEK 50	*1.23*	*1.24*	*1.24*	*1.09*	*1.11*
SEK 20	*1.73*	*1.74*	*1.74*	*1.74*	*1.85*
SEK 10	*0*	*0*	*0*	*0*	*0*
Commemorative banknotes	*0.002*	*0.002*	*0.002*	*0.002*	*2.260*
Invalid banknotes	*nav*	*nav*	*nav*	*2.47*	*nav*
Total coin issued	5.37	5.39	5.41	5.34	5.26
SEK 10	*2.55*	*2.56*	*2.57*	*2.51*	*2.49*
SEK 5	*1.31*	*1.32*	*1.34*	*1.34*	*1.31*
SEK 2	*0.01*	*0.01*	*0.01*	*0.01*	*0.01*
SEK 1	*1.35*	*1.38*	*1.39*	*1.40*	*1.39*
SEK 0.50	*0*	*0*	*nap*	*0*	*0*
Commemorative coin	*0.140*	*0.116*	*0.099*	*0.075*	*0.058*
Banknotes and coin held by banks	8.03	7.42	3.34	3.59	1.92
Banknotes and coin in circulation outside banks	91.41	88.35	81.64	79.64	71.54

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank[1]					
Number of branches or offices	1	1	1	1	1
Number of accounts	nap	nap	nap	nav	nav
Value of accounts	nap	nap	nap	nav	nav
Banks					
Number of institutions	114	117	118	117	116
Number of branches or offices	1,830	1,839	1,822	1,774	1,644
Number of accounts	nav	nav	nav	nav	nav
Value of accounts (SEK billions)	2,818.8	2,949.9	3,154.8	3,450.3	3,562.0
Commercial banks					
Number of institutions	38	39	40	41	40
Number of branches or offices	1,650	1,665	1,655	1,629	1,499
Value of accounts (SEK billions)	2,483.4	2,571.2	2,755.7	2,995.7	3,115.1
Savings banks					
Number of institutions	49	49	49	48	47
Number of branches or offices	180	174	167	145	145
Value of accounts (SEK billions)	129.6	140.8	146.6	136.6	149.5
Branches of foreign banks					
Number of institutions	27	29	29	28	29
Number of branches or offices	nav	nav	nav	nav	nav
Value of accounts (SEK billions)	205.9	237.9	252.4	318.0	297.4
Other institutions offering payment services to non-banks: postal institution					
Number of institutions	nav	nav	nav	nav	nav
Number of branches or offices	nav	nav	nav	nav	nav
Number of accounts	nav	nav	nav	nav	nav
Value of accounts	nav	nav	nav	nav	nav
Institutions offering payment services to non-banks (total)					
Number of institutions	114	117	118	117	116
Number of branches or offices	1,830	1,839	1,822	1,774	1,644
Number of accounts held by non-banks	nav	nav	nav	nav	nav
Value of accounts held by non-banks (SEK billions)	2,818.8	2,949.9	3,154.8	3,450.3	nav
Memo:					
Electronic money institutions					
Number of institutions	nap	nap	nap	nap	5
Outstanding value on e-money storages issued by e-money institutions	nap	nap	nap	nap	nav

[1] The central bank does not offer payment services to non-banks.

Table 6

Payment card functions and accepting devices

(end of year)

	2011	2012	2013	2014	2015
Cards issued in the country (thousands)					
Cards with a cash function	11,865	12,034	12,600	13,262	11,008
Cards with a debit function	10,321	10,594	10,741	11,320	10,430
Cards with a delayed debit function	656	709	688	702	1,942
Cards with a credit function	10,831	10,793	10,539	10,078	8,637
Cards with an e-money function[1]	nap	nap	nap	nap	122
of which: cards with an e-money function which have been loaded at least once	*nap*	*nap*	*nap*	*nap*	*122*
Total number of cards (irrespective of the number of functions on the card)	21,808	22,096	21,968	22,100	24,932
of which: cards with a combined debit, cash and e-money function	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Retailer cards	nav	nav	nav	nav	nav
Terminals located in the country					
ATMs	3,566	3,416	3,237	3,231	3,285
ATMs with a cash withdrawal function	*3,566*	*3,416*	*3,237*	*3,231*	*3,285*
ATMs with a credit transfer function	*0*	*0*	*0*	*nav*	*0*
POS terminals	209,631	198,388	195,709	196,985	183,818
of which: EFTPOS terminals	*nav*	*nav*	*nav*	*nav*	*nav*
E-money card terminals	nap	nap	nap	nap	nap

[1] No longer issued by the three largest banks offering this product.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	831.0	859.0	894.0	957.0	1,074.0
paper-based	*75.0*	*70.0*	*67.0*	*69.0*	*58.0*
non-paper-based	*756.0*	*789.0*	*827.0*	*888.0*	*1,016.0*
Direct debits	289.0	297.0	312.0	323.0	279.5
Card payments with cards issued in the country	1,982.0	2,190.0	2,398.0	2,619.9	2,845.0
payments by cards with a debit function [1]	*1,629.0*	*1,810.0*	*1,986.8*	*2,169.5*	*2,343.0*
payments by cards with a delayed debit	*42.0*	*43.0*	*42.6*	*44.7*	*61.0*
payments by cards with a credit function [2]	*311.0*	*337.0*	*368.7*	*405.8*	*441.0*
E-money payment transactions[3]	nap	nap	nap	nap	3.5
by cards with an e-money function	*nap*	*nap*	*nap*	*nap*	*3.5*
through other e-money storages	*nap*	*nap*	*nap*	*nap*	*0*
Cheques	0.4	0.2	0.1	0.0	0.1
Other payment instruments	0	0	0	0	0
Total number of transactions with payment instruments	3,102.4	3,346.2	3,604.1	3,900.0	4,202.1
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	218.0	207.0	229.0	216.0	154.0
ATM cash withdrawals	*218.0*	*207.0*	*229.0*	*216.0*	*154.0*
ATM cash deposits	*0*	*0*	*0*	*0*	*nav*
POS payment transactions	1,742.0	1,979.0	2,239.0	2,370.0	2,501.0
E-money card loading/unloading transactions[3]	nap	nap	nap	nap	nav
E-money card payment transactions[3]	nap	nap	nap	nap	3.5
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	213.0	202.0	225.0	214.0	151.0
ATM cash withdrawals	*213.0*	*202.0*	*225.0*	*214.0*	*151.0*
ATM cash deposits	*0*	*0*	*0*	*0*	*nav*
POS payment transactions	1,661.0	1,885.0	2,139.0	2,271.0	2,387.0
E-money card loading/unloading transactions[3]	nap	nap	nap	nap	nav
E-money card payment transactions[3]	nap	nap	nap	nap	nav
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	5.0	5.0	4.0	2.0	3.2
ATM cash withdrawals	*5.0*	*5.0*	*4.0*	*2.0*	*3.2*
ATM cash deposits	*0*	*0*	*0*	*0*	*nav*
POS payment transactions	81.0	94.0	101.0	99.0	114.0
E-money card loading/unloading transactions[3]	nap	nap	nap	nap	nav
E-money card payment transactions[3]	nap	nap	nap	nap	nav
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	7.3	8.0	7.0	4.0	12.3
ATM cash withdrawals	*7.3*	*8.0*	*7.0*	*4.0*	*12.3*
ATM cash deposits	*0*	*0*	*0*	*0*	*nav*
POS payment transactions	57.4	70.0	88.0	53.0	166.0
E-money card loading/unloading transactions[3]	nap	nap	nap	nap	nav
E-money card payment transactions[3]	nap	nap	nap	nap	nav

[1] Includes cards with a debit and delayed debit function. [2] Includes cards with a credit and delayed debit function. [3] No longer issued by the three largest banks offering this product.

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions

(SEK billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	12,604.00	13,646.00	14,175.00	14,769.00	13,042.44
paper-based	*174.00*	*175.00*	*151.00*	*142.00*	*227.87*
non-paper-based	*12,430.00*	*13,471.00*	*14,024.00*	*14,627.00*	*12,814.57*
Direct debits	543.00	545.00	553.00	558.00	477.74
Card payments with cards issued in the country	796.00	849.00	899.99	980.59	916.34
payments by cards with a debit function [1]	*577.00*	*617.00*	*657.79*	*718.98*	*668.62*
payments by cards with a delayed debit	*35.00*	*33.00*	*35.48*	*36.20*	*40.82*
payments by cards with a credit function [2]	*184.00*	*199.00*	*206.71*	*225.42*	*206.90*
E-money payment transactions[3]	nap	nap	nap	nap	0.004
by cards with an e-money function	*nap*	*nap*	*nap*	*nap*	*0.004*
through other e-money storages	*nap*	*nap*	*nap*	*nap*	*0*
Cheques	30.00	40.30	12.60	6.40	4.45
Other payment instruments	0	0	0	0	0
Total value of transactions with payment instruments	13,973.00	15,080.30	15,640.59	16,313.99	14,440.97
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	206.43	182.51	218.47	207.74	153.26
ATM cash withdrawals	*206.43*	*182.51*	*218.47*	*207.74*	*153.26*
ATM cash deposits	*0*	*0*	*0*	*0*	*nav*
POS payment transactions	572.59	626.38	665.89	690.34	747.05
E-money card loading/unloading transactions[3]	nap	nap	nap	nap	nav
E-money card payment transactions[3]	nap	nap	nap	nap	nav
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	197.20	176.18	206.42	195.68	149.77
ATM cash withdrawals	*197.20*	*176.18*	*206.42*	*195.68*	*149.77*
ATM cash deposits	*0*	*0*	*0*	*0*	*nap*
POS payment transactions	535.11	580.56	620.78	645.23	686.24
E-money card loading/unloading transactions[3]	nap	nap	nap	nap	nav
E-money card payment transactions[3]	nap	nap	nap	nap	nav
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	9.24	6.33	12.06	12.06	3.49
ATM cash withdrawals	*9.24*	*6.33*	*12.06*	*12.06*	*3.49*
ATM cash deposits	*0*	*0*	*0*	*0*	*nap*
POS payment transactions	37.48	45.82	45.11	45.11	60.81
E-money card loading/unloading transactions[3]	nap	nap	nap	nap	nav
E-money card payment transactions[3]	nap	nap	nap	nap	nav
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	8.11	11.01	7.90	11.51	17.55
ATM cash withdrawals	*8.11*	*11.01*	*7.90*	*11.51*	*17.55*
ATM cash deposits	*0*	*0*	*0*	*0*	*nap*
POS payment transactions	25.05	27.76	31.90	31.99	76.38
E-money card loading/unloading transactions[3]	nap	nap	nap	nap	nav
E-money card payment transactions[3]	nap	nap	nap	nap	nav

[1] Includes cards with a debit and delayed debit function. [2] Includes cards with a credit and delayed debit function. [3] No longer issued by the three largest banks offering this product.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
RIX					
Number of participants	25	25	27	30	29
Direct participants	25	25	27	30	29
Banks	18	18	19	22	21
Central bank	1	1	1	1	1
Other direct participants	6	6	7	7	7
General government	*0*	*0*	*0*	*0*	*1*
Clearing and settlement organisations	*4*	*4*	*5*	*5*	*6*
Retail payment systems					
Bankgirot, BGC					
Number of participants	20	21	21	21	22
Direct participants	20	21	21	21	22
Banks	20	21	21	21	21
Dataclearing					
Number of participants	20	21	21	21	29
Direct participants	20	21	21	21	29
Banks	20	21	21	21	28

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
RIX					
Total national transactions sent	3.46	3.62	3.81	4.06	4.36
credit transfers	*3.46*	*3.62*	*3.81*	*4.06*	*4.36*
Concentration ratio in terms of volume (%)	87.5	89.0	86.5	88.5	88.1
Retail payment systems					
Bankgirot, BGC					
Total national transactions sent	791.10	808.00	850.00	903.00	1,173.27
credit transfers	*552.00*	*561.00*	*590.00*	*634.00*	*893.73*
direct debits	*239.10*	*247.00*	*260.00*	*269.00*	*279.54*
Concentration ratio in terms of volume	nap	nap	nap	nap	nap
Dataclearing					
Total national transactions sent	125.50	135.00	140.70	144.70	145.59
credit transfers	*125.50*	*135.00*	*140.70*	*144.70*	*145.59*
Concentration ratio in terms of volume	nap	nap	nap	nap	nap

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(SEK billions, except as noted, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
RIX					
Total national transactions sent	124,724.0	124,454.0	111,986.0	117,537.0	133,635.0
credit transfers	*124,724.0*	*124,454.0*	*111,986.0*	*117,537.0*	*133,635.0*
Concentration ratio in terms of value (%)	74.0	79.6	74.0	74.2	81.9
Retail payment systems					
Bankgirot, BGC					
Total national transactions sent	8,204.0	8,667.0	9,044.0	9,394.0	13,281.2
credit transfers	*7,747.0*	*8,205.0*	*8,573.0*	*8,915.0*	*12,803.5*
direct debits	*457.0*	*462.0*	*471.0*	*479.0*	*477.7*
Concentration ratio in terms of value	nap	nap	nap	nap	nap
Dataclearing					
Total national transactions sent	2,590.0	2,694.0	2,720.0	2,938.0	3,234.3
credit transfers	*2,590.0*	*2,694.0*	*2,720.0*	*2,938.0*	*3,234.3*
Concentration ratio in terms of value	nap	nap	nap	nap	nap

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	6	7	9	9	9
of which: live	*6*	*7*	*9*	*9*	*9*
Sub-members	11	11	9	9	9
of which: live	*11*	*11*	*9*	*9*	*9*
Participants	20	22	24	29	35
of which: live	*19*	*20*	*21*	*23*	*28*
Total users	37	40	42	47	53
of which: live	*36*	*38*	*39*	*41*	*46*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	70,441	71,076	70,969	77,158	77,145
of which:					
category I	*8,370*	*8,642*	*9,013*	*9,319*	*9,626*
category II	*4,254*	*4,247*	*4,238*	*4,403*	*4,698*
Total messages received	48,784	51,392	52,784	56,545	61,481
of which:					
category I	*9,163*	*9,763*	*10,045*	*10,432*	*10,980*
category II	*5,054*	*5,061*	*5,085*	*5,166*	*5,490*
Domestic traffic	8,865	9,231	7,384	8,353	10,051
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Sweden

(end of year)

	2011	2012	2013	2014	2015
NASDAQ OMX Stockholm[1]					
Total number of participants	171	173	192	192	186
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	42	38	36	36	37
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of foreign participants	129	135	156	156	149
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*

(end of year)

	2011	2012	2013	2014	2015
NASDAQ OMX Stockholm[1]					
Total number of listed companies	5,649	6,227	8,822	8,456	11,407
debt securities	2,516	3,121	4,306	5,123	5,779

Table 3

Settlement media used by banks

(CHF billions, average for December) [1]

	2011	2012	2013	2014	2015
Transferable balances held at the central bank[2]	177.12	284.99	319.33	332.41	403.26
required reserves	*nap*	*nap*	*nap*	*nap*	*nap*
free reserves	*nap*	*nap*	*nap*	*nap*	*nap*
Transferable balances held at other banks	110.60	96.91	94.82	79.22	69.59
Memo:					
Credit extended by the central bank:					
intraday [3]	*5.36*	*2.25*	*1.86*	*1.55*	*1.63*
overnight	*nav*	*nav*	*nav*	*nav*	*nav*
longer refinancing operations (repos) [4]	*8.010*	*9.423*	*0*	*0.001*	*0*

[1] Except for transferable balances held at other banks, which are at end of year. [2] Includes only sight deposits that are held by banks at the central bank and that are eligible as minimum reserves. Excludes sight deposits at the central bank held by institutions that are not obliged to hold minimum reserves. Banks have to meet minimum reserve requirements, for which vault cash in CHF (banknotes and coin) and all their sight deposits at the central bank are allowable. Therefore, the distinction between required and free reserves is not meaningful. [3] Average daily utilisation of the intraday facility. [4] Average level outstanding at the end of the day. Includes repo transactions up to one year (including overnight repos).

Table 4

Banknotes and coin

(CHF millions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	58,561.12	64,703.93	68,720.85	70,606.56	75,943.33
Total banknotes issued	55,728.88	61,801.38	65,766.36	67,595.81	72,881.89
CHF 1,000	*33,275.21*	*37,420.80*	*40,033.91*	*40,536.11*	*45,213.28*
CHF 500 [1]	*119.65*	*115.40*	*111.77*	*108.38*	*104.79*
CHF 200	*7,973.54*	*8,839.88*	*9,526.92*	*10,152.68*	*10,428.91*
CHF 100	*9,810.31*	*10,635.83*	*11,210.02*	*11,750.49*	*12,076.75*
CHF 50	*2,287.71*	*2,427.37*	*2,488.30*	*2,587.63*	*2,582.60*
CHF 20	*1,565.09*	*1,643.58*	*1,666.39*	*1,714.86*	*1,721.76*
CHF 10	*697.47*	*718.63*	*729.17*	*745.76*	*753.93*
Total coin issued[2]	2,832.24	2,902.56	2,954.49	3,010.75	3,061.44
of which:					
CHF 5	*920.90*	*942.84*	*959.22*	*976.84*	*990.84*
CHF 2	*637.29*	*658.35*	*671.39*	*686.36*	*699.46*
CHF 1	*429.62*	*439.90*	*447.46*	*457.33*	*466.16*
CHF 0.50	*381.81*	*390.34*	*397.96*	*406.07*	*414.17*
CHF 0.20	*197.53*	*202.06*	*205.65*	*208.64*	*212.77*
CHF 0.10	*104.76*	*107.24*	*109.27*	*111.02*	*112.48*
CHF 0.05	*49.48*	*51.39*	*53.86*	*55.52*	*57.44*
CHF 0.01	*2.41*	*2.41*	*2.41*	*2.41*	*2.41*
Banknotes and coin held by banks	7,594.27	7,770.50	8,240.83	7,919.80	7,362.00
Banknotes and coin in circulation outside banks	50,966.85	56,933.43	60,480.02	62,686.76	68,581.30

[1] The CHF 500 banknotes were recalled as of 1 May 2000 and are thus no longer legal tender. However, they can be exchanged at the Swiss National Bank at full nominal value for 20 years from this recall date, ie until 30 April 2020. [2] Including commemorative coins in CHF 10, 20, 50, 100, 250 denominations.

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices[1]	8	8	8	8	8
Number of accounts, all (thousands)[2]	0.494	0.490	0.468	0.462	0.449
Value of accounts, all (CHF billions)[3]	215.45	368.44	362.54	386.27	467.71
Banks					
Number of institutions	312	297	283	275	266
Number of branches or offices	2,607	2,587	2,579	2,548	2,452
Number of accounts	nav	nav	nav	nav	nav
Value of accounts (CHF billions)[4]	232.63	264.27	332.19	321.32	325.90
All banks except private banks and branches of foreign banks					
Number of institutions	267	256	245	241	233
Number of branches or offices	2,525	2,522	2,525	2,499	2,406
Value of accounts (CHF billions)	220.92	249.51	315.28	317.54	321.34
Private banks					
Number of institutions	13	13	11	7	7
Number of branches or offices	40	27	19	10	10
Value of accounts (CHF billions)	10.33	13.01	14.81	1.91	1.66
Branches of foreign banks					
Number of institutions	32	28	27	27	26
Number of branches or offices	42	38	35	39	36
Value of accounts (CHF billions)	1.38	1.75	2.10	1.87	2.90
Other institutions offering payment services to non-banks[5]					
Number of institutions	1	1	nap	nap	nap
Number of branches or offices[6]	2,248	2,226	nap	nap	nap
Number of accounts (thousands)	4,212	4,549	nap	nap	nap
Value of accounts (CHF billions)[7]	88.10	99.16	nap	nap	nap
Institutions offering payment services to non-banks (total)					
Number of institutions	314	299	284	276	267
Number of branches or offices[6]	4,863	4,821	2,587	2,556	2,460
Number of accounts held by non-banks	nav	nav	nav	nav	nav
Value of accounts held by non-banks (CHF billions)	536.18	731.87	694.73	707.59	793.61
Memo:					
Electronic money institutions					
Number of institutions	1	1	1	nav	nav
Outstanding value on e-money storages issued by e-money institutions (CHF billions)[8]	0.016	0.016	0.012	0.560	0.540

[1] The Swiss National Bank (SNB) has two head offices (Berne and Zurich) and six representative offices (Basel, Geneva, Lausanne, Lucerne, Lugano and St Gallen). [2] Number of sight deposits of banks and non-banks held at the SNB. [3] Not included in the figure for M1 in Table 2. [4] 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. [5] PostFinance until 2012. Since mid-2013, PostFinance has held a banking license. As of 2013, data relating to PostFinance are reported under "Banks". [6] Up to 2012, this figure included post offices and agencies of Swiss Post that offered payment services on behalf of PostFinance. [7] Yearly average. [8] In 2014, the reporting population and the survey approach for e-money were adjusted, so that it is difficult to compare some of the data to those of previous years.

Table 6

Payment card functions and accepting devices[1]

(end of year)

	2011	2012	2013	2014	2015
Cards issued in the country (thousands)[2]					
Cards with a cash function[3]	14,052.7	14,622.8	15,238.0	nav	nav
Cards with a debit function	8,558.7	8,865.0	9,109.0	9,809.2	10,061.9
Cards with a credit function[4]	5,501.6	5,766.1	6,146.7	6,008.1	6,192.1
Cards with an e-money function[1, 5]	3,007.0	1,532.7	223.0	2,133.5	2,272.1
of which: cards with an e-money function which have been loaded at least once	*nav*	*nav*	*nav*	*nav*	*nav*
Total number of cards (irrespective of the number of functions on the card)[6]	14,118.1	14,688.3	15,299.6	17,950.8	18,526.0
of which: cards with a combined debit, cash and e-money function[7]	*2,949.2*	*1,475.5*	*179.1*	*nav*	*nav*
Memo:					
Retailer cards	nav	nav	nav	nav	nav
Terminals located in the country					
ATMs	6,659	6,759	6,820	6,813	6,966
ATMs with a cash withdrawal function	*6,659*	*6,759*	*6,820*	*6,813*	*6,966*
ATMs with a credit transfer function	*nav*	*nav*	*nav*	*nav*	*nav*
POS terminals	153,982	170,074	166,589	243,219	250,578
EFTPOS terminals	*153,982*	*170,074*	*166,589*	*243,219*	*250,578*
E-money card terminals[7]	20,547	20,560	20,515	nav	nav
e-money card loading/unloading terminals[7]	*6,659*	*6,759*	*6,820*	*nav*	*nav*
e-money card payment terminals[7]	*13,888*	*13,801*	*13,695*	*nav*	*nav*

[1] Between November 2014 and December 2014, the reporting population and the survey approach for debit cards, credit cards and e-money cards were adjusted, so that some data of 2015 may not be directly comparable with those of previous years. [2] The number of payment cards issued and active (ie not blocked or cancelled). [3] As of 2014, data are no longer collected, as most cards reported under debit cards, credit cards and e-money cards can be used for cash withdrawals. [4] Includes delayed debit cards/charge cards. [5] As of 2014 includes prepaid cards with multiple uses; also prepaid cards by international card schemes. [6] The number of credit, debit and e-money functions on cards issued in the country. [7] As of 2014 data are no longer

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions[1]
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[2]	753.08	928.00	950.31	961.28	976.01
paper-based	*nav*	*291.47*	*280.24*	*264.95*	*251.62*
non-paper-based	*nav*	*636.53*	*670.07*	*696.34*	*724.39*
Direct debits[2]	45.98	55.39	56.76	57.70	58.52
Card payments with cards issued in the country[3]	591.16	651.31	701.11	778.47	965.35
payments by cards with a debit function[3]	*400.85*	*435.57*	*460.88*	*508.76*	*668.90*
payments by cards with a credit function[4]	*190.31*	*215.74*	*240.23*	*269.71*	*296.45*
E-money payment transactions[5]	10.60	2.80	1.37	nav	22.50
by cards with an e-money function	*10.60*	*2.80*	*1.37*	*nav*	*22.50*
through other e-money storages	*nap*	*nap*	*nap*	*nap*	*nap*
Cheques[6]	0.33	0.27	0.21	nav	nav
Total number of transactions with payment instruments[3]	1,401.15	1,637.77	1,709.76	1,797.45	2,022.38
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	126.51	128.20	130.36	131.47	136.61
ATM cash withdrawals	*126.51*	*128.20*	*130.36*	*131.47*	*136.61*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions[3, 7]	539.68	587.00	626.02	694.20	864.08
E-money card loading/unloading transactions	0.59	0.19	0.09	nav	2.79
E-money card payment transactions[5]	10.60	2.80	1.37	nav	7.39
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	120.56	122.36	124.54	125.64	130.99
ATM cash withdrawals	*120.56*	*122.36*	*124.54*	*125.64*	*130.99*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions[3, 7]	492.66	537.56	571.95	636.03	812.61
E-money card loading/unloading transactions	0.59	0.19	0.09	nav	2.79
E-money card payment transactions[5]	10.60	2.80	1.37	nav	6.78

For the footnotes, see the end of the table.

Table 7 (cont)

	2011	2012	2013	2014	2015
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	5.96	5.83	5.82	5.83	5.63
ATM cash withdrawals	*5.96*	5.83	*5.82*	*5.83*	*5.63*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions[3, 7]	47.03	49.44	54.08	58.17	51.46
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions[5]	nap	nap	nap	nav	0.61
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	14.16	15.85	16.63	17.13	18.91
ATM cash withdrawals	*14.16*	*15.85*	*16.63*	*17.13*	*18.91*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions	98.50	113.74	129.17	142.43	152.74
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions[5]	nap	nap	nap	nav	15.72

[1] Between November 2014 and December 2014, the reporting population and the survey approach for debit cards, credit cards and e-money cards were adjusted, so that some data of 2015 may not be directly comparable with those of previous years. [2] Due to the change in the survey concept and reporting population for credit transfers and direct debits in Switzerland, data as of 2012 do not fully compare with those of previous years. [3] Debit card data reported in Red Book publications of 2013 and earlier included transactions where debit cards were used to authorise credit transfers. In 2014, data were retrospectively adjusted back to 2005 to include only debit card payments for goods and services. [4] Includes delayed debit cards/charge cards. [5] As of 2015, includes transactions of prepaid cards with multiple uses; also prepaid cards by international card schemes. [6] As of 2014, data on cheques are no longer collected, since this payment instrument has declined significantly in importance. [7] Includes

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions[1]
(CHF billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[2]	4,304.13	3,973.65	3,950.72	4,003.37	4,653.24
paper-based	*nav*	*650.62*	*585.74*	*566.74*	*892.16*
non-paper-based	*nav*	*3,323.04*	*3,364.98*	*3,436.64*	*3,761.08*
Direct debits[2]	71.75	82.57	85.41	85.05	81.83
Card payments with cards issued in the country[3]	60.61	64.12	67.04	70.59	79.16
payments by cards with a debit function[3]	*31.41*	*33.29*	*34.34*	*36.08*	*44.31*
payments by cards with a credit function[4]	*29.20*	*30.83*	*32.70*	*34.51*	*34.85*
E-money payment transactions[5]	0.05	0.01	0.01	nav	1.54
by cards with an e-money function	*0.05*	*0.01*	*0.01*	*nav*	*1.54*
through other e-money storages	*nap*	*nap*	*nap*	*nap*	*nap*
Cheques[6]	1.39	1.15	0.93	nav	nav
Total value of transactions with payment instruments[3]	4,437.93	4,121.50	4,104.11	4,159.01	4,815.77
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	27.27	27.39	27.78	28.07	30.64
ATM cash withdrawals	*27.27*	*27.39*	*27.78*	*28.07*	*30.64*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions[3, 7]	52.88	54.92	56.92	59.63	68.30
E-money card loading/unloading transactions	0.05	0.01	0.01	nav	2.02
E-money card payment transactions[5]	0.05	0.01	0.01	nav	0.52
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	25.99	26.13	26.54	26.83	29.47
ATM cash withdrawals	25.99	*26.13*	26.54	*26.83*	*29.47*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions[3, 7]	45.58	47.50	48.94	51.33	59.89
E-money card loading/unloading transactions	0.05	0.01	0.01	nav	2.02
E-money card payment transactions[5]	0.05	0.01	0.01	nav	0.42

For the footnotes, see the end of the table.

Table 8 (cont)

	2011	2012	2013	2014	2015
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	1.28	1.25	1.24	1.24	1.17
ATM cash withdrawals	*1.28*	*1.25*	*1.24*	*1.24*	*1.17*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions[3, 7]	7.29	7.41	7.98	8.33	8.42
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions[5]	nap	nap	nap	nav	0.10
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	3.79	4.25	4.45	4.47	4.93
ATM cash withdrawals	*3.79*	*4.25*	*4.45*	*4.47*	*4.93*
ATM cash deposits	*nap*	*nap*	*nap*	*nap*	*nap*
POS payment transactions	15.03	16.61	18.10	19.26	19.27
E-money card loading/unloading transactions	nap	nap	nap	nap	nap
E-money card payment transactions[5]	nap	nap	nap	nav	1.12

[1] Between November 2014 and December 2014, the reporting population and the survey approach for debit cards, credit cards and e-money cards were adjusted, so that some data of 2015 may not be directly comparable with those of previous years. [2] Due to the change in the survey concept and reporting population for credit transfers and direct debits in Switzerland, data as of 2012 do not fully compare with those of previous years. [3] Debit card data reported in Red Book publications of 2013 and earlier included transactions where debit cards were used to authorise credit transfers. In 2014 data was retrospectively adjusted back to 2005 to include only debit card payments for goods and services. [4] Includes delayed debit cards/charge cards. [5] As of 2015, includes transactions of prepaid cards with multiple uses; also prepaid cards by international card schemes. [6] As of 2014, data on cheques are no longer collected, since this payment instrument has declined significantly in importance. [7] Includes debit and credit card payments performed at any kind of point of sale also in card-not-present environments (eg e-commerce).

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Swiss Interbank Clearing (SIC)					
Number of participants	380	378	368	358	350
Direct participants	380	378	368	358	350
Banks	362	358	348	339	332
Central bank	1	1	1	1	1
Other direct participants	17	19	19	18	17
General government	*1*	*1*	*1*	*1*	*1*
Postal institution [1]	*1*	*1*	*0*	*0*	*0*
Clearing and settlement organisations	*1*	*3*	*3*	*3*	*4*
Other financial institutions	*0*	*0*	*0*	*0*	*0*
Other [2]	*14*	*14*	*15*	*14*	*12*

[1] PostFinance until 2012. Since mid-2013, PostFinance has held a banking license. As of 2013, data relating to PostFinance are reported under "Banks". [2] From 2010, includes insurance companies. The revised access policy grants insurance companies direct access to SIC as of January 2010 provided they meet the required criteria.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions

(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value and retail payment systems					
Swiss Interbank Clearing (SIC)	402.48	410.18	419.95	428.82	440.82
of which:					
payments on data carrier or file transfer	*nap*	*nap*	*nap*	*nap*	*nap*
cheques	*nap*	*nap*	*nap*	*nap*	*nap*
Concentration ratio in terms of volume (%)	61.8	62.3	61.8	61.8	61.5

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(CHF billions, total for the year)

	2011	2012	2013	2014	2015
Large-value and retail payment systems					
Swiss Interbank Clearing (SIC)[1]	37,879.0	30,243.6	31,945.1	29,752.1	38,889.3
of which:					
payments on data carrier or file transfer	*nap*	*nap*	*nap*	*nap*	*nap*
cheques	*nap*	*nap*	*nap*	*nap*	*nap*
Concentration ratio in terms of value (%)[2]	64.9	66.6	64.1	66.1	64.2

[1] The values from 2008 onwards are calculated without the beginning-of-day deposit transfers from SIC participants' sight deposit accounts at the SNB to their settlement accounts in SIC and are, thus, not comparable with the figures previously reported. [2] Due to a change in the calculation method for the value of the transactions in the SIC, the figures for the concentration ratio are estimates from 2008 onwards.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	97	95	95	93	97
of which: live	*97*	*95*	*95*	*93*	*97*
Sub-members	80	76	71	71	72
of which: live	*78*	*75*	*70*	*70*	*71*
Participants	162	166	179	188	180
of which: live	*152*	*156*	*169*	*177*	*174*
Total users	339	337	345	352	349
of which: live	*327*	*326*	*334*	*340*	*342*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	131,871	132,781	148,514	164,167	167,089
of which:					
category I	*18,539*	*19,643*	*19,631*	*20,987*	*24,240*
category II	*7,679*	*7,058*	*7,153*	*7,042*	*7,461*
Total messages received	153,199	162,436	186,090	209,742	219,688
of which:					
category I	*13,824*	*14,338*	*14,707*	*14,973*	*15,949*
category II	*5,581*	*5,270*	*5,677*	*5,996*	*5,929*
Domestic traffic	33,270	34,255	38,566	43,598	44,135
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
SIX Swiss Exchange					
Total number of participants	127	119	108	107	105
banks[1]	*127*	*119*	*108*	*107*	*105*
Number of domestic participants[2]	58	57	53	52	52
banks[1]	*58*	*57*	*53*	*52*	*52*
Number of foreign participants	69	62	55	55	53
banks[1]	*69*	*62*	*55*	*55*	*53*

[1] Includes banks and securities dealers. [2] Participants are considered domestic if the legal entity is incorporated in Switzerland and regulated by FINMA (Swiss Financial Market Supervisory Authority).

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
SIX Swiss Exchange[1]					
Total number of listed securities	37,375	35,186	37,373	34,941	35,081
debt securities	1,574	1,629	1,672	1,756	1,788
bonds	*1,574*	*1,629*	*1,672*	*1,756*	*1,788*
equity	296	283	288	289	278
other	35,505	33,274	35,413	32,896	33,015

[1] Some of the securities listed at SIX Swiss Exchange are traded on Scoach Switzerland.

Table 16

Market capitalisation of listed companies

(CHF billions, end of year)

	2011	2012	2013	2014	2015
SIX Swiss Exchange					
Total market capitalisation/equity[1]	1,018.8	1,129.1	1,370.3	1,485.9	1,505.3

[1] Market capitalisation encompasses all listed Swiss domestic equities, no free float weighting.

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
SIX Swiss Exchange					
Total number of executed securities trades	38,640.2	30,655.5	33,629.6	38,025.6	50,677.0
debt securities	544.0	563.7	525.0	526.4	489.7
bonds	*544.0*	*563.7*	*525.0*	*526.4*	*489.7*
equity	36,952.7	29,110.9	31,919.2	36,366.1	48,854.3
other	1,143.4	980.9	1,185.4	1,133.1	1,333.0
Total number of executed derivatives trades	1,380.2	894.1	862.2	806.7	866.3
financial futures	*0*	*0*	*0*	*0*	*0*
financial options	*0*	*0*	*0*	*0*	*0*
other financial derivatives	*1,380.2*	*894.1*	*862.2*	*806.7*	*866.3*

Table 18

Value of executed trades

(CHF billions, total for the year)

	2011	2012	2013	2014	2015
SIX Swiss Exchange					
Total value of executed securities trades	1,109.49	860.69	974.11	1,121.32	1,345.60
debt securities	175.66	187.07	166.78	178.94	188.25
bonds	*175.66*	*187.07*	*166.78*	*178.94*	*188.25*
equity	826.05	590.72	709.74	844.83	1,052.99
other	107.78	82.89	97.59	97.56	104.37
Total value of executed derivatives trades	51.76	31.89	30.33	26.83	26.90
financial futures	*0*	*0*	*0*	*0*	*0*
financial options	*0*	*0*	*0*	*0*	*0*
other financial derivatives	*51.76*	*31.89*	*30.33*	*26.83*	*26.90*

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
SIX x-clear[1]					
Total number of clearing members	71	70	70	68	66
banks	*71*	*70*	*70*	*68*	*66*
Number of domestic clearing members[1]	49	52	50	49	49
banks	*49*	*52*	*50*	*49*	*49*
Number of foreign clearing members	22	18	20	19	17
banks	*22*	*18*	*20*	*19*	*17*

[1] Clearing members are considered domestic if the legal entity is incorporated in Switzerland and regulated by the FINMA (Swiss Financial Market Supervisory Authority).

Table 20

Number of contracts and transactions cleared

(thousands, total for the year)

	2011	2012	2013	2014	2015
SIX x-clear[1, 2]					
Total number of contracts and transactions cleared	101,600	183,046	241,643	315,362	399,493
Number of securities transactions cleared	101,600	183,046	241,643	315,362	399,357
debt securities	833	877	832	841	778
bonds	*833*	*877*	*832*	*841*	*778*
equity	100,767	182,169	240,811	314,521	398,569
other[3]	0	0	0	0	11
of which: number of repurchase transactions cleared	*0*	*0*	*0*	*0*	*0*
Number of exchange-traded derivatives contracts cleared	0	0	0	0	nav
Number of OTC derivatives contracts cleared	0	0	0	0	nav

[1] Transactions cleared between SIX x-clear and LCH.Clearnet Ltd are counted half. [2] Due to legal integration of Oslo Clearing ASA into SIX x-clear, as of 1 May 2015 includes data of Oslo Clearing ASA (since then called SIX x-clear Norwegian Branch). [3] Includes clearing of securities lending and borrowing transactions.

Table 21

Value of contracts and transactions cleared

(CHF billions, total for the year)

	2011	2012	2013	2014	2015
SIX x-clear[1, 2]					
Total value of contracts and transactions cleared	1,731.1	1,954.0	2,302.2	2,879.1	3,328.1
Value of securities transactions cleared	1,731.1	1,954.0	2,302.2	2,879.1	3,328.1
debt securities	90.0	145.2	127.2	133.9	129.1
bonds	*90.0*	*145.2*	*127.2*	*133.9*	*129.1*
equity	1,641.2	1,808.8	2,175.0	2,745.2	3,198.9
other[3]	0	0	0	0	nav
of which: value of repurchase transactions cleared	*0*	*0*	*0*	*0*	*0*
Value of exchange-traded derivatives contracts cleared	0	0	0	0	nav
Value of OTC derivatives contracts cleared	0	0	0	0	nav

[1] Transactions cleared between SIX x-clear and LCH.Clearnet Ltd are counted half. [2] Due to legal integration of Oslo Clearing ASA into SIX x-clear, as of 1 May 2015 includes data of Oslo Clearing ASA (since then called SIX x-clear Norwegian Branch). [3] Includes clearing of securities lending and borrowing transactions.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
SIX SIS					
Total number of participants	417	375	367	354	342
central bank	*nav*	*nav*	*nav*	*nav*	*nav*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*nav*	*nav*
central securities depositories	*nav*	*nav*	*nav*	*nav*	*nav*
banks	*nav*	*nav*	*nav*	*nav*	*nav*
other	*nav*	*nav*	*nav*	*nav*	*nav*
Number of domestic participants	nav	nav	nav	nav	nav
Number of foreign participants	nav	nav	nav	nav	nav

Table 23

Number of securities held on accounts at CSDs

(thousands, end of year)

	2011	2012	2013	2014	2015
SIX SIS					
Total number of securities held	237.60	254.20	285.46	296.35	325.56
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
Swiss and Principality of Liechtenstein ISIN					
Total number of securities held	82.12	61.75	65.48	70.69	79.91
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
Non-Swiss or Principality of Liechtenstein ISIN					
Total number of securities held	155.47	189.72	219.99	225.66	245.65
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav

Switzerland

(CHF billions, end of year)

	2011	2012	2013	2014	2015
SIX SIS					
Total value of securities held	2,554.9	2,687.5	2,892.3	3,203.4	3,135.9
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
Swiss and Principality of Liechtenstein ISIN					
Total value of securities held	1,902.0	2,011.1	2,185.3	2,412.4	2,351.1
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
Non-Swiss or Principality of Liechtenstein ISIN					
Total value of securities held	653.1	676.4	707.0	791.0	784.8
debt securities	nav	nav	nav	nav	nav
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav

(thousands, total for the year)

	2011	2012	2013	2W n BT /6(7%)n

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	nav	14.93	229.53	266.61	315.24
paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
non-paper-based	*nav*	*14.93*	*229.53*	*266.61*	*315.24*
Direct debits	nap	nap	nap	nap	nap
Card payments with cards issued in the country[1]	2,489.96	2,864.61	3,214.24	3,459.10	3,827.72
payments by cards with a debit function	*308.37*	*437.36*	*574.15*	*719.69*	*879.76*
payments by cards with a credit function[1]	*2,181.60*	*2,427.25*	*2,640.09*	*2,739.41*	*2,947.97*
E-money payment transactions	nav	nav	nav	nav	nav
Cheques	18.21	18.48	17.19	17.39	16.93
Other payment instruments	nap	nap	nap	nap	nap
Total number of transactions with payment instruments[1]	2,508.17	2,898.02	3,460.96	3,743.10	4,159.89
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions	867.31	970.89	1,036.41	1,108.97	1,193.82
ATM cash withdrawals	*867.31*	*970.89*	*1,036.41*	*1,108.97*	*1,193.82*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	2,479.39	2,851.68	3,192.70	3,440.27	3,810.26
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	855.00	957.11	1,021.07	1,091.51	1,174.14
ATM cash withdrawals	*855.00*	*957.11*	*1,021.07*	*1,091.51*	*1,174.14*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	2,460.99	2,829.33	3,165.54	3,403.65	3,766.43
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	12.31	13.78	15.34	17.46	19.68
ATM cash withdrawals	*12.31*	13.78	*15.34*	*17.46*	*19.68*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	18.40	22.35	27.16	36.62	43.82
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	3.12	3.61	3.78	3.50	3.86
ATM cash withdrawals	*3.12*	*3.61*	*3.78*	*3.50*	*3.86*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	28.97	35.28	48.71	55.45	61.29
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions

(TRY billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers	nav	382.64	5,689.87	6,629.89	7,603.13
paper-based	*nav*	*nav*	*nav*	*nav*	*nav*
non-paper-based	*nav*	*382.64*	*5,689.87*	*6,629.89*	*7,603.13*
Direct debits	nap	nap	nap	nap	nap
Card payments with cards issued in the country[1]	275.49	346.09	408.73	459.22	525.91
payments by cards with a debit function	*11.99*	*16.34*	*22.16*	*29.38*	*37.53*
payments by cards with a credit function [1]	*263.50*	*329.75*	*386.57*	*429.84*	*488.37*
E-money payment transactions	nav	nav	nav	nav	nav
Cheques	275.41	316.76	349.85	403.92	442.74
Other payment instruments	nap	nap	nap	nap	nap
Total value of transactions with payment instruments[1]	550.89	1,045.49	6,448.46	7,493.03	8,571.77
of which: cross-border transactions sent	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal[1]					
Total transactions at terminals in the country					
Cash transactions	274.29	330.80	384.48	441.52	509.67
ATM cash withdrawals	*274.29*	*330.80*	*384.48*	*441.52*	*509.67*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	278.67	349.80	413.30	466.70	533.90
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions	269.56	325.13	377.74	432.07	499.69
ATM cash withdrawals	269.56	*325.13*	377.74	*432.07*	*499.69*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	270.32	340.09	401.14	450.12	514.56
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	4.74	5.66	6.74	9.44	9.98
ATM cash withdrawals	*4.74*	*5.66*	*6.74*	*9.44*	*9.98*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	8.35	9.71	12.17	16.59	19.34
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions	0.89	1.15	1.27	1.27	1.52
ATM cash withdrawals	*0.89*	*1.15*	*1.27*	*1.27*	*1.52*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions	5.17	6.00	7.59	9.10	11.35
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav

[1] Data have been revised by the Interbank Card Center.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
EFT[1]					
Number of participants	47	48	49	49	52
Direct participants	47	48	49	49	52
Banks	46	47	48	48	51
Central bank	1	1	1	1	1
Indirect participants	nap	nap	nap	nap	nap
Retail payment systems					
EFT[1]					
Number of participants	nav	48	49	49	52
Direct participants	nav	48	49	49	52
Banks	nav	47	48	48	51
Central bank	nav	1	1	1	1
Indirect participants	nap	nap	nap	nap	nap
Garanti Payment Systems					
Number of participants	7	9	9	10	10
Direct participants	7	9	9	10	10
Banks	7	9	9	10	10
Interbank Card Center					
Number of participants	27	27	28	27	29
Direct participants	27	27	28	27	29
Banks	26	27	28	27	29
Other direct participants	1	0	0	0	0
Other	1	0	0	0	0
Interbank Clearing House[2]					
Number of participants	40	41	41	41	42
Direct participants	40	41	41	41	42
Banks	39	40	40	40	41
Central bank	1	1	1	1	1

[1] EFT (Electronic Funds Transfer) system is the RTGS system operated by the CBRT. It encompasses both a customer payment system and a banking payment system. These two systems were separated in December 2012. [2] Interbank Clearing House is responsible for cheque clearing in Turkey.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
EFT[1]					
Total transactions sent	166.69	182.18	2.95	2.85	2.92
Concentration ratio in terms of volume (%)	58.4	55.5	66.3	61.6	60.7
Retail payment systems					
EFT[1]					
Total transactions sent	nav	14.93	229.53	266.61	315.24
credit transfers	*nav*	*14.93*	*229.53*	*266.61*	*315.24*
Concentration ratio in terms of volume (%)	nav	nav	55.2	54.0	54.6
Garanti Payment Systems					
Total transactions sent	44.25	57.45	70.13	83.19	95.93
card payments	*44.25*	*57.45*	*70.13*	*83.19*	*95.93*
Concentration ratio in terms of volume (%)	96.1	95.7	94.9	95.0	95.5
Interbank Card Center					
Total transactions sent	1,221.93	1,459.10	1,653.99	1,838.85	2,053.97
card payments	*1,189.51*	*1,427.31*	*1,622.81*	*1,806.62*	*2,018.43*
ATM transactions	*32.42*	*31.80*	*31.18*	*32.23*	*35.54*
Concentration ratio in terms of volume (%)	63.5	61.8	60.4	61.2	61.2
Interbank Clearing House[2]					
Total transactions sent	18.21	18.48	17.19	17.39	16.93
cheques	*18.21*	*18.48*	*17.19*	*17.39*	*16.93*
Concentration ratio in terms of volume (%)	54.6	56.2	52.1	51.8	52.8

[1] EFT (Electronic Funds Transfer) system is the RTGS system operated by the CBRT. It encompasses both a customer payment system and a banking payment system. These two systems were separated in December 2012. [2] Interbank Clearing House is responsible for cheque clearing in Turkey.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(TRY billions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
EFT[1]					
Total transactions sent	39,311.780	32,703.353	34,556.322	40,072.549	42,729.618
Concentration ratio in terms of value (%)	67.5	56.3	45.6	44.7	44.5
Retail payment systems					
EFT[1]					
Total transactions sent	nav	382.642	5,689.873	6,629.891	7,603.130
credit transfers	*nav*	*382.642*	*5,689.873*	*6,629.891*	*7,603.130*
Concentration ratio in terms of value (%)	nav	nav	36.9	37.7	38.1
Garanti Payment Systems					
Total transactions sent	6.010	8.503	13.204	15.843	19.075
card payments	*6.010*	*8.503*	*13.204*	*15.843*	*19.075*
Concentration ratio in terms of value (%)	96.1	95.5	95.0	94.5	95.3
Interbank Card Center					
Total transactions sent	135.978	168.792	188.966	218.625	242.414
card payments	*129.905*	*162.291*	*182.510*	*211.528*	*234.184*
ATM transactions	*6.072*	*6.501*	*6.456*	*7.096*	*8.230*
Concentration ratio in terms of value (%)	66.2	65.6	63.3	62.6	62.1
Interbank Clearing House[2]					
Total transactions sent	275.405	316.760	349.853	403.915	442.739
cheques	*275.405*	*316.760*	*349.853*	*403.915*	*442.739*
Concentration ratio in terms of value (%)	53.1	52.2	51.9	52.8	54.4

[1] EFT (Electronic Funds Transfer) system is the RTGS system operated by the CBRT. It encompasses both a customer payment system and a banking payment system. These two systems were separated in December 2012. [2] Interbank Clearing House is responsible for cheque clearing in Turkey.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	28	29	29	30	30
of which: live	*28*	*29*	*29*	*30*	*30*
Sub-members	16	17	18	17	18
of which: live	*16*	*16*	*17*	*16*	*17*
Participants	11	11	11	11	12
of which: live	*11*	*11*	*11*	*11*	*12*
Total users	55	57	58	58	60
of which: live	*55*	*56*	*57*	*57*	*59*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	22,974	26,631	31,779	37,698	44,838
of which:					
category I	*5,211*	*5,668*	*6,120*	*6,724*	*7,103*
category II	*2,478*	*2,725*	*2,867*	*3,098*	*3,312*
Total messages received	21,022	22,587	26,083	28,836	32,804
of which:					
category I	*6,826*	*7,509*	*8,133*	*8,708*	*9,109*
category II	*2,163*	*2,377*	*2,878*	*3,382*	*3,362*
Domestic traffic	3,963	4,066	4,975	5,487	6,618
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems
(end of year)

	2011	2012	2013	2014	2015
Borsa İstanbul[1]					
Total number of participants	143	140	213	214	211
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*1*	*1*
banks	*40*	*40*	*44*	*44*	*44*
other	*102*	*99*	*168*	*168*	*165*
Number of domestic participants	143	140	213	214	211
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*1*	*1*
banks	*40*	*40*	*44*	*44*	*44*
other	*102*	*99*	*168*	*168*	*165*
Number of foreign participants	0	0	0	0	0
Turkish Derivatives Exchange[1]					
Total number of participants	99	101	nap	nap	nap
central bank	*0*	*0*	*nap*	*nap*	*nap*
central counterparties (CCPs)[2]	*1*	*1*	*nap*	*nap*	*nap*
banks	*18*	*18*	*nap*	*nap*	*nap*
other	*81*	*83*	*nap*	*nap*	*nap*
Number of domestic participants	99	101	nap	nap	nap
central bank	*0*	*0*	*nap*	*nap*	*nap*
central counterparties (CCPs)[2]	*1*	*1*	*nap*	*nap*	*nap*
banks	*18*	*18*	*nap*	*nap*	*nap*
other	*81*	*83*	*nap*	*nap*	*nap*
Number of foreign participants	0	0	nap	nap	nap

[1] Istanbul Stock Exchange merged with Turkish Derivatives Exchange and changed its name to Borsa İstanbul in April 2013. [2] Number of central counterparties is not included in total number of participants.

Table 15

Number of listed securities

(end of year)

	2011	2012	2013	2014	2015
Borsa İstanbul[1]					
Total number of listed securities	929	1,142	2,090	2,481	2,620
debt securities	554	717	906	1,008	1,100
short-term paper	*49*	*109*	*341*	*213*	*209*
bonds	*505*	*608*	*565*	*795*	*891*
equity[2]	375	422	438	437	428
other[3]	0	3	746	1,036	1,092
Turkish Derivatives Exchange[1]					
Total number of listed securities	15	15	nap	nap	nap
debt securities	0	0	nap	nap	nap
equity	0	0	nap	nap	nap
other[4]	15	15	nap	nap	nap

[1] Istanbul Stock Exchange merged with Turkish Derivatives Exchange and changed its name to Borsa İstanbul in April 2013. [2] Includes Emerging Companies Market and Free Trade Platform since 2011 and 2012, respectively. [3] Sukuks, futures and options. [4] Futures contracts, number of underlying assets.

Table 16

Market capitalisation of listed companies

(TRY billions, end of year)

	2011	2012	2013	2014	2015
Borsa İstanbul[1]					
Total market capitalisation/equity[2]	381.26	552.90	505.91	627.37	554.88
Turkish Derivatives Exchange[1]					
Total market capitalisation/equity	nap	nap	nap	nap	nap

[1] Istanbul Stock Exchange merged with Turkish Derivatives Exchange and changed its name to Borsa İstanbul in April 2013. [2] Includes Emerging Companies Market and Free Trade Platform since 2011 and 2012, respectively.

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
Borsa İstanbul[1]					
Total number of executed securities trades	103,216.39	80,081.09	80,582.89	83,883.22	97,537.85
debt securities	361.48	272.64	283.16	240.71	234.04
short-term paper	*4.06*	*5.47*	*6.15*	*5.01*	*4.79*
bonds[2]	*357.42*	*267.17*	*277.02*	*235.70*	*229.24*
equity[3]	102,854.90	79,808.34	80,298.29	83,639.56	97,300.11
other[4]	0	0.11	1.44	2.95	3.70
Total number of executed derivatives trades[5]	0	0.47	6,633.34	7,717.30	9,285.59
financial futures	*0*	*0.32*	*6,471.43*	*7,612.69*	*9,158*
financial options	*0*	*0.14*	*1.98*	*3.51*	*26.34*
commodity futures	*0*	*0*	*159.92*	*101.10*	*101.68*
Turkish Derivatives Exchange[1]					
Total number of executed securities trades	nap	nap	nap	nap	nap
Total number of executed derivatives trades	74,287.63	62,474.46	nap	nap	nap
financial futures	*73,526.36*	*61,077.39*	*nap*	*nap*	*nap*
commodity futures	*761.27*	*1,397.07*	*nap*	*nap*	*nap*

[1] Istanbul Stock Exchange merged with Turkish Derivatives Exchange and changed its name to Borsa İstanbul in April 2013. [2] Includes foreign capital market instruments. [3] Includes Emerging Companies Market and Free Trade Platform since 2011 and 2012, respectively. [4] Sukuks. [5] Futures and options market transactions commenced in 2012.

Table 18

Value of executed trades

(TRY billions, total for the year)

	2011	2012	2013	2014	2015
Borsa İstanbul[1]					
Total value of executed securities trades[2]	1,173.79	981.15	1,221.21	1,193.15	1,276.26
debt securities	478.45	357.79	403.68	319.08	249.05
short-term paper	*4.93*	*5.03*	*5.16*	*4.69*	*5.45*
bonds[2]	*473.52*	*352.76*	*398.52*	*314.40*	*243.60*
equity[3]	695.34	623.33	816.86	872.93	1,025.87
other[4]	0	0.04	0.67	1.13	1.34
Total value of executed derivatives trades[5]	0	0.01	416.61	435.72	575.01
financial futures	*0*	*0.01*	*411.74*	*432.74*	*565.68*
financial options	*0*	*0.00*	*0.12*	*1.11*	*7.56*
commodity futures	*0*	*0*	*4.75*	*1.87*	*1.76*
Turkish Derivatives Exchange[1]					
Total value of executed securities trades	nap	nap	nap	nap	nap
Total value of executed derivatives trades	439.80	403.93	nap	nap	nap
financial futures	*436.52*	*399.40*	*nap*	*nap*	*nap*
commodity futures	*3.28*	*4.54*	*nap*	*nap*	*nap*

[1] Istanbul Stock Exchange merged with Turkish Derivatives Exchange and changed its name to Borsa İstanbul in April 2013. [2] Includes foreign capital market instruments. [3] Includes Emerging Companies Market and Free Trade Platform since 2011 and 2012, respectively. [4] Sukuks. [5] Futures and options market transactions commenced in 2012.

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
Takasbank					
Total number of clearing members	127	125	123	121	118
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*39*	*40*	*41*	*43*	*43*
other [1]	*87*	*84*	*81*	*77*	*74*
Number of domestic clearing members	127	125	123	121	118
central bank	*1*	*1*	*1*	*1*	*1*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*39*	*40*	*41*	*43*	*43*
other [1]	*87*	*84*	*81*	*77*	*74*
Number of foreign clearing members	0	0	0	0	0

[1] Brokerage houses operating on Borsa İstanbul.

Table 20

Number of contracts and transactions cleared

(thousands, total for the year)

	2011	2012	2013	2014	2015
Takasbank					
Total number of contracts and transactions cleared	177,949.4	156,080.3	132,673.6	143,615.5	187,842.2
Number of securities transactions cleared	103,661.8	80,191.0	79,852.8	85,015.3	98,975.6
debt securities[1]	1,113.5	1,326.2	1,308.1	1,375.7	1,675.5
bonds	*4.6*	*8.7*	*12.5*	*13.9*	*14.0*
government bonds	*1,108.9*	*1,317.5*	*1,295.6*	*1,361.8*	*1,661.5*
equity	102,548.4	78,864.8	78,544.7	83,639.6	97,300.1
other[2]	nav	nav	nav	nav	nav
of which: number of repurchase transactions cleared [3]	*765.5*	*1,065.2*	*1,039.4*	*1,149.2*	*1,456.9*
debt securities	*765.5*	*1,065.2*	*1,039.4*	*1,149.2*	*1,456.9*
bonds	*0.2*	*0.0*	*0.2*	*0.7*	*1.7*
government bonds	*765.3*	*1,065.2*	*1,039.2*	*1,148.5*	*1,455.2*
Number of exchange-traded derivatives contracts cleared[4]	74,287.6	75,889.3	52,820.8	58,600.3	88,866.6
financial futures	*73,526.4*	*74,484.4*	*51,039.1*	*56,899.3*	*85,018.5*
financial options	*nap*	*7.8*	*54.4*	*208.9*	*2,437.4*
commodity futures	*761.2*	*1,396.1*	*1,727.2*	*1,492.0*	*1,404.6*
commodity options	*nap*	*nap*	*nap*	*nap*	*nap*
other commodity derivatives	*0.0*	*0.9*	*0.1*	*0.0*	*6.1*
Number of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

[1] Number of outright transactions cleared includes treasury and corporate lease certificates (sukuk) from October 2012. [2] The number of ETFs is counted within "equities"; at present, statistics for ETF contracts cannot be separated from those for equities contracts. [3] Government bonds and corporate securities (since 17 December 2010). [4] Borsa Istanbul Futures and Options Market started operations as of 21 December 2012.

Table 21

Value of contracts and transactions cleared

(TRY billions, total for the year)

	2011	2012	2013	2014	2015
Takasbank					
Total value of contracts and transactions cleared	5,031.522	7,412.082	7,731.678	8,579.018	11,444.199
Value of securities transactions cleared	4,591.723	7,008.134	7,318.931	8,148.927	10,882.737
debt securities[1]	3,896.847	6,386.155	6,504.272	7,275.996	9,856.863
bonds	*2.597*	*5.417*	*8.171*	*11.982*	*11.905*
government bonds	*3,894.250*	*6,380.738*	*6,496.102*	*7,264.013*	*9,844.958*
equity	694.876	621.979	814.659	872.931	1,025.874
other[2]	nav	nav	nav	nav	nav
of which: value of repurchase transactions cleared[3]	*3,438.487*	*6,042.741*	*6,117.842*	*6,972.226*	*9,625.836*
debt securities	*3,438.487*	*6,042.741*	*6,117.842*	*6,972.226*	*9,625.836*
bonds	*0.098*	*0.002*	*0.510*	*3.952*	*5.201*
government bonds	*3,438.388*	*6,042.738*	*6,117.332*	*6,968.275*	*9,620.634*
Value of exchange-traded derivatives contracts cleared[4]	439.799	403.948	412.746	430.091	561.462
financial futures	*436.518*	*399.407*	*408.041*	*428.252*	*559.775*
financial options	*nap*	*0.005*	*0.003*	*0.014*	*0.007*
commodity futures	*3.278*	*4.524*	*4.702*	*1.825*	*1.405*
other commodity derivatives	*0.003*	*0.013*	*0.001*	*0.000*	*0.275*
Value of OTC derivatives contracts cleared	nap	nap	nap	nap	nap

[1] The value of outright transactions cleared includes treasury and corporate lease certificates (sukuk) from October 2012. [2] The value of ETFs is counted within "equities"; at present, statistics for ETF contracts cannot be separated from those for equities contracts. [3] Government bonds and corporate securities (from 17 December 2010). [4] Borsa Istanbul Futures and Options Market started operations as of 21 December 2012.

Table 22

Number of direct participants in CSDs

(end of year)

	2011	2012	2013	2014	2015
Takasbank					
Total number of participants[1]	828	1051	1048	1015	1022
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*58*	*59*	*58*	*58*	*53*
other	*770*	*992*	*990*	*957*	*969*
Number of domestic participants	827	1049	1046	1013	1021
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*57*	*57*	*56*	*56*	*52*
other[2]	*770*	*992*	*990*	*957*	*969*
Number of foreign participants[3]	1	2	2	2	1
banks	*1*	*2*	*2*	*2*	*1*

For the footnotes, see the end of the table.

Table 22 (cont)

	2011	2012	2013	2014	2015
Central Securities Depository					
Total number of participants	540	601	657	672	678
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories [4]	*1*	*1*	*1*	*1*	*1*
banks	*45*	*46*	*46*	*46*	*45*
other	*494*	*554*	*610*	*625*	*632*
Number of domestic participants	537	596	652	667	674
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories [4]	*1*	*1*	*1*	*1*	*1*
banks	*43*	*43*	*43*	*43*	*43*
other	*493*	*552*	*608*	*623*	*630*
Number of foreign participants	3	5	5	5	4
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
central securities depositories	*0*	*0*	*0*	*0*	*0*
banks	*2*	*3*	*3*	*3*	*2*
other	*1*	*2*	*2*	*2*	*2*
ESTS[5]					
Total number of participants	47	49	50	51	54
central bank	*1*	*1*	*1*	*1*	*1*
central securities depositories	*nap*	*1*	*1*	*1*	*1*
banks	*46*	*47*	*48*	*49*	*52*
Number of domestic participants	47	49	50	51	54
central bank	*1*	*1*	*1*	*1*	*1*
central securities depositories	*nap*	*1*	*1*	*1*	*1*
banks	*46*	*47*	*48*	*49*	*52*
Number of foreign participants	0	0	0	0	0

[1] Takasbank is the official custodian for non-fungible stocks, private pension fund unit shares on a beneficial owner basis, and collective

Table 1

Basic statistical data

	2011	2012	2013	2014	2015
Population (thousands)[1]	63,285	63,705	64,106	64,597	65,110
GDP (GBP billions)	1,628.3	1,675.0	1,739.6	1,822.5	1,869.3
GDP per capita (GBP)	25,729	26,294	27,136	28,213	28,710
Consumer price inflation (%)[1]	4.5	2.8	2.6	1.5	0.1
Exchange rate (GBP/USD):					
end of year	*0.6456*	*0.6185*	*0.6045*	*0.6416*	*0.6742*
average	*0.6238*	*0.6313*	*0.6397*	*0.6074*	*0.6543*

[1] Yearly average.

Table 2

Settlement media used by non-banks

(GBP billions, end of year)

	2011	2012	2013	2014	2015
Notes and coin in circulation outside banks	57.35	55.70	55.99	65.54	66.37
Value of transferable deposits	1,216.63	1,283.74	1,352.82	1,437.64	nav
Narrow money supply (M2)[1]	1,271.62	1,341.55	1,413.30	1,501.47	nav
Memo:					
Transferable deposits in foreign currencies	258.84	252.56	247.05	234.72	nav
Outstanding value on e-money storage[2]	nav	nav	nav	nav	nav

[1] Does not equal the sum of the two previous items. M2 consists of private sector holdings of notes and coin plus retail deposits. The latter include non-interest bearing deposits as well as deposits placed at advertised interest rates. [2] There is no fully operational electronic money scheme currently in place.

Table 3

Settlement media used by banks

(GBP billions, average of last reserve maintenance period)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	177.00	221.19	305.87	306.17	313.06
required reserves[1]	*2.39*	*2.38*	*4.08*	*4.10*	*4.14*
free reserves	*174.61*	*218.81*	*301.80*	*302.07*	*308.92*
Transferable balances held at other banks[2]	624.09	654.23	730.24	458.37	474.22
Memo:					
Credit extended by the central bank:[3]					
intraday	*22.77*	*30.46*	*nav*	*nav*	*nav*
overnight	*nav*	*nav*	*nav*	*nav*	*nav*
longer-term refinancing operations[4]	*6.16*	*5.35*	*0.01*	*0.76*	*nav*

[1] On 1 June 1998 a statutory scheme came into effect whereby both banks and building societies with average eligible liabilities of GBP 400 million or more are required to hold non-interest bearing deposits with the Bank of England of 0.15% of their eligible liabilities in excess of GBP 500 million. [2] Includes some time deposits. [3] Banks borrow from the Bank of England mainly through intraday and two-week repo transactions in gilts, Treasury bills and eligible euro securities. Funds obtained in this way may be used for payment purposes. [4] Although largely longer-term, also includes some overnight refinancing operations; a disaggregation is not possible.

Table 4

Banknotes and coin

(GBP billions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued[1, 2]	57.750	60.400	62.082	65.808	69.499
Total banknotes issued[2]	53.964	56.490	58.071	61.605	65.120
GBP 50	*10.362*	*10.313*	*11.223*	*11.732*	*12.983*
GBP 20	*34.491*	*36.552*	*37.626*	*40.282*	*42.116*
GBP 10	*7.510*	*7.992*	*7.597*	*7.908*	*8.304*
GBP 5	*1.601*	*1.633*	*1.625*	*1.683*	*1.718*
Total coin issued[3]	3.786	3.910	4.011	4.203	4.379
GBP 2	*0.738*	*0.786*	*0.832*	*0.895*	*0.957*
GBP 1	*1.496*	*1.528*	*1.553*	*1.617*	*1.671*
GBP 0.50	*0.433*	*0.460*	*0.474*	*0.498*	*0.526*
GBP 0.20	*0.526*	*0.541*	*0.553*	*0.580*	*0.601*
GBP 0.10	*0.160*	*0.160*	*0.163*	*0.167*	*0.171*
GBP 0.05	*0.188*	*0.191*	*0.192*	*0.199*	*0.204*
GBP 0.02	*0.133*	*0.132*	*0.131*	*0.133*	*0.134*
GBP 0.01	*0.113*	*0.113*	*0.113*	*0.114*	*0.114*
Banknotes and coin held by banks	5.716	5.486	4.587	6.822	5.208
Banknotes and coin in circulation outside banks	57.350	55.700	55.986	65.540	66.367

[1] Average of Wednesdays in December. [2] Bank of England banknotes only. [3] Estimated as at 31 December.

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank					
Number of branches or offices[1]	1	1	1	1	1
Number of accounts (thousands)	4.550	4.959	4.920	4.469	4.455
Value of accounts (GBP billions)	50.043	70.163	78.063	58.103	60.432
Memo:					
Number of accounts, all (thousands)	4.596	4.993	4.954	4.494	4.479
Banks					
Number of institutions	365	361	358	359	358
Number of branches or offices[2]	10,686	nav	nav	nav	nav
Number of accounts (thousands)[2, 3]	128,000	nav	nav	nav	nav
of which: number of internet/PC-linked accounts (thousands) [4]	44,800	nav	nav	nav	nav
Value of accounts (GBP billions)	2,813.6	3,210.2	3,280.8	3,345.0	3,349.0
Branches of domestic banks					
Number of institutions	204	203	203	200	201
Number of branches or offices	nav	nav	nav	nav	nav
Value of accounts (GBP billions)	2,023.6	2,370.7	2,456.4	2,517.9	2,570.7
Branches of foreign banks					
Number of institutions	161	158	155	159	157
Number of branches or offices	nav	nav	nav	nav	nav
Value of accounts (GBP billions)	790.0	839.5	824.4	827.1	778.3
Other institutions offering payment services to non-banks: Postal institution[5]					
Number of institutions	1	1	nav	nav	nav
Number of branches or offices	11,677	11,500	nav	nav	nav
Number of accounts	256,000	105,000	nav	nav	nav
Value of accounts (GBP billions)	1.486	0.520	nav	nav	nav
Institutions offering payment services to non-banks (total)					
Number of institutions[6]	367	363	359	360	359
Number of branches or offices[2]	22,364	nav	nav	nav	nav
Number of accounts held by non-banks (thousands)[2, 3]	128,261	nav	nav	nav	nav
of which: number of internet/PC-linked accounts (thousands) [4]	*44,800*	*nav*	*nav*	*nav*	*nav*
Value of accounts held by non-banks (GBP billions)	2,865.1	3,280.9	3,358.8	3,403.1	3,409.4
Memo:					
Electronic money institutions[7]					
Number of institutions	nav	nav	nav	nav	nav
Outstanding value on e-money storages issued by e-money institutions	nav	nav	nav	nav	nav

[1] The central bank also has two outlets for note issue and 12 regional agencies for economic intelligence gathering purposes. [2] Estimated figures. [3] Includes private sector ordinary share and deposit accounts with UK building societies and shares and deposits below GBP 50,000 from corporate bodies, placed with building societies. [4] Number of accounts associated with internet services (credit transfers, payment of bills, etc carried out via the internet). [5] National Savings and Investments (NS&I) Easy Access Accounts only. [6] Revised data: the previous issue involved double-counting. [7] There is no fully operational electronic money scheme currently in place.

Table 6

Payment card functions and accepting devices

(thousands, end of year)

	2011	2012	2013	2014	2015
Cards issued in the country					
Cards with a cash function	165,100	168,993	175,593	178,869	175,630
Cards with a debit function	86,325	88,553	95,689	95,663	98,804
Cards with a delayed debit function[1]	2,192	2,324	2,262	2,150	nav
Cards with a credit function[2]	54,483	56,443	55,362	56,927	58,973
Cards with an e-money function	nav	nav	nav	nav	nav
Total number of cards (irrespective of the number of functions on the card)[3]	165,100	168,993	175,593	178,869	175,630
of which: cards with a combined debit, cash and e-money function	*nav*	*nav*	*nav*	*nav*	*nav*
Memo:					
Retailer cards	nav	nav	nav	nav	nav
Terminals located in the country					
ATMs	64.4	66.1	68.0	69.4	70.3
ATMs with a cash withdrawal function	*64.4*	*66.1*	*68.0*	*69.4*	*70.3*
ATMs with a credit transfer function	*17.1*	*8.7*	*8.3*	*8.6*	*8.4*
POS terminals[4]	1,360.6	1,639.3	1,653.9	1,701.9	1,958.4
of which: EFTPOS terminals	*nav*	*nav*	*nav*	*nav*	*nav*
E-money card terminals[5]	nav	nav	nav	nav	nav

[1] Includes data for cards with a “credit and charge" facility. [2] MasterCard and Visa only. [3] Excludes any standalone e-money cards and retailer cards. [4] Estimate of total number of POS terminals in the United Kingdom. Most accept both credit and debit cards. [5] All major e-money trials in the United Kingdom finished by end-2000.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions[1]
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[2]	3,601.5	3,693.1	3,871.1	3,939.7	4,051.8
paper-based	*379.5*	*352.1*	*331.1*	*286.7*	*243.8*
non-paper-based	*3,222.0*	*3,341.0*	*3,540.0*	*3,653.0*	*3,808.0*
Direct debits	3,322.4	3,416.7	3,524.9	3,672.0	3,908.3
Card payments with cards issued in the country	9,901.0	10,546.0	11,608.0	13,010.0	14,601.0
payments by cards with a debit function[3]	*7,612.0*	*8,155.0*	*9,040.0*	*10,227.0*	*11,544.0*
payments by cards with a delayed debit	*363.0*	*368.0*	*374.0*	*381.0*	*370.0*
payments by cards with a credit function[3, 4]	*1,926.0*	*2,023.0*	*2,194.0*	*2,402.0*	*2,687.0*
E-money payment transactions	nav	nav	nav	nav	nav
Cheques[5]	970.0	848.0	718.0	644.0	558.0
Other payment instruments	nap	nap	nap	nap	nap
Total number of transactions with payment instruments[2]	17,794.9	18,503.8	19,722.0	21,265.7	23,119.1
of which: cross-border transactions sent	*469.0*	*693.0*	*941.0*	*1,493.0*	*1,937.0*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions[6]	2,874.0	2,915.0	2,899.0	2,830.0	2,797.0
ATM cash withdrawals	*2,874.0*	*2,915.0*	*2,899.0*	*2,830.0*	*2,797.0*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions[7]	9,521.0	10,292.0	10,864.0	12,082.0	12,662.0
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions[6]	2,874.0	2,915.0	2,899.0	2,830.0	2,797.0
ATM cash withdrawals	*2,874.0*	*2,915.0*	*2,899.0*	*2,830.0*	*2,797.0*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions[7]	9,434.0	9,853.0	10,668.0	11,518.0	12,662.0
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	nav	nav	nav	nav	nav
POS payment transactions[7]	87.0	439.0	196.0	564.0	nav
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions[6]	1.0	1.0	1.0	0	0
ATM cash withdrawals	*1.0*	*1.0*	*1.0*	*0*	*0*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions[7]	469.0	639.0	891.0	1,442.0	1,878.0
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav

[1] This table contains all customer transactions. It also, for a number of instruments, includes banks' own account transactions where these cannot be identified separately (see further footnotes). Includes Northern Ireland (estimated) and Scotland; also includes some data and/or estimates of inter-branch and in-house processed items. [2] Includes interbank payments settled in CHAPS; also includes inter-branch paper credit transfers plus some in-house automated transactions (including some transactions on banks' own accounts). [3] Customer transactions only. [4] Does not include data for cards with a "credit and charge" facility. These data are included in the "cards with a delayed debit function" category. [5] Includes inter-branch cheques and estimates of in-house processed cheques; also includes some own account items. [6] Includes all ATM transactions; a further breakdown is not available. [7] Data are for payment cards only.

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions[1]
(GBP billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument					
Credit transfers[2]	67,519.06	75,060.20	73,549.65	71,517.51	71,946.15
paper-based	*196.95*	*178.38*	*172.28*	*161.21*	*160.15*
non-paper-based	*67,322.11*	*74,881.82*	*73,377.37*	*71,356.29*	*71,785.99*
Direct debits	1,044.68	1,075.51	1,115.07	1,167.27	1,245.40
Card payments with cards issued in the country	501.93	511.08	560.73	606.21	666.89
payments by cards with a debit function[3]	*348.66*	*356.98*	*401.04*	*439.17*	*491.91*
payments by cards with a delayed debit	*35.76*	*34.02*	*33.14*	*32.57*	*29.30*
payments by cards with a credit function[3, 4]	*117.50*	*120.08*	*126.56*	*134.47*	*145.68*
E-money payment transactions	nav	nav	nav	nav	nav
Cheques[5]	962.84	855.39	733.38	693.56	624.00
Other payment instruments	nap	nap	nap	nap	nap
Total value of transactions with payment instruments[2]	70,028.50	77,502.17	75,958.82	73,984.54	74,482.44
of which: cross-border transactions sent	*28.10*	*34.32*	*40.45*	*55.92*	*70.89*
Memo:					
Cross-border transactions received	nav	nav	nav	nav	nav
Transactions per type of terminal					
Total transactions at terminals in the country					
Cash transactions[6]	191.32	193.61	191.83	189.36	194.31
ATM cash withdrawals	*191.32*	*193.61*	*191.83*	*189.36*	*194.31*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions[7]	488.44	507.58	534.02	574.85	596.05
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
a) Transactions at terminals in the country by cards issued in the country					
Cash transactions[6]	191.32	193.61	191.83	189.36	194.31
ATM cash withdrawals	*191.32*	*193.61*	*191.83*	*189.36*	*194.31*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions[7]	473.98	476.84	520.37	550.39	596.05
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
b) Transactions at terminals in the country by cards issued outside the country					
Cash transactions	nav	nav	nav	nav	nav
POS payment transactions[7]	14.47	30.74	13.65	24.46	nav
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav
c) Transactions at terminals outside the country by cards issued in the country					
Cash transactions[6]	0.15	0.08	0.08	0.10	0.04
ATM cash withdrawals	*0.15*	*0.08*	*0.08*	*0.10*	*0.04*
ATM cash deposits	*nav*	*nav*	*nav*	*nav*	*nav*
POS payment transactions[7]	28.10	34.32	40.45	55.92	64.36
E-money card loading/unloading transactions	nav	nav	nav	nav	nav
E-money card payment transactions	nav	nav	nav	nav	nav

[1] This table contains all customer transactions. It also, for a number of instruments, includes banks' own account transactions where these cannot be identified separately (see further footnotes). Includes Northern Ireland (estimated) and Scotland; also includes some data and/or estimates of inter-branch and in-house processed items. [2] Includes interbank payments settled in CHAPS; also includes inter-branch paper credit transfers plus some in-house automated transactions (including some transactions on banks' own accounts). [3] Customer transactions only. [4] Does not include data for cards with a "credit and charge" facility. These data are included in the "cards with a delayed debit function" category. [5] Includes inter-branch cheques and estimates of in-house processed cheques; this will also include some own account items. [6] Includes all ATM transactions; a further breakdown is not available. [7] Data are for payment cards only.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
CHAPS Sterling					
Number of participants	nav	nav	nav	nav	nav
Direct participants	18	19	20	21	22
Banks	16	17	18	19	20
Central bank	1	1	1	1	1
Other direct participants	1	1	1	1	1
Clearing and settlement organisations	*1*	*1*	*1*	*1*	*1*
Indirect participants	nav	nav	nav	nav	nav
Retail payment systems					
Cheque and Credit Clearing					
Number of participants	nav	nav	nav	nav	nav
Direct participants	11	11	11	11	11
Banks	10	10	10	10	10
Central bank	1	1	1	1	1
Other direct participants	0	0	0	0	0
Indirect participants	nav	nav	nav	nav	nav
BACS					
Number of participants[1]	63,416	63,416	63,016	nav	nav
Direct participants	16	16	16	16	16
Banks	15	15	15	15	15
Central bank	1	1	1	1	1
Other direct participants	0	0	0	0	0
Indirect participants[1]	63,400	63,400	63,000	nav	nav
Faster Payments Service					
Number of participants	nav	nav	nav	nav	nav
Direct participants	nav	10	10	10	10
Banks	nav	10	10	10	10
Central bank	nav	0	0	0	0
Other direct participants	nav	0	0	0	0
Indirect participants	nav	nav	nav	nav	nav

[1] Approximation; precise data for the number of indirect participants are not available.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions[1]
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
CHAPS Sterling					
Credit transfers	34.02	33.94	34.98	36.52	37.55
Concentration ratio in terms of volume (%)[2]	73.0	73.0	73.0	72.0	71.0
Retail payment systems					
Cheque and Credit Clearing[3]					
Total national transactions sent	762.64	667.42	587.26	518.46	444.60
credit transfers	*62.40*	*54.25*	*47.37*	*40.96*	*28.30*
cheques	*700.24*	*613.17*	*539.89*	*477.50*	*416.30*
Concentration ratio in terms of volume (%)[2]	77.0	79.0	79.0	80.0	81.2
BACS					
Total national transactions sent	5,717.00	5,616.39	5,695.03	5,841.23	6,080.04
credit transfers	*2,394.64*	*2,199.74*	*2,170.12*	*2,169.24*	*2,171.70*
direct debits	*3,322.36*	*3,416.65*	*3,524.91*	*3,672.00*	*3,908.35*
Concentration ratio in terms of volume (%)[2]	80.0	81.0	81.0	81.0	81.0
Faster Payments Service					
Total national transactions sent	nav	811.09	967.63	1,100.93	1,247.04
credit transfers	*nav*	*811.09*	*967.63*	*1,100.93*	*1,247.04*
Concentration ratio in terms of volume (%)	nav	88.0	88.0	88.0	89.0

[1] The table contains both customer and banks' own account transactions. Includes both domestic and cross-border (TARGET) payments; excludes inter-branch items and inward cross-border payments. [2] Market share of the five largest participants in each payment system, based on the total volume of transactions. [3] Includes Northern Ireland (estimated) and Scotland.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions[1]

(GBP billions except as noted, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems					
CHAPS Sterling					
Credit transfers	63,876.8	71,716.9	70,138.9	67,959.5	68,411.2
Concentration ratio in terms of value (%)[2]	67.0	67.0	65.0	63.0	63.0
Retail payment systems					
Cheque and Credit Clearing[3]					
Total national transactions sent	727.5	646.0	576.1	537.3	492.6
credit transfers	*32.4*	*27.5*	*24.6*	*23.0*	*18.6*
cheques	*695.1*	*618.5*	*551.5*	*514.2*	*474.0*
Concentration ratio in terms of value (%)[2]	86.0	83.0	81.0	82.0	81.7
BACS					
Total national transactions sent	4,363.2	4,112.2	4,218.6	4,420.5	4,590.2
credit transfers	*3,318.5*	*3,036.7*	*3,103.6*	*3,253.3*	*3,374.8*
direct debits	*1,044.7*	*1,075.5*	*1,115.1*	*1,167.3*	*1,215.4*
Concentration ratio in terms of value	nav	nav	nav	nav	nav
Faster Payments Service					
Total national transactions sent	nav	617.9	771.4	903.8	1,040.7
credit transfers	nav	*617.9*	*771.4*	*903.8*	*1,040.7*
Concentration ratio in terms of value	nav	87.0	87.0	88.0	88.0

[1] The table contains both customer and banks' own account transactions. Includes both domestic and cross-border (TARGET) payments; excludes inter-branch items and inward cross-border payments. [2] Market share of the five largest participants in each payment system, based on the total value of transactions. [3] Includes Northern Ireland (estimated) and Scotland.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	88	98	98	90	96
of which: live	*87*	*93*	*92*	*88*	*94*
Sub-members	244	244	243	241	245
of which: live	*240*	*238*	*237*	*234*	*237*
Participants	296	309	341	374	411
of which: live	*235*	*240*	*258*	*282*	*307*
Total users	628	651	682	705	752
of which: live	*562*	*571*	*587*	*604*	*638*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	788,763	843,572	971,080	1,060,926	1,147,340
of which:					
category I	*87,807*	*105,099*	*123,366*	*128,191*	*140,465*
category II	*51,891*	*52,133*	*57,582*	*58,721*	*59,676*
Total messages received	993,695	1,058,961	1,184,486	1,335,903	1,458,947
of which:					
category I	*80,561*	*94,997*	*112,528*	*117,891*	*126,434*
category II	*36,400*	*36,928*	*41,509*	*42,395*	*43,294*
Domestic traffic	233,682	256,485	290,697	314,167	338,399
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems
(end of year)

	2011	2012	2013	2014	2015
London Stock Exchange					
Total number of participants	nav	nav	nav	nav	nav
Virt-x					
Total number of participants	nav	nav	nav	nav	nav

Table 15

Number of listed securities

Details are not available.

Table 16

Market capitalisation of listed companies

Details are not available.

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
London Stock Exchange					
Total number of executed securities trades	nav	nav	nav	nav	nav
Total number of executed derivatives trades	nav	nav	nav	nav	nav
Virt-x					
Total number of executed securities trades	nav	nav	nav	nav	nav
Total number of executed derivatives trades	nav	nav	nav	nav	nav

Table 18

Value of executed trades

(GBP billions, total for the year)

	2011	2012	2013	2014	2015
London Stock Exchange					
Total value of executed securities trades	nav	nav	nav	nav	nav
Total value of executed derivatives trades	nav	nav	nav	nav	nav
Virt-x					
Total value of executed securities trades	nav	nav	nav	nav	nav
Total value of executed derivatives trades	nav	nav	nav	nav	nav

Table 19

Number of clearing members

(end of year)

	2011	2012	2013	2014	2015
LCH.Clearnet Ltd[1]					
Total number of clearing members	159	171	165	161	154
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*4*	*4*	*4*	*3*	*2*
banks	*82*	*92*	*95*	*105*	*102*
other	*73*	*75*	*66*	*53*	*50*
Number of domestic clearing members	63	61	59	50	49
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*0*	*0*	*0*	*0*	*0*
banks	*20*	*21*	*21*	*23*	*23*
other	*43*	*40*	*38*	*27*	*26*
Number of foreign clearing members	96	110	106	111	105
central bank	*0*	*0*	*0*	*0*	*0*
central counterparties (CCPs)	*4*	*4*	*4*	*3*	*2*
banks	*62*	*71*	*74*	*82*	*79*
other	*30*	*35*	*28*	*26*	*24*
ICE Clear Europe					
Total number of clearing members	nav	nav	81	80	79
central bank	*nav*	*nav*	*0*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*0*	*0*	*0*
banks	*nav*	*nav*	*25*	*25*	*24*
other	*nav*	*nav*	*56*	*55*	*55*
Number of domestic clearing members	nav	nav	38	38	29
central bank	*nav*	*nav*	*0*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*0*	*0*	*0*
banks	*nav*	*nav*	*15*	*15*	*8*
other	*nav*	*nav*	*23*	*23*	*21*
Number of foreign clearing members	nav	nav	43	42	44
central bank	*nav*	*nav*	*0*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*0*	*0*	*0*
banks	*nav*	*nav*	*10*	*10*	*10*
other	*nav*	*nav*	*33*	*32*	*34*
LME Clear Limited					
Total number of clearing members	*nav*	*nav*	*nav*	*42*	*42*
central bank	*nav*	*nav*	*nav*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*0*	*0*
banks	*nav*	*nav*	*nav*	*4*	*4*
other	*nav*	*nav*	*nav*	*38*	*38*
Number of domestic clearing members	*nav*	*nav*	*nav*	*34*	*34*
central bank	*nav*	*nav*	*nav*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*0*	*0*
banks	*nav*	*nav*	*nav*	*2*	*2*
other	*nav*	*nav*	*nav*	*32*	*32*
Number of foreign clearing members	*nav*	*nav*	*nav*	*8*	*8*
central bank	*nav*	*nav*	*nav*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*0*	*0*
banks	*nav*	*nav*	*nav*	*2*	*2*
other	*nav*	*nav*	*nav*	*6*	*6*

Table 19 (cont)

	2011	2012	2013	2014	2015
CME Clearing Europe Limited					
Total number of clearing members	*nav*	*nav*	*nav*	*18*	*19*
central bank	*nav*	*nav*	*nav*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*0*	*0*
banks	*nav*	*nav*	*nav*	*13*	*8*
other	*nav*	*nav*	*nav*	*5*	*11*
Number of domestic clearing members	*nav*	*nav*	*nav*	*16*	*15*
central bank	*nav*	*nav*	*nav*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*0*	*0*
banks	*nav*	*nav*	*nav*	*11*	*4*
other	*nav*	*nav*	*nav*	*5*	*11*
Number of foreign clearing members	*nav*	*nav*	*nav*	*2*	*3*
central bank	*nav*	*nav*	*nav*	*0*	*0*
central counterparties (CCPs)	*nav*	*nav*	*nav*	*0*	*0*
banks	*nav*	*nav*	*nav*	*2*	*0*
other	*nav*	*nav*	*nav*	*0*	*3*

[1] Formerly the London Clearing House.

(millions, total for the year)

	2011	2012	2013	2014	2015
LCH.Clearnet Ltd					
Total number of contracts and transactions cleare	450.969	445.900	496.942	668.930	620.442
Number of securities transactions cleared	317.590	299.976	337.421	511.266	615.478
debt securities	2.968	2.980	3.168	3.307	nav
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
equity	185.716	184.138	173.494	513.041	615.478
of which: number of repurchase transactions cleared	*2.968*	*2.980*	*3.168*	*3.201*	*3.235*
debt securities	*2.968*	*2.980*	*3.168*	*3.201*	*3.235*
short-term paper	*nav*	*nav*	*nav*	*nav*	*nav*
bonds	*nav*	*nav*	*nav*	*nav*	*nav*
Number of exchange-traded derivatives contracts cleared[1]	131.975	144.417	157.425	154.111	1.672
financial futures	*131.351*	*143.315*	*155.561*	*nav*	*0.063*
financial options	*0*	*0*	*0*	*nav*	*nav*
other financial derivatives	*0*	*0*	*0*	*nav*	*nav*
commodity futures	*0.624*	*1.102*	*1.864*	*nav*	*1.609*
commodity options	*0*	*0*	*0*	*nav*	*nav*
Number of OTC derivatives contracts cleared	1.404	1.507	2.096	3.553	3.292
financial futures	*0*	*0*	*0*	*0*	*nav*
financial options	*0*	*0*	*0*	*0*	*nav*
other financial derivatives[2]	*0.402*	*0.839*	*1.175*	*2.666*	*3.292*

Table 3

Settlement media used by banks

(USD billions, average of last reserve maintenance period)

	2011	2012	2013	2014	2015
Transferable balances held at the central bank	1,524.536	1,510.351	2,491.008	2,579.475	2,667.777
required reserves [1]	*53.176*	*57.672*	*69.011*	*84.766*	*86.444*
free reserves [2]	*1,471.360*	*1,452.679*	*2,421.997*	*2,494.709*	*2,581.333*
Transferable balances held at other banks[3]	40.830	38.029	32.528	31.648	36.329
Memo:					
Credit extended by the central bank:[4]					
intraday					
peak [5]	*7.358*	*19.107*	*5.219*	*3.924*	*5.208*
average [6]	*0.930*	*2.937*	*0.879*	*0.661*	*1.257*
overnight [7]	*0.040*	*0.042*	*0.084*	*0.104*	*0.106*
longer refinancing operations [8]	*9.288*	*0.698*	*0.098*	*0*	*0*

[1] Required reserves less applied vault cash plus weekly average required clearing balances. [2] In 2013 the Federal Reserve changed the way it measures free reserves. [3] Transaction account deposits of commercial banks and other depository institutions in the United States as of 31 December. These transferable balances do not include other immediately available funds, such as federal funds sold and securities purchased under agreements to resell (RPs), which together from end-2011 up 2013 amounted to USD 301.1, 324.5 and 346.4 billion. [4] The Federal Reserve also enters into repurchase agreements (not shown), but these are not for the purpose of providing funds to banks for settlement. [5] Average of peak daylight overdrafts during the reporting period. The peak daylight overdraft for a given day is the greatest value reached by the concurrent sum of daylight overdrafts for all institutions. [6] Average of average daylight overdrafts during the reporting period. The average per-minute daylight overdraft for a given day is the sum of the average per-minute daylight overdrafts for all institutions on that day. [7] Discount window borrowing from the Federal Reserve as indicated in statistical release H.3 “Aggregate Reserves of Depository Institutions and the Monetary Base”. [8] Term auction credit plus other borrowings from the Federal Reserve less discount window borrowing from the Federal Reserve as indicated in statistical release H.3 "Aggregate Reserves of Depository Institutions and the Monetary Base".

Source: Federal Reserve.

Table 4

Banknotes and coin

(USD billions, end of year)

	2011	2012	2013	2014	2015
Total banknotes and coin issued	1,075.79	1,169.13	1,241.16	1,342.88	1,424.92
Total banknotes issued	1,034.50	1,127.10	1,198.35	1,299.14	1,379.96
USD 100	*782.62*	*863.07*	*924.71*	*1,014.50*	*1,082.24*
USD 50	*69.61*	*72.52*	*74.48*	*76.93*	*79.81*
USD 20	*141.08*	*148.95*	*155.00*	*162.17*	*171.28*
USD 10	*17.19*	*17.75*	*18.46*	*18.89*	*18.95*
USD 5	*11.80*	*12.22*	*12.70*	*13.12*	*13.71*
USD 1	*10.00*	*10.30*	*10.61*	*11.04*	*11.39*
other	*2.21*	*2.30*	*2.40*	*2.49*	*2.58*
Total coin issued	41.29	42.03	42.82	43.74	44.97
USD 1	*4.81*	*4.93*	*5.02*	*5.08*	*5.17*
fractional coins	*36.48*	*37.10*	*37.80*	*38.66*	*39.79*
Banknotes and coin held by banks	72.29	79.13	81.36	88.78	84.52
Banknotes and coin in circulation outside banks	1,003.50	1,090.00	1,159.80	1,254.10	1,340.40

Sources: Federal Reserve; US Treasury.

Table 5

Institutions offering payment services to non-banks

(end of year)

	2011	2012	2013	2014	2015
Central bank[1]					
Number of branches or offices[2]	36	36	36	36	36
Number of accounts	nav	nav	nav	nav	nav
Value of accounts	nav	nav	nav	nav	nav
Banks[3]					
Number of institutions	14,867	14,267	13,722	13,129	12,537
Number of branches or offices[4]	118,190	117,007	116,012	114,542	111,956
Number of accounts	nav	nav	nav	nav	nav
Value of transaction accounts (USD billions)[5]	1,509.98	1,755.40	1,911.11	2,101.87	2,179.71
Commercial banks					
Number of institutions	6,236	6,036	5,814	5,573	5,309
Number of branches or offices[4]	86,526	87,518	86,844	85,865	84,239
Value of transaction accounts (USD billions)	1,301.29	1,482.88	1,608.02	1,738.24	1,784.82
Savings institutions[6]					
Number of institutions	1,159	1,045	996	932	870
Number of branches or offices[4]	10,237	8,963	8,609	8,078	7,133
Value of transaction accounts (USD billions)	62.61	102.52	96.28	96.01	96.82
Credit unions					
Number of institutions	7,236	6,956	6,685	6,401	6,142
Number of branches or offices[4]	21,427	20,526	20,559	20,599	20,584
Value of transaction accounts (USD billions)	102.17	113.07	120.55	133.16	152.49
Branches of foreign banks[7]					
Number of institutions	236	230	227	223	216
Number of branches or offices	nav	nav	nav	nav	nav
Value of transaction accounts (USD billions)[8]	43.91	56.94	86.26	134.47	145.58

[1] The Federal Reserve System is the central bank of the United States. It is composed of a central, governmental agency – the Board of Governors – in Washington DC and 12 regional Federal Reserve Banks located in Atlanta, Boston, Chicago, Cleveland, Dallas, Kansas City, Minneapolis, New York, Philadelphia, Richmond, St Louis and San Francisco. [2] Includes the 12 Reserve Bank head offices. Some branches no longer provide payment services. A small number of additional regional offices provide cheque or cash services to depository institutions. [3] Banks in this table include depository institutions, which are similar in nature to deposit-taking institutions. [4] Does not include head offices. [5] Includes the sum of deposits of individuals, partnerships and corporations; deposits of the US government, deposits of states and political subdivisions in the United States; deposits of commercial banks in the United States; deposits of other depository institutions in the United States; deposits of governments and official institutions (including foreign central banks) and certified and official cheques. Note that this definition differs from that of transferable deposits reported in Table 2. [6] Includes state and federal savings banks, savings and loan associations and cooperative and industrial banks. [7] US branches and agencies of foreign banks. [8] Includes credit balances as well as total transaction accounts.

Sources: Federal Reserve; US Treasury.

Table 6

Payment card functions and accepting devices

(end of year)

	2011	2012	2013	2014	2015
Cards issued in the country (millions)[1]					
Cards with a cash function[2]	805.2	827.4	845.1	869.9	913.3
Cards with a debit function	286.0	290.8	296.0	301.6	307.3
Cards with a credit function	875.2	905.6	917.4	945.1	998.1
of which: retailer cards[3]	*356.0*	*369.0*	*368.3*	*376.8*	*392.1*
Cards with an e-money function[5]	nav	nav	nav	nav	nav
Total number of cards (irrespective of the number of functions on the card)	nav	nav	nav	nav	nav
Terminals located in the country (thousands)					
ATMs	nav	nav	nav	nav	nav
ATMs with a cash withdrawal function	*nav*	*nav*	*nav*	*nav*	*nav*
ATMs with a credit transfer function	*nav*	*nav*	*nav*	*nav*	*nav*
POS terminals	nav	nav	nav	nav	nav
of which: EFTPOS terminals[4]	nav	nav	nav	nav	nav
E-money card terminals[5]	nav	nav	nav	nav	nav

[1] A card with multiple functions may appear in several categories; therefore, it is not meaningful to add the figures. [2] Includes credit and debit cards with a cash function. [3] These cards generally can only be used with the retailers' own proprietary networks. [4] PIN-based debit terminals. [5] E-money products have not been widely adopted in the United States. In this reporting period, e-money transaction terminals, volume and value are negligible relative to other card instruments.

Sources: *EFT Data Book* , Thomson Media, pre-2010; *The Nilson Report* , HSN Consultants Inc, Oxnard, CA.

Table 7

Indicators of the use of payment instruments and terminals by non-banks: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument[1]					
Credit transfers	8,008.8	8,493.6	9,026.5	9,463.8	10,020.6
paper-based	*nap*	*nap*	*nap*	*nap*	*nap*
non-paper-based (ACH)[2]	*8,008.8*	*8,493.6*	*9,026.5*	*9,463.8*	*10,020.6*
Direct debits (ACH)[3]	12,209.2	12,821.7	13,574.6	14,389.5	15,472.4
Card payments[4]	73,285.9	77,938.6	84,220.5	90,113.0	97,666.2
payments by cards with a debit function[5]	*49,006.1*	*51,717.2*	*56,020.8*	*59,539.3*	*64,268.2*
payments by cards with a credit function[6]	*24,279.8*	*26,221.4*	*28,199.7*	*30,573.7*	*33,398.0*
of which: payments by retailer cards with a credit function	*2,402.8*	*2,424.8*	*2,458.3*	*2,510.8*	*2,621.9*
E-money payment transactions[7]	nav	nav	nav	nav	nav
Cheques[8]	20,378.0	18,334.5	16,319.7	14,338.9	12,287.1
Memo:					
ATM transactions[9]	nav	nav	nav	nav	nav
of which: ATM cash withdrawals[10]	nav	5,804.4	nav	nav	nav

[1] Includes payments by banks for their own account. [2] Includes an estimate of the number of on-us payments. [3] Includes an estimate of the number of on-us payments. [4] Payments made in the United States using cards issued inside and outside the United States. [5] Excludes cash back. Studies conducted by the Federal Reserve estimated that the number of debit card payments amounted to 47,000 million in 2012. The figures in the table differ from the Federal Reserve estimates, but are provided to allow a consistent time series. [6] Excludes cash advances. Total of Visa, MasterCard, Discover, American Express, Diners Club and retailer cards. Studies conducted by the Federal Reserve estimated that the number of credit card payments 26,200 million in 2012. The figures in the table differ from the Federal Reserve estimates, but are provided to allow a consistent time series. [7] E-money products have not been widely adopted in the United States. In this reporting period, e-money transaction terminals, volume and value are negligible relative to other card instruments. [8] Annualised number of paid cheques including commercial cheques, US Treasury cheques and postal money orders. Studies conducted by the Federal Reserve estimated the number of paid cheques in 2009 and 2012. Other figures are derived from those estimates. [9] Annualised projection based on March data for each year. Includes cash withdrawals, deposits, transfers between individuals' own accounts and other types of transactions. [10] A study conducted by the Federal Reserve estimated that the number of on-us ATM withdrawals, meaning they involved only one depository institution, amounted to approximately 68% of the number of ATM cash

Sources: Federal Reserve; *EFT Data Book*, Thomson Media, pre-2009; *The Nilson Report*, HSN Consultants Inc, Oxnard, CA; NACHA.

Table 8

Indicators of the use of payment instruments and terminals by non-banks: value of transactions

(USD billions, total for the year)

	2011	2012	2013	2014	2015
Transactions per type of payment instrument[1]					
Credit transfers	nav	69,404.2	74,297.9	79,059.9	83,057.5
paper-based	*nap*	*nap*	*nap*	*nap*	*nap*
non-paper-based (ACH)[2]	*nav*	*69,404.2*	*74,297.9*	*79,059.9*	*83,057.5*
Direct debits (ACH)	nav	61,793.4	63,225.0	75,363.1	63,812.6
Card payments[3]	4,097.1	4,417.6	4,762.0	5,156.6	5,527.1
payments by cards with a debit function[4]	*1,846.8*	*1,975.8*	*2,130.7*	*2,279.7*	*2,444.8*
payments by cards with a credit function[5]	*2,250.3*	*2,441.8*	*2,631.4*	*2,876.9*	*3,082.3*
of which: payments by retailer cards with a credit function	*200.0*	*216.0*	*232.3*	*245.4*	*249.9*
E-money payment transactions[6]	nav	nav	nav	nav	nav
Cheques[7]	28,063.2	26,033.0	24,177.6	21,703.6	18,405.1
Memo:					
ATM transactions	nav	nav	nav	nav	nav
of which: ATM cash withdrawals[8]	nav	687.0	nav	nav	nav

[1] Includes payments by banks for their own account. [2] Includes an estimate of the value of on-us payments. A detailed study conducted by the Federal Reserve in 2012 revised the reported on-us automated clearing house (ACH) value and showed that previously reported on-us values are not valid. Trend comparisons with prior years are not valid for on-us and total ACH value. [3] Payments made in the United States using cards issued inside and outside the United States. [4] Excludes cash- back. Studies 1,819 billion in 2012. The figures in the table differ from the Federal Reserve estimates, but are provided to allow a consistent time series. [5] Excludes cash advances. Total of Visa, MasterCard, Discover, American Express, Diners Club and retailer cards. Studies conducted by the Federal Reserve estimated that the value of credit card payments was USD 2,473 billion in 2012. The figures in the table differ from the Federal Reserve estimates, but are provided to allow a consistent time series. [6] E-money products have not been widely adopted in the United States. In this reporting period, e-money transaction terminals, volume and value were negligible relative to other card instruments. [7] Annualised value of paid cheques including commercial cheques, US Treasury cheques and postal money orders. Studies conducted by the Federal Reserve estimated the value of paid cheques in 1995, 2000, 2003, 2006,

2009 and 2012. Other figures are derived from those estimates. [8] A study conducted by the Federal Reserve estimated the value of on-us ATM withdrawals, meaning they involved only one depository institution, amounted to approximately 68% and 71% of value of ATM cash withdrawals in 2009 and 2012, respectively.

Sources: Federal Reserve; EFT Data Book (Thomson Media); The Nilson Report (HSN Consultants Inc); Clearing House Interbank Payments System; National Automated Clearing House Association.

Table 9

Participation in selected interbank funds transfer systems

(end of year)

	2011	2012	2013	2014	2015
Large-value payment systems					
CHIPS					
Number of participants	52	52	50	49	49
Fedwire					
Number of participants[1]	7,338	7,143	6,930	7,866	6,820

[1] The total number of active participants rolled up to the master account level for the Federal Reserve's Fedwire Funds Service.

Sources: Clearing House Interbank Payments System; Federal Reserve.

Table 10

Payments processed by selected interbank funds transfer systems: volume of transactions
(millions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems[1]					
CHIPS[2]	95.1	97.1	103.1	109.4	110.4
Fedwire[3]	127.0	131.6	134.2	135.0	142.8
Cheque clearings[4]					
Private clearing houses and direct exchanges[5]	7,427.7	5,969.5	5,056.2	3,803.5	2,571.3
Federal Reserve	7,052.0	6,851.0	6,171.0	5,899.0	5,604.0
Automated clearing houses (ACH)					
Private[6]	7,598.0	7,818.3	8,070.4	8,304.1	8,694.4
Debit transfers	*4,810.7*	*4,893.2*	*5,031.3*	*5,190.0*	*5,434.6*
Credit transfers	*2,787.3*	*2,925.1*	*3,039.1*	*3,114.1*	*3,259.8*
Federal Reserve[7]	8,481.4	8,932.2	9,481.4	9,994.0	10,618.7
Debit transfers	*4,666.1*	*4,896.6*	*5,166.6*	*5,449.5*	*5,827.6*
Credit transfers	*3,815.3*	*4,035.6*	*4,314.8*	*4,544.6*	*4,791.1*
Memo:					
On-us wire[8]	nav	58.8	61.0	62.8	65.0
On-us cheques[4]	5,898.3	5,514.0	5,092.5	4,636.4	4,111.8
On-us ACH[6, 9]	4,138.7	4,564.8	5,049.3	5,555.1	6,179.9
Debit transfers	*2,732.4*	*3,031.9*	*3,376.7*	*3,750.0*	*4,210.2*
Credit transfers	*1,406.2*	*1,532.8*	*1,672.6*	*1,805.1*	*1,969.7*

[1] Number of originations; data do not include non-value messages. [2] CHIPS, the Clearing House Interbank Payments System, is owned by The Clearing House. [3] Fedwire is operated by the Federal Reserve. [4] Studies conducted by the Federal Reserve estimated the number of cheques paid in 2009 and 2012. The number of on-us cheques for those years was also estimated. Total paid cheques = Federal Reserve + private clearing houses and direct exchanges + on-us. Figures for other years are derived from those estimates. [5] Calculated as total cheque volume less Federal Reserve cheque clearings and estimated on-us cheques. [6] Number originated using private automated clearing house (ACH) operators. Includes transfers sent by private ACH operators to the Federal Reserve for transmission to the receiving depository institution. These transfers, expressed in 3,277.8 in 2011, 3,219.1 in 2012, 3,234.8 in 2013, 3,240.3 in 2014 and 3,338.0 in 2015. [7] Number originated on FedACH. Includes transfers sent by the Federal Reserve to private ACH for transmission to the receiving depository institution. These transfers, expressed in millions, amounted to 1,205.6 in 2011, 1,124.7 in 2012, 1,249.6 in 2013, 1,308.0 in 2014 and 1,431.8 in 2015. [8] A study conducted by the Federal Reserve estimated that the value of on-us wire payments (processed by only one depository institution) was 58.8 million in 2012. Figures for subsequent years are derived from that estimate. Total Large-value Payments = Fedwire + CHIPS + On-us wire. [9] A study conducted by the Federal Reserve estimated that the number of on-us ACH payments (processed by only one depository institution) was 3,458.0 million in 2009 and 4,564.8 million in 2012. Figures for other years are derived from these estimates. Total ACH = private + Federal Reserve + on-us ACH.

Sources: Clearing House Interbank Payments System; Federal Reserve; NACHA.

Table 11

Payments processed by selected interbank funds transfer systems: value of transactions

(USD billions, total for the year)

	2011	2012	2013	2014	2015
Large-value payment systems[1]					
CHIPS[2]	403,349.0	364,818.6	379,984.8	390,695.2	375,862.3
Fedwire[3]	663,837.6	599,200.6	713,310.4	884,551.9	834,630.4
Cheque clearings[4]					
Private clearing houses and direct exchanges[5]	9,861.1	8,291.0	7,165.9	5,245.9	2,875.7
Federal Reserve	8,207.6	8,346.6	8,136.9	8,276.9	8,274.0
Automated clearing houses (ACH)					
Private[6]	15,664.5	17,306.0	18,744.4	20,030.2	20,850.5
Debit transfers	*5,328.6*	*5,794.5*	*6,283.0*	*6,617.4*	*6,805.3*
Credit transfers	*10,335.9*	*11,511.5*	*12,461.4*	*13,412.8*	*14,045.2*
Federal Reserve[7]	18,242.7	19,573.1	19,953.9	19,993.4	20,789.0
Debit transfers	*7,769.6*	*8,441.3*	*8,328.2*	*7,877.7*	*8,057.6*
Credit transfers	*10,473.1*	*11,131.8*	*11,625.7*	*12,115.6*	*12,731.4*
Memo:					
On-us wire[8]	nav	152,280.8	172,701.8	201,443.7	191,214.8
On-us cheques[4]	10,000.0	9,395.4	8,874.9	8,180.8	7,255.5
On-us ACH[6, 9]	nav	94,318.6	98,824.7	101,387.5	105,230.7
Debit transfers	*nav*	*47,557.6*	*48,613.8*	*47,856.1*	*48,949.7*
Credit transfers	*nav*	*46,761.0*	*50,210.8*	*53,531.4*	*56,281.0*

[1] Number of originations. [2] CHIPS, the Clearing House Interbank Payments Systems, is owned by The Clearing House. [3] Fedwire is operated by the Federal Reserve. [4] Studies conducted by the Federal Reserve estimated the value of cheques paid in 2009 and 2012. The value of on-us cheques for those years was also estimated. Figures for other years are derived from those estimates. Total paid cheques = Federal Reserve + private clearing houses and direct exchanges + on-us. [5] Calculated as total cheque value less value of Federal Reserve cheque clearing and value of on-us cheques. [6] Value originated using private conducted by the Federal (ACH) operators. Includes transfers sent by private ACH to the Federal Reserve for transmission to the receiving depository institution. These transfers, expressed in USD billions, amounted 4,200.1 in 2011, 4,411.7 in 2012, 4,531.4 in 2013, 4,586.3 in 2014 and 4,921.4 in 2015. [7] Value originated on FedACH. Includes transfers sent by the Federal Reserve to private ACH for transmission to the receiving depository institution. These transfers, expressed in USD billions, amounted to 3,205.1 in 2011, 3,127.6 in 2012, 3,295.1 in 2013, 3,167.6 in 2014 and 3,408.1 in 2015. [8] A study conducted by the Federal Reserve estimated that the value of on-us wire payments (processed by only one depository institution) was USD 152,300 billion in 2012. Figures for subsequent years are derived from that estimate. Total large-value payments = Fedwire + CHIPS + on-us wire. [9] A detailed study conducted by the Federal Reserve in 2012 revised the reported on-us ACH value and showed that previously reported on-us values are not valid. In 2012 this figure was estimated at USD 105,230 billion. Figures for other years are derived from that estimate. Trend comparisons with prior years are not valid for on-us and total ACH value.

Sources: Clearing House Interbank Payments System; Federal Reserve; NACHA.

Table 12

Participation in SWIFT by domestic institutions

(end of year)

	2011	2012	2013	2014	2015
Members	111	119	118	115	129
of which: live	*111*	*118*	*118*	*116*	*129*
Sub-members	277	277	272	272	268
of which: live	*272*	*272*	*261*	*263*	*259*
Participants	427	459	529	592	676
of which: live	*401*	*428*	*495*	*545*	*638*
Total users	815	855	919	979	1073
of which: live	*784*	*818*	*874*	*924*	*1026*
Memo:					
Total SWIFT users	10,118	10,279	10,583	10,805	11,094
members	*2,334*	*2,398*	*2,389*	*2,379*	*2,455*
sub-members	*3,355*	*3,340*	*3,343*	*3,353*	*3,395*
participants	*4,429*	*4,541*	*4,851*	*5,073*	*5,244*

Source: SWIFT.

Table 13

SWIFT message flows to/from domestic users

(thousands, total for the year)

	2011	2012	2013	2014	2015
Total messages sent	782,697	816,912	908,699	1,002,676	1,103,326
of which:					
category I	*115,518*	*127,669*	*135,965*	*146,720*	*155,864*
category II	*38,033*	*41,384*	*46,550*	*52,677*	*56,663*
Total messages received	924,124	948,429	1,065,767	1,197,903	1,327,734
of which:					
category I	*111,265*	*124,850*	*133,121*	*144,054*	*151,093*
category II	*68,323*	*70,824*	*75,057*	*79,241*	*83,462*
Domestic traffic	336,956	349,040	388,017	434,439	492,676
Memo:					
Global SWIFT traffic	4,431,100	4,589,109	5,065,668	5,612,724	6,106,644

Source: SWIFT.

Table 14

Number of participants in exchanges and trading systems

(end of year)

	2011	2012	2013	2014	2015
New York Stock Exchange					
Total number of participants	nav	nav	nav	nav	nav
Nasdaq					
Total number of participants	nav	nav	nav	nav	nav
American Stock Exchange					
Total number of participants	nav	nav	nav	nav	nav

Source: NYSE Euronext.

Table 15

Number of listed securities[1]

(end of year)

	2011	2012	2013	2014	2015
New York Stock Exchange[2, 3]					
Total number of listed securities	nav	nav	nav	nav	nav
debt securities	nav	nav	nav	nav	nav
equity[2]	nav	nav	nav	nav	nav
Nasdaq[4]					
Total number of listed securities	2,828	2,735	2,804	3,007	3,130
debt securities	nap	nap	nap	nap	nap
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
American Stock Exchange[3]					
Total number of listed securities	nav	nav	nav	nav	nav
debt securities	nap	nap	nap	nap	nap
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav

[1] The primary securities exchanges in the United States are the New York Stock Exchange, the Nasdaq Stock Market (Nasdaq), the American Stock Exchange, the Boston Stock Exchange, the Chicago Stock Exchange, the Pacific Stock Exchange and the Philadelphia Stock Exchange. [2] The New York Stock Exchange is part of a public company that does not report the total number of stocks issued. The number of issuers amounted to 4,532 in 2011, 4,493 in 2012, 4,500 in 2013, 3,077 in 2014 and 3,067 in 2015. [3] In October 2008, NYSE Euronext acquired the American Stock Exchange. Since the merger, the number of listed securities has not been separately reported for the American Stock Exchange. [4] Over-the-counter market.

Sources: NYSE Euronext; The Nasdaq Stock Market, Inc; American Stock Exchange, Inc. (pre-2008).

Table 16

Market capitalisation of listed companies

(USD billions, end of year)

	2011	2012	2013	2014	2015
New York Stock Exchange					
Total market capitalisation/equity	11,795.6	14,085.9	17,949.9	19,351.4	17,786.8
Nasdaq					
Total market capitalisation/equity	3,845.1	4,582.4	6,085.0	6,979.2	7,280.8
American Stock Exchange[1]					
Total market capitalisation/equity	nav	nav	nav	nav	nav

[1] In October 2008, NYSE Euronext acquired the American Stock Exchange. Since then, the market capitalisation for the American Stock Exchange has not been reported separately from the market capitalisation for the New York Stock Exchange.

Source: Federal Reserve.

Table 17

Number of executed trades

(thousands, total for the year)

	2011	2012	2013	2014	2015
New York Stock Exchange[1]					
Total number of executed securities trades	2,006,252	1,386,248	1,202,085	1,552,992	1,765,710
debt securities	nav	nav	nav	nav	nav
equity	2,006,252	1,386,248	1,202,085	1,552,992	1,765,710
other	nav	nav	nav	nav	nav
Total number of executed derivatives trades	nav	nav	nav	nav	nav
Nasdaq					
Total number of executed securities trades[2]	2,250,599	1,933,148	1,893,880	2,412,417	2,512,786
debt securities	nap	nap	nap	nap	nap
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
Total number of executed derivatives trades	nav	nav	nav	nav	nav
American Stock Exchange[1]					
Total number of executed securities trades	nav	nav	nav	nav	nav
Total number of executed derivatives trades	nav	nav	nav	nav	nav

[1] In October 2008, NYSE Euronext acquired the American Stock Exchange. Since then, figures for American Stock Exchange (NYSE AMEX) equity trades are included with other NYSE figures. [2] Values for previous years reflect revisions reported by the Nasdaq Stock Market, Inc.

Sources: NYSE Euronext; The Nasdaq Stock Market, Inc.

Table 18

Value of executed trades

(USD billions, total for the year)

	2011	2012	2013	2014	2015
New York Stock Exchange[1]					
Total value of executed securities trades	18,094.660	13,505.000	13,775.990	15,938.900	17,536.220
debt securities[2]	nav	nav	nav	nav	nav
equity	18,094.660	13,505.000	13,775.990	15,938.900	17,536.220
other	nav	nav	nav	nav	nav
Total value of executed derivatives trades	nav	nav	nav	nav	nav
Nasdaq					
Total value of executed securities trades[3]	14,300.464	13,655.050	14,489.376	17,778.971	18,941.010
debt securities	nap	nap	nap	nap	nap
equity	nav	nav	nav	nav	nav
other	nav	nav	nav	nav	nav
Total value of executed derivatives trades	nav	nav	nav	nav	nav
American Stock Exchange[1]					
Total value of executed securities trades	nav	nav	nav	nav	nav
Total value of executed derivatives trades	nav	nav	nav	nav	nav

[1] In October 2008,

Sources: NYSE Euronext; The Nasdaq Stock Market, Inc.

Table 1

Basic statistical data

	GDP *(USD billions)* [1]					Population *(millions, yearly average)*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	1,517	1,565	1,493	1,438	1,215	22.4	22.8	23.2	23.5	23.8
Belgium	527	498	520	532	455	11.0	11.1	11.1	11.2	11.3
Brazil	2,612	2,458	2,461	2,415	1,768	197.4	199.2	201.0	202.8	204.5
Canada	1,829	1,840	1,872	1,811	1,558	34.3	34.7	35.1	35.5	35.8
China	7,299	8,226	9,185	10,361	10,866	1,343.5	1,350.7	1,360.7	1,367.8	1,374.6
France	2,862	2,680	2,809	2,840	2,418	64.9	65.2	65.6	66.1	66.4
Germany	3,758	3,541	3,752	3,878	3,363	80.3	80.4	80.6	81.0	81.7
Hong Kong SAR	248	263	276	291	309	7.1	7.2	7.2	7.3	7.3
India	1,872	1,860	1,922	2,046	2,117	1,202.0	1,217.0	1,233.0	1,267.0	1,283.0
Italy	2,277	2,071	2,130	2,149	1,821	59.7	59.9	60.2	60.4	60.4
Japan	6,166	6,206	5,155	4,855	4,382	127.8	127.5	127.3	127.1	127.1
Korea	1,203	1,222	1,305	1,411	1,377	49.8	50.0	50.2	50.4	50.6
Mexico	1,171	1,187	1,262	1,298	1,143	108.8	116.3	117.6	119.0	120.3
Netherlands	894	828	867	879	750	16.7	16.8	16.8	16.9	16.9
Russia	2,034	2,154	2,232	2,053	1,332	143.0	143.2	143.5	143.8	146.4
Saudi Arabia	670	734	744	754	646	28.4	29.2	30.0	30.8	31.0
Singapore	266	287	302	306	293	5.2	5.3	5.4	5.5	5.5
South Africa	417	396	368	352	315	51.6	52.2	52.9	53.5	54.3
Sweden	563	544	579	574	496	9.5	9.5	9.6	9.7	9.9
Switzerland	697	664	685	703	670	7.9	8.0	8.1	8.2	8.3
Turkey	777	790	824	799	718	74.7	75.6	76.7	77.7	78.7
United Kingdom	2,610	2,653	2,719	3,001	2,857	63.3	63.7	64.1	64.6	65.1
United States	15,518	16,155	16,692	17,393	18,037	311.6	313.9	316.1	318.4	321.4
CPMI[2]	**57,785**	**58,824**	**60,155**	**62,139**	**58,906**	**4,020.8**	**4,059.4**	**4,096.1**	**4,148.0**	**4,184.4**

Table 1 (cont)

	GDP per capita *(USD)* [1]					CPI inflation *(per cent, yearly average)*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	67,740	68,687	64,478	61,189	51,003	3.0	2.2	2.7	1.7	1.7
Belgium	48,016	45,009	46,829	47,648	40,379	3.4	2.6	1.2	0.5	0.6
Brazil	13,231	12,338	12,240	11,911	8,649	6.5	5.8	5.9	6.4	10.7
Canada	53,307	53,038	53,341	51,014	43,493	2.9	1.5	0.9	1.9	1.1
China	5,432	6,090	6,750	7,575	7,904	5.4	2.6	2.6	2.0	1.0
France	44,077	41,071	42,849	42,986	36,432	2.3	2.2	1.0	0.6	0.1
Germany	46,820	44,034	46,526	47,889	41,169	2.5	2.1	1.6	0.8	0.1
Hong Kong SAR	34,937	36,585	38,167	40,076	42,214	5.3	4.1	4.3	4.4	3.0
India	1,557	1,529	1,559	1,615	1,650	12.0	8.9	9.3	10.9	6.3
Italy	38,162	34,581	35,372	35,555	30,130	2.9	3.3	1.2	0.2	0.1
Japan	48,244	48,670	40,492	38,200	34,472	-0.3	-0.1	0.3	2.8	0.8
Korea	24,160	24,445	25,993	27,982	27,214	4.0	2.2	1.3	1.3	0.7
Mexico	10,760	10,205	10,731	10,906	9,506	3.4	4.1	3.8	4.0	2.7
Netherlands	53,543	49,442	51,577	52,138	44,296	2.5	2.8	2.6	0.3	0.2
Russia	14,226	15,044	15,551	14,274	9,098	6.1	6.6	6.5	11.4	12.9
Saudi Arabia	23,594	25,139	24,816	24,499	20,828	3.7	2.9	3.5	2.7	2.2
Singapore	51,235	54,004	55,982	56,009	52,890	5.2	4.6	2.4	1.0	-0.5
South Africa	8,074	7,588	6,956	6,566	5,801	6.1	5.7	5.4	5.0	5.2
Sweden	59,540	57,106	60,258	59,120	50,320	1.4	0.9	0.4	0.2	0.7
Switzerland	88,125	83,076	84,624	85,871	80,950	0.2	-0.7	-0.2	0.0	-1.1
Turkey	10,399	10,448	10,754	10,283	9,117	10.5	6.2	7.4	8.2	8.8
United Kingdom	41,243	41,652	42,417	46,452	43,878	4.5	2.8	2.6	1.5	0.1
United States	49,804	51,470	52,800	54,635	56,116	3.1	2.0	1.3	1.4	-0.2
CPMI[2]	**14,371**	**14,491**	**14,686**	**14,980**	**14,078**	**3.7**	**2.6**	**2.3**	**2.5**	**1.4**

Table 1 (cont)

	Exchange rate vis-à-vis USD *(yearly average)*					**Exchange rate vis-à-vis USD** *(end of year)*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	0.9609	0.9622	1.0416	1.1123	1.3396	0.9846	0.9630	1.1176	1.2192	1.3687
Belgium	0.7192	0.7788	0.7532	0.7539	0.9019	0.7729	0.7579	0.7251	0.8237	0.9185
Brazil	1.6746	1.9550	2.1605	2.3547	3.3387	1.8758	2.0435	2.3426	2.6562	3.9048
Canada	0.9891	0.9996	1.0299	1.1045	1.2787	1.0170	0.9949	1.0636	1.1601	1.3840
China	6.4610	6.3130	6.1930	6.1430	6.2280	6.3010	6.2860	6.0970	6.1190	6.4940
France	0.7192	0.7788	0.7532	0.7539	0.9019	0.7729	0.7579	0.7251	0.8237	0.9185
Germany	0.7192	0.7788	0.7532	0.7539	0.9019	0.7729	0.7579	0.7251	0.8237	0.9185
Hong Kong SAR	7.7849	7.7571	7.7566	7.7545	7.7524	7.7690	7.7510	7.7540	7.7580	7.7500
India	46.67	53.49	58.65	61.02	64.13	53.27	54.78	61.90	63.33	66.33
Italy	0.7192	0.7788	0.7532	0.7539	0.9019	0.7729	0.7579	0.7251	0.8237	0.9185
Japan	79.70	79.75	97.62	105.82	121.08	77.44	86.11	104.94	119.62	120.39
Korea	1,108.11	1,126.88	1,095.04	1,053.22	1,131.49	1,153.30	1,071.10	1,055.30	1,099.20	1,172.00
Mexico	12.43	13.17	12.77	13.30	15.85	13.98	13.01	13.08	14.72	17.21
Netherlands	0.7192	0.7788	0.7532	0.7539	0.9019	0.7729	0.7579	0.7251	0.8237	0.9185
Russia	29.35	31.07	31.82	37.97	60.66	32.20	30.37	32.73	56.26	72.88
Saudi Arabia	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75
Singapore	1.2579	1.2497	1.2513	1.2671	1.3749	1.3007	1.2221	1.2653	1.3213	1.4139
South Africa	7.2530	8.2100	9.6500	10.8440	12.7510	8.1320	8.4980	10.5000	11.5790	15.5740
Sweden	6.4939	6.7772	6.5149	6.8636	8.4347	6.8877	6.5045	6.4238	7.7366	8.4408
Switzerland	0.8868	0.9387	0.9273	0.9155	0.9629	0.9395	0.9150	0.8901	0.9904	0.9952
Turkey	1.6700	1.7930	1.9010	2.1880	2.7200	1.9070	1.7830	2.1340	2.3190	2.9080
United Kingdom	0.6238	0.6313	0.6397	0.6074	0.6543	0.6456	0.6185	0.6045	0.6416	0.6742
United States	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
CPMI	**nap**	**nap**	**nap**	**nap**	**nap**	**nap**	**nap**	**nap**	**nap**	**nap**

Please refer to the individual country tables for a detailed explanation.

[1] Converted at yearly average exchange rates. [2] Sum or average excluding those countries for which data are not available.

Table 2

Banknotes and coin in circulation

(end of year)

	Total value *(USD billions)* [1]					Value per inhabitant *(USD)* [1]				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	60.01	64.77	59.54	57.81	55.28	2,680.2	2,843.7	2,570.8	2,459.8	2,319.9
Belgium	nap	nap	nap	nap	nap	nav	nav	nav	nav	nav
Brazil	86.77	91.72	87.23	83.25	57.75	439.6	460.3	433.9	410.6	282.4
Canada	65.34	69.59	67.92	65.30	58.78	1,904.7	2,005.6	1,935.0	1,839.7	1,641.0
China	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
France	nap	nap	nap	nap	nap	nav	nav	nav	nav	nav
Germany	nap	nap	nap	nap	nap	nav	nav	nav	nav	nav
Hong Kong SAR	34.75	38.95	43.88	45.57	47.98	4,886.3	5,426.8	6,075.5	6,270.9	6,550.0
India	200.18	215.42	210.08	228.68	250.80	166.5	177.0	170.4	180.5	195.5
Italy	nap	nap	nap	nap	nap	nav	nav	nav	nav	nav
Japan	1,143.42	1,059.47	903.08	817.07	856.55	8,947.0	8,308.6	7,094.3	6,429.4	6,738.6
Korea	42.10	50.62	59.94	68.07	73.92	845.7	1,012.4	1,193.5	1,350.0	1,460.3
Mexico	54.62	64.98	70.19	72.22	72.02	501.9	558.8	596.6	607.0	598.8
Netherlands	nap	nap	nap	nap	nap	nav	nav	nav	nav	nav
Russia	214.40	252.71	254.06	157.28	117.05	1,499.7	1,764.7	1,770.3	1,093.6	799.5
Saudi Arabia	37.29	40.75	44.37	48.24	52.99	1,314.2	1,395.7	1,479.3	1,567.7	1,708.5
Singapore	21.13	23.82	25.02	26.05	27.18	4,075.6	4,484.6	4,633.7	4,762.3	4,910.9
South Africa	13.57	18.57	11.35	11.66	6.15	262.8	355.5	214.6	217.7	113.4
Sweden	14.44	14.72	13.23	10.76	8.59	1,526.6	1,546.5	1,377.6	1,108.8	872.2
Switzerland	62.33	70.71	77.21	71.29	76.31	7,877.8	8,842.8	9,544.1	8,706.1	9,213.5
Turkey	29.42	34.58	35.66	37.35	36.06	393.7	457.3	465.2	480.7	457.9
United Kingdom	89.46	97.65	102.70	102.57	103.09	1,413.5	1,532.8	1,602.0	1,587.9	1,583.3
United States	1,075.79	1,169.13	1,241.16	1,342.88	1,424.92	3,452.7	3,724.8	3,926.1	4,218.2	4,433.2
Euro area	1,182.14	1,237.83	1,354.86	1,267.29	1,210.42	3,521.3	3,677.8	4,017.4	3,749.8	3,570.8
CPMI excl euro area[2]	**3,245.01**	**3,378.19**	**3,306.61**	**3,246.06**	**3,325.42**	**1,327.4**	**1,364.7**	**1,322.1**	**1,275.6**	**1,292.4**
CPMI incl euro area[2]	**4,427.15**	**4,616.02**	**4,661.48**	**4,513.35**	**4,535.84**	**1,592.3**	**1,641.6**	**1,642.3**	**1,565.7**	**1,557.6**

Table 2 (cont)

	Value as a percentage of GDP					Value as a percentage of narrow money				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	4.05	4.14	4.28	4.41	4.65	22.45	24.84	24.39	24.31	23.53
Belgium	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Brazil	3.72	3.90	3.84	3.89	3.82	57.04	57.66	59.31	62.90	67.43
Canada	3.67	3.76	3.75	3.79	4.08	10.88	10.48	10.03	9.85	9.78
China	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
France	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Germany	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Hong Kong SAR	13.96	14.82	15.91	15.65	15.51	33.97	32.79	34.01	31.66	29.67
India	12.21	11.86	11.54	11.60	12.25	62.80	65.09	65.35	66.17	67.67
Italy	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Japan	18.02	18.43	18.83	19.03	19.44	16.36	16.28	16.01	15.80	15.96
Korea	3.64	3.94	4.42	5.03	5.56	10.98	11.54	12.27	12.77	12.23
Mexico	5.25	5.41	5.69	6.16	6.84	36.65	37.08	36.51	36.92	36.97
Netherlands	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Russia	11.56	11.47	11.71	11.35	10.56	53.69	55.81	53.52	57.50	51.47
Saudi Arabia	5.57	5.55	5.96	6.40	8.20	18.38	17.23	16.63	15.83	17.35
Singapore	8.23	8.12	8.37	8.87	9.55	21.04	20.69	20.48	21.48	23.95
South Africa	3.65	4.85	3.36	3.54	2.39	11.65	15.25	10.53	10.88	6.71
Sweden	2.72	2.60	2.25	2.11	1.73	6.22	5.66	4.61	4.11	3.17
Switzerland	9.47	10.38	10.83	10.97	11.76	12.14	12.05	12.39	12.45	13.58
Turkey	4.32	4.35	4.86	4.95	5.37	34.80	34.27	33.18	33.54	33.65
United Kingdom	3.55	3.61	3.57	3.61	3.72	4.54	4.50	4.39	4.38	#VALUE!
United States	6.93	7.24	7.44	7.72	7.90	48.74	46.66	45.82	45.11	45.39
Euro area	9.32	9.54	9.89	10.30	10.63	18.77	18.21	18.11	17.49	16.77
CPMI excl euro area[2]	**8.08**	**8.24**	**8.09**	**7.82**	**8.48**	**21.94**	**22.22**	**22.23**	**22.40**	**26.74**
CPMI incl euro area[2]	**8.23**	**8.61**	**8.62**	**8.22**	**8.92**	**20.99**	**20.98**	**20.85**	**20.76**	**23.08**

Please refer to the individual country tables for a detailed explanation.

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

Table 3

Transferable deposits held by banks

(average for December or average of last reserve maintenance period) [1]

	Transferable balances held at the central bank									
	Total value *(USD billions)* [2]					Value as a percentage of GDP				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	2.90	2.39	21.31	19.17	18.54	0.20	0.15	1.53	1.46	1.56
Belgium	13.07	11.62	11.14	8.44	13.93	2.66	2.27	2.06	1.74	3.12
Brazil	25.63	27.01	20.14	17.54	9.71	1.10	1.15	0.89	0.82	0.64
Canada	0.02	0.06	0.18	0.15	0.51	0.00	0.00	0.01	0.01	0.04
China	2,664.70	3,040.83	3,368.36	3,703.17	3,274.73	35.61	36.81	36.10	35.60	31.43
France	54.22	100.17	59.45	44.21	113.97	2.04	3.64	2.04	1.70	4.80
Germany	202.08	282.78	118.71	109.58	244.32	5.78	7.77	3.05	3.09	7.40
Hong Kong SAR[3]	19.14	33.01	21.16	30.83	50.50	7.69	12.56	7.67	10.59	16.33
India	66.89	58.54	69.42	73.51	75.66	4.08	3.22	3.81	3.73	3.70
Italy	47.86	50.17	32.30	20.45	21.86	2.26	2.36	1.46	1.04	1.22
Japan	396.65	497.96	922.50	1,355.24	1,915.19	6.25	8.66	19.24	31.56	43.46
Korea	33.19	36.68	39.45	41.25	43.64	2.87	2.85	2.91	3.05	3.28
Mexico	20.01	21.48	21.36	21.82	15.45	1.92	1.79	1.73	1.86	1.47
Netherlands	29.01	148.06	45.89	50.67	125.47	3.49	17.39	5.10	6.29	17.04
Russia	26.56	28.95	33.56	23.80	21.49	1.43	1.31	1.55	1.72	1.94
Saudi Arabia	16.94	18.88	21.84	24.68	26.16	2.53	2.57	2.93	3.27	4.05
Singapore	13.70	15.96	25.38	15.37	15.72	5.33	5.44	8.49	5.23	5.52
South Africa	6.78	7.20	6.34	6.26	5.26	1.82	1.88	1.88	1.90	2.04
Sweden[3]	2.45	4.02	3.37	1.91	8.40	0.46	0.71	0.57	0.38	1.70
Switzerland	188.52	311.46	358.76	335.63	405.20	28.64	45.70	50.31	51.63	62.47
Turkey	20.74	13.96	14.07	15.10	14.46	3.05	1.76	1.92	2.00	2.15
United Kingdom	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
United States	1,524.54	1,510.35	2,491.01	2,579.48	2,667.78	9.82	9.35	14.92	14.83	14.79
CPMI[4]	**5,375.58**	**6,221.53**	**7,705.70**	**8,498.25**	**9,087.95**	**9.30**	**10.58**	**12.81**	**13.68**	**15.43**

Table 3 (cont)

	Transferable balances held at other banks									
	Total value *(USD billions)* [2]					Value as a percentage of GDP				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	nap	nap	nap	nap	nap	nav	nap	nap	nap	nap
Belgium	78.15	90.16	83.82	49.19	42.01	15.93	17.63	15.52	10.11	9.40
Brazil	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Canada	1.90	1.90	1.90	1.63	1.78	0.11	0.10	0.10	0.09	0.12
China	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
France[5]	299.58	147.01	116.75	140.06	149.35	11.25	5.34	4.00	5.39	6.29
Germany	133.83	157.26	129.20	151.19	136.92	3.83	4.32	3.31	4.26	4.15
Hong Kong SAR	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
India	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy[3]	131.42	154.08	147.40	127.59	106.58	6.20	7.24	6.66	6.49	5.96
Japan[6]	107.39	68.81	87.36	73.20	73.81	1.68	1.08	1.69	1.56	1.67
Korea	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Mexico	0.76	1.03	0.95	0.72	0.62	0.07	0.09	0.08	0.06	0.06
Netherlands[3]	63.72	56.72	60.31	57.07	78.83	7.66	6.66	6.70	7.09	10.70
Russia	6.35	7.41	7.52	4.68	3.33	0.34	0.34	0.35	0.34	0.30
Saudi Arabia	0.02	0.05	0.03	0.10	0.41	0.00	0.01	0.00	0.01	0.06
Singapore	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
South Africa	13.19	10.20	9.85	8.30	6.75	3.55	2.66	2.91	2.52	2.62
Sweden[3]	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Switzerland[3]	117.72	105.91	106.53	79.99	69.93	17.89	15.54	14.94	12.31	10.78
Turkey	17.44	18.59	19.06	19.53	20.27	2.56	2.34	2.59	2.59	3.02
United Kingdom	966.72	1,057.69	1,207.97	714.47	703.41	38.33	39.06	41.98	25.15	25.37
United States[3]	40.83	38.03	32.53	31.65	36.33	0.26	0.24	0.19	0.18	0.20
CPMI[4]	**1,979.03**	**1,914.85**	**2,011.16**	**1,459.36**	**1,430.33**	**4.69**	**4.52**	**4.72**	**3.37**	**3.53**

Please refer to the individual country tables for a detailed explanation.

[1] Except as noted. [2] Converted at end-of-year exchange rates, except as noted. [3] End of year. [4] Sum or average excluding those countries for which data are not available. [5] Average of fourth quarter. [6] Balances at end-September, converted at end-September exchange rates.

Table 4

Institutions offering payment services to non-banks

(end of year) [1]

	Number of institutions									
	Total number					Number per million inhabitants				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	170	168	166	162	155	7.6	7.4	7.2	6.9	6.5
Belgium	110	105	105	105	101	10.0	9.5	9.5	9.4	9.0
Brazil[2]	98,155	109,082	115,803	110,023	104,427	497.3	547.5	576.0	542.6	510.7
Canada	936	882	829	804	763	27.3	25.4	23.6	22.7	21.3
China	3,801	3,748	3,950	4,090	4,263	2.8	2.8	2.9	3.0	3.1
France	662	641	625	498	498	10.2	9.8	9.5	7.5	7.5
Germany	1,944	1,918	1,893	1,857	1,828	24.2	23.8	23.5	22.9	22.4
Hong Kong SAR	198	200	201	203	199	27.8	27.9	27.8	27.9	27.2
India	1,791	1,761	1,742	1,732	1,728	1.5	1.4	1.4	1.4	1.3
Italy	797	760	737	704	697	13.4	12.7	12.2	11.6	11.5
Japan	1,507	1,492	1,467	1,418	1,379	11.8	11.7	11.5	11.2	10.8
Korea	3,871	3,837	3,809	3,734	3,665	77.8	76.7	75.8	74.1	72.4
Mexico	156	163	216	236	245	1.4	1.4	1.8	2.0	2.0
Netherlands	306	287	263	266	264	18.3	17.1	15.7	15.8	15.6
Russia	980	958	925	836	735	6.9	6.7	6.4	5.8	5.0
Saudi Arabia	nap	nap	nap	nap	nap	nav	nav	nav	nav	nav
Singapore	171	173	169	167	168	33.0	32.6	31.3	30.5	30.4
South Africa	31	32	33	34	35	0.6	0.6	0.6	0.6	0.6
Sweden	114	117	118	117	116	12.1	12.3	12.3	12.1	11.8
Switzerland	314	299	284	276	267	39.7	37.4	35.1	33.7	32.2
Turkey	50	51	51	53	54	0.7	0.7	0.7	0.7	0.7
United Kingdom	367	363	359	360	359	5.8	5.7	5.6	5.6	5.5
United States	14,867	14,267	13,722	13,129	12,537	47.7	45.5	43.4	41.2	39.0
CPMI[3]	**131,298**	**141,304**	**147,467**	**140,804**	**134,483**	**32.9**	**35.1**	**36.3**	**34.2**	**32.4**

Table 4 (cont)

	Number of branches or offices									
	Total number					Number per million inhabitants				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	6,601	6,504	6,415	6,361	6,220	294.8	285.5	277.0	270.6	261.1
Belgium	5,260	5,166	5,086	8,431	7,985	479.1	467.3	458.0	755.7	708.6
Brazil[2]	162,916	179,302	185,567	179,014	171,799	825.3	899.9	923.0	882.8	840.2
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
France	38,171	38,026	37,863	37,621	37,182	587.8	582.9	577.5	569.4	560.1
Germany	39,643	38,173	38,062	37,131	36,326	493.8	474.6	472.0	458.5	444.7
Hong Kong SAR	1,620	1,604	1,585	1,578	1,526	227.8	223.5	219.5	217.2	208.3
India	107,662	122,109	128,210	136,984	144,184	89.6	100.3	104.0	108.1	112.4
Italy	46,966	46,603	44,753	43,847	43,214	787.2	778.0	743.1	725.4	715.0
Japan	54,733	54,502	54,316	54,050	nav	428.3	427.4	426.7	425.3	nav
Korea	19,046	19,019	18,721	18,091	17,828	382.6	380.3	372.8	358.8	352.2
Mexico	15,884	16,722	17,491	17,771	17,500	146.0	143.8	148.7	149.4	145.5
Netherlands	2,706	2,527	2,229	1,930	1,844	162.1	150.8	132.7	114.4	108.9
Russia	85,477	87,051	87,095	85,317	80,252	597.9	607.9	606.9	593.2	548.1
Saudi Arabia	nap	nap	nap	nap	nap	nav	nav	nav	nav	nav
Singapore	515	518	507	507	510	99.3	97.5	93.9	92.7	92.1
South Africa	3,725	3,713	3,704	4,176	4,051	72.1	71.1	70.1	78.0	74.7
Sweden	1,830	1,839	1,822	1,774	1,644	193.5	193.2	189.7	182.8	166.9
Switzerland	4,863	4,821	2,587	2,556	2,460	614.6	602.9	319.8	312.1	297.0
Turkey	14,808	15,585	16,529	16,716	16,809	198.2	206.1	215.6	215.1	213.5
United Kingdom	22,364	nav	nav	nav	nav	353.4	nav	nav	nav	nav
United States	118,190	117,007	116,012	114,542	111,956	379.3	372.8	367.0	359.8	348.3
CPMI[3]	**752,980**	**760,791**	**768,554**	**768,397**	**703,290**	**288.0**	**294.7**	**294.9**	**290.0**	**275.7**

Please refer to the individual country tables for a detailed explanation.

[1] Except as noted. [2] Includes also bank correspondents, which are non-financial entities acting as banks' agents. [3] Sum or average excluding those countries for which data are not available.

Table 5

Transferable deposits held by non-banks

(end of year) [1]

	Number of deposit accounts									
	Total number of accounts *(thousands)*					Number of accounts per inhabitant				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Belgium	16,601	16,552	16,792	25,960	29,520	1.51	1.50	1.51	2.33	2.62
Brazil	150,085	162,881	172,855	nav	nav	0.76	0.82	0.86	nav	nav
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
France	77,795	78,412	79,510	80,462	81,590	1.20	1.20	1.21	1.22	1.23
Germany	95,684	96,858	98,512	102,308	99,488	1.19	1.20	1.22	1.26	1.22
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy[2]	38,467	38,970	42,597	43,168	44,789	0.64	0.65	0.71	0.71	0.74
Japan	391,805	389,436	387,638	387,239	386,827	3.07	3.05	3.05	3.05	3.04
Korea	32,299	33,869	37,267	39,008	35,809	0.65	0.68	0.74	0.77	0.71
Mexico	77,019	86,198	86,870	85,508	92,153	0.71	0.74	0.74	0.72	0.77
Netherlands	23,459	22,758	23,509	46,833	44,047	1.41	1.36	1.40	2.78	2.60
Russia	601,526	670,979	715,110	753,441	788,963	4.21	4.69	4.98	5.24	5.39
Saudi Arabia	nap	nap	nap	nap	nap	nav	nav	nav	nav	nav
Singapore	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
South Africa	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Sweden	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Switzerland	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Turkey	141,766	146,542	158,393	165,821	173,606	1.9	1.9	2.1	2.1	2.2
United Kingdom	128,261	nav	nav	nav	nav	2.03	nav	nav	nav	nav
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[3]	**1,774,768**	**1,743,455**	**1,819,052**	**1,729,746**	**1,776,792**	**1.78**	**1.84**	**1.91**	**2.30**	**2.34**

Table 5 (cont)

	Value of deposit accounts									
	Total value *(USD billions)* [4]					Value per inhabitant *(USD)* [4]				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	1,700	1,919	1,821	1,841	1,735	75,914	84,230	78,633	78,315	72,824
Belgium	186	206	231	230	224	16,950	18,631	20,770	20,586	19,917
Brazil	86	90	81	70	41	434	452	405	344	203
Canada	585	628	645	616	559	17,042	18,099	18,372	17,357	15,616
China	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
France	781	841	919	857	863	12,035	12,890	14,023	12,974	13,006
Germany	1,638	1,919	2,122	1,992	2,015	20,408	23,858	26,317	24,597	24,664
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	1,333	1,482	1,505	1,661	1,702	1,109	1,218	1,221	1,311	1,327
Italy[2]	986	1,003	1,078	1,032	nav	16,529	16,740	17,904	17,075	nav
Japan[5]	5,269	5,230	4,567	4,382	4,224	41,228	41,018	35,875	34,479	33,232
Korea	85	96	108	115	137	1,702	1,926	2,154	2,271	2,700
Mexico	135	153	180	179	175	1,244	1,317	1,526	1,507	1,455
Netherlands	424	470	512	566	536	25,415	28,055	30,471	33,559	31,669
Russia	296	334	336	188	159	2,071	2,332	2,343	1,310	1,087
Saudi Arabia	nap	nap	nap	nap	nap	nav	nav	nav	nav	nav
Singapore	379	435	435	427	406	73,054	81,825	80,508	77,988	73,433
South Africa	308	306	265	259	212	5,956	5,854	5,019	4,842	3,902
Sweden	409	454	491	446	nav	43,276	47,633	51,141	45,967	nav
Switzerland	571	800	781	714	797	72,128	100,021	96,486	87,249	96,281
Turkey	392	464	479	492	464	5,245	6,129	6,242	6,328	5,897
United Kingdom	4,438	5,304	5,556	5,304	5,057	70,128	83,262	86,672	82,115	77,672
United States	1,510	1,755	1,911	2,102	2,180	4,846	5,593	6,045	6,602	6,782
CPMI[3]	**21,510**	**23,888**	**24,024**	**23,473**	**21,489**	**8,142**	**8,939**	**8,904**	**8,560**	**7,955**

Table 5 (cont)

	Value of deposit accounts as a percentage of GDP				
	2011	**2012**	**2013**	**2014**	**2015**
Australia	114.8	122.7	130.8	140.3	145.9
Belgium	37.9	40.3	42.7	47.2	50.2
Brazil	3.7	3.8	3.6	3.3	2.7
Canada	32.9	34.0	35.6	35.7	38.9
China	nav	nav	nav	nav	nav
France	29.3	30.5	31.5	33.0	36.4
Germany	46.8	52.7	54.5	56.1	61.0
Hong Kong SAR	nav	nav	nav	nav	nav
India	81.3	81.6	82.6	84.2	83.2
Italy[2]	46.5	47.1	48.7	52.5	56.2
Japan	84.7	87.8	91.0	93.8	95.6
Korea	7.3	7.5	8.0	8.5	10.3
Mexico	13.0	12.8	14.6	15.3	16.6
Netherlands	51.0	55.2	56.9	70.3	72.8
Russia	16.0	15.2	15.5	13.6	14.4
Saudi Arabia	nav	nav	nav	nav	nav
Singapore	147.4	148.2	145.4	145.2	142.8
South Africa	82.7	79.9	78.5	78.7	82.2
Sweden	77.1	80.1	83.7	87.6	nav
Switzerland	86.7	117.4	109.4	109.9	122.9
Turkey	57.6	58.3	65.2	65.2	69.2
United Kingdom	176.0	195.9	193.1	186.7	182.4
United States	9.7	10.9	11.4	12.1	12.1
CPMI[3]	**43.4**	**48.2**	**48.1**	**46.3**	**48.0**

Please refer to the individual country tables for a detailed explanation.

[1] Except as noted. [2] Only deposits held at banks. [3] Sum or average excluding those countries for which data are not available. [4] Converted at end-of-year exchange rates, except as noted. [5] Converted at average of fiscal year ending March (following year) exchange rates.

Table 6

Payment transactions by non-banks: total number of transactions

(total for the year)

	Total number of transactions *(millions)*					Increase in the number of transactions *(%)*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	7,129	7,707	8,396	9,060	9,936	8.2	8.1	8.9	7.9	9.7
Belgium	2,503	2,511	2,702	3,442	3,269	4.9	0.3	7.6	27.4	-5.0
Brazil	21,636	23,600	25,913	27,430	29,008	11.8	9.1	9.8	5.9	5.8
Canada	9,816	10,126	10,815	11,531	12,000	4.3	3.2	6.8	6.6	4.1
China	8,432	11,203	15,502	22,902	35,790	24.6	32.9	38.4	47.7	56.3
France	17,538	18,068	18,086	18,958	19,789	2.8	3.0	0.1	4.8	4.4
Germany	17,739	18,211	19,590	18,066	19,643	2.4	2.7	7.6	-7.8	8.7
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	7,686	8,557	9,736	11,383	13,527	16.4	11.3	13.8	16.9	18.8
Italy	4,160	4,263	4,487	4,793	5,288	3.9	2.5	5.3	6.8	10.3
Japan	9,988	11,241	nav	nav	nav	12.0	12.5	nav	nav	nav
Korea	13,494	15,242	17,027	18,896	21,131	11.7	13.0	11.7	11.0	11.8
Mexico	2,618	2,943	3,228	3,465	3,841	12.9	12.4	9.7	7.3	10.9
Netherlands	5,604	5,783	6,351	6,452	6,735	3.0	3.2	9.8	1.6	4.4
Russia	5,646	7,309	9,779	12,645	15,585	16.9	29.5	33.8	29.3	23.2
Saudi Arabia	1,622	1,776	1,859	2,148	2,459	18.2	9.5	4.7	15.5	14.5
Singapore	3,279	3,421	3,767	3,886	4,030	27.7	4.3	10.1	3.2	3.7
South Africa	2,379	2,768	3,078	3,432	3,798	nav	16.3	11.2	11.5	10.7
Sweden	3,102	3,346	3,604	3,900	4,202	4.1	7.9	7.7	8.2	7.7
Switzerland	1,401	1,638	1,710	1,797	2,022	4.7	16.9	4.4	5.1	12.5
Turkey	2,508	2,898	3,461	3,743	4,160	14.2	15.5	19.4	8.2	11.1
United Kingdom	17,795	18,504	19,722	21,266	23,119	7.6	4.0	6.6	7.8	8.7
United States	113,882	117,588	123,141	128,305	135,446	6.4	3.3	4.7	4.2	5.6
CPMI[1]	**279,957**	**298,703**	**311,952**	**337,499**	**374,780**	**8.0**	**6.7**	**8.5**	**8.2**	**11.0**

Table 6 (cont)

	Number per inhabitant					Number per deposit account held by non-banks				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	318	338	362	385	417	nav	nav	nav	nav	nav
Belgium	228	227	243	309	290	151	152	161	133	111
Brazil	110	118	129	135	142	144	145	150	nav	nav
Canada	286	292	308	325	335	nav	nav	nav	nav	nav
China	6	8	11	17	26	nav	nav	nav	nav	nav
France	270	277	276	287	298	225	230	227	236	243
Germany	221	226	243	223	240	185	188	199	177	197
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	6	7	8	9	11	nav	nav	nav	nav	nav
Italy	70	71	75	79	87	108	109	105	111	118
Japan	78	88	nav	nav	nav	25	29	nav	nav	nav
Korea	271	305	339	375	417	418	450	457	484	590
Mexico	24	25	27	29	32	34	34	37	41	42
Netherlands	336	345	378	383	398	239	254	270	138	153
Russia	39	51	68	88	106	9	11	14	17	20
Saudi Arabia	57	61	62	70	79	nav	nav	nav	nav	nav
Singapore	633	644	698	710	728	nav	nav	nav	nav	nav
South Africa	46	53	58	64	70	nav	nav	nav	nav	nav
Sweden	328	351	375	402	427	nav	nav	nav	nav	nav
Switzerland	177	205	211	220	244	nav	nav	nav	nav	nav
Turkey	34	38	45	48	53	18	20	22	23	24
United Kingdom	281	290	308	329	355	139	nav	nav	nav	nav
United States	365	375	390	403	421	nav	nav	nav	nav	nav
CPMI[1]	**70**	**74**	**79**	**84**	**93**	**68**	**64**	**77**	**67**	**72**

Please refer to the individual country tables for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available. For credit transfers, data for France (prior to 2005) and the United Kingdom include interbank transactions; however, the total number is relatively small.

Table 7

Use of payment instruments by non-banks: number of transactions per payment instrument

(millions, total for the year)

	Credit transfers					Direct debits				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	1,588.1	1,640.8	1,746.0	1,784.6	1,922.1	705.9	737.3	807.5	883.1	976.6
Belgium	1,026.6	946.8	1,022.8	1,366.4	1,257.7	264.5	285.6	313.1	529.5	413.3
Brazil	8,443.3	9,074.1	9,588.0	9,560.8	10,417.5	4,134.8	4,357.9	4,953.4	5,557.1	5,427.0
Canada	1,043.7	1,136.0	1,225.3	1,262.4	1,317.6	673.8	699.3	728.4	762.3	791.3
China	1,172.6	1,410.0	1,837.2	2,569.0	6,342.8	nav	nav	nav	nav	nav
France	2,977.5	3,097.2	3,250.2	3,416.9	3,358.2	3,533.3	3,543.4	3,107.7	3,541.5	3,849.5
Germany	6,072.5	6,151.0	6,217.4	5,975.0	6,000.9	8,648.3	8,809.5	9,676.4	8,674.0	9,939.3
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	403.2	586.0	910.0	1,135.7	1,390.2	164.7	176.5	192.9	226.0	224.8
Italy	1,261.7	1,261.3	1,261.1	1,347.2	1,471.0	600.7	602.3	624.3	608.1	682.3
Japan	1,438.4	1,499.8	1,522.2	1,558.4	nav	nav	nav	nav	nav	nav
Korea	2,909.8	3,165.2	3,434.8	3,696.3	4,011.9	1,492.6	1,653.0	1,702.2	1,700.0	1,709.1
Mexico	933.5	991.3	1,057.6	1,090.3	1,135.1	53.0	58.7	62.8	70.3	80.0
Netherlands	1,647.9	1,623.7	2,013.7	2,043.2	1,973.0	1,340.4	1,368.6	1,329.7	1,163.4	1,300.3
Russia	2,683.6	2,689.2	2,833.4	2,840.5	2,772.5	118.0	82.1	84.8	84.6	77.4
Saudi Arabia	4.8	5.9	7.2	8.4	11.1	1.2	1.2	1.4	1.6	2.3
Singapore	37.6	39.9	42.7	40.6	60.8	55.0	56.4	57.1	57.2	57.0
South Africa	567.2	653.3	664.6	695.3	738.3	628.0	707.2	766.1	786.0	782.9
Sweden	831.0	859.0	894.0	957.0	1,074.0	289.0	297.0	312.0	323.0	279.5
Switzerland	753.1	928.0	950.3	961.3	976.0	46.0	55.4	56.8	57.7	58.5
Turkey	nav	14.9	229.5	266.6	315.2	nap	nap	nap	nap	nap
United Kingdom	3,601.5	3,693.1	3,871.1	3,939.7	4,051.8	3,322.4	3,416.7	3,524.9	3,672.0	3,908.3
United States	8,008.8	8,493.6	9,026.5	9,463.8	10,020.6	12,209.2	12,821.7	13,574.6	14,389.5	15,472.4
CPMI[1]	**47,406.5**	**49,960.0**	**53,605.5**	**55,979.4**	**60,618.5**	**38,280.9**	**39,729.7**	**41,876.2**	**43,086.7**	**46,031.9**

Table 7 (cont)

	Cheques					E-money payment transactions				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	256.4	224.4	194.4	166.6	139.5	nap	nap	nap	nap	nap
Belgium	6.5	5.4	4.3	8.5	9.5	50.5	46.2	29.4	28.5	7.0
Brazil	1,590.2	1,439.3	1,297.0	1,164.8	1,018.0	37.4	36.0	38.1	27.8	24.4
Canada	870.9	805.5	761.1	708.9	648.2	nav	nav	nav	nav	nav
China	846.7	783.7	693.4	578.2	417.0	nap	nap	nap	nap	nap
France	2,971.4	2,805.6	2,620.6	2,482.8	2,238.9	46.5	52.2	50.5	52.9	36.5
Germany	40.6	34.4	31.3	29.9	21.2	35.9	33.6	31.8	34.2	31.6
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	1,341.9	1,313.7	1,257.3	1,195.8	1,096.4	30.6	66.1	133.6	310.7	748.0
Italy	291.6	275.7	252.4	231.5	208.6	151.9	191.2	244.0	291.4	373.9
Japan	82.6	77.5	73.1	68.9	64.1	2,342.0	2,836.6	3,453.4	4,235.4	4,827.7
Korea	612.9	460.1	364.3	310.3	254.0	113.1	69.6	47.9	38.8	33.3
Mexico	398.3	377.5	348.3	330.5	311.5	nav	nav	nav	nav	nav
Netherlands	nav	nav	0.2	0.2	0.2	171.7	148.0	121.2	76.2	2.4
Russia	0.0	0.0	0.0	0.0	0.0	106.2	225.7	564.4	1,013.6	1,075.4
Saudi Arabia	7.1	7.1	7.1	6.8	6.7	nap	nap	nap	nap	nap
Singapore	76.8	74.6	72.2	69.4	65.7	2,888.2	3,015.1	3,085.3	3,138.1	3,233.0
South Africa	53.7	42.2	30.9	22.9	16.9	nap	nap	nap	nap	nap
Sweden	0.4	0.2	0.1	0.0	0.1	nap	nap	nap	nap	3.5
Switzerland	0.3	0.3	0.2	nav	nav	10.6	2.8	1.4	nav	22.5
Turkey	18.2	18.5	17.2	17.4	16.9	nav	nav	nav	nav	nav
United Kingdom	970.0	848.0	718.0	644.0	558.0	nav	nav	nav	nav	nav
United States	20,378.0	18,334.5	16,319.7	14,338.9	12,287.1	nav	nav	nav	nav	nav
CPMI[1]	**30,814.4**	**27,928.0**	**25,063.1**	**22,376.3**	**19,378.6**	**5,984.7**	**6,723.3**	**7,800.9**	**9,247.6**	**10,419.2**

Please refer to the individual country tables for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available. For credit transfers, data for France (prior to 2005) and the United Kingdom include interbank transactions; however, the total number is relatively small.

Table 7 (cont)

	Card payments (except e-money)					*of which: by cards with a debit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	4,269.2	4,773.7	5,301.2	5,862.9	6,522.5	*2,606.7*	*2,998.1*	*3,384.5*	*3,790.6*	*4,260.5*
Belgium	1,154.3	1,226.9	1,332.3	1,508.2	1,556.9	*1,020.6*	*1,087.6*	*1,168.6*	*1,349.5*	*1,352.5*
Brazil	7,430.0	8,693.1	10,036.1	11,119.4	12,120.9	*3,509.3*	*4,130.4*	*4,910.3*	*5,628.2*	*6,467.8*
Canada	7,227.2	7,484.8	8,099.2	8,796.8	9,241.9	*4,143.0*	*4,357.3*	*4,518.9*	*4,899.0*	*5,169.0*
China	6,413.0	9,009.1	12,971.0	19,754.4	29,029.9	*nav*	*nav*	*nav*	*nav*	*nav*
France[1]	7,911.0	8,475.0	8,964.3	9,437.9	10,233.9	*nav*	*nav*	*nav*	*4,924.2*	*6,097.4*
Germany	2,941.4	3,182.2	3,632.8	3,353.1	3,650.4	*2,399.7*	*2,579.1*	*2,885.3*	*2,566.1*	*2,695.3*
Hong Kong SAR	nav	nav	nav	nav	nav	*109.7*	*112.2*	*114.1*	*118.3*	*126.1*
India	5,745.4	6,414.3	7,241.6	8,514.3	10,067.7	*5,409.5*	*5,999.2*	*6,711.9*	*7,872.5*	*9,247.0*
Italy	1,566.9	1,629.0	1,813.2	2,034.0	2,269.8	*981.1*	*1,091.5*	*1,225.8*	*1,390.1*	*1,617.1*
Japan	6,124.8	6,826.7	nav	nav	nav	*13.4*	*12.9*	*12.4*	*11.4*	*10.6*
Korea	8,365.0	9,893.6	11,477.7	13,150.2	15,122.8	*1,909.7*	*2,545.3*	*3,443.4*	*4,401.6*	*5,403.3*
Mexico	1,232.8	1,516.1	1,759.7	1,973.4	2,314.2	*741.8*	*930.5*	*1,116.0*	*1,296.6*	*1,588.6*
Netherlands	2,444.4	2,642.9	2,886.2	3,168.7	3,459.2	*2,333.9*	*2,530.7*	*2,765.0*	*3,037.5*	*3,318.1*
Russia	1,662.1	2,853.9	4,584.5	6,811.2	9,803.5	*1,556.9*	*2,631.2*	*4,150.1*	*6,096.8*	*8,852.1*
Saudi Arabia	1,485.5	1,624.3	1,696.7	1,976.3	2,266.6	*1,445.1*	*1,570.9*	*1,629.6*	*1,894.1*	*2,266.5*
Singapore	221.7	235.3	509.3	581.0	613.3	*221.7*	*235.3*	*258.2*	*293.9*	*301.9*
South Africa	1,130.6	1,365.5	1,616.0	1,927.9	2,260.3	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	1,982.0	2,190.0	2,398.0	2,619.9	2,845.0	*1,629.0*	*1,810.0*	*1,986.8*	*2,169.5*	*2,343.0*
Switzerland	591.2	651.3	701.1	778.5	965.3	*400.9*	*435.6*	*460.9*	*508.8*	*668.9*
Turkey	2,490.0	2,864.6	3,214.2	3,459.1	3,827.7	*308.4*	*437.4*	*574.1*	*719.7*	*879.8*
United Kingdom	9,901.0	10,546.0	11,608.0	13,010.0	14,601.0	*7,612.0*	*8,155.0*	*9,040.0*	*10,227.0*	*11,544.0*
United States	73,285.9	77,938.6	84,220.5	90,113.0	97,666.2	*49,006.1*	*51,717.2*	*56,020.8*	*59,539.3*	*64,268.2*
CPMI[2]	**155,575.5**	**172,036.7**	**186,063.7**	**209,950.2**	**240,439.0**	***87,358.4***	***95,367.4***	***106,376.7***	***122,734.8***	***138,477.7***

Table 7 (cont)

	by cards with a delayed debit function					*by cards with a credit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	*nav*	*nav*	*nav*	*nav*	*nav*	*1,662.5*	*1,775.6*	*1,916.8*	*2,072.3*	*2,262.0*
Belgium	*133.7*	*139.3*	*163.7*	*156.5*	*202.1*	*nav*	*nav*	*nav*	*2.2*	*2.3*
Brazil	*nav*	*nav*	*nav*	*nav*	*nav*	*3,920.8*	*4,562.7*	*5,125.8*	*5,491.2*	*5,653.1*
Canada[3]	*nap*	*nap*	*nap*	*nap*	*nap*	*3,084.2*	*3,127.5*	*3,580.3*	*3,897.8*	*4,072.9*
China	*nap*	*nap*	*nap*	*nap*	*nap*	*nav*	*nav*	*nav*	*nav*	*nav*
France[1]	*nav*	*nav*	*nav*	*1,357.1*	*1,913.1*	*nav*	*nav*	*nav*	*85.4*	*247.9*
Germany	*501.2*	*559.7*	*681.5*	*710.2*	*867.8*	*40.5*	*43.4*	*66.0*	*76.8*	*87.3*
Hong Kong SAR	*nav*	*nav*	*nav*	*nav*	*nav*	*391.5*	*431.6*	*462.1*	*482.0*	*515.9*
India	*13.8*	*16.0*	*17.7*	*22.4*	*29.0*	*322.2*	*399.1*	*512.0*	*619.4*	*791.7*
Italy[5]	*nav*	*nav*	*nav*	*nav*	*nap*	*585.8*	*537.5*	*587.5*	*644.0*	*652.6*
Japan	*nav*	*nav*	*nav*	*nav*	*nav*	*6,111.4*	*6,813.8*	*nav*	*nav*	*nav*
Korea	*nap*	*nap*	*nap*	*nap*	*nap*	*6,455.3*	*7,348.3*	*8,034.2*	*8,748.6*	*9,719.5*
Mexico	*nap*	*nap*	*nap*	*nap*	*nap*	*491.0*	*585.6*	*643.7*	*676.8*	*725.6*
Netherlands[4]	*110.5*	*112.2*	*121.2*	*131.2*	*141.2*	*nav*	*nav*	*nav*	*nav*	*nav*
Russia	*nav*	*nav*	*nav*	*nav*	*nav*	*105.2*	*222.7*	*434.4*	*714.3*	*951.4*
Saudi Arabia	*nap*	*nap*	*nap*	*nap*	*nap*	*40.5*	*53.4*	*67.2*	*82.1*	*98.0*
Singapore	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*251.1*	*287.1*	*311.4*
South Africa	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	*42.0*	*43.0*	*42.6*	*44.7*	*61.0*	*311.0*	*337.0*	*368.7*	*405.8*	*441.0*
Switzerland[6]	*nav*	*nav*	*nav*	*nav*	*nav*	*190.3*	*215.7*	*240.2*	*269.7*	*296.5*
Turkey	*nap*	*nap*	*nap*	*nap*	*nap*	*2,181.6*	*2,427.3*	*2,640.1*	*2,739.4*	*2,948.0*
United Kingdom	*363.0*	*368.0*	*374.0*	*381.0*	*370.0*	*1,926.0*	*2,023.0*	*2,194.0*	*2,402.0*	*2,687.0*
United States	*nav*	*nav*	*nav*	*nav*	*nav*	*24,279.8*	*26,221.4*	*28,199.7*	*30,573.7*	*33,398.0*
CPMI[2]	***1,164.3***	***1,238.2***	***1,400.7***	***2,803.1***	***3,584.2***	***52,099.6***	***57,125.4***	***55,323.7***	***60,270.5***	***65,861.7***

Please refer to the individual country tables for a detailed explanation.

[1] A breakdown by types of function is not available. [2] Sum or average excluding those countries for which data are not available. [3] For cards with a credit function, includes charge cards. [4] For cards with a delayed debit function, includes cards with a credit function. [5] For cards with a delayed debit function, includes cards with a credit function. [6] For cards with a credit function, includes cards with a delayed debit function.

Comparative tables

(% of total number of transactions)

	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia	23.3	22.2	21.7	20.5	20.1	10.4	10.0	10.0	10.2	10.2
Belgium	41.0	37.7	37.9	39.7	38.8	10.6	11.4	11.6	15.4	12.7
Brazil	39.0	38.4	37.0	34.9	35.9	19.1	18.5	19.1	20.3	18.7
Canada	10.6	11.2	11.3	10.9	11.0	6.9	6.9	6.7	6.6	6.6
China	13.9	12.6	11.9	11.2	17.7	nav	nav	nav	nav	nav
France	17.1	17.2	18.1	18.0	17.0	20.3	19.7	17.3	18.7	19.5
Germany	34.2	33.8	31.7	33.1	30.5	48.8	48.4	49.4	48.0	50.6
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	5.2	6.8	9.635.v2 k 0 Td		[(2 k 0 Td	[(2 k 0 Td	[(2 k 0 Td	[7G/ Td	[(2 k 0 Td	[(

Table 7c

Use of payment instruments by non-banks: number of transactions per inhabitant

(total for the year)

	Credit transfers					Direct debits				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	70.9	72.0	75.4	75.9	80.7	31.5	32.4	34.9	37.6	41.0
Belgium	93.5	85.6	92.1	122.5	111.6	24.1	25.8	28.2	47.5	36.7
Brazil	42.8	45.5	47.7	47.1	50.9	20.9	21.9	24.6	27.4	26.5
Canada	30.4	32.7	34.9	35.6	36.8	19.6	20.2	20.8	21.5	22.1
China	0.9	1.0	1.4	1.9	4.6	nav	nav	nav	nav	nav
France	45.9	47.5	49.6	51.7	50.6	54.4	54.3	47.4	53.6	58.0
Germany	75.6	76.5	77.1	73.8	73.5	107.7	109.5	120.0	107.1	121.7
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	0.3	0.5	0.7	0.9	1.1	0.1	0.1	0.2	0.2	0.2
Italy	21.1	21.1	20.9	22.3	24.3	10.1	10.1	10.4	10.1	11.3
Japan	11.3	11.8	12.0	12.3	nav	nav	nav	nav	nav	nav
Korea	58.5	63.3	68.4	73.3	79.3	30.0	33.1	33.9	33.7	33.8
Mexico	8.6	8.5	9.0	9.2	9.4	0.5	0.5	0.5	0.6	0.7
Netherlands	98.7	96.9	119.8	121.1	116.5	80.3	81.7	79.1	69.0	76.8
Russia	18.8	18.8	19.7	19.8	18.9	0.8	0.6	0.6	0.6	0.5
Saudi Arabia	0.2	0.2	0.2	0.3	0.4	0.0	0.0	0.0	0.1	0.1
Singapore	7.3	7.5	7.9	7.4	11.0	10.6	10.6	10.6	10.5	10.3
South Africa	11.0	12.5	12.6	13.0	13.6	12.2	13.5	14.5	14.7	14.4
Sweden	87.9	90.2	93.1	98.6	109.0	30.6	31.2	32.5	33.3	28.4
Switzerland	95.2	116.0	117.5	117.4	117.8	5.8	6.9	7.0	7.0	7.1
Turkey	nav	0.2	3.0	3.4	4.0	nap	nap	nap	nap	nap
United Kingdom	56.9	58.0	60.4	61.0	62.2	52.5	53.6	55.0	56.8	60.0
United States	25.7	27.1	28.6	29.7	31.2	39.2	40.8	42.9	45.2	48.1
CPMI[1]	**12.0**	**12.3**	**13.1**	**13.5**	**15.0**	**15.5**	**15.9**	**16.6**	**16.8**	**17.7**

Table 7c (cont)

	Cheques					E-money payment transactions				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	11.5	9.9	8.4	7.1	5.9	nap	nap	nap	nap	nap
Belgium	0.6	0.5	0.4	0.8	0.8	4.6	4.2	2.6	2.6	0.6
Brazil	8.1	7.2	6.5	5.7	5.0	0.2	0.2	0.2	0.1	0.1
Canada	25.4	23.2	21.7	20.0	18.1	nav	nav	nav	nav	nav
China	0.6	0.6	0.5	0.4	0.3	nap	nap	nap	nap	nap
France	45.8	43.0	40.0	37.6	33.7	0.7	0.8	0.8	0.8	0.5
Germany	0.5	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	1.1	1.1	1.0	0.9	0.9	0.0	0.1	0.1	0.2	0.6
Italy	4.9	4.6	4.2	3.8	3.5	2.5	3.2	4.1	4.8	6.2
Japan	0.6	0.6	0.6	0.5	0.5	18.3	22.2	27.1	33.3	38.0
Korea	12.3	9.2	7.3	6.2	5.0	2.3	1.4	1.0	0.8	0.7
Mexico	3.7	3.2	3.0	2.8	2.6	nav	nav	nav	nav	nav
Netherlands	nav	nav	0.0	0.0	0.0	10.3	8.8	7.2	4.5	0.1
Russia	0.0	0.0	0.0	0.0	0.0	0.7	1.6	3.9	7.0	7.3
Saudi Arabia	0.2	0.2	0.2	0.2	0.2	nap	nap	nap	nap	nap
Singapore	14.8	14.0	13.4	12.7	11.9	557.1	567.6	571.5	573.7	584.1
South Africa	1.0	0.8	0.6	0.4	0.3	nap	nap	nap	nap	nap
Sweden	0.0	0.0	0.0	0.0	0.0	nap	nap	nap	nap	0.4
Switzerland	0.0	0.0	0.0	nav	nav	1.3	0.4	0.2	nav	2.7
Turkey	0.2	0.2	0.2	0.2	0.2	nav	nav	nav	nav	nav
United Kingdom	15.3	13.3	11.2	10.0	8.6	nav	nav	nav	nav	nav
United States	65.4	58.4	51.6	45.0	38.2	nav	nav	nav	nav	nav
CPMI[1]	**7.7**	**6.9**	**6.1**	**5.4**	**4.6**	**3.0**	**3.4**	**3.9**	**4.6**	**5.0**

Please refer to the individual country tables for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available. For credit transfers, data for France (prior to 2005) and the United Kingdom include interbank transactions; however, the total number is relatively small.

Table 7c (cont)

	Card payments (except e-money)					*of which: by cards with a debit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	190.7	209.6	228.9	249.4	273.7	*116.4*	*131.6*	*146.1*	*161.3*	*178.8*
Belgium	105.1	111.0	120.0	135.2	138.2	*93.0*	*98.4*	*105.2*	*121.0*	*120.0*
Brazil	37.6	43.6	49.9	54.8	59.3	*17.8*	*20.7*	*24.4*	*27.8*	*31.6*
Canada	210.7	215.7	230.7	247.8	258.0	*120.8*	*125.6*	*128.7*	*138.0*	*144.3*
China	4.8	6.7	9.5	14.4	21.1	*nav*	*nav*	*nav*	*nav*	*nav*
France	121.8	129.9	136.7	142.8	154.2	*nav*	*nav*	*nav*	*74.5*	*91.9*
Germany	36.6	39.6	45.0	41.4	44.7	*29.9*	*32.1*	*35.8*	*31.7*	*33.0*
Hong Kong SAR	nav	nav	nav	nav	nav	*15.4*	*15.6*	*15.8*	*16.3*	*17.2*
India	4.8	5.3	5.9	6.7	7.8	*4.5*	*4.9*	*5.4*	*6.2*	*7.2*
Italy	26.3	27.2	30.1	33.6	37.6	*16.4*	*18.2*	*20.4*	*23.0*	*26.8*
Japan	47.9	53.5	nav	nav	nav	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
Korea	168.0	197.9	228.5	260.8	298.8	*38.4*	*50.9*	*68.6*	*87.3*	*106.7*
Mexico	11.3	13.0	15.0	16.6	19.2	*6.8*	*8.0*	*9.5*	*10.9*	*13.2*
Netherlands	146.4	157.7	171.8	187.9	204.3	*139.8*	*151.0*	*164.6*	*180.1*	*195.9*
Russia	11.6	19.9	31.9	47.4	67.0	*10.9*	*18.4*	*28.9*	*42.4*	*60.5*
Saudi Arabia	52.4	55.6	56.6	64.2	73.1	*50.9*	*53.8*	*54.3*	*61.6*	*73.1*
Singapore	42.8	44.3	94.3	106.2	110.8	*42.8*	*44.3*	*47.8*	*53.7*	*54.6*
South Africa	21.9	26.1	30.6	36.0	41.7	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	209.6	230.0	249.7	270.0	288.8	*172.3*	*190.1*	*206.9*	*223.6*	*237.8*
Switzerland	74.7	81.4	86.7	95.1	116.6	*50.7*	*54.5*	*57.0*	*62.1*	*80.8*
Turkey	33.3	37.9	41.9	44.5	48.6	*4.1*	*5.8*	*7.5*	*9.3*	*11.2*
United Kingdom	156.5	165.5	181.1	201.4	224.3	*120.3*	*128.0*	*141.0*	*158.3*	*177.3*
United States	235.2	248.3	266.4	283.1	303.9	*157.3*	*164.8*	*177.2*	*187.0*	*200.0*
CPMI[1]	**38.8**	**42.5**	**47.0**	**52.3**	**59.4**	***34.1***	***36.8***	***40.6***	***45.0***	***50.3***

Table 7c (cont)

	by cards with a delayed debit function					*by cards with a credit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	*nav*	*nav*	*nav*	*nav*	*nav*	*74.3*	*78.0*	*82.8*	*88.2*	*94.9*
Belgium	*12.2*	*12.6*	*14.7*	*14.0*	*17.9*	*nav*	*nav*	*nav*	*0.2*	*0.2*
Brazil	*nav*	*nav*	*nav*	*nav*	*nav*	*19.9*	*22.9*	*25.5*	*27.1*	*27.6*
Canada	*nap*	*nap*	*nap*	*nap*	*nap*	*89.9*	*90.1*	*102.0*	*109.8*	*113.7*
China	*nap*	*nap*	*nap*	*nap*	*nap*	*nav*	*nav*	*nav*	*nav*	*nav*
France	*nav*	*nav*	*nav*	*20.5*	*28.8*	*nav*	*nav*	*nav*	*1.3*	*3.7*
Germany	*6.2*	*7.0*	*8.5*	*8.8*	*10.6*	*0.5*	*0.5*	*0.8*	*0.9*	*1.1*
Hong Kong SAR	*nav*	*nav*	*nav*	*nav*	*nav*	*55.1*	*60.1*	*64.0*	*66.3*	*70.4*
India	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.3*	*0.3*	*0.4*	*0.5*	*0.6*
Italy	*nav*	*nav*	*nav*	*nav*	*nap*	*9.8*	*9.0*	*9.8*	*10.7*	*10.8*
Japan	*nav*	*nav*	*nav*	*nav*	*nav*	*47.8*	*53.4*	*nav*	*nav*	*nav*
Korea	*nap*	*nap*	*nap*	*nap*	*nap*	*129.7*	*147.0*	*160.0*	*173.5*	*192.0*
Mexico	*nap*	*nap*	*nap*	*nap*	*nap*	*4.5*	*5.0*	*5.5*	*5.7*	*6.0*
Netherlands	*6.6*	*6.7*	*7.2*	*7.8*	*8.3*	*nav*	*nav*	*nav*	*nav*	*nav*
Russia	*nav*	*nav*	*nav*	*nav*	*nav*	*0.7*	*1.6*	*3.0*	*5.0*	*6.5*
Saudi Arabia	*nap*	*nap*	*nap*	*nap*	*nap*	*1.4*	*1.8*	*2.2*	*2.7*	*3.2*
Singapore	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*46.5*	*52.5*	*56.3*
South Africa	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	*4.4*	*4.5*	*4.4*	*4.6*	*6.2*	*32.9*	*35.4*	*38.4*	*41.8*	*44.8*
Switzerland	*nav*	*nav*	*nav*	*nav*	*nav*	*24.1*	*27.0*	*29.7*	*32.9*	*35.8*
Turkey	*nap*	*nap*	*nap*	*nap*	*nap*	*29.2*	*32.1*	*34.4*	*35.3*	*37.4*
United Kingdom	*5.7*	*5.8*	*5.8*	*5.9*	*5.7*	*30.4*	*31.8*	*34.2*	*37.2*	*41.3*
United States	*nav*	*nav*	*nav*	*nav*	*nav*	*77.9*	*83.5*	*89.2*	*96.0*	*103.9*
CPMI[1]	***0.8***	***0.9***	***1.0***	***1.8***	***2.3***	***20.6***	***22.3***	***22.5***	***23.3***	***25.2***

Please refer to the individual country tables and the footnotes to Comparative Table 7 for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available.

Table 8

Payment transactions by non-banks: total value of transactions

(total for the year)

	Total value of transactions *(USD billions)* [1]					Increase in the real value of transactions *(in %)* [2]				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	15,067	15,452	14,971	13,990	12,045	4.8	0.5	2.1	-1.9	2.0
Belgium	5,657	4,920	5,522	9,150	7,005	2.5	-8.2	7.2	65.1	-9.0
Brazil	15,539	16,679	18,318	17,385	12,548	8.7	18.4	14.6	-2.8	-7.5
Canada	5,867	6,159	6,176	6,027	5,379	3.3	4.5	2.4	2.7	2.2
China	121,089	149,881	193,758	226,451	434,035	12.9	17.9	23.6	13.7	92.4
France	39,522	35,735	35,429	36,106	27,748	10.7	-4.2	-5.1	1.4	-8.1
Germany	98,453	92,049	93,937	70,400	62,787	9.8	-0.9	-2.9	-25.6	6.5
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	18,336	15,473	15,308	15,223	15,944	-4.8	-11.1	-0.8	-6.7	3.5
Italy	13,968	12,536	12,963	11,823	9,520	-0.8	-5.9	-1.2	-8.9	-3.8
Japan	38,281	39,343	34,059	31,671	nav	3.7	2.9	5.6	-1.9	nav
Korea	19,257	18,804	19,263	20,989	21,394	3.0	-2.8	-1.7	3.5	8.7
Mexico	20,524	19,603	20,467	20,297	17,598	11.3	-2.8	-2.5	-0.7	0.6
Netherlands	7,966	7,482	23,326	23,482	21,906	-9.1	-1.1	194.0	0.4	11.4
Russia	15,131	16,066	18,011	17,439	12,466	9.3	5.4	7.8	3.7	1.2
Saudi Arabia	15,841	18,954	16,251	16,390	14,926	-4.2	16.3	-17.2	-1.8	-10.9
Singapore	811	845	893	881	836	0.2	-1.0	3.4	-1.1	3.6
South Africa	18,201	19,824	22,782	24,419	2,064	nav	nav	nav	nav	nav
Sweden	2,152	2,225	2,401	2,377	1,712	7.3	6.9	3.3	4.1	-12.1
Switzerland	5,005	4,391	4,426	4,543	5,002	8.2	-6.5	-0.2	1.4	17.1
Turkey	330	583	3,392	3,425	3,151	11.2	78.8	474.3	7.4	5.1
United Kingdom	112,254	122,771	118,734	121,814	113,832	-0.7	7.7	-4.4	-4.0	0.6
United States	nav	161,648	166,463	181,283	170,802	nav	nav	nav	nav	nav
CPMI[3]	**589,250**	**781,426**	**846,849**	**875,564**	**972,701**	**14.5**	**2.5**	**5.9**	**0.9**	**13.7**

Table 8 (cont)

	Average value per transaction *(USD)* [1]					Average value per inhabitant *(USD thousands)* [1]				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	2,113	2,005	1,783	1,544	1,212	673	678	646	595	506
Belgium	2,260	1,959	2,044	2,658	2,143	515	445	497	820	622
Brazil	718	707	707	634	433	79	84	91	86	61
Canada	598	608	571	523	448	171	178	176	170	150
China	14,360	13,379	12,499	9,888	12,127	90	111	142	166	316
France	2,253	1,978	1,959	1,905	1,402	609	548	540	546	418
Germany	5,550	5,055	4,795	3,897	3,196	1,226	1,145	1,165	869	769
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	2,386	1,808	1,572	1,337	1,179	15	13	12	12	12
Italy	3,358	2,941	2,889	2,467	1,800	234	209	215	196	158
Japan	3,833	3,500	nav	nav	nav	300	309	268	249	nav
Korea	1,427	1,234	1,131	1,111	1,012	387	376	384	416	423
Mexico	7,841	6,660	6,340	5,859	4,582	189	169	174	171	146
Netherlands	1,421	1,294	3,673	3,640	3,253	477	447	1,388	1,392	1,294
Russia	2,680	2,198	1,842	1,379	800	106	112	126	121	85
Saudi Arabia	9,765	10,673	8,739	7,632	6,070	558	649	542	533	481
Singapore	247	247	237	227	207	156	159	165	161	151
South Africa	7,649	7,161	7,403	7,115	543	352	380	431	456	38
Sweden	694	665	666	609	407	228	234	250	245	174
Switzerland	3,572	2,681	2,589	2,527	2,473	633	549	547	555	604
Turkey	132	201	980	915	758	4	8	44	44	40
United Kingdom	6,308	6,635	6,020	5,728	4,924	1,774	1,927	1,852	1,886	1,748
United States	nav	1,375	1,352	1,413	1,261	nav	515	527	569	531
CPMI[3]	**3,548**	**2,616**	**2,715**	**2,594**	**2,595**	**159**	**193**	**207**	**211**	**240**

Table 8 (cont)

	Value as a ratio to GDP					Value as a ratio to deposits held by non-banks[4]				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	9.9	9.9	10.0	9.7	9.9	8.9	8.1	8.2	7.6	6.9
Belgium	10.7	9.9	10.6	17.2	15.4	30.4	23.9	23.9	39.8	31.2
Brazil	5.9	6.8	7.4	7.2	7.1	181.2	185.3	224.8	249.3	302.4
Canada	3.2	3.3	3.3	3.3	3.5	10.0	9.8	9.6	9.8	9.6
China	16.6	18.2	21.1	21.9	39.9	nav	nav	nav	nav	nav
France	13.8	13.3	12.6	12.7	11.5	50.6	42.5	38.5	42.1	32.1
Germany	26.2	26.0	25.0	18.2	18.7	60.1	48.0	44.3	35.3	31.2
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	9.8	8.3	8.0	7.4	7.5	13.8	10.4	10.2	9.2	9.4
Italy	6.1	6.1	6.1	5.5	5.2	14.2	12.5	12.0	11.5	nav
Japan	6.2	6.3	6.6	6.5	nav	7.3	7.5	7.5	7.2	nav
Korea	16.0	15.4	14.8	14.9	15.5	227.3	195.3	178.1	183.3	156.5
Mexico	17.5	16.5	16.2	15.6	15.4	151.7	128.0	114.0	113.2	100.5
Netherlands	8.9	9.0	26.9	26.7	29.2	18.8	15.9	45.6	41.5	40.8
Russia	7.4	7.5	8.1	8.5	9.4	51.1	48.1	53.6	92.6	78.3
Saudi Arabia	23.7	25.8	21.8	21.7	23.1	nav	nav	nav	nav	nav
Singapore	3.1	2.9	3.0	2.9	2.9	2.1	1.9	2.1	2.1	2.1
South Africa	43.7	50.0	61.9	69.5	6.6	59.2	64.8	85.9	94.2	9.7
Sweden	3.8	4.1	4.1	4.1	3.5	5.3	4.9	4.9	5.3	nav
Switzerland	7.2	6.6	6.5	6.5	7.5	8.8	5.5	5.7	6.4	6.3
Turkey	0.4	0.7	4.1	4.3	4.4	0.8	1.3	7.1	7.0	6.8
United Kingdom	43.0	46.3	43.7	40.6	39.8	25.3	23.1	21.4	23.0	22.5
United States	nav	10.0	10.0	10.4	9.5	nav	92.1	87.1	86.2	78.4
CPMI[3]	**14.0**	**13.3**	**14.1**	**14.2**	**17.9**	**22.6**	**25.6**	**26.5**	**27.0**	**29.7**

Please refer to the individual country tables for a detailed explanation.

[1] Converted at yearly average exchange rates, except as noted. [2] Total value of transactions in domestic currency deflated by yearly average CPI inflation. For the CPMI area, in US dollar terms. [3] Sum or average excluding those countries for which data are not available. Data for France (prior to 2005) and the United Kingdom include interbank transactions in credit transfers. Since the value of these transactions is relatively large, cross-country comparison and the CPMI figures should be treated with caution. [4] For Italy, as a ratio to deposits held only at banks.

Table 9

Use of payment instruments by non-banks: value of transactions per payment instrument

(USD billions, total for the year) [1]

	Credit transfers					Direct debits				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	7,104	7,408	7,438	7,110	6,163	5,988	6,087	5,662	5,060	4,324
Belgium	5,409	4,695	5,278	8,858	6,781	93	91	104	159	112
Brazil	12,032	12,884	13,995	13,649	10,174	1,475	1,945	2,578	2,134	1,292
Canada	1,794	2,045	2,177	2,192	2,010	588	575	594	582	529
China	72,129	99,637	142,163	175,601	386,952	nav	nav	nav	nav	nav
France	34,122	30,962	30,798	31,894	23,989	1,842	1,683	1,858	2,009	1,582
Germany	79,368	74,523	75,649	65,600	58,069	18,475	16,980	17,724	4,256	4,278
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	15,922	13,228	13,311	13,370	14,172	18	20	22	29	26
Italy	11,228	10,083	10,666	9,669	7,696	496	495	473	420	398
Japan[2]	33,302	32,803	29,063	26,997	nav	nav	nav	nav	nav	nav
Korea	11,175	11,668	12,669	14,518	15,606	145	156	165	169	159
Mexico	19,642	18,748	19,628	19,514	16,927	18	19	22	22	22
Netherlands	7,440	6,982	22,818	23,044	21,502	391	373	369	290	271
Russia	14,770	15,683	17,516	16,878	12,029	49	42	49	49	32
Saudi Arabia	924	1,079	1,219	1,381	1,422	0.1	0.1	0.1	0.2	0.2
Singapore	157	170	185	192	215	58	64	68	72	71
South Africa	2,144	2,095	2,108	2,032	1,870	139	152	137	115	102
Sweden	1,941	2,014	2,176	2,152	1,546	84	80	85	81	57
Switzerland	4,854	4,233	4,261	4,373	4,833	81	88	92	93	85
Turkey	nav	213	2,993	3,030	2,795	nap	nap	nap	nap	nap
United Kingdom	108,231	118,903	114,968	117,752	109,955	1,675	1,704	1,743	1,922	1,903
United States	nav	69,404	74,298	79,060	83,058	nav	61,793	63,225	75,363	63,813
CPMI[3]	**nap**	**nap**	**nap**	**nap**	**nap**	**31,615**	**92,348**	**94,969**	**92,826**	**79,056**

Table 9 (cont)

	Cheques					E-money payment transactions				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	1,332	1,254	1,172	1,104	917	nap	nap	nap	nap	nap
Belgium	65	48	45	32	23	0.322	0.293	0.187	0.476	0.406
Brazil	1,663	1,479	1,350	1,190	762	1.255	1.156	1.527	0.751	0.387
Canada	2,966	2,992	2,850	2,696	2,344	nav	nav	nav	nav	nav
China	46,605	46,945	46,455	43,950	38,252	nap	nap	nap	nap	nap
France	2,485	2,091	1,752	1,613	1,261	0.141	0.145	0.145	0.324	0.446
Germany	350	291	267	227	170	0.170	0.155	0.143	0.586	0.540
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	2,121	1,873	1,593	1,400	1,276	1.329	1.481	1.405	3.488	7.603
Italy	1,103	873	773	707	547	13.507	16.293	15.603	17.889	18.824
Japan[2]	4,763	4,629	3,754	3,144	2,470	26.052	31.230	33.448	38.203	39.868
Korea	7,420	6,435	5,849	5,671	4,996	1.866	1.437	1.111	0.949	0.743
Mexico	798	761	728	668	553	nap	nap	nap	nap	nap
Netherlands	nav	nav	2	3	2	0.595	0.440	0.364	0.219	0.023
Russia	0	0	0	0	0	6.757	12.498	18.560	22.696	10.664
Saudi Arabia	211	223	234	239	202	nap	nap	nap	nap	nap
Singapore	544	555	579	553	490	1.747	1.881	1.954	2.043	1.980
South Africa	163	104	52	35	23	nap	nap	nap	nap	nap
Sweden	5	6	2	1	1	nap	nap	nap	nap	0.001
Switzerland	2	1	1	nav	nav	0.056	0.011	0.011	nav	1.599
Turkey	165	177	184	185	163	nav	nav	nav	nav	nav
United Kingdom	1,543	1,355	1,146	1,142	954	nav	nav	nav	nav	nav
United States	28,063	26,033	24,178	21,704	18,405	nav	nav	nav	nav	nav
CPMI[3]	**102,368**	**98,125**	**92,967**	**86,263**	**73,811**	**53.797**	**67.021**	**74.458**	**87.624**	**83.082**

Please refer to the individual country tables for a detailed explanation.

[1] Converted at yearly average exchange rates, except as noted. [2] For credit transfers and e-money payment transactions, total transactions during the fiscal year ending March of the following year, converted at average fiscal year exchange rates. [3] Sum or average excluding those countries for which data are not available. For credit transfers, data for France (prior to 2005) and the United Kingdom include interbank transactions. Since the value of these transactions is relatively large, cross-country comparison should be treated with caution; consequently, CPMI figures related to credit transfers have not been calculated.

Table 9 (cont)

	Card payments (except e-money)					*of which: by cards with a debit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	409.0	439.1	433.2	436.7	388.2	*159.7*	*178.4*	*181.3*	*187.0*	*170.2*
Belgium	88.0	85.9	94.9	97.7	86.1	*70.0*	*69.1*	*75.3*	*79.0*	*66.8*
Brazil	367.0	370.2	393.5	411.2	319.8	*117.1*	*121.6*	*135.8*	*148.0*	*116.7*
Canada	519.4	546.4	554.3	556.6	494.9	*184.7*	*190.5*	*190.4*	*191.0*	*169.7*
China	2,354.4	3,298.8	5,139.9	6,899.6	8,831.2	*nav*	*nav*	*nav*	*nav*	*nav*
France	547.3	541.3	582.1	588.0	520.7	*nav*	*nav*	*nav*	*286.2*	*284.6*
Germany	259.8	254.6	296.8	315.6	269.7	*191.7*	*187.3*	*216.5*	*211.1*	*176.3*
Hong Kong SAR	nav	nav	nav	nav	nav	*nav*	*nav*	*nav*	*nav*	*nav*
India	272.7	350.8	380.6	421.8	462.1	*255.0*	*325.1*	*351.5*	*387.1*	*420.4*
Italy	170.5	158.3	172.1	188.7	174.5	*93.2*	*94.6*	*104.6*	*117.2*	*114.4*
Japan	482.0	517.1	433.1	441.6	415.1	*8.2*	*7.0*	*5.0*	*4.4*	*3.5*
Korea	476.3	506.5	545.3	598.7	606.6	*63.0*	*75.3*	*87.8*	*108.2*	*118.8*
Mexico	65.6	75.6	89.6	93.2	95.9	*28.9*	*33.5*	*41.2*	*45.5*	*45.6*
Netherlands	133.9	126.8	136.9	145.2	130.0	*118.3*	*112.3*	*121.8*	*129.2*	*115.2*
Russia	115.1	168.4	255.7	317.5	270.2	*106.8*	*154.7*	*232.9*	*290.2*	*250.6*
Saudi Arabia	186.4	207.4	222.8	248.3	270.8	*180.6*	*199.5*	*214.1*	*237.9*	*258.2*
Singapore	49.4	53.8	58.6	61.4	58.6	*21.4*	*23.1*	*24.6*	*25.4*	*23.7*
South Africa	63.1	63.6	64.7	69.3	69.2	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	122.6	125.3	138.1	142.9	108.6	*88.9*	*91.0*	*101.0*	*104.8*	*79.3*
Switzerland	68.3	68.3	72.3	77.1	82.2	*35.4*	*35.5*	*37.0*	*39.4*	*46.0*
Turkey	165.0	193.0	215.0	209.9	193.3	*7.2*	*9.1*	*11.7*	*13.4*	*13.8*
United Kingdom	804.6	809.6	876.5	998.1	1,019.2	*558.9*	*565.5*	*626.9*	*723.1*	*751.8*
United States	4,097.1	4,417.6	4,762.0	5,156.6	5,527.1	*1,846.8*	*1,975.8*	*2,130.7*	*2,279.7*	*2,444.8*
CPMI[1]	**11,817.5**	**13,378.4**	**15,918.0**	**18,475.7**	**20,394.1**	***4,135.8***	***4,449.0***	***4,889.9***	***5,608.0***	***5,670.6***

Table 9 (cont)

	by cards with a delayed debit function					*by cards with a credit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	*nav*	*nav*	*nav*	*nav*	*nav*	*249.3*	*260.6*	*252.0*	*249.8*	*218.0*
Belgium	*18.0*	*16.8*	*19.6*	*18.2*	*18.9*	*nav*	*nav*	*nav*	*0.5*	*0.5*
Brazil	*nav*	*nav*	*nav*	*nav*	*nav*	*250.0*	*248.6*	*257.7*	*263.1*	*203.0*
Canada[2]	*nap*	*nap*	*nap*	*nap*	*nap*	*334.7*	*355.8*	*363.9*	*365.5*	*325.2*
China	*nap*	*nap*	*nap*	*nap*	*nap*	*nav*	*nav*	*nav*	*nav*	*nav*
France[3]	*nav*	*nav*	*nav*	*102.9*	*123.0*	*nav*	*nav*	*nav*	*7.4*	*14.6*
Germany	*63.7*	*63.1*	*74.4*	*97.6*	*87.1*	*4.4*	*4.2*	*5.9*	*6.8*	*6.3*
Hong Kong SAR	*nav*	*nav*	*nav*	*nav*	*nav*	*52.4*	*57.9*	*61.9*	*66.9*	*71.9*
India	*2.4*	*2.4*	*2.6*	*3.2*	*3.7*	*15.3*	*23.3*	*26.5*	*31.5*	*38.0*
Italy[4]	*nav*	*nav*	*nav*	*nav*	*60.0*	*77.3*	*63.7*	*67.5*	*71.5*	*nap*
Japan	*nav*	*nav*	*nav*	*nav*	*nav*	*473.9*	*510.2*	*428.1*	*437.2*	*411.6*
Korea	*nap*	*nap*	*nap*	*nap*	*nap*	*413.3*	*431.2*	*457.5*	*490.6*	*487.8*
Mexico	*nap*	*nap*	*nap*	*nap*	*nap*	*36.7*	*42.1*	*48.3*	*47.7*	*50.3*
Netherlands	*15.6*	*14.5*	*15.1*	*16.1*	*14.9*	*nav*	*nav*	*nav*	*nav*	*nav*
Russia	*nav*	*nav*	*nav*	*nav*	*nav*	*8.2*	*13.7*	*22.7*	*27.3*	*19.6*
Saudi Arabia	*nap*	*nap*	*nap*	*nap*	*nap*	*5.8*	*7.9*	*8.7*	*10.4*	*12.5*
Singapore[2]	*nav*	*nav*	*nav*	*nav*	*nav*	*28.0*	*30.7*	*34.0*	*35.9*	*34.9*
South Africa	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	*5.4*	*4.9*	*5.4*	*5.3*	*4.8*	*28.3*	*29.4*	*31.7*	*32.8*	*24.5*
Switzerland[4]	*nav*	*nav*	*nav*	*nav*	*nav*	*32.9*	*32.8*	*35.3*	*37.7*	*36.2*
Turkey	*nap*	*nap*	*nap*	*nap*	*nap*	*157.8*	*183.9*	*203.3*	*196.5*	*179.5*
United Kingdom	*57.3*	*53.9*	*51.8*	*53.6*	*44.8*	*188.4*	*190.2*	*197.8*	*221.4*	*222.6*
United States	*nav*	*nav*	*nav*	*nav*	*nav*	*2,250.3*	*2,441.8*	*2,631.4*	*2,876.9*	*3,082.3*
CPMI[1]	***162.3***	***155.5***	***168.9***	***296.8***	***357.2***	***4,607.1***	***4,928.0***	***5,134.4***	***5,477.4***	***5,439.5***

Please refer to the individual country tables for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available. [2] For cards with a credit function, includes charge cards. [3] A breakdown by types of function is not available. [4] For cards with a credit function, includes cards with a delayed debit function.

Table 9a

Use of payment instruments by non-banks: relative importance of payment instruments, in value of transactions

(% of total value of transactions)

	Credit transfers					Direct debits				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	47.9	48.8	50.6	51.9	52.3	40.4	40.1	38.5	36.9	36.7
Belgium	95.7	95.4	95.6	96.8	96.8	1.6	1.9	1.9	1.7	1.6
Brazil	77.4	77.2	76.4	78.5	81.1	9.5	11.7	14.1	12.3	10.3
Canada	30.6	33.2	35.3	36.4	37.4	10.0	9.3	9.6	9.7	9.8
China	59.6	66.5	73.4	77.5	89.2	nav	nav	nav	nav	nav
France	87.5	87.8	88.0	88.3	87.7	4.7	4.8	5.3	5.6	5.8
Germany	80.6	81.0	80.5	93.2	92.5	18.8	18.4	18.9	6.0	6.8
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	86.8	85.5	87.0	87.8	88.9	0.1	0.1	0.1	0.2	0.2
Italy	86.3	86.7	88.1	87.9	87.1	3.8	4.3	3.9	3.8	4.5
Japan	86.3	86.4	87.3	88.2	nav	nav	nav	nav	nav	nav
Korea	58.1	62.2	65.9	69.3	73.0	0.8	0.8	0.9	0.8	0.7
Mexico	95.7	95.6	95.9	96.1	96.2	0.1	0.1	0.1	0.1	0.1
Netherlands	93.4	93.3	97.8	98.1	98.2	4.9	5.0	1.6	1.2	1.2
Russia	98.9	98.6	98.2	97.7	97.5	0.3	0.3	0.3	0.3	0.3
Saudi Arabia	69.9	71.5	72.7	73.9	75.0	0.0	0.0	0.0	0.0	0.0
Singapore	19.4	20.2	20.7	21.8	25.7	7.2	7.5	7.6	8.2	8.4
South Africa	85.4	86.8	89.3	90.2	90.6	5.6	6.3	5.8	5.1	4.9
Sweden	90.2	90.5	90.6	90.5	90.3	3.9	3.6	3.5	3.4	3.3
Switzerland	97.0	96.4	96.3	96.3	96.6	1.6	2.0	2.1	2.0	1.7
Turkey	nav	36.6	88.2	88.5	88.7	nap	nap	nap	nap	nap
United Kingdom	96.4	96.8	96.8	96.7	96.6	1.5	1.4	1.5	1.6	1.7
United States	nav	42.9	44.6	43.6	48.6	nav	38.2	38.0	41.6	37.4
CPMI[1]	**nap**	**nap**	**nap**	**nap**	**nap**	**21.7**	**45.3**	**46.6**	**47.0**	**45.6**

Table 9a (cont)

	Cheques					E-money payment transactions				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	9.0	8.3	8.0	8.1	7.8	nap	nap	nap	nap	nap
Belgium	1.1	1.0	0.8	0.3	0.3	0.01	0.01	0.00	0.01	0.01
Brazil	10.7	8.9	7.4	6.8	6.1	0.01	0.01	0.01	0.00	0.00
Canada	50.5	48.6	46.2	44.7	43.6	nav	nav	nav	nav	nav
China	38.5	31.3	24.0	19.4	8.8	nap	nap	nap	nap	nap
France	6.4	5.9	5.0	4.5	4.6	0.00	0.00	0.00	0.00	0.00
Germany	0.4	0.3	0.3	0.3	0.3	0.00	0.00	0.00	0.00	0.00
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	11.6	12.1	10.4	9.2	8.0	0.01	0.01	0.01	0.02	0.05
Italy	8.5	7.5	6.4	6.4	6.2	0.10	0.14	0.13	0.16	0.21
Japan	12.3	12.2	11.3	10.3	nav	0.07	0.08	0.10	0.12	nav
Korea	38.6	34.3	30.4	27.1	23.4	0.01	0.01	0.01	0.00	0.00
Mexico	3.9	3.9	3.6	3.3	3.1	nap	nap	nap	nap	nap
Netherlands	nav	nav	0.0	0.0	0.0	0.01	0.01	0.00	0.00	0.00
Russia	0.0	0.0	0.0	0.0	0.0	0.05	0.08	0.10	0.13	0.09
Saudi Arabia	16.0	14.8	14.0	12.8	10.7	nap	nap	nap	nap	nap
Singapore	67.1	65.7	64.8	62.8	58.6	0.22	0.22	0.22	0.23	0.24
South Africa	6.5	4.3	2.2	1.6	1.1	nap	nap	nap	nap	nap
Sweden	0.2	0.3	0.1	0.0	0.0	nap	nap	nap	nap	0.00
Switzerland	0.0	0.0	0.0	nav	nav	0.00	0.00	0.00	nav	0.03
Turkey	50.0	30.3	5.4	5.4	5.2	nav	nav	nav	nav	nav
United Kingdom	1.4	1.1	1.0	0.9	0.8	nav	nav	nav	nav	nav
United States	87.3	16.1	14.5	12.0	10.8	nav	nav	nav	nav	nav
CPMI[1]	**70.2**	**48.1**	**45.6**	**43.6**	**42.6**	**0.04**	**0.03**	**0.04**	**0.04**	**0.05**

Please refer to the individual country tables for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available. For credit transfers, data for France (prior to 2005) and the United Kingdom include interbank transactions. Since the value of these transactions is relatively large, cross-country comparison should be treated with caution; consequently, CPMI figures for credit transfers have not been calculated. The CPMI figures calculated ignore credit transfer data throughout.

Table 9a (cont)

	Card payments (except e-money)					*of which: by cards with a debit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	2.8	2.9	2.9	3.2	3.3	*1.08*	*1.17*	*1.23*	*1.36*	*1.44*
Belgium	1.6	1.7	1.7	1.1	1.2	*1.24*	*1.40*	*1.36*	*0.86*	*0.95*
Brazil	2.4	2.2	2.1	2.4	2.5	*0.75*	*0.73*	*0.74*	*0.85*	*0.93*
Canada	8.9	8.9	9.0	9.2	9.2	*3.15*	*3.09*	*3.08*	*3.17*	*3.16*
China	1.9	2.2	2.7	3.0	2.0	*nav*	*nav*	*nav*	*nav*	*nav*
France	1.4	1.5	1.7	1.6	1.9	*nav*	*nav*	*nav*	*0.79*	*1.04*
Germany	0.3	0.3	0.3	0.4	0.4	*0.19*	*0.20*	*0.23*	*0.30*	*0.28*
Hong Kong SAR	nav	nav	nav	nav	nav	*nav*	*nav*	*nav*	*nav*	*nav*
India	1.5	2.3	2.5	2.8	2.9	*1.39*	*2.10*	*2.30*	*2.54*	*2.64*
Italy	1.3	1.4	1.4	1.7	2.0	*0.72*	*0.81*	*0.86*	*1.07*	*1.30*
Japan	1.2	1.4	1.3	1.4	nav	*0.02*	*0.02*	*0.01*	*0.01*	*nav*
Korea	2.5	2.7	2.8	2.9	2.8	*0.33*	*0.40*	*0.46*	*0.52*	*0.56*
Mexico	0.3	0.4	0.4	0.5	0.5	*0.14*	*0.17*	*0.20*	*0.22*	*0.26*
Netherlands	1.7	1.7	0.6	0.6	0.6	*1.49*	*1.50*	*0.52*	*0.55*	*0.53*
Russia	0.8	1.1	1.4	1.8	2.2	*0.71*	*0.97*	*1.31*	*1.68*	*2.03*
Saudi Arabia	14.1	13.7	13.3	13.3	14.3	*13.67*	*13.21*	*12.77*	*12.73*	*13.63*
Singapore	6.1	6.4	6.6	7.0	7.0	*2.63*	*2.73*	*2.75*	*2.89*	*2.84*
South Africa	2.5	2.6	2.7	3.1	3.4	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	5.7	5.6	5.8	6.0	6.3	*4.13*	*4.09*	*4.21*	*4.41*	*4.63*
Switzerland	1.4	1.6	1.6	1.7	1.6	*0.71*	*0.81*	*0.84*	*0.87*	*0.92*
Turkey	50.0	33.1	6.3	6.1	6.1	*2.18*	*1.56*	*0.34*	*0.39*	*0.44*
United Kingdom	0.7	0.7	0.7	0.8	0.9	*0.50*	*0.46*	*0.53*	*0.59*	*0.66*
United States	12.7	2.7	2.9	2.8	3.2	*5.74*	*1.22*	*1.28*	*1.26*	*1.43*
CPMI[1]	**8.1**	**6.6**	**7.8**	**9.3**	**11.8**	***2.84***	***2.18***	***2.40***	***2.84***	***3.27***

Table 9a (cont)

	by cards with a delayed debit function					*by cards with a credit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	*nav*	*nav*	*nav*	*nav*	*nav*	*1.7*	*1.7*	*1.7*	*1.8*	*1.8*
Belgium	*0.3*	*0.3*	*0.4*	*0.2*	*0.3*	*nav*	*nav*	*nav*	*0.0*	*0.0*
Brazil	*nav*	*nav*	*nav*	*nav*	*nav*	*1.6*	*1.5*	*1.4*	*1.5*	*1.6*
Canada	*nap*	*nap*	*nap*	*nap*	*nap*	*5.7*	*5.8*	*5.9*	*6.1*	*6.0*
China	*nap*	*nap*	*nap*	*nap*	*nap*	*nav*	*nav*	*nav*	*nav*	*nav*
France	*nav*	*nav*	*nav*	*0.3*	*0.4*	*nav*	*nav*	*nav*	*0.0*	*0.1*
Germany	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*
Hong Kong SAR	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*
India	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.1*	*0.2*	*0.2*	*0.2*	*0.2*
Italy	*nav*	*nav*	*nav*	*nav*	*0.7*	*0.6*	*0.5*	*0.6*	*0.6*	*nap*
Japan	*nav*	*nav*	*nav*	*nav*	*nav*	*1.2*	*1.3*	*1.3*	*1.4*	*nav*
Korea	*nap*	*nap*	*nap*	*nap*	*nap*	*2.2*	*2.3*	*2.4*	*2.3*	*2.3*
Mexico	*nap*	*nap*	*nap*	*nap*	*nap*	*0.2*	*0.2*	*0.2*	*0.2*	*0.3*
Netherlands	*0.2*	*0.2*	*0.1*	*0.1*	*0.1*	*nav*	*nav*	*nav*	*nav*	*nav*
Russia	*nav*	*nav*	*nav*	*nav*	*nav*	*0.1*	*0.1*	*0.1*	*0.2*	*0.2*
Saudi Arabia	*nap*	*nap*	*nap*	*nap*	*nap*	*0.4*	*0.5*	*0.5*	*0.6*	*0.7*
Singapore	*nav*	*nav*	*nav*	*nav*	*nav*	*3.5*	*3.6*	*3.8*	*4.1*	*4.2*
South Africa	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	*0.3*	*0.2*	*0.2*	*0.2*	*0.3*	*1.3*	*1.3*	*1.3*	*1.4*	*1.4*
Switzerland	*nav*	*nav*	*nav*	*nav*	*nav*	*0.7*	*0.7*	*0.8*	*0.8*	*0.7*
Turkey	*nap*	*nap*	*nap*	*nap*	*nap*	*47.8*	*31.5*	*6.0*	*5.7*	*5.7*
United Kingdom	*0.1*	*0.0*	*0.0*	*0.0*	*0.0*	*0.2*	*0.2*	*0.2*	*0.2*	*0.2*
United States	*nav*	*nav*	*nav*	*nav*	*nav*	*7.0*	*1.5*	*1.6*	*1.6*	*1.8*
CPMI[1]	***0.1***	***0.1***	***0.1***	***0.2***	***0.2***	***3.2***	***2.4***	***2.5***	***2.8***	***3.1***

Please refer to the individual country tables and the footnotes to Comparative Table 9 for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available. The CPMI figures calculated ignore credit transfer data throughout.

Table 9b

Use of payment instruments by non-banks: increase in the real value of transactions

(% change on previous year, adjusted by CPI inflation) [1]

	Credit transfers					Direct debits				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	6.9	2.2	5.8	0.4	2.6	6.8	-0.4	-2.0	-6.2	1.2
Belgium	2.2	-8.4	7.4	67.2	-9.0	16.8	4.0	8.5	52.6	-16.0
Brazil	9.8	18.1	13.3	-0.1	-4.5	12.4	45.4	38.3	-15.2	-22.5
Canada	9.2	13.5	8.7	6.0	5.0	5.3	-2.7	5.4	3.1	4.2
China	21.9	31.6	36.4	20.1	121.2	nav	nav	nav	nav	nav
France	12.1	-3.9	-4.7	3.0	-10.1	14.8	-3.2	5.7	7.6	-5.9
Germany	9.2	-0.4	-3.4	-13.9	5.8	12.7	-2.5	-0.6	-76.1	20.1
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	-3.6	-12.5	0.9	-5.8	4.8	1.1	19.4	7.1	23.7	-10.7
Italy	-1.2	-5.9	1.0	-9.5	-4.9	-5.0	4.6	-8.6	-11.4	13.1
Japan	4.1	3.6	6.5	-0.8	nav	nav	nav	nav	nav	nav
Korea	11.2	3.9	4.2	8.8	14.7	4.2	7.2	1.1	-2.8	0.5
Mexico	12.0	-2.9	-2.2	-0.4	0.7	27.8	6.8	6.0	2.4	14.6
Netherlands	-9.5	-1.2	208.2	0.8	11.4	-5.0	0.5	-6.7	-21.6	11.7
Russia	9.1	5.4	7.4	3.2	0.9	1.9	-15.4	12.2	6.4	-7.1
Saudi Arabia	15.9	13.5	9.1	10.3	0.8	3.8	8.2	10.2	3.3	8.4
Singapore	4.8	3.0	6.3	3.9	22.2	3.7	3.8	4.6	6.3	6.5
South Africa	4.0	4.6	12.2	3.2	2.8	22.4	16.8	0.3	-9.9	-1.2
Sweden	7.9	7.3	3.4	4.0	-12.3	6.3	-0.6	1.0	0.7	-15.0
Switzerland	8.3	-7.0	-0.4	1.3	17.6	7.0	15.9	3.7	-0.4	-2.7
Turkey	nav	nav	1,284.5	7.7	5.4	nav	nav	nav	nav	nav
United Kingdom	-0.6	8.1	-4.5	-4.2	0.5	5.5	0.1	1.1	3.2	6.6
United States	nav	nav	5.7	4.9	5.2	nav	nav	1.1	17.5	-15.2
CPMI[2]	**nap**	**nap**	**nap**	**nap**	**nap**	**16.8**	**-5.8**	**0.5**	**-4.6**	**-16.0**

Table 9b (cont)

	Cheques					E-money payment transactions				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	-12.4	-7.7	-1.6	-1.0	-1.7	nav	nav	nav	nav	nav
Belgium	10.2	-22.3	-9.7	-29.8	-12.4	-15.0	-4.2	-39.1	154.2	1.3
Brazil	-2.8	-1.9	-4.7	-9.7	-18.0	16.5	1.6	37.8	-49.6	-34.0
Canada	-0.5	0.4	-2.8	-0.5	-0.4	nav	nav	nav	nav	nav
China	0.4	-4.1	-5.4	-8.0	-12.7	nav	nav	nav	nav	nav
France	-4.4	-10.9	-19.7	-8.4	-6.6	8.6	9.1	-4.4	122.7	64.3
Germany	-6.8	-11.8	-12.7	-15.5	-10.8	-15.0	-2.9	-12.1	305.6	10.3
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	-12.8	-7.1	-14.7	-17.6	-9.9	285.8	17.4	-4.9	132.9	115.4
Italy	-8.8	-17.1	-15.4	-8.6	-7.6	27.1	26.4	-8.5	14.5	25.7
Japan	1.3	-2.7	-1.1	-11.7	-10.8	19.1	26.1	28.8	21.9	13.1
Korea	-7.6	-13.7	-12.8	-7.9	-6.0	-18.7	-23.4	-25.8	-18.9	-16.5
Mexico	-3.9	-3.0	-10.6	-8.2	-3.8	nav	nav	nav	nav	nav
Netherlands	nav	nav	nav	16.1	4.9	-11.1	-22.1	-22.0	-40.0	-87.6
Russia	-77.0	-69.8	-65.8	-38.7	-100.0	156.9	83.6	42.8	31.0	-33.5
Saudi Arabia	5.4	2.9	1.4	-0.6	-17.4	nav	nav	nav	nav	nav
Singapore	-1.9	-3.1	2.0	-4.3	-3.4	5.8	2.3	1.6	4.8	5.7
South Africa	-33.5	-31.8	-44.2	-27.0	-27.1	nav	nav	nav	nav	nav
Sweden	11.7	33.1	-68.9	-49.3	-31.0	nav	nav	nav	nav	nav
Switzerland	-17.0	-16.7	-19.0	nav	nav	-28.7	-79.9	0.2	nav	nav
Turkey	9.4	8.3	2.8	6.7	0.7	nav	nav	nav	nav	nav
United Kingdom	-15.8	-13.6	-16.4	-6.8	-10.1	nav	nav	nav	nav	nav
United States	-10.7	-9.1	-8.3	-11.5	-15.1	nav	nav	nav	nav	nav
CPMI[2]	**-0.8**	**-6.6**	**-7.4**	**-9.5**	**-15.6**	**34.4**	**21.4**	**8.6**	**14.8**	**-8.3**

Please refer to the individual country tables for a detailed explanation.

[1] Value of transactions in domestic currency deflated by yearly average CPI inflation. For the CPMI area, in US dollar terms. [2] Sum or average excluding those countries for which data are not available. For credit transfers, data for France (prior to 2005) and the United Kingdom include interbank transactions. Since the value of these transactions is relatively large, cross-country comparison should be treated with caution; consequently, CPMI figures for credit transfers have not been calculated.

Comparative tables

	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia	4.8	5.2	4.0	5.8	5.3	*9.9*	*9.5*	*7.1*	*8.3*	*7.8*
Belgium	4.3	3.0	5.6	2.5	4.8	*4.2*	*4.1*	*4.1*	*4.6*	*0.4*
Brazil	13.8	11.3	10.9	7.0	-0.4	*15.4*	*14.6*	*16.5*	*11.7*	*1.0*
Canada	3.6	4.7	3.6	5.7	1.8	*1.1*	*2.7*	*2.0*	*5.6*	*1.7*
China	38.4	33.4	49.0	30.5	28.5	*nav*	*nav*	*nav*	*nav*	*nav*
France	5.9	4.8	3.0	0.5	5.8	*nav*	*nav*	*nav*	*nav*	*18.9*
Germany	7.8	4.0	11.0	5.6	2.1	*7.1*	*3.6*	*10.0*	*-3.2*	*-0.2*
Hong Kong SAR	nav	nav	nav	nav	nav	*nav*	*nav*	*nav*	*nav*	*nav*
India	-5.9	35.4	3.8	4.0	8.3	*-6.1*	*34.2*	*8.4*	*3.3*	*7.3*
Italy	-0. 1 Tf	. 0 Td	[(698r5)1.2(l)5.6(y)]TJ	-0.008924.0						

Table 9d (cont)

	Card payments (except e-money)					*of which: by cards with a debit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	18,265	19,275	18,706	18,581	16,294	*7,132*	*7,834*	*7,826*	*7,954*	*7,145*
Belgium	8,017	7,771	8,549	8,760	7,643	*6,380*	*6,251*	*6,781*	*7,085*	*5,925*
Brazil	1,859	1,858	1,957	2,028	1,564	*593*	*610*	*675*	*730*	*571*
Canada	15,143	15,745	15,793	15,679	13,817	*5,385*	*5,491*	*5,424*	*5,382*	*4,738*
China	1,752	2,442	3,777	5,044	6,424	*nav*	*nav*	*nav*	*nav*	*nav*
France	8,428	8,296	8,878	8,899	7,845	*nav*	*nav*	*nav*	*4,331*	*4,288*
Germany	3,236	3,166	3,681	3,897	3,302	*2,388*	*2,329*	*2,685*	*2,607*	*2,159*
Hong Kong SAR	nav	nav	nav	nav	nav	*nav*	*nav*	*nav*	*nav*	*nav*
India	227	288	309	333	360	*212*	*267*	*285*	*306*	*328*
Italy	2,857	2,643	2,858	3,122	2,886	*1,562*	*1,580*	*1,737*	*1,939*	*1,893*
Japan	3,772	4,055	3,402	3,475	3,266	*64*	*55*	*39*	*35*	*28*
Korea	9,569	10,129	10,858	11,874	11,984	*1,266*	*1,505*	*1,748*	*2,145*	*2,347*
Mexico	603	650	761	784	798	*266*	*288*	*351*	*383*	*379*
Netherlands	8,021	7,568	8,146	8,611	7,678	*7,088*	*6,704*	*7,250*	*7,659*	*6,800*
Russia	805	1,176	1,782	2,208	1,846	*747*	*1,080*	*1,623*	*2,018*	*1,712*
Saudi Arabia	6,569	7,103	7,427	8,071	8,730	*6,364*	*6,832*	*7,137*	*7,733*	*8,326*
Singapore	9,522	10,129	10,850	11,219	10,594	*4,120*	*4,342*	*4,556*	*4,648*	*4,284*
South Africa	1,221	1,218	1,223	1,295	1,275	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	12,961	13,157	14,385	14,726	11,028	*9,395*	*9,562*	*10,514*	*10,797*	*8,047*
Switzerland	8,638	8,542	8,937	9,416	9,926	*4,477*	*4,435*	*4,578*	*4,813*	*5,556*
Turkey	2,208	2,552	2,804	2,701	2,455	*96*	*120*	*152*	*173*	*175*
United Kingdom	12,713	12,708	13,673	15,451	15,654	*8,831*	*8,877*	*9,779*	*11,194*	*11,546*
United States	13,149	14,074	15,064	16,198	17,196	*5,927*	*6,295*	*6,740*	*7,161*	*7,606*
CPMI[1]	**2,944**	**3,301**	**3,893**	**4,462**	**4,882**	***1,620***	***1,722***	***1,874***	***2,062***	***2,063***

Table 9d (cont)

	by cards with a delayed debit function					*by cards with a credit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	*nav*	*nav*	*nav*	*nav*	*nav*	*11,133*	*11,441*	*10,880*	*10,626*	*9,148*
Belgium	*1,637*	*1,520*	*1,768*	*1,628*	*1,676*	*nav*	*nav*	*nav*	*47*	*42*
Brazil	*nav*	*nav*	*nav*	*nav*	*nav*	*1,266*	*1,248*	*1,282*	*1,298*	*993*
Canada	*nap*	*nap*	*nap*	*nap*	*nap*	*9,758*	*10,255*	*10,368*	*10,297*	*9,079*
China	*nap*	*nap*	*nap*	*nap*	*nap*	*nav*	*nav*	*nav*	*nav*	*nav*
France	*nav*	*nav*	*nav*	*1,557*	*1,853*	*nav*	*nav*	*nav*	*111*	*220*
Germany	*793*	*785*	*922*	*1,206*	*1,066*	*54*	*52*	*73*	*84*	*77*
Hong Kong SAR	*nav*	*nav*	*nav*	*nav*	*nav*	*7,374*	*8,069*	*8,567*	*9,207*	*9,821*
India	*2*	*2*	*2*	*2*	*3*	*13*	*19*	*22*	*25*	*30*
Italy	*nav*	*nav*	*nav*	*nav*	*993*	*1,296*	*1,063*	*1,121*	*1,183*	*nap*
Japan	*nav*	*nav*	*nav*	*nav*	*nav*	*3,708*	*4,001*	*3,363*	*3,440*	*3,238*
Korea	*nap*	*nap*	*nap*	*nap*	*nap*	*8,303*	*8,624*	*9,110*	*9,729*	*9,637*
Mexico	*nap*	*nap*	*nap*	*nap*	*nap*	*338*	*362*	*411*	*401*	*418*
Netherlands	*933*	*863*	*896*	*952*	*878*	*nav*	*nav*	*nav*	*nav*	*nav*
Russia	*nav*	*nav*	*nav*	*nav*	*nav*	*58*	*95*	*158*	*190*	*134*
Saudi Arabia	*nap*	*nap*	*nap*	*nap*	*nap*	*205*	*271*	*290*	*338*	*404*
Singapore	*nav*	*nav*	*nav*	*nav*	*nav*	*5,403*	*5,787*	*6,294*	*6,570*	*6,310*
South Africa	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	*570*	*511*	*567*	*544*	*491*	*2,996*	*3,084*	*3,304*	*3,385*	*2,490*
Switzerland	*nav*	*nav*	*nav*	*nav*	*nav*	*4,162*	*4,107*	*4,359*	*4,603*	*4,370*
Turkey	*nap*	*nap*	*nap*	*nap*	*nap*	*2,112*	*2,432*	*2,652*	*2,528*	*2,280*
United Kingdom	*906*	*846*	*808*	*830*	*688*	*2,976*	*2,986*	*3,086*	*3,427*	*3,420*
United States	*nav*	*nav*	*nav*	*nav*	*nav*	*7,222*	*7,780*	*8,324*	*9,037*	*9,590*
CPMI[1]	***117***	***111***	***119***	***196***	***224***	***1,819***	***1,922***	***1,983***	***2,021***	***2,031***

Please refer to the individual country tables and the footnotes to Comparative Table 9 for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available.

Table 9e

Use of payment instruments by non-banks: value of transactions as a ratio to GDP

(in %, total for the year)

	Credit transfers					Direct debits				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	468	473	498	494	507	394.8	389.0	379.1	351.8	355.8
Belgium	1,026	944	1,015	1,666	1,490	17.6	18.4	20.0	30.0	24.7
Brazil	461	524	569	565	575	56.5	79.1	104.8	88.4	73.1
Canada	98	111	116	121	129	32.2	31.2	31.7	32.1	34.0
China	988	1,211	1,548	1,695	3,561	nav	nav	nav	nav	nav
France	1,192	1,156	1,096	1,123	992	64.4	62.8	66.1	70.7	65.4
Germany	2,112	2,104	2,016	1,692	1,727	491.5	479.5	472.4	109.8	127.2
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	851	711	692	653	669	1.0	1.1	1.1	1.4	1.2
Italy	493	487	501	450	423	21.8	23.9	22.2	19.6	21.8
Japan	540	529	564	556	nav	nav	nav	nav	nav	nav
Korea	929	955	971	1,029	1,133	12.1	12.8	12.6	12.0	11.5
Mexico	1,678	1,580	1,555	1,504	1,480	1.6	1.6	1.7	1.7	1.9
Netherlands	832	843	2,633	2,620	2,866	43.7	45.0	42.6	33.0	36.2
Russia	726	728	785	822	903	2.4	1.9	2.2	2.4	2.4
Saudi Arabia	138	147	164	183	220	0.0	0.0	0.0	0.0	0.0
Singapore	59	59	61	63	73	22.0	22.2	22.6	23.6	24.1
South Africa	514	529	573	578	594	33.4	38.3	37.2	32.7	32.3
Sweden	345	370	376	375	312	14.8	14.8	14.7	14.2	11.4
Switzerland	696	637	622	622	721	11.6	13.2	13.5	13.2	12.7
Turkey	nav	27	363	379	389	nap	nap	nap	nap	nap
United Kingdom	4,147	4,481	4,228	3,924	3,849	64.2	64.2	64.1	64.0	66.6
United States	nav	430	445	455	460	nav	382.5	378.8	433.3	353.8
CPMI[1]	**nap**	**nap**	**nap**	**nap**	**nap**	**113.8**	**213.1**	**212.4**	**202.5**	**185.4**

Table 9e (cont)

	Cheques					E-money payment transactions				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	87.8	80.2	78.4	76.8	75.5	nap	nap	nap	nap	nap
Belgium	12.3	9.6	8.7	6.0	5.1	0.06	0.06	0.04	0.09	0.09
Brazil	63.7	60.2	54.9	49.3	43.1	0.05	0.05	0.06	0.03	0.02
Canada	162.2	162.6	152.2	148.9	150.5	nav	nav	nav	nav	nav
China	638.5	570.7	505.8	424.2	352.0	nap	nap	nap	nap	nap
France	86.8	78.0	62.4	56.8	52.1	0.00	0.01	0.01	0.01	0.02
Germany	9.3	8.2	7.1	5.9	5.0	0.00	0.00	0.00	0.02	0.02
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	113.3	100.7	82.9	68.4	60.3	0.07	0.08	0.07	0.17	0.36
Italy	48.4	42.1	36.3	32.9	30.0	0.59	0.79	0.73	0.83	1.03
Japan	77.3	74.6	72.8	64.8	56.4	0.42	0.50	0.65	0.79	0.91
Korea	617.0	526.5	448.1	401.9	362.7	0.16	0.12	0.09	0.07	0.05
Mexico	68.2	64.1	57.7	51.4	48.4	nap	nap	nap	nap	nap
Netherlands	nav	nav	0.3	0.3	0.3	0.07	0.05	0.04	0.02	0.00
Russia	0.0	0.0	0.0	0.0	0.0	0.33	0.58	0.83	1.11	0.80
Saudi Arabia	31.5	30.4	31.5	31.7	31.3	nap	nap	nap	nap	nap
Singapore	204.9	193.5	191.6	180.5	167.3	0.66	0.66	0.65	0.67	0.68
South Africa	39.0	26.2	14.1	10.1	7.3	nap	nap	nap	nap	nap
Sweden	0.8	1.1	0.3	0.2	0.1	nap	nap	nap	nap	0.00
Switzerland	0.2	0.2	0.1	nav	nav	0.01	0.00	0.00	nav	0.24
Turkey	21.2	22.4	22.3	23.1	22.7	nav	nav	nav	nav	nav
United Kingdom	59.1	51.1	42.2	38.1	33.4	nav	nav	nav	nav	nav
United States	180.8	161.1	144.8	124.8	102.0	nav	nav	nav	nav	nav
CPMI[1]	**180.7**	**170.0**	**155.3**	**141.1**	**127.4**	**0.21**	**0.27**	**0.31**	**0.38**	**0.39**

Please refer to the individual country tables for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available. For credit transfers, data for France (prior to 2005) and the United Kingdom include interbank transactions. Since the value of these transactions is relatively large, cross-country comparison should be treated with caution; consequently, CPMI figures for credit transfers have not been calculated.

Table 9e (cont)

	Card payments (except e-money)					*of which: by cards with a debit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	27.0	28.1	29.0	30.4	31.9	*10.5*	*11.4*	*12.1*	*13.0*	*14.0*
Belgium	16.7	17.3	18.3	18.4	18.9	*13.3*	*13.9*	*14.5*	*14.9*	*14.7*
Brazil	14.1	15.1	16.0	17.0	18.1	*4.5*	*4.9*	*5.5*	*6.1*	*6.6*
Canada	28.4	29.7	29.6	30.7	31.8	*10.1*	*10.4*	*10.2*	*10.6*	*10.9*
China	32.3	40.1	56.0	66.6	81.3	*nav*	*nav*	*nav*	*nav*	*nav*
France	19.1	20.2	20.7	20.7	21.5	*nav*	*nav*	*nav*	*10.1*	*11.8*
Germany	6.9	7.2	7.9	8.1	8.0	*5.1*	*5.3*	*5.8*	*5.4*	*5.2*
Hong Kong SAR	nav	nav	nav	nav	nav	*nav*	*nav*	*nav*	*nav*	*nav*
India	14.6	18.9	19.8	20.6	21.8	*13.6*	*17.5*	*18.3*	*18.9*	*19.9*
Italy	7.5	7.6	8.1	8.8	9.6	*4.1*	*4.6*	*4.9*	*5.5*	*6.3*
Japan	7.8	8.3	8.4	9.1	9.5	*0.1*	*0.1*	*0.1*	*0.1*	*0.1*
Korea	39.6	41.4	41.8	42.4	44.0	*5.2*	*6.2*	*6.7*	*7.7*	*8.6*
Mexico	5.6	6.4	7.1	7.2	8.4	*2.5*	*2.8*	*3.3*	*3.5*	*4.0*
Netherlands	15.0	15.3	15.8	16.5	17.3	*13.2*	*13.6*	*14.1*	*14.7*	*15.4*
Russia	5.7	7.8	11.5	15.5	20.3	*5.3*	*7.2*	*10.4*	*14.1*	*18.8*
Saudi Arabia	27.8	28.3	29.9	32.9	41.9	*27.0*	*27.2*	*28.8*	*31.6*	*40.0*
Singapore	18.6	18.8	19.4	20.0	20.0	*8.0*	*8.0*	*8.1*	*8.3*	*8.1*
South Africa	15.1	16.1	17.6	19.7	22.0	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	21.8	23.0	23.9	24.9	21.9	*15.8*	*16.7*	*17.4*	*18.3*	*16.0*
Switzerland	9.8	10.3	10.6	11.0	12.3	*5.1*	*5.3*	*5.4*	*5.6*	*6.9*
Turkey	21.2	24.4	26.1	26.3	26.9	*0.9*	*1.2*	*1.4*	*1.7*	*1.9*
United Kingdom	30.8	30.5	32.2	33.3	35.7	*21.4*	*21.3*	*23.1*	*24.1*	*26.3*
United States	26.4	27.3	28.5	29.6	30.6	*11.9*	*12.2*	*12.8*	*13.1*	*13.6*
CPMI[1]	**20.5**	**22.8**	**26.6**	**29.9**	**34.8**	***8.8***	***9.4***	***10.3***	***11.0***	***12.0***

Table 9e (cont)

	by cards with a delayed debit function					*by cards with a credit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	*nav*	*nav*	*nav*	*nav*	*nav*	*16.4*	*16.7*	*16.9*	*17.4*	*17.9*
Belgium	*3.4*	*3.4*	*3.8*	*3.4*	*4.1*	*nav*	*nav*	*nav*	*0.1*	*0.1*
Brazil	*nav*	*nav*	*nav*	*nav*	*nav*	*9.6*	*10.1*	*10.5*	*10.9*	*11.5*
Canada	*nap*	*nap*	*nap*	*nap*	*nap*	*18.3*	*19.3*	*19.4*	*20.2*	*20.9*
China	*nap*	*nap*	*nap*	*nap*	*nap*	*nav*	*nav*	*nav*	*nav*	*nav*
France	*nav*	*nav*	*nav*	*3.6*	*5.1*	*nav*	*nav*	*nav*	*0.3*	*0.6*
Germany	*1.7*	*1.8*	*2.0*	*2.5*	*2.6*	*0.1*	*0.1*	*0.2*	*0.2*	*0.2*
Hong Kong SAR	*nav*	*nav*	*nav*	*nav*	*nav*	*21.1*	*22.1*	*22.4*	*23.0*	*23.3*
India	*0.1*	*0.1*	*0.1*	*0.2*	*0.2*	*0.8*	*1.3*	*1.4*	*1.5*	*1.8*
Italy	*nav*	*nav*	*nav*	*nav*	*3.3*	*3.4*	*3.1*	*3.2*	*3.3*	*nap*
Japan	*nav*	*nav*	*nav*	*nav*	*nav*	*7.7*	*8.2*	*8.3*	*9.0*	*9.4*
Korea	*nap*	*nap*	*nap*	*nap*	*nap*	*34.4*	*35.3*	*35.0*	*34.8*	*35.4*
Mexico	*nap*	*nap*	*nap*	*nap*	*nap*	*3.1*	*3.5*	*3.8*	*3.7*	*4.4*
Netherlands	*1.7*	*1.7*	*1.7*	*1.8*	*2.0*	*nav*	*nav*	*nav*	*nav*	*nav*
Russia	*nav*	*nav*	*nav*	*nav*	*nav*	*0.4*	*0.6*	*1.0*	*1.3*	*1.5*
Saudi Arabia	*nap*	*nap*	*nap*	*nap*	*nap*	*0.9*	*1.1*	*1.2*	*1.4*	*1.9*
Singapore	*nav*	*nav*	*nav*	*nav*	*nav*	*10.5*	*10.7*	*11.2*	*11.7*	*11.9*
South Africa	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	*1.0*	*0.9*	*0.9*	*0.9*	*1.0*	*5.0*	*5.4*	*5.5*	*5.7*	*4.9*
Switzerland	*nav*	*nav*	*nav*	*nav*	*nav*	*4.7*	*4.9*	*5.2*	*5.4*	*5.4*
Turkey	*nap*	*nap*	*nap*	*nap*	*nap*	*20.3*	*23.3*	*24.7*	*24.6*	*25.0*
United Kingdom	*2.2*	*2.0*	*1.9*	*1.8*	*1.6*	*7.2*	*7.2*	*7.3*	*7.4*	*7.8*
United States	*nav*	*nav*	*nav*	*nav*	*nav*	*14.5*	*15.1*	*15.8*	*16.5*	*17.1*
CPMI[1]	***1.6***	***1.6***	***1.6***	***2.2***	***2.5***	***10.1***	***10.7***	***11.1***	***10.8***	***12.0***

Please refer to the individual country tables and the footnotes to Comparative Table 9 for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available.

Table 10

Cards issued in the country: number of cards

(millions, end of year) [1]

	Cards with a cash function					Cards with an e-money function				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	59.03	61.01	63.05	64.70	66.60	nap	nap	nap	nap	nap
Belgium	20.01	20.65	20.04	21.40	21.87	12.45	13.01	13.46	10.68	4.82
Brazil	324.75	335.56	348.19	350.25	349.99	2.26	2.65	2.24	2.67	2.44
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	2,949	3,534	4,214	4,936	5,442	nap	nap	nap	nap	nap
France	92.74	92.61	88.18	85.67	80.43	33.09	26.72	23.10	14.20	3.03
Germany	132.70	135.34	137.23	145.24	146.67	96.51	97.99	98.96	94.87	91.39
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	296.40	351.19	414.04	575.03	686.57	10.50	12.44	9.63	17.47	61.36
Italy	53.28	60.04	65.82	70.64	76.74	14.20	18.80	21.61	22.60	25.18
Japan	352.61	361.45	356.88	337.20	337.28	174.97	200.16	229.67	263.96	302.51
Korea	nav	nav	nav	nav	nav	18.33	21.44	23.76	26.25	27.40
Mexico	110.25	139.49	152.78	163.20	171.34	nav	nav	nav	nav	nav
Netherlands	30.46	30.51	30.45	31.97	32.37	24.01	24.31	24.47	25.78	9.36
Russia	200.17	239.55	248.57	278.50	286.15	37.27	48.05	31.11	50.83	42.25
Saudi Arabia	14.26	16.44	17.81	20.55	22.46	nap	nap	nap	nap	nap
Singapore	10.21	10.59	10.91	10.74	10.28	20.44	19.82	23.09	29.38	34.71
South Africa	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Sweden	11.87	12.03	12.60	13.26	11.01	nap	nap	nap	nap	0.12
Switzerland	14.05	14.62	15.24	nav	nav	3.01	1.53	0.22	2.13	2.27
Turkey	127.05	138.94	150.25	156.03	169.15	nap	nap	nap	nap	nap
United Kingdom	165.10	168.99	175.59	178.87	175.63	nav	nav	nav	nav	nav
United States	805.20	827.40	845.10	869.90	913.30	nav	nav	nav	nav	nav
CPMI[2]	**5,769.19**	**6,550.56**	**7,366.63**	**8,308.86**	**9,000.17**	**447.04**	**486.93**	**501.34**	**560.82**	**606.84**

Table 10 (cont)

	Cards with a payment function					*of which: cards with a debit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	59.03	61.01	63.05	64.70	66.60	*37.25*	*38.99*	*40.10*	*41.26*	*42.71*
Belgium	20.01	20.65	20.04	20.15	7.26	*15.7*	*16.2*	*15.7*	*16.2*	*1.7*
Brazil	408.54	437.08	451.81	474.28	482.58	*254.4*	*283.8*	*291.2*	*313.2*	*317.4*
Canada	102.10	102.04	105.03	101.58	96.87	*23.30*	*23.60*	*23.90*	*25.00*	*24.80*
China	2949.05	3534.15	4213.89	4935.72	5442.31	*2,663.59*	*3,203.05*	*3,823.10*	*4,480.62*	*5,010.11*
France	83.01	82.31	82.22	81.04	77.41	*69.09*	*80.11*	*80.08*	*55.27*	*49.97*
Germany	130.10	133.19	133.85	135.44	138.85	*103.96*	*105.59*	*105.17*	*104.13*	*105.74*
Hong Kong SAR	16.48	17.44	18.12	18.51	19.04	*nav*	*nav*	*nav*	*nav*	*nav*
India	296.40	351.19	414.04	575.03	686.57	*278.28*	*331.20*	*394.42*	*553.45*	*661.54*
Italy	67.36	68.18	71.79	73.64	77.15	*37.55*	*39.71*	*44.22*	*47.04*	*50.32*
Japan	675.27	676.79	685.22	677.90	nav	*415.00*	*417.00*	*418.00*	*419.00*	*421.00*
Korea	263.61	264.61	251.30	246.37	252.32	*141.47*	*148.38*	*149.28*	*154.05*	*159.23*
Mexico	110.25	138.05	151.94	163.19	171.34	*85.60*	*112.69*	*126.05*	*134.64*	*141.70*
Netherlands	30.46	30.51	30.45	31.52	31.96	*24.44*	*24.66*	*24.49*	*25.58*	*26.15*
Russia	162.90	191.50	217.46	227.67	243.91	*147.87*	*169.01*	*188.27*	*195.90*	*214.44*
Saudi Arabia	14.26	16.44	17.81	20.55	22.46	*14.26*	*16.44*	*17.81*	*20.55*	*22.46*
Singapore	17.58	18.28	20.20	20.32	19.73	*10.21*	*10.59*	*10.91*	*10.74*	*10.28*
South Africa	nav	nav	nav	nav	nav	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	21.81	22.10	21.97	22.10	21.01	*10.32*	*10.59*	*10.74*	*11.32*	*10.43*
Switzerland	14.06	14.63	15.26	15.82	16.25	*8.56*	*8.87*	*9.11*	*9.81*	*10.06*
Turkey	133.24	145.61	157.00	162.52	170.60	*81.88*	*91.26*	*100.16*	*105.51*	*112.38*
United Kingdom	143.00	147.32	153.31	154.74	157.78	*86.33*	*88.55*	*95.69*	*95.66*	*98.80*
United States	1161.20	1196.40	1213.40	1246.70	1305.40	*286.00*	*290.80*	*296.00*	*301.60*	*307.30*
CPMI[2]	**6,879.70**	**7,669.46**	**8,509.17**	**9,469.49**	**9,507.39**	***4,795.11***	***5,511.08***	***6,264.42***	***7,120.59***	***7,798.49***

Table 10 (cont)

	cards with a delayed debit function					*cards with a credit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	*nav*	*nav*	*nav*	*nav*	*nav*	*21.78*	*22.03*	*22.95*	*23.44*	*23.89*
Belgium	*4.30*	*4.45*	*4.36*	*1.83*	*3.23*	*nav*	*nav*	*nav*	*2.10*	*2.33*
Brazil	*nav*	*nav*	*nav*	*nav*	*nav*	*154.09*	*153.28*	*160.59*	*161.06*	*165.22*
Canada	*nap*	*nap*	*nap*	*nap*	*nap*	*78.80*	*78.44*	*81.13*	*76.58*	*72.07*
China	*nap*	*nap*	*nap*	*nap*	*nap*	*285.46*	*331.10*	*390.79*	*455.10*	*432.21*
France	*22.30*	*23.38*	*23.81*	*38.76*	*28.07*	*27.56*	*26.84*	*19.61*	*24.92*	*19.89*
Germany	*22.68*	*23.91*	*24.78*	*26.91*	*28.14*	*3.46*	*3.68*	*3.90*	*4.40*	*4.97*
Hong Kong SAR	*nav*	*nav*	*nav*	*nav*	*nav*	*16.48*	*17.44*	*18.12*	*18.51*	*19.04*
India	*0.47*	*0.44*	*0.43*	*0.46*	*0.53*	*17.65*	*19.55*	*19.18*	*21.11*	*24.51*
Italy	*nav*	*nav*	*nav*	*nav*	*nav*	*29.80*	*28.47*	*27.57*	*26.61*	*26.84*
Japan	*nav*	*nav*	*nav*	*nav*	*nav*	*260.27*	*259.79*	*267.22*	*258.90*	*nav*
Korea	*nap*	*nap*	*nap*	*nap*	*nap*	*122.14*	*116.23*	*102.02*	*92.32*	*93.10*
Mexico	*nap*	*nap*	*nap*	*nap*	*nap*	*24.65*	*25.37*	*25.89*	*28.55*	*29.64*
Netherlands	*nav*	*nav*	*nav*	*2.65*	*2.50*	*6.01*	*5.85*	*5.96*	*3.29*	*3.30*
Russia	*nav*	*nav*	*nav*	*nav*	*nav*	*15.03*	*22.48*	*29.19*	*31.76*	*29.46*
Saudi Arabia	*nap*	*nap*	*nap*	*nap*	*nap*	*nav*	*nav*	*nav*	*nav*	*nav*
Singapore	*nap*	*nap*	*nap*	*nap*	*nap*	*7.38*	*7.70*	*9.29*	*9.58*	*9.45*
South Africa	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	*0.66*	*0.71*	*0.69*	*0.70*	*1.94*	*10.83*	*10.79*	*10.54*	*10.08*	*8.64*
Switzerland	*nav*	*nav*	*nav*	*nav*	*nav*	*5.50*	*5.77*	*6.15*	*6.01*	*6.19*
Turkey	*nap*	*nap*	*nap*	*nap*	*nap*	*51.36*	*54.34*	*56.84*	*57.01*	*58.22*
United Kingdom	*2.19*	*2.32*	*2.26*	*2.15*	*nav*	*54.48*	*56.44*	*55.36*	*56.93*	*58.97*
United States	*nav*	*nav*	*nav*	*nav*	*nav*	*875.20*	*905.60*	*917.40*	*945.10*	*998.10*
CPMI[2]	***52.60***	***55.21***	***56.33***	***73.46***	***64.40***	***2,067.94***	***2,151.19***	***2,229.70***	***2,313.35***	***2,086.03***

Please refer to the individual country tables and the footnotes to Comparative Table 9 for a detailed explanation.

[1] Except as noted. [2] Sum or average excluding those countries for which data are not available.

Table 10a

Cards issued in the country: increase in the number of cards

(% change on previous year)

	Cards with a cash function					Cards with an e-money function				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	1.6	3.4	3.3	2.6	2.9	nav	nav	nav	nav	nav
Belgium	2.9	3.2	-2.9	6.8	2.2	6.8	4.5	3.5	-20.7	-54.8
Brazil	10.0	3.3	3.8	0.6	-0.1	35.9	17.4	-15.4	19.1	-8.9
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	22.1	19.8	19.2	17.1	10.3	nav	nav	nav	nav	nav
France	-3.5	-0.1	-4.8	-2.8	-6.1	-11.2	-19.2	-13.5	-38.5	-78.7
Germany	2.0	2.0	1.4	5.8	1.0	1.5	1.5	1.0	-4.1	-3.7
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	20.5	18.5	17.9	38.9	19.4	93.5	18.5	-22.6	81.3	251.3
Italy	7.2	12.7	9.6	7.3	8.6	14.9	32.4	14.9	4.6	11.4
Japan	0.9	2.5	-1.3	-5.5	0.0	15.3	14.4	14.7	14.9	14.6
Korea	nav	nav	nav	nav	nav	11.0	16.9	10.9	10.4	4.4
Mexico	13.0	26.5	9.5	6.8	5.0	nav	nav	nav	nav	nav
Netherlands	0.7	0.2	-0.2	5.0	1.3	0.8	1.2	0.7	5.3	-63.7
Russia	38.6	19.7	3.8	12.0	2.7	466.0	28.9	-35.3	63.4	-16.9
Saudi Arabia	17.3	15.3	8.3	15.4	9.3	nav	nav	nav	nav	nav
Singapore	3.7	3.7	3.0	-1.5	-4.3	11.6	-3.0	16.5	27.2	18.1
South Africa	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Sweden	4.7	1.4	4.7	5.3	-17.0	nav	nav	nav	nav	nav
Switzerland	6.4	4.1	4.2	nav	nav	-40.2	-49.0	-85.5	856.7	6.5
Turkey	14.5	9.4	8.1	3.8	8.4	nav	nav	nav	nav	nav
United Kingdom	0.0	2.4	3.9	1.9	-1.8	nav	nav	nav	nav	nav
United States	1.3	2.8	2.1	2.9	5.0	nav	nav	nav	nav	nav
CPMI[1]	**14.3**	**13.5**	**12.5**	**13.0**	**8.3**	**16.0**	**8.9**	**3.0**	**11.9**	**8.2**

Table 10a (cont)

	Cards with a payment function					*of which: cards with a debit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	1.6	3.4	3.3	2.6	2.9	*1.8*	*4.7*	*2.9*	*2.9*	*3.5*
Belgium	2.9	3.2	-2.9	0.6	-64.0	*3.8*	*3.1*	*-3.2*	*3.4*	*-89.5*
Brazil	4.1	7.0	3.4	5.0	1.7	*11.7*	*11.5*	*2.6*	*7.6*	*1.3*
Canada	3.8	-0.1	2.9	-3.3	-4.6	*-2.5*	*1.3*	*1.3*	*4.6*	*-0.8*
China	22.1	19.8	19.2	17.1	10.3	*21.9*	*20.3*	*19.4*	*17.2*	*11.8*
France	-34.6	-0.8	-0.1	-1.4	-4.5	*-2.8*	*15.9*	*0.0*	*-31.0*	*-9.6*
Germany	1.8	2.4	0.5	1.2	2.5	*1.5*	*1.6*	*-0.4*	*-1.0*	*1.5*
Hong Kong SAR	6.7	5.8	3.9	2.1	2.9	*nav*	*nav*	*nav*	*nav*	*nav*
India	20.5	18.5	17.9	38.9	19.4	*22.1*	*19.0*	*19.1*	*40.3*	*19.5*
Italy	-3.8	1.2	5.3	2.6	4.8	*3.8*	*5.7*	*11.4*	*6.4*	*7.0*
Japan	-1.2	0.2	1.2	-1.1	nav	*0.5*	*0.5*	*0.2*	*0.2*	*0.5*
Korea	7.5	0.4	-5.0	-2.0	2.4	*10.1*	*4.9*	*0.6*	*3.2*	*3.4*
Mexico	13.0	25.2	10.1	7.4	5.0	*13.9*	*31.6*	*11.9*	*6.8*	*5.2*
Netherlands	0.7	0.2	-0.2	3.5	1.4	*0.1*	*0.9*	*-0.7*	*4.4*	*2.2*
Russia	18.2	17.6	13.6	4.7	7.1	*15.7*	*14.3*	*11.4*	*4.1*	*9.5*
Saudi Arabia	17.3	15.3	8.3	15.4	9.3	*17.3*	*15.3*	*8.3*	*15.4*	*9.3*
Singapore	1.3	4.0	10.5	0.6	-2.9	*3.7*	*3.7*	*3.0*	*-1.5*	*-4.3*
South Africa	nav	nav	nav	nav	nav	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	2.3	1.3	-0.6	0.6	-4.9	*4.6*	*2.6*	*1.4*	*5.4*	*-7.9*
Switzerland	5.2	4.1	4.3	3.7	2.8	*4.0*	*3.6*	*2.8*	*7.7*	*2.6*
Turkey	14.0	9.3	7.8	3.5	5.0	*17.1*	*11.5*	*9.8*	*5.3*	*6.5*
United Kingdom	0.2	3.0	4.1	0.9	2.0	*2.0*	*2.6*	*8.1*	*0.0*	*3.3*
United States	2.0	3.0	1.4	2.7	4.7	*1.7*	*1.7*	*1.8*	*1.9*	*1.9*
CPMI[1]	**10.5**	**11.5**	**10.9**	**11.3**	**8.1**	***15.0***	***14.9***	***13.7***	***13.7***	***9.5***

Table 10a (cont)

	cards with a delayed debit function					*cards with a credit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	*nav*	*nav*	*nav*	*nav*	*nav*	*1.1*	*1.1*	*4.2*	*2.1*	*1.9*
Belgium	*-0.4*	*3.5*	*-2.1*	*-58.0*	*76.4*	*nav*	*nav*	*nav*	*nav*	*11.0*
Brazil	*nav*	*nav*	*nav*	*nav*	*nav*	*-6.4*	*-0.5*	*4.8*	*0.3*	*2.6*
Canada	*nav*	*nav*	*nav*	*nav*	*nav*	*5.8*	*-0.5*	*3.4*	*-5.6*	*-5.9*
China	*nav*	*nav*	*nav*	*nav*	*nav*	*24.3*	*16.0*	*18.0*	*16.5*	*-5.0*
France	*-8.2*	*4.8*	*1.8*	*62.8*	*-27.6*	*-12.8*	*-2.6*	*-26.9*	*27.1*	*-20.2*
Germany	*4.3*	*5.4*	*3.6*	*8.6*	*4.6*	*-3.6*	*6.5*	*5.9*	*12.9*	*12.8*
Hong Kong SAR	*nav*	*nav*	*nav*	*nav*	*nav*	*6.7*	*5.8*	*3.9*	*2.1*	*2.9*
India	*546.6*	*-5.8*	*-1.3*	*6.9*	*13.1*	*-2.1*	*10.8*	*-1.9*	*10.1*	*16.1*
Italy	*nav*	*nav*	*nav*	*nav*	*nav*	*-12.0*	*-4.5*	*-3.2*	*-3.5*	*0.9*
Japan	*nav*	*nav*	*nav*	*nav*	*nav*	*-3.8*	*-0.2*	*2.9*	*-3.1*	*nav*
Korea	*nav*	*nav*	*nav*	*nav*	*nav*	*4.8*	*-4.8*	*-12.2*	*-9.5*	*0.8*
Mexico	*nav*	*nav*	*nav*	*nav*	*nav*	*10.1*	*2.9*	*2.0*	*10.3*	*3.8*
Netherlands	*nav*	*nav*	*nav*	*nav*	*-5.5*	*2.9*	*-2.7*	*1.9*	*-44.8*	*0.3*
Russia	*nav*	*nav*	*nav*	*nav*	*nav*	*49.5*	*49.6*	*29.8*	*8.8*	*-7.2*
Saudi Arabia	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*
Singapore	*nav*	*nav*	*nav*	*nav*	*nav*	*-1.9*	*4.3*	*20.7*	*3.1*	*-1.3*
South Africa	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	*-2.1*	*8.1*	*-3.0*	*2.0*	*176.6*	*0.6*	*-0.4*	*-2.4*	*-4.4*	*-14.3*
Switzerland	*nav*	*nav*	*nav*	*nav*	*nav*	*7.1*	*4.8*	*6.6*	*-2.3*	*3.1*
Turkey	*nav*	*nav*	*nav*	*nav*	*nav*	*9.4*	*5.8*	*4.6*	*0.3*	*2.1*
United Kingdom	*-8.8*	*6.0*	*-2.7*	*-5.0*	*nav*	*-2.0*	*3.6*	*-1.9*	*2.8*	*3.6*
United States	*nav*	*nav*	*nav*	*nav*	*nav*	*2.1*	*3.5*	*1.3*	*3.0*	*5.6*
CPMI[1]	***-1.7***	***5.0***	***2.0***	***25.7***	***-9.7***	***3.3***	***4.0***	***3.6***	***3.7***	***1.5***

Please refer to the individual country tables and the footnotes to Comparative Table 9 for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available.

Table 10b

Cards issued in the country: number of cards per inhabitant

(end of year) [1]

	Cards with a cash function					Cards with an e-money function				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	2.64	2.68	2.72	2.75	2.80	nap	nap	nap	nap	nap
Belgium	1.82	1.87	1.80	1.92	1.94	1.13	1.18	1.21	0.96	0.43
Brazil	1.65	1.68	1.73	1.73	1.71	0.01	0.01	0.01	0.01	0.01
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	2.19	2.62	3.10	3.61	3.96	nap	nap	nap	nap	nap
France	1.43	1.42	1.34	1.30	1.21	0.51	0.41	0.35	0.21	0.05
Germany	1.65	1.68	1.70	1.79	1.80	1.20	1.22	1.23	1.17	1.12
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	0.25	0.29	0.34	0.45	0.54	0.01	0.01	0.01	0.01	0.05
Italy	0.89	1.00	1.09	1.17	1.27	0.24	0.31	0.36	0.37	0.42
Japan	2.76	2.83	2.80	2.65	2.65	1.37	1.57	1.80	2.08	2.38
Korea	nav	nav	nav	nav	nav	0.37	0.43	0.47	0.52	0.54
Mexico	1.01	1.20	1.30	1.37	1.42	nav	nav	nav	nav	nav
Netherlands	1.82	1.82	1.81	1.90	1.91	1.44	1.45	1.46	1.53	0.55
Russia	1.40	1.67	1.73	1.94	1.95	0.26	0.34	0.22	0.35	0.29
Saudi Arabia	0.50	0.56	0.59	0.67	0.72	nap	nap	nap	nap	nap
Singapore	1.97	1.99	2.02	1.96	1.86	3.94	3.73	4.28	5.37	6.27
South Africa	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Sweden	1.25	1.26	1.31	1.37	1.12	nap	nap	nap	nap	0.01
Switzerland	1.78	1.83	1.88	nav	nav	0.38	0.19	0.03	0.26	0.27
Turkey	1.70	1.84	1.96	2.01	2.15	nap	nap	nap	nap	nap
United Kingdom	2.61	2.65	2.74	2.77	2.70	nav	nav	nav	nav	nav
United States	2.58	2.64	2.67	2.73	2.84	nav	nav	nav	nav	nav
CPMI[2]	**1.49**	**1.67**	**1.86**	**2.08**	**2.23**	**0.23**	**0.25**	**0.25**	**0.27**	**0.29**

Table 10b (cont)

	Cards with a payment function					*of which: cards with a debit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	2.64	2.68	2.72	2.75	2.80	*1.66*	*1.71*	*1.73*	*1.76*	*1.79*
Belgium	1.82	1.87	1.80	1.81	0.64	*1.43*	*1.47*	*1.41*	*1.45*	*0.15*
Brazil	2.07	2.19	2.25	2.34	2.36	*1.29*	*1.42*	*1.45*	*1.54*	*1.55*
Canada	2.98	2.94	2.99	2.86	2.70	*0.68*	*0.68*	*0.68*	*0.70*	*0.69*
China	2.19	2.62	3.10	3.61	3.96	*1.98*	*2.37*	*2.81*	*3.28*	*3.64*
France	1.28	1.26	1.25	1.23	1.17	*1.06*	*1.23*	*1.22*	*0.84*	*0.75*
Germany	1.62	1.66	1.66	1.67	1.70	*1.30*	*1.31*	*1.30*	*1.29*	*1.29*
Hong Kong SAR	2.32	2.43	2.51	2.55	2.60	*nav*	*nav*	*nav*	*nav*	*nav*
India	0.25	0.29	0.34	0.45	0.54	*0.23*	*0.27*	*0.32*	*0.44*	*0.52*
Italy	1.13	1.14	1.19	1.22	1.28	*0.63*	*0.66*	*0.73*	*0.78*	*0.83*
Japan	5.28	5.31	5.38	5.33	nav	*3.25*	*3.27*	*3.28*	*3.30*	*3.31*
Korea	5.30	5.29	5.00	4.89	4.98	*2.84*	*2.97*	*2.97*	*3.06*	*3.15*
Mexico	1.01	1.19	1.29	1.37	1.42	*0.79*	*0.97*	*1.07*	*1.13*	*1.18*
Netherlands	1.82	1.82	1.81	1.87	1.89	*1.46*	*1.47*	*1.46*	*1.52*	*1.54*
Russia	1.14	1.34	1.52	1.58	1.67	*1.03*	*1.18*	*1.31*	*1.36*	*1.46*
Saudi Arabia	0.50	0.56	0.59	0.67	0.72	*0.50*	*0.56*	*0.59*	*0.67*	*0.72*
Singapore	3.39	3.44	3.74	3.71	3.56	*1.97*	*1.99*	*2.02*	*1.96*	*1.86*
South Africa	nav	nav	nav	nav	nav	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	2.31	2.32	2.29	2.28	2.13	*1.09*	*1.11*	*1.12*	*1.17*	*1.06*
Switzerland	1.78	1.83	1.89	1.93	1.96	*1.08*	*1.11*	*1.13*	*1.20*	*1.21*
Turkey	1.78	1.93	2.05	2.09	2.17	*1.10*	*1.21*	*1.31*	*1.36*	*1.43*
United Kingdom	2.26	2.31	2.39	2.40	2.42	*1.36*	*1.39*	*1.49*	*1.48*	*1.52*
United States	3.73	3.81	3.84	3.92	4.06	*0.92*	*0.93*	*0.94*	*0.95*	*0.96*
CPMI[2]	**1.73**	**1.91**	**2.10**	**2.31**	**2.38**	***1.21***	***1.38***	***1.55***	***1.74***	***1.89***

Table 10b (cont)

	cards with a delayed debit function					*cards with a credit function*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	*nav*	*nav*	*nav*	*nav*	*nav*	*0.97*	*0.97*	*0.99*	*1.00*	*1.00*
Belgium	*0.39*	*0.40*	*0.39*	*0.16*	*0.29*	*nav*	*nav*	*nav*	*0.19*	*0.21*
Brazil	*nav*	*nav*	*nav*	*nav*	*nav*	*0.78*	*0.77*	*0.80*	*0.79*	*0.81*
Canada	*nap*	*nap*	*nap*	*nap*	*nap*	*2.30*	*2.26*	*2.31*	*2.16*	*2.01*
China	*nap*	*nap*	*nap*	*nap*	*nap*	*0.21*	*0.25*	*0.29*	*0.33*	*0.31*
France	*0.34*	*0.36*	*0.36*	*0.59*	*0.42*	*0.42*	*0.41*	*0.30*	*0.38*	*0.30*
Germany	*0.28*	*0.30*	*0.31*	*0.33*	*0.34*	*0.04*	*0.05*	*0.05*	*0.05*	*0.06*
Hong Kong SAR	*nav*	*nav*	*nav*	*nav*	*nav*	*2.32*	*2.43*	*2.51*	*2.55*	*2.60*
India	*0.00*	*0.00*	*0.00*	*0.00*	*0.00*	*0.01*	*0.02*	*0.02*	*0.02*	*0.02*
Italy	*nav*	*nav*	*nav*	*nav*	*nav*	*0.50*	*0.48*	*0.46*	*0.44*	*0.44*
Japan	*nav*	*nav*	*nav*	*nav*	*nav*	*2.04*	*2.04*	*2.10*	*2.04*	*nav*
Korea	*nap*	*nap*	*nap*	*nap*	*nap*	*2.45*	*2.32*	*2.03*	*1.83*	*1.84*
Mexico	*nap*	*nap*	*nap*	*nap*	*nap*	*0.23*	*0.22*	*0.22*	*0.24*	*0.25*
Netherlands	*nav*	*nav*	*nav*	*0.16*	*0.15*	*0.36*	*0.35*	*0.35*	*0.19*	*0.19*
Russia	*nav*	*nav*	*nav*	*nav*	*nav*	*0.11*	*0.16*	*0.20*	*0.22*	*0.20*
Saudi Arabia	*nap*	*nap*	*nap*	*nap*	*nap*	*nav*	*nav*	*nav*	*nav*	*nav*
Singapore	*nap*	*nap*	*nap*	*nap*	*nap*	*1.42*	*1.45*	*1.72*	*1.75*	*1.71*
South Africa	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*	*nav*
Sweden	*0.07*	*0.07*	*0.07*	*0.07*	*0.20*	*1.15*	*1.13*	*1.10*	*1.04*	*0.88*
Switzerland	*nav*	*nav*	*nav*	*nav*	*nav*	*0.70*	*0.72*	*0.76*	*0.73*	*0.75*
Turkey	*nap*	*nap*	*nap*	*nap*	*nap*	*0.69*	*0.72*	*0.74*	*0.73*	*0.74*
United Kingdom	*0.03*	*0.04*	*0.04*	*0.03*	*nav*	*0.86*	*0.89*	*0.86*	*0.88*	*0.91*
United States	*nav*	*nav*	*nav*	*nav*	*nav*	*2.81*	*2.89*	*2.90*	*2.97*	*3.11*
CPMI[2]	***0.04***	***0.04***	***0.04***	***0.05***	***0.04***	***0.53***	***0.54***	***0.56***	***0.57***	***0.53***

Please refer to the individual country tables and the footnotes to Comparative Table 9 for a detailed explanation.

[1] Except as noted. [2] Sum or average excluding those countries for which data are not available.

Table 11

Terminals located in the country: number of terminals

(thousands, end of year)

	ATMs					POS terminals				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	30.8	30.3	30.2	31.5	31.7	751.1	755.5	804.5	843.6	956.2
Belgium	15.8	15.7	14.9	12.7	15.6	140.9	136.3	140.1	183.2	185.3
Brazil	173.9	175.1	182.5	184.4	182.4	3,515.8	4,096.6	4,452.3	5,036.4	5,160.9
Canada	60.0	59.1	65.0	66.0	66.4	740.0	794.0	829.0	879.0	1,301.4
China	333.8	415.6	520.0	614.9	866.7	4,826.5	7,117.8	10,632.1	15,935.2	22,821.0
France	58.2	58.5	58.6	114.9	60.5	1,443.7	1,400.0	1,344.4	1,604.5	1,476.7
Germany	84.1	82.6	82.8	86.7	85.9	710.9	720.0	743.6	1,034.6	998.8
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	95.7	114.0	161.8	189.1	212.1	660.9	845.7	1,066.0	1,126.7	1,385.7
Italy	51.8	50.7	50.0	49.7	50.5	1,435.0	1,510.6	1,584.2	1,847.5	1,979.4
Japan	137.8	137.3	137.9	136.8	136.7	1,869.4	1,877.7	1,951.2	nav	nav
Korea	118.5	122.9	124.2	122.3	121.3	nav	nav	nav	nav	nav
Mexico	36.4	40.5	40.2	43.0	45.9	547.7	621.6	682.1	765.2	864.7
Netherlands	7.8	7.6	7.4	7.2	7.0	279.6	267.6	249.2	398.5	444.9
Russia	141.9	171.9	188.8	222.8	206.9	557.4	718.0	965.5	1,288.7	1,489.8
Saudi Arabia	11.8	12.7	13.9	15.5	17.2	88.8	92.5	107.8	138.8	225.4
Singapore	2.7	2.7	2.7	2.7	2.8	89.9	135.6	146.4	143.7	172.1
South Africa	24.1	22.9	26.1	27.8	28.9	277.5	254.4	308.8	393.9	394.3
Sweden	3.6	3.4	3.2	3.2	3.3	209.6	198.4	195.7	197.0	183.8
Switzerland	6.7	6.8	6.8	6.8	7.0	154.0	170.1	166.6	243.2	250.6
Turkey	32.5	36.3	42.0	45.6	48.3	1,976.8	2,134.4	2,293.7	2,191.4	2,158.3
United Kingdom	64.4	66.1	68.0	69.4	70.3	1,360.6	1,639.3	1,653.9	1,701.9	1,958.4
United States[1]	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[2]	**1,492.0**	**1,632.9**	**1,827.1**	**2,052.8**	**2,267.3**	**21,636.2**	**25,486.0**	**30,317.0**	**35,952.9**	**44,407.8**

Table 11 (cont)

	E-money card loading/unloading terminals					E-money card payment terminals				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Belgium	107.5	nav	nav	12.7	3.9	61.6	55.0	44.7	48.3	0.4
Brazil	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
France	96.0	39.2	29.5	21.2	1.2	124.7	71.0	47.0	45.4	0.5
Germany	52.6	53.8	53.9	60.5	61.1	236.1	218.6	217.4	419.7	387.7
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy	nav	nav	nav	45.7	48.2	nav	nav	nav	612.4	732.7
Japan	nav	nav	nav	nav	nav	1,092.0	1,214.0	1,396.0	1,569.0	1,853.0
Korea	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mexico	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Netherlands	2.9	2.7	2.4	1.3	0.0	42.5	36.8	31.0	29.4	0.0
Russia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Saudi Arabia	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Singapore	nav	nav	nav	nav	nav	108.3	124.5	131.8	160.6	167.0
South Africa	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Sweden	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Switzerland	6.7	6.8	6.8	nav	nav	13.9	13.8	13.7	nav	nav
Turkey	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
United Kingdom	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[2]	**265.7**	**102.5**	**92.7**	**141.5**	**114.4**	**1,679.1**	**1,733.7**	**1,881.5**	**2,884.7**	**3,141.3**

Please refer to the individual country tables for a detailed explanation.

[1] For POS terminals, PIN-based debit terminals only. [2] Sum or average excluding those countries for which data are not available.

Table 11a

Terminals located in the country: increase in the number of terminals

(% change on previous year)

	ATMs					POS terminals				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	2.5	-1.6	-0.4	4.1	0.6	6.2	0.6	6.5	4.9	13.3
Belgium	1.2	-0.7	-5.1	-14.7	23.3	1.9	-3.3	2.8	30.8	1.1
Brazil	-0.6	0.7	4.2	1.0	-1.1	2.8	16.5	8.7	13.1	2.5
Canada	0.7	-1.5	10.0	1.5	0.7	1.7	7.3	4.4	6.0	48.1
China	23.1	24.5	25.1	18.2	41.0	44.8	47.5	49.4	49.9	43.2
France	3.4	0.6	0.2	95.9	-47.4	1.2	-3.0	-4.0	19.3	-8.0
Germany	2.0	-1.8	0.2	4.8	-1.0	4.8	1.3	3.3	39.1	-3.5
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	28.4	19.2	41.9	16.9	12.1	12.1	28.0	26.1	5.7	23.0
Italy	0.9	-2.1	-1.4	-0.8	1.8	6.4	5.3	4.9	16.6	7.1
Japan	-0.3	-0.4	0.4	-0.8	0.0	0.5	0.4	3.9	nav	nav
Korea	7.4	3.7	1.1	-1.6	-0.8	nav	nav	nav	nav	nav
Mexico	1.4	11.3	-0.9	7.0	6.7	13.6	13.5	9.7	12.2	13.0
Netherlands	-1.5	-2.9	-2.5	-3.0	-2.2	8.1	-4.3	-6.9	59.9	11.6
Russia	22.2	21.2	9.8	18.0	-7.1	20.2	28.8	34.5	33.5	15.6
Saudi Arabia	8.1	8.0	9.2	11.8	11.0	10.3	4.2	16.5	28.8	62.4
Singapore	3.4	1.9	0.2	0.3	2.5	-9.0	50.8	8.0	-1.8	19.7
South Africa	3.5	-4.8	14.1	6.3	4.1	1.3	-8.3	21.4	27.5	0.1
Sweden	6.4	-4.2	-5.2	-0.2	1.7	3.2	-5.4	-1.4	0.7	-6.7
Switzerland	4.4	1.5	0.9	-0.1	2.2	1.4	10.5	-2.0	46.0	3.0
Turkey	17.4	11.9	15.6	8.5	5.9	8.4	8.0	7.5	-4.5	-1.5
United Kingdom	2.0	2.7	2.8	2.1	1.3	8.6	20.5	0.9	2.9	15.1
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[1]	**9.6**	**9.4**	**11.9**	**12.4**	**10.4**	**12.0**	**17.8**	**19.0**	**26.7**	**23.5**

Table 11a (cont)

	E-money card loading/unloading terminals					E-money card payment terminals				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Belgium	-4.3	nav	nav	nav	-69.1	-6.1	-10.7	-18.8	8.2	-99.2
Brazil	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
France	-10.1	-59.2	-24.6	-28.1	-94.5	-6.7	-43.1	-33.8	-3.3	-98.8
Germany	0.2	2.3	0.1	12.3	1.0	-0.2	-7.4	-0.5	93.0	-7.6
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Italy	nav	nav	nav	nav	5.6	nav	nav	nav	nav	19.6
Japan	nav	nav	nav	nav	nav	22.7	11.2	15.0	12.4	18.1
Korea	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mexico	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Netherlands	-22.8	-7.6	-9.1	-45.2	-100.0	-37.7	-13.5	-15.8	-5.1	-100.0
Russia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Saudi Arabia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Singapore	nav	nav	nav	nav	nav	-19.3	15.0	5.8	21.8	4.0
South Africa	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Sweden	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Switzerland	4.4	1.5	0.9	nav	nav	0.6	-0.6	-0.8	nav	nav
Turkey	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
United Kingdom	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[1]	**-5.7**	**-35.2**	**-9.5**	**-3.3**	**-19.1**	**8.9**	**3.3**	**8.5**	**21.7**	**8.9**

Please refer to the individual country tables for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available.

Comparative tables

(end of year)

	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia	1,377	1,332	1,305	1,339	1,329	33,546	33,168	34,734	35,892	40,130
Belgium	1,436	1,417	1,338	1,137	1,387	12,837	12,326	12,617	16,421	16,443
Brazil	881	879	908	910	892	17,811	20,561	22,146	24,837	25,241
Canada	1,749	1,703	1,852	1,859	1,855	21,573	22,883	23,617	24,763	36,331
China	248	308	382	450	631	3,592	5,270	7,814	11,650	16,602
France	896	897	894	1,738	911	22,234	21,459	20,505	24,283	22,246
Germany	1,048	1,027	1,026	1,071	1,051	8,856	8,952	9,221	12,775	12,229
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	80	94	131	149	165	550	695	865	889	1,080
Italy	869	847	831	821	836	24,052	25,220	26,305	30,563	32,750
Japan	1,078	1,077	1,083	1,076	1,076	14,628	14,725	15,328	nav	nav
Korea	2,381	2,458	2,474	2,425	2,397	nav	nav	nav	nav	nav
Mexico	335	349	342	362	382	5,033	5,346	5,798	6,431	7,189
Netherlands	467	452	439	425	414	16,748	15,970	14,831	23,628	26,270
Russia	993	1,200	1,316	1,549	1,413	3,899	5,014	6,728	8,960	10,176
Saudi Arabia	415	435	463	504	555	3,129	3,170	3,593	4,510	7,266
Singapore	515	512	505	500	507	17,337	25,523	27,110	26,279	31,096
South Africa	466	438	494	519	533	5,374	4,870	5,841	7,356	7,267
Sweden	377	359	337	333	333	22,167	20,837	20,380	20,304	18,660
Switzerland	842	845	843	832	841	19,461	21,268	20,594	29,702	30,254
Turkey	434	480	548	587	613	26,455	28,223	29,917	28,205	27,410
United Kingdom	1,017	1,038	1,060	1,074	1,079	21,499	25,732	25,800	26,346	30,078
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[1]	**403**	**437**	**484**	**537**	**588**	**5,924**	**6,910**	**8,144**	**9,864**	**12,074**

	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Belgium	9,794	nav	nav	1,139	348	5,609	4,977	4,022	4,332	34
Brazil	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
France	1,479	601	451	321	17	1,921	1,088	716	687	8
Germany	656	669	668	747	748	2,941	2,718	2,696	5,182	4,747
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

Table 13a

Transactions at terminals: increase in the real value of cash withdrawals and loading transactions

(% change on previous year, adjusted by CPI inflation) [1]

	Cash withdrawals at ATMs located in the country									
	with cards issued outside the country					with cards issued in the country				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Belgium	-5.1	-5.1	0.4	-67.0	124.0	3.8	1.1	2.7	-17.7	-6.4
Brazil	nav	nav	nav	nav	nav	7.5	6.1	6.5	3.4	-0.2
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	27.6	20.4	23.6	10.6	8.9
France	7.5	-1.6	1.5	-7.6	3.0	1.3	-1.1	-0.7	-1.2	7.1
Germany	nav	nav	nav	nav	-21.4	3.0	0.6	-0.7	-2.6	8.5
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	38.0	2.4	-32.0	-4.4	-12.5	12.1	9.3	8.2	2.8	6.6
Italy	9.3	84.9	85.9	-99.8	nav	-2.1	6.6	5.9	21.8	1.5
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Korea	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mexico	-0.5	9.5	-2.8	-1.1	7.6	5.0	2.5	3.0	7.0	2.7
Netherlands	13.2	-1.2	-6.3	-42.9	39.5	-2.6	-7.8	-6.7	-0.4	-1.0
Russia	13.6	25.9	-19.2	-17.0	-1.9	20.6	18.9	14.1	1.5	-5.0
Saudi Arabia	26.0	15.1	-3.2	4.4	-3.1	19.0	5.1	1.6	6.8	6.0
Singapore	nav	nav	nav	nav	nav	-11.2	7.2	6.3	0.4	1.4
South Africa	nav	nav	nav	nav	nav	7.7	-24.1	37.1	3.2	4.8
Sweden	43.6	-32.1	89.8	-0.2	-71.3	-6.3	-11.5	16.6	-5.4	-24.0
Switzerland	-18.7	-1.7	-0.6	0.0	-4.6	3.1	1.2	1.8	1.1	11.1
Turkey	10.1	12.6	10.8	29.5	-2.9	5.8	13.6	8.2	5.7	6.3
United Kingdom	nav	nav	nav	nav	nav	-1.4	-1.6	-3.4	-2.7	2.6
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[2]	**nap**	**nap**	**nap**	**nap**	**nap**	**19.3**	**7.9**	**14.2**	**4.8**	**-3.3**

Table 13a (cont)

	Cash withdrawals at ATMs located outside the country					E-money loading/unloading transactions at terminals in the country				
						with cards issued in the country				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia	nav	nav	nav	nav	nav	nap	nap	nap	nap	nap
Belgium	-6.5	0.1	2.4	12.4	-12.8	-13.8	-18.8	-29.5	-22.4	56.7
Brazil	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
France	3.5	0.5	2.2	-26.3	35.1	7.6	5.7	-5.4	-12.5	-52.3
Germany	2.0	-7.3	0.1	-11.5	9.5	-12.8	-3.1	-13.9	82.9	-57.3
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	1.8	5.3	10.0	7.6	5.0	nav	nav	nav	nav	nav
Italy	6.8	5.9	6.9	-99.6	3,384.6	30.1	nav	nav	nav	17.3
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Korea	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mexico	12.1	14.9	-9.5	1.1	26.4	nav	nav	nav	nav	nav
Netherlands	-8.2	-10.0	-12.0	7.1	-2.8	-12.4	-20.6	-19.9	-30.5	-77.2
Russia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Saudi Arabia	34.1	19.8	15.2	9.0	8.8	nav	nav	nav	nav	nav
Singapore	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
South Africa	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Sweden	-8.1	34.5	-28.6	45.4	51.4	nav	nav	nav	nav	nav
Switzerland	-0.5	12.9	4.9	0.5	11.6	-28.7	-79.9	0.2	nav	nav
Turkey	26.2	21.2	3.1	-7.5	9.6	nav	nav	nav	nav	nav
United Kingdom	-28.1	-45.0	-4.9	17.0	-55.8	nav	nav	nav	nav	nav
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI	**8.4**	**-5.6**	**2.8**	**-7.3**	**-3.1**	**33.4**	**-21.0**	**-14.5**	**-0.2**	**-4.8**

Please refer to the individual country tables for a detailed explanation.

[1] Value of cash withdrawals and loading transactions in domestic currency deflated by yearly average CPI inflation. For the CPMI area, in US dollar terms. [2] Sum or average excluding those countries for which data are not available.

Table 14

Transactions at terminals: number of payment transactions

(millions, total for the year)

	POS transactions at terminals located in the country									
	with cards issued outside the country					with cards issued in the country				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Belgium	56.06	59.41	70.01	57.94	65.41	1,048.50	1,118.63	1,205.74	1,281.48	1,397.05
Brazil	nav	nav	nav	nav	nav	7,344.03	8,601.35	9,928.23	10,993.63	12,025.55
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	6,413.01	9,009.07	12,970.95	19,754.40	29,029.95
France	281.46	347.03	405.11	353.73	362.19	7,624.79	8,152.67	8,578.48	8,249.81	8,777.77
Germany	nap	nap	nap	170.87	145.77	2,714.85	2,907.25	3,254.87	3,165.19	3,187.67
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	18.50	15.30	16.10	18.20	22.96	629.00	850.30	1,075.00	1,405.00	1,936.33
Italy	92.11	96.19	112.95	78.35	53.00	1,745.99	2,038.73	2,274.07	2,025.62	2,176.96
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Korea	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mexico	28.06	31.67	35.39	44.46	50.85	1,238.87	1,526.50	1,767.45	1,976.19	2,294.11
Netherlands	29.58	24.69	25.88	70.10	3,900.14	2,323.96	2,512.31	2,699.72	2,968.31	3,245.33
Russia	23.51	32.10	36.50	50.45	37.64	823.98	1,543.43	2,428.64	3,920.57	5,873.65
Saudi Arabia	nap	nap	nap	nap	nap	190.30	237.95	294.04	362.56	443.29
Singapore	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
South Africa	nav	nav	nav	nav	nav	1,115.47	1,042.31	1,195.82	1,394.50	1,635.01
Sweden	81.00	94.00	101.00	99.00	114.00	1,661.00	1,885.00	2,139.00	2,271.00	2,387.00
Switzerland	47.03	49.44	54.08	58.17	51.46	492.66	537.56	571.95	636.03	812.61
Turkey	18.40	22.35	27.16	36.62	43.82	2,460.99	2,829.33	3,165.54	3,403.65	3,766.43
United Kingdom	87.00	439.00	196.00	564.00	nav	9,434.00	9,853.00	10,668.00	11,518.00	12,662.00
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[1]	**762.70**	**1,211.17**	**1,080.19**	**1,601.89**	**4,847.25**	**47,261.40**	**54,645.38**	**64,217.51**	**75,325.93**	**91,650.70**

Table 14 (cont)

	POS transactions at terminals located outside the country					E-money payment transactions at terminals in the country				
						with cards issued in the country				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia	nav	nav	nav	nav	nav	nap	nap	nap	nap	nap
Belgium	105.83	108.25	126.51	140.85	129.55	50.51	46.20	29.36	26.41	1.44
Brazil	85.97	91.71	107.84	125.79	95.38	nav	nav	nav	nav	nav
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	nap	nap	nap	nap	nap
France	286.22	322.31	385.81	325.03	456.26	nav	nav	nav	48.45	20.14
Germany	262.49	308.55	409.74	200.81	251.27	35.92	33.60	31.76	23.04	26.25
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	27.90	26.60	37.10	46.40	55.94	30.60	66.10	133.60	310.70	748.02
Italy	21.98	26.46	42.21	8.40	10.50	nav	nav	nav	221.40	131.00
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Korea	nap	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mexico	49.29	52.87	66.05	59.11	77.42	nav	nav	nav	nav	nav
Netherlands	120.48	130.59	152.59	167.00	192.98	nav	nav	122.10	86.56	4.73
Russia	90.82	148.84	229.38	323.57	278.26	nav	nav	nav	nav	nav
Saudi Arabia	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Singapore	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
South Africa	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Sweden	57.40	70.00	88.00	53.00	166.00	nap	nap	nap	nap	nav
Switzerland	98.50	113.74	129.17	142.43	152.74	10.60	2.80	1.37	nav	6.78
Turkey	28.97	35.28	48.71	55.45	61.29	nav	nav	nav	nav	nav
United Kingdom	469.00	639.00	891.00	1,442.00	1,878.00	nav	nav	nav	nav	nav
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[1]	**1,704.85**	**2,074.19**	**2,714.10**	**3,089.84**	**3,805.59**	**127.63**	**148.70**	**318.20**	**716.56**	**938.37**

Please refer to the individual country tables for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available.

Table 14a

Transactions at terminals: increase in the number of payment transactions

(% change on previous year)

	POS transactions at terminals located in the country									
	with cards issued outside the country					with cards issued in the country				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Belgium	12.0	6.0	17.8	-17.2	12.9	6.6	6.7	7.8	6.3	9.0
Brazil	nav	nav	nav	nav	nav	17.3	17.1	15.4	10.7	9.4
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	32.2	40.5	44.0	52.3	47.0
France	12.9	23.3	16.7	-12.7	2.4	6.7	6.9	5.2	-3.8	6.4
Germany	nav	nav	nav	nav	-14.7	8.5	7.1	12.0	-2.8	0.7
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	2.8	-17.3	5.2	13.0	26.2	29.9	35.2	26.4	30.7	37.8
Italy	10.0	4.4	17.4	-30.6	-32.4	26.4	16.8	11.5	-10.9	7.5
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Korea	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mexico	5.0	12.9	11.7	25.6	14.4	22.8	23.2	15.8	11.8	16.1
Netherlands	-14.1	-16.5	4.8	170.9	5,463.8	6.1	8.1	7.5	9.9	9.3
Russia	33.3	36.6	13.7	38.2	-25.4	62.6	87.3	57.4	61.4	49.8
Saudi Arabia	nav	nav	nav	nav	nav	25.9	25.0	23.6	23.3	22.3
Singapore	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
South Africa	nav	nav	nav	nav	nav	10.7	-6.6	14.7	16.6	17.2
Sweden	-8.0	16.0	7.4	-2.0	15.2	9.8	13.5	13.5	6.2	5.1
Switzerland	0.4	5.1	9.4	7.6	-11.5	6.8	9.1	6.4	11.2	27.8
Turkey	21.8	21.4	21.5	34.8	19.7	14.2	15.0	11.9	7.5	10.7
United Kingdom	-51.1	404.6	-55.4	187.8	nav	12.0	4.4	8.3	8.0	9.9
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[1]	**-5.6**	**58.8**	**-10.8**	**32.5**	**367.0**	**15.2**	**15.6**	**17.5**	**17.3**	**21.7**

Table 14a (cont)

	POS transactions at terminals located outside the country					E-money payment transactions at terminals in the country				
						with cards issued in the country				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	nav	nav	nav	nav	nav	nap	nap	nap	nap	nap
Belgium	27.5	2.3	16.9	11.3	-8.0	-16.7	-8.5	-36.4	-10.1	-94.5
Brazil	15.5	6.7	17.6	16.7	-24.2	nav	nav	nav	nav	nav
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
France	17.3	12.6	19.7	-15.8	40.4	nav	nav	nav	nav	-58.4
Germany	22.7	17.5	32.8	-51.0	25.1	-7.8	-6.5	-5.5	-27.5	13.9
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	26.8	-4.7	39.5	25.1	20.6	215.5	116.0	102.1	132.6	140.8
Italy	44.0	20.4	59.5	-80.1	25.1	nav	nav	nav	nav	-40.8
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Korea	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mexico	17.4	7.3	24.9	-10.5	31.0	nav	nav	nav	nav	nav
Netherlands	3.7	8.4	16.8	9.4	15.6	nav	nav	nav	-29.1	-94.5
Russia	67.2	63.9	54.1	41.1	-14.0	nav	nav	nav	nav	nav
Saudi Arabia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Singapore	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
South Africa	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Sweden	30.5	22.0	25.7	-39.8	213.2	nav	nav	nav	nav	nav
Switzerland	22.3	15.5	13.6	10.3	7.2	-30.6	-73.6	-51.1	nav	nav
Turkey	28.4	21.8	38.1	13.8	10.5	nav	nav	nav	nav	nav
United Kingdom	22.1	36.2	39.4	61.8	30.2	nav	nav	nav	nav	nav
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[1]	**22.1**	**21.7**	**30.9**	**13.8**	**23.2**	**2.5**	**16.5**	**31.9**	**41.0**	**30.0**

Please refer to the individual country tables for a detailed explanation.

[1] Sum or average excluding those countries for which data are not available.

Table 15

Transactions at terminals: value of payment transactions

(USD billions, total for the year) [1]

	POS transactions at terminals located in the country									
	with cards issued outside the country					with cards issued in the country				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Belgium	6.16	5.58	6.22	5.78	4.67	76.57	75.26	82.26	82.97	73.84
Brazil	nav	nav	nav	nav	nav	356.19	359.55	382.73	400.13	338.58
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	2,354.42	3,298.84	5,139.92	6,899.56	8,831.17
France	35.26	39.42	46.42	44.52	36.69	518.79	512.26	519.05	505.56	430.53
Germany	nap	nap	nap	19.49	14.79	230.00	224.20	257.76	292.64	206.55
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	4.28	2.68	3.44	3.58	4.40	27.87	34.20	39.09	47.43	57.91
Italy	15.34	15.48	18.08	0.10	6.96	197.09	206.12	219.65	187.69	163.63
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Korea	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mexico	5.75	6.61	6.01	5.36	5.22	62.15	71.64	84.58	87.36	84.08
Netherlands	4.36	3.96	4.46	5.83	159.20	121.00	114.12	122.80	128.62	114.81
Russia	2.82	3.28	3.61	3.57	2.38	51.97	80.10	109.42	128.66	100.19
Saudi Arabia	nap	nap	nap	nap	nap	26.37	32.59	38.49	45.31	51.11
Singapore	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
South Africa	nav	nav	nav	nav	nav	64.28	46.28	45.64	48.50	47.96
Sweden	5.77	6.76	6.92	6.57	7.21	82.40	85.66	95.29	94.01	81.36
Switzerland	8.22	7.89	8.61	9.10	8.74	51.40	50.60	52.78	56.06	62.20
Turkey	5.00	5.42	6.40	7.58	7.11	161.87	189.68	211.01	205.72	189.17
United Kingdom	23.19	48.70	21.34	40.28	nav	759.77	755.36	813.41	906.20	910.94
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[2]	**116.16**	**145.79**	**131.51**	**151.77**	**257.37**	**5,142.15**	**6,136.47**	**8,213.87**	**10,116.43**	**11,744.02**

Table 15 (cont)

	POS transactions at terminals located outside the country					E-money payment transactions at terminals in the country				
						with cards issued in the country				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia	nav	nav	nav	nav	nav	nap	nap	nap	nap	nap
Belgium	11.44	10.63	12.68	13.13	8.97	0.32	0.25	0.19	0.12	0.07
Brazil	10.85	10.67	10.72	11.05	7.37	nav	nav	nav	nav	nav
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	nap	nap	nap	nap	nap
France	28.47	29.01	33.20	23.42	28.81	nav	nav	nav	0.23	0.09
Germany	29.93	30.60	39.20	31.85	24.09	0.17	0.16	0.14	0.09	0.09
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	3.36	2.48	3.53	4.18	4.98	1.33	1.47	1.38	3.49	7.60
Italy	2.08	2.20	2.96	0.01	1.13	nav	nav	nav	14.24	7.52
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Korea	nap	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mexico	5.28	6.07	7.99	8.37	5.26	nap	nap	nap	nap	nap
Netherlands	12.92	12.67	14.07	12.08	11.44	nav	nav	0.39	0.26	0.03
Russia	13.55	18.38	23.73	23.20	13.09	nav	nav	nav	nav	nav
Saudi Arabia	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Singapore	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
South Africa	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Sweden	3.86	4.10	4.90	4.66	9.06	nap	nap	nap	nap	nav
Switzerland	16.95	17.70	19.52	21.04	20.01	0.06	0.01	0.01	nav	0.44
Turkey	3.09	3.34	3.99	4.16	4.17	nav	nav	nav	nav	nav
United Kingdom	45.04	54.37	63.22	92.07	98.36	nav	nav	nav	nav	nav
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[2]	**186.82**	**202.21**	**239.72**	**249.23**	**236.75**	**1.88**	**1.89**	**2.11**	**18.43**	**15.84**

Please refer to the individual country tables for a detailed explanation.

[1] Converted at yearly average exchange rates. [2] Sum or average excluding those countries for which data are not available. [3] For e-money payment transactions, total transactions during the fiscal year ending March of the following year, converted at average fiscal year exchange rates.

Table 15a

Transactions at terminals: increase in the real value of payment transactions

(% change on previous year, adjusted by CPI inflation) [1]

	POS transactions at terminals located in the country									
	with cards issued outside the country					with cards issued in the country				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Belgium	5.7	-4.4	6.5	-7.3	-4.1	2.5	3.7	4.4	0.5	5.8
Brazil	nav	nav	nav	nav	nav	14.0	11.3	11.1	7.1	8.4
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	38.4	33.4	49.0	30.5	28.5
France	8.5	18.5	12.8	-4.6	-1.5	5.7	4.6	-3.0	-3.1	1.8
Germany	nav	nav	nav	nav	-9.4	7.0	3.4	9.4	12.8	-15.7
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	9.7	-34.0	28.7	-2.6	21.6	18.6	29.2	14.6	13.8	20.7
Italy	3.5	5.8	11.5	-99.4	7,887.0	14.2	9.6	1.8	-14.7	4.2
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Korea	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mexico	-15.5	17.0	-15.1	-10.7	13.0	18.8	17.3	10.3	3.4	11.7
Netherlands	-3.5	-4.2	6.2	30.4	3,158.1	-0.3	-0.7	1.5	4.5	6.5
Russia	8.7	15.5	5.7	5.9	-5.7	66.7	53.0	31.4	25.9	10.2
Saudi Arabia	nav	nav	nav	nav	nav	32.7	20.1	14.1	14.6	10.4
Singapore	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
South Africa	nav	nav	nav	nav	nav	13.1	-22.9	10.0	13.7	10.5
Sweden	-5.0	21.1	-2.0	-0.2	33.9	4.4	7.5	6.5	3.7	5.6
Switzerland	-8.9	2.4	7.9	4.4	2.3	1.9	4.9	3.3	4.9	18.0
Turkey	25.2	9.5	16.6	26.0	7.2	13.1	18.5	9.8	3.7	5.1
United Kingdom	654.8	106.7	-56.7	76.6	nav	6.0	-2.1	6.4	4.2	8.2
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[2]	**30.6**	**22.3**	**-11.8**	**-1.9**	**127.7**	**27.0**	**16.3**	**30.8**	**20.2**	**14.5**

Table 15a (cont)

	POS transactions at terminals located outside the country					E-money payment transactions at terminals in the country				
						with cards issued in the country				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia	nav	nav	nav	nav	nav	nap	nap	nap	nap	nap
Belgium	17.9	-2.0	14.0	3.1	-18.8	-15.0	-17.6	-29.2	-33.6	-31.1
Brazil	10.0	8.5	4.8	5.6	-14.6	nav	nav	nav	nav	nav
Canada	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
France	10.5	7.9	9.6	-29.8	47.0	nav	nav	nav	nav	-51.2
Germany	14.3	8.4	22.0	-19.3	-9.6	-14.8	-2.8	-12.5	-39.1	19.4
Hong Kong SAR	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
India	11.4	-22.1	42.6	10.9	17.9	285.8	16.5	-6.0	137.3	115.4
Italy	33.2	10.9	28.7	-99.6	12,079.8	nav	nav	nav	nav	-36.9
Japan	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Korea	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Mexico	9.2	17.0	23.0	4.9	-27.1	nav	nav	nav	nav	nav
Netherlands	1.7	3.3	4.7	-14.34	13.1	nav	nav	nav	-33.9	-86.9
Russia	37.1	34.6	24.2	4.75	-20.2	nav	nav	nav	nav	nav
Saudi Arabia	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Singapore	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
South Africa	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Sweden	27.1	9.8	14.4	0.1	137.1	nav	nav	nav	nav	nav
Switzerland	7.0	11.3	9.2	6.4	1.2	-28.7	-79.9	0.2	nav	nav
Turkey	19.4	9.3	17.9	10.9	14.6	nav	nav	nav	nav	nav
United Kingdom	-2.1	18.8	14.9	36.2	15.0	nav	nav	nav	nav	nav
United States	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CPMI[2]	**15.0**	**5.5**	**15.9**	**1.4**	**-6.3**	**97.9**	**-2.0**	**-11.0**	**83.9**	**-17.5**

Please refer to the individual country tables for a detailed explanation.

[1] Value of payment transactions in domestic currency deflated by yearly average CPI inflation. For the CPMI area, in US dollar terms. [2] Sum or average excluding those countries for which data are not available.

Table PS1

Features of selected interbank funds transfer systems

(at end-2015)

System	Type	Settlement	Owner/manager	Processing	Membership	Degree of centralisation
Australia						
RITS	L	RTGS	CB	RTT	O	C
Belgium						
TARGET2-BE	L	RTGS	CB	RTT	R	C
Clearing house	R	MN	B, CB	RTT	O	C
CEC	R	MN	B, CB	RTT	O	C
Brazil						
STR	L	RTGS	CB	RTT	O[1]	C
SITRAF	R	MN, BN, G	PA[2]	RTT	O[1]	C
BmfBovespa-FX	FX	MN	Other[4]	ACH	O[5]	C
SILOC	R	MN	PA[2]	ACH	O[1]	C
COMPE	R	MN	B	ACH	O[1]	C
Canada						
LVTS	L	MN	PA	RTT	O	C
ACSS	R	MN	PA	nap[1]	R[2]	D
Interac e-Transfer	R	BN	Other[3]	nav	nav	D
China						
HVPS	L	RTGS	CB	RTT	O	C
BEPS	R	MN	CB	RTT	O	C
France						
TARGET2-BDF[1]	L	RTGS	CB	RTT	R	C
CORE (FR)[2]	R	MN	B	ACH	O	C
Germany						
TARGET2-BBk	L	RTGS	CB	RTT	O	C
RPS	R	BA	CB	ACH	O	C
Hong Kong SAR						
HKD CHATS	L, FX	RTGS	CB, B[1]	RTT	O	C
USD CHATS	L, FX	RTGS	B[1]	RTT	O	C
EUR CHATS	L, FX	RTGS	B[1]	RTT	O	C
RMB CHATS	L, FX	RTGS	B[1]	RTT	O	C
India						
RTGS	L	RTGS	CB	RTT	R	C
Clearing House						
-Cheque Clearing	R	MN	CB, B	M, ACH	R	D
-ECS / NECS	R	MN	B, CB	M, ACH	R	D[1], C[2]
-NEFT	R	MN	CB	ACH	R	C
Italy						
TARGET2-BDI	L	RTGS	CB	RTT	O	C
BI-COMP	R	MN	CB	ACH	O	C
Japan						
BOJ-NET	L	RTGS	CB	RTT	R	C
FXYCS	L	RTGS	B	RTT	R	C
Zengin System	R	MN	B	RTT	R	C
Tokyo Clearing House	R	MN	B	ACH	R	C
Korea						
BOK-Wire+	L	RTGS	CB	RTT	R	C
Check Clearing System	R	MN	PA	M, ACH	O	D, C
Interbank Shared Networks	R	MN	PA	RTT	O	C

For the footnotes regarding the systems, see after Comparative Table PS4.

Table PS1 (cont)

System	Type	Settlement	Owner/manager	Processing	Membership	Degree of centralisation
Mexico						
SPEI	L, R	MN	CB	RTT	O	C
CECOBAN	R	MN	B	ACH	O	C
Netherlands						
TARGET2-NL	L	RTGS	CB	RTT	R	C
Equens	R	MN, BA	B	ACH	R	C
Russia						
BESP System	L	RTGS	CB	RTT	R	C
VER	L, R	G	CB	RTT	O	C, D[1]
MER	L, R	G	CB	RTT	O	C
Payments using letters of advice	L, R	G	CB	M	O	D
Saudi Arabia						
SARIE	L, R	RTGS	CB	RTT	R	C
Singapore						
MEPS+(IFT)	L	RTGS	CB	RTT	O	C
SGDCCS	R	MN	PA	ACH	O	C
USDCCS	R	MN	PA	ACH	O	C
IBG	R	MN	PA	ACH	O	C
South Africa						
SAMOS	L, R	RTGS	CB	RTT	R	C
Sweden						
RIX	L	RTGS	CB	RTT	R	C
Bankgirot	R	MN	B	ACH	O	C
Dataclearing	R	MN	B	ACH	O	C
Switzerland						
SIC	L, R	RTGS	B, CB	RTT	O	D
Turkey						
EFT[1]	L, R	RTGS	CB	RTT	O	C
Garanti Payment Systems	R	MN	B	ACH	R	C
Interbank Card Center	R	MN	B	ACH	O	C
Interbank Clearing House	R	MN	CB, B	ACH	O	D
United Kingdom						
CHAPS Sterling	L	RTGS	B, CB	RTT	R	C
Cheque/credit	R	MN	B	ACH	R	D
BACS	R	MN	B	ACH	R	C
Faster Payments Service	R	MN	B	RTT	R	C
United States[1]						
CHIPS[2]	L	MN, BN, G	B	RTT	R	C
Fedwire	L	RTGS	CB	RTT	O[3]	C
European Union						
TARGET2	L	RTGS	CB, B, PA	RTT	R, O	C
EURO1 / STEP1	L	MN	B	RTT	R	C
STEP2	R	BA	B	ACH	R	C
Memo:						
CLS	FX	RTGS	B[1]	RTT	R	C

For the footnotes regarding the systems, see after Comparative Table PS4.

Table PS1 (cont)

System	Pricing	Closing time for same day transactions	Settlement finality	Cut-off third-party orders	Standard money market hours	
					opening	closing
Australia						
RITS	V	18.30[1]; 20.30[2]	Real time	18.30[1]; 20.30[2]	07:30	18.30[1]; 20.30[2]
Belgium						
TARGET2-BE	F	18:00	Real time	17:00	07:00	18:00
Clearing house	F	15:15	nav	nav	nap	nap
CEC	F	15:00	nav	nav	nap	nap
Brazil						
STR	F	18:30	Real time	17:30	06:30	18:30
SITRAF	F	17:00	Intraday[6]	17:00	nap	nap
BmfBovespa-FX	F	10:00	T+2: 14:05[7]	nap	nap	nap
SILOC	F	nap	T+1: 08:20; 16:10	21:59	nap	nap
COMPE	F	nap	T+1: 09:00, 17:15[8]	nap	nap	nap
Canada						
LVTS	F	18:30	Real time[4]	18:00	nap[5]	nap
ACSS	F	nap	nap[6]	nap	nap	nap
Interac e-Transfer	nav	nap	T+1	nap	nap	nap
China						
HVPS	F	17:30	Real time	17:00	08:30	17:00
BEPS	F	16:00	Intraday[1]	nap	nap	nap
France						
TARGET2-BDF[1]	F	18:00	Real time	17:00	07:00	18:00
CORE (FR)[2]	F	13:30	15:15	nap	nap	nap
Germany						
TARGET2-BBk	F	18:00	Real time	18:00	07:00	18:00
RPS	F	09:00[1]; 10:00[2]; 13:00[3]	Intraday	nap	nap	nap
Hong Kong SAR						
HKD CHATS	F	18:30	Real time	nap	08:30[2]	18:30[2]
USD CHATS	F	18:30	Real time	nap	08:30[2]	18:30[2]
EUR CHATS	F	18:30	Real time	nap	08:30[2]	18:30[2]
RMB CHATS	F	05:00 next day	Real time	nap	08:30[2]	05:00 next day[2]
India						
RTGS	V	20:00	Real time	16:30	09:00	17:00
Clearing House						
-Cheque Clearing	S	19:30	T+1	nap	nap	nap
-ECS / NECS	S	17:00	T+1	nap	nap	nap
-NEFT	S	19:00	Intraday	nap	nap	nap
Italy						
TARGET2-BDI	F	18:00	Real time	17:00	07:00	18:00
BI-COMP	F	12:00	[1]	12:00	nap	nap
Japan						
BOJ-NET	V[1]	21:00[2]	Real time	21:00[2]	08:30[3]	21:00[2]
FXYCS	F	21:00[4]	Real time	21:00[4]	08:30[3]	21:00[4]
Zengin System	F	15:30	16:15, Real time[5]	15:30	nap	nap
Tokyo Clearing House	F	08:00[6]	12:30	08:00[6]	nap	nap
Korea						
BOK-Wire+	F	17:30	Real time	17:30	09:00	17:30
Check Clearing System	F	16:00	T+1: 11:00	nap	nap	nap
Interbank Shared Networks	F	18:00[1], 23:55[2], 14:00/17:00[3]	T+1: 11:00	nap	nap	nap

For the footnotes regarding the systems, see after Comparative Table PS4.

Table PS1 (cont)

System	Pricing	Closing time for same day transactions	Settlement finality	Cut-off third-party orders	Standard money market hours	
					opening	closing
Mexico						
SPEI	F	17.59	Real time	17:30	18:00[1]	17:59
CECOBAN	F	nap	T+1	nap	14:00	23:00
Netherlands						
TARGET2-NL	F	18:00	Real time	17:00	07:00	18:00
Equens	F	17:00	every 30 min	15:30	nap	nap
Russia						
BESP System	V	21:00[2]	Real time	21:00[2]	10:00	19:00
VER	V	21:00[3, 4]	Intraday	21:00[3]	10:00	19:00
MER	V	21:00[3, 4]	Intraday[5]	21:00[3]	10:00	19:00
Payments using letters of advice	V	21:00[3, 4]	T+3	21:00[3]	10:00	19:00
Saudi Arabia						
SARIE	F	16:00	Real time	15:30	09:00	16:00
Singapore						
MEPS+(IFT)	V	19:00	Real time	19:00[1]	09:00	19:00
SGDCCS	F	17:30	15:05, 18:15	nap	nap	nap
USDCCS	F	15:30	T+1: 10:30	nap	nap	nap
IBG	F	12:00	18:15	nap	nap	nap
South Africa						
SAMOS	F	24:00	Real time	nap	08:00	12:00
Sweden						
RIX	F	17:00	Real time	17:00	09:00	16:15
Bankgirot	F	nap[1]	Intraday[2]	16:20[3]	nap	nap
Dataclearing	F	nap[1]	Intraday[2]	15:20[4]	nap	nap
Switzerland						
SIC	F	16:15[1]	Real time	15:00	07:00	18:00
Turkey						
EFT[1]	F	17:30	Real time	17.29	08:30	17:30
Garanti Payment Systems	F	nap	T+2	nap	nap	nap
Interbank Card Center	F	nap	T+2	nap	nap	nap
Interbank Clearing House	F	nap	T+2	nap	nap	nap
United Kingdom						
CHAPS Sterling	F	16:20	Real time	16:00	07:00	16:00
Cheque/credit	F	nap	[1]	nap	nap	nap
BACS	F	nap	[2]	nap	nap	nap
Faster Payments Service	F	nap	intraday	nap	nap	nap
United States[1]						
CHIPS[2]	F	17:00	Intraday[4]	17:00	08:30[5]	18:30
Fedwire	F	18:30	Real time	18:00	08:30[5]	18:30
European Union[1]						
TARGET2	F	18:00	Real time	17:00	07:00	18:00
EURO1 / STEP1	F	16:00	about 16:30	16:00	07:00	18:00
STEP2	F	nap	Multiple[2]	nap	16:00 on D-1[3]	02:00 on day D[3]
Memo:						
CLS	F	06:30[2]	Real time	nap	nap	nap

For the footnotes regarding the systems, see after Comparative Table PS4.

Table PS2

Payments processed by selected interbank funds transfer systems: number of transactions
(total for the year)

System	Number of transactions *(millions)*					Increase in the number of transactions *(% change on previous year)*				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia										
RITS	8.97	9.42	10.24	10.63	11.17	6.9	5.0	8.7	3.7	5.1
Belgium										
TARGET2-BE	2.59	2.49	2.31	2.52	2.28	8.4	-3.9	-7.2	9.1	-9.5
Clearing house	nap	nap	nap	nap	nap	nav	nav	nav	nav	nav
CEC	1,224.9	1,295.1	1,365.6	1,272.2	1,402.2	4.7	5.7	5.4	-6.8	10.2
Brazil										
STR	17.21	23.03	30.41	36.50	42.54	35.9	33.8	32.1	20.0	16.5
SITRAF	101.75	nap	nap	226.94	294.10	18.0	nav	nav	nav	29.6
BmfBovespa-FX	0.044	0.040	0.035	0.029	0.032	-13.7	-9.1	-12.5	-17.1	10.3
COMPE	1,132.7	1,030.4	887.4	799.7	711.6	-3.9	-9.0	-13.9	-9.9	-11.0
SILOC	2,731.1	4,183.6	5,075.7	5,877.5	6,582.3	33.5	53.2	21.3	15.8	12.0
Canada										
LVTS	6.61	7.03	7.58	7.92	8.09	9.6	6.3	7.8	4.5	2.2
ACSS	6,253.7	6,506.0	6,734.2	6,776.4	6,988.6	3.9	4.0	3.5	0.6	3.1
Interac e-Transfer	21.81	32.24	47.22	71.24	106.62	nav	47.8	46.5	50.9	49.6
China										
HVPS	372.1	470.4	595.5	712.6	788.8	27.8	26.4	26.6	19.7	10.7
BEPS	563.06	753.94	1,040.28	1,435.80	1,835.27	45.6	33.9	38.0	38.0	27.8
France										
TARGET2-BDF[1]	8.77	8.66	9.12	9.38	8.94	6.8	-1.3	5.3	2.9	-4.7
CORE (FR)[2]	13,177.6	13,432.0	13,635.4	13,924.9	14,180.2	2.8	1.9	1.5	2.1	1.8
Germany										
TARGET2-BBk	43.85	43.81	44.40	41.30	44.70	0.1	-0.1	1.3	-7.0	8.2
RPS	2,690.1	2,817.1	3,115.5	4,075.3	3,821.9	1.0	4.7	10.6	30.8	-6.2
Hong Kong SAR										
HKD CHATS	5.60	5.68	6.09	6.42	6.89	4.6	1.4	7.2	5.3	7.3
USD CHATS	3.52	3.82	4.34	4.68	4.93	11.8	8.3	13.8	7.7	5.4
EUR CHATS	0.098	0.108	0.118	0.131	0.141	7.7	10.2	9.3	11.0	7.6
RMB CHATS	0.96	1.09	1.56	2.97	4.25	295.9	13.0	43.5	90.5	43.1
India										
RTGS	55.03	68.51	81.10	92.77	98.33	11.7	24.5	18.4	14.4	6.0
Cheque Clearing	1,341.9	1,313.7	1,257.3	1,195.8	1,096.4	-3.3	-2.1	-4.3	-4.9	-8.3
ECS / NECS	286.2	298.7	345.5	341.4	263.8	4.5	4.4	15.6	-1.2	-22.7
NEFT	226.11	394.13	661.01	927.55	1,252.88	70.8	74.3	67.7	40.3	35.1
Italy										
TARGET2-BDI	8.65	8.92	10.38	11.48	10.25	-0.4	3.1	16.4	10.5	-10.7
BI-COMP	2,106.1	2,248.9	2,302.1	1,883.0	1,927.9	3.2	6.8	2.4	-18.2	2.4
Japan										
BOJ-NET	12.93	15.30	16.28	16.69	16.90	4.2	18.3	6.4	2.5	1.3
FXYCS	6.33	6.29	6.70	6.49	6.77	-0.3	-0.7	6.5	-3.1	4.3
Zengin System	1,394.8	1,460.9	1,480.7	1,514.9	1,548.3	1.0	4.7	1.4	2.3	2.2
Tokyo Clearing House	26.64	24.97	23.48	22.03	20.59	-6.6	-6.3	-6.0	-6.1	-6.5
Korea										
BOK-Wire+	3.62	3.30	3.43	3.52	3.56	9.8	-8.8	3.8	2.5	1.2
Check Clearing System	417.7	308.6	241.1	203.6	164.9	-19.2	-26.1	-21.9	-15.5	-19.0
Interbank Shared Networks	3,478.4	3,750.1	4,055.8	4,340.7	4,703.8	8.8	7.8	8.2	7.0	8.4

For the footnotes regarding the systems, see after Comparative Table PS4.

Comparative tables

	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Mexico										
SPEI	110.65	171.74	217.58	262.90	334.90	28.9	55.2	26.7	20.8	27.4
CECOBAN	154.5	149.7	142.6	137.4	131.0	-2.3	-3.1	-4.7	-3.7	-4.7
Netherlands										
TARGET2-NL	8.35	8.52	7.98	6.38	5.74	-2.8	2.0	-6.3	-20.0	-10.0
Equens	4,021.4	2,739.9	2,556.9	1,921.9	1,619.4	-10.3	-31.9	-6.7	-24.8	-15.7
Russia										
BESP System	0.6	1.2	2.11	2.93	3.25	205.4	89.9	77.0	39.0	11.2
VER	898.7	923.4	934.6	919.7	894.8	9.7	2.7	1.2	-1.6	-2.7
MER	287.6	333.9	404.4	448.0	500.5	20.6	16.1	21.1	10.8	11.7
Payments using letters of advice	0.71	0.51	0.13	0.01						

Table PS3 (cont)

System	Increase in the real value of transactions *(% change on previous year, adjusted by CPI inflation)*					Value of transactions as a percentage of GDP *(in %)*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Mexico										
SPEI	13.0	6.9	0.4	3.4	6.8	1,229.6	1,274.6	1,288.0	1,294.4	1,351.9
CECOBAN	-1.7	-2.8	-9.6	-9.7	-5.0	25.9	24.4	22.2	19.5	18.1
Netherlands										
TARGET2-NL	-0.2	29.9	-36.3	-15.1	2.0	12,319.5	16,403.6	10,597.9	8,888.5	8,905.4
Equens	-0.2	1.1	-7.8	-21.6	-4.7	318.8	330.3	308.7	238.9	223.7
Russia										
BESP System	65.0	88.3	5.8	-15.3	-0.2	373.3	668.3	709.9	610.1	662.9
VER	27.2	-6.4	-5.3	-9.7	1.0	1,006.0	895.3	851.0	779.7	857.7
MER	7.1	5.1	5.5	-5.9	-7.1	154.8	154.7	163.8	156.4	158.2
Payments using letters of advice	-55.5	31.3	-81.0	-97.9	-5.2	0.6	0.7	0.1	0.0	0.0
Saudi Arabia										
SARIE	-5.4	16.8	-19.3	-3.0	-12.2	2,166.6	2,376.1	1,957.3	1,925.3	2,016.2
Singapore										
MEPS+(IFT)	0.5	-3.0	-8.1	-9.3	5.9	5,216.8	4,932.8	4,398.1	3,925.8	3,987.8
SGDCCS	-2.1	-2.9	1.8	-4.8	-1.2	186.3	176.4	174.3	163.3	154.8
USDCCS	0.7	-5.6	4.0	0.8	4.4	18.6	17.1	17.3	17.1	17.1
IBG	4.5	3.2	5.9	4.6	6.7	81.2	81.6	83.8	86.3	88.4
South Africa										
SAMOS - large	0.8	2.9	0.1	14.1	5.7	2,533.9	2,560.0	2,476.6	2,762.4	2,919.1
SAMOS - retail	1.9	4.0	4.0	2.3	2.5	239.7	244.8	246.1	246.2	252.1
Sweden										
RIX	-10.4	-1.1	-10.4	4.7	12.9	3,410.9	3,377.5	2,970.5	2,985.6	3,196.2
Bankgirot	7.5	4.7	3.9	3.7	40.4	224.4	235.2	239.9	238.6	317.6
Dataclearing	5.5	3.1	0.5	7.8	9.3	70.8	73.1	72.2	74.6	77.4
Switzerland										
SIC	-4.4	-19.6	5.9	-6.9	32.2	6,126.1	4,849.8	5,032.5	4,621.4	6,024.2
Turkey										
EFT[1] - large	42.7	-21.6	-1.6	7.2	-2.0	3,029.3	2,308.3	2,204.8	2,292.3	2,188.3
EFT - retail	nav	nav	1284.5	7.7	5.4	nav	27.0	363.0	379.2	389.4
Garanti Payment Systems	nav	33.3	44.6	10.9	10.6	0.5	0.6	0.8	0.9	1.0
Interbank Card Center	11.4	16.9	4.2	7.0	1.9	10.5	11.9	12.1	12.5	12.4
Interbank Clearing	9.4	8.3	2.8	6.7	0.7	21.2	22.4	22.3	23.1	22.7
United Kingdom										
CHAPS Sterling	7.8	9.2	-4.6	-4.5	0.6	3,923.0	4,281.5	4,032.0	3,729.0	3,659.7
Cheque/credit	-15.0	-13.6	-13.1	-8.1	-8.4	44.7	38.6	33.1	29.5	26.3
BACS	2.9	-8.3	0.0	3.3	3.8	268.0	245.5	242.5	242.6	245.6
Faster Payments	nav	nav	21.7	15.5	15.1	nav	36.9	44.3	49.6	55.7
United States										
CHIPS	7.2	-11.3	2.9	1.4	-3.6	2,599.2	2,258.2	2,276.5	2,246.3	2,083.9
Fedwire	5.8	-11.5	17.6	22.3	-5.5	4,277.9	3,709.0	4,273.5	5,085.6	4,627.4
European Union[6]										
TARGET	0.4	6.5	-22.3	-11.3	2.0	6,646.2	7,229.0	5,635.2	4,921.7	4,868.0
EURO1 / STEP1	0.2	-11.8	-17.1	-15.6	7.0	653.3	588.7	490.1	407.1	422.2
STEP2 XCT Service[4]	-25.5	nav	nav	nav	nav	1.6	nav	nav	nav	nav
STEP2 ICT Service[5]	-2.0	-17.8	-13.1	-92.7	nav	12.6	10.6	9.3	0.7	nav
STEP2 SCT Service	62.1	51.0	47.7	153.6	12.5	16.1	24.9	36.9	92.0	100.4
STEP2 SDD B2B Service	361.2	86.8	737.8	513.1	4.2	0.1	0.1	0.9	5.7	5.8
STEP2 SDD CORE Service	4348.5	252.7	549.8	1393.6	1.7	0.0	0.1	0.7	10.9	10.7

For the footnotes regarding the systems, see after Comparative Table PS4.

Table PS4

Participation in selected interbank funds transfer systems

(end of year)

System	Total number of participants					*of which: direct participants*				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia										
RITS	82	82	85	88	87	60	60	61	59	60
Belgium										
TARGET2-BE	48	48	46	45	47	12	14	14	14	16
Clearing house	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
CEC	74	72	70	63	59	18	15	14	13	14
Brazil										
STR	166	171	169	172	181	166	171	169	172	181
SITRAF	98	nap	nap	102	101	98	nap	nap	102	101
BmfBovespa-FX	70	71	76	76	77	70	71	76	76	77
COMPE	137	136	131	129	119	137	136	131	129	119
SILOC	122	121	119	122	122	122	121	119	122	122
Canada										
LVTS	87	89	90	84	82	16	16	16	16	17
ACSS	126	122	117	123	123	12	12	12	12	12
Interac e-Transfer	nav	nav	nav	nav	258	nav	nav	nav	nav	nap
China										
HVPS	109,597	119,214	125,937	131,653	137,488	1,747	1,783	1,799	773	656
BEPS	109,509	119,115	125,823	131,522	137,012	1,754	1,791	1,807	774	640
France										
TARGET2-BDF[1]	308	320	328	320	317	89	114	124	121	123
CORE (FR)[2]	402	419	380	367	367	10	10	10	10	10
Germany										
TARGET2-BBk	2,745	2,744	874	944	865	280	283	644	719	719
RPS	212	204	202	175	182	212	204	202	175	182
Hong Kong SAR										
HKD CHATS	146	152	154	159	156	146	152	154	159	156
USD CHATS	219	222	223	222	219	90	92	94	100	100
EUR CHATS	52	52	55	55	55	33	33	37	37	37
RMB CHATS	158	174	184	199	219	158	174	184	199	219
India										
RTGS	128	160	172	177	192	128	160	172	177	192
Cheque Clearing	209	200	535	701	1,244	117	108	213	258	264
ECS / NECS	117	117	117	123	123	117	117	117	123	123
NEFT	116	146	161	161	173	116	146	161	161	173
Italy										
TARGET2-BDI	441	426	170	167	156	101	103	102	105	100
BI-COMP	nav	nav	nap	669	728	89	87	83	453	51
Japan										
BOJ-NET	554	550	542	538	536	554	550	542	538	536
FXYCS	208	206	203	202	201	29	27	27	28	27
Zengin System	1,371	1,361	1,352	1,340	1,322	143	143	142	143	145
Tokyo Clearing House	323	318	317	315	312	105	105	106	106	106
Korea										
BOK-Wire+	134	133	134	133	130	134	133	134	133	130
Check Clearing System	27	27	27	27	25	27	27	27	27	25
Interbank Shared Networks	56	57	57	58	58	56	57	57	58	58

For the footnotes regarding the systems, see after this table.

Table PS4 (cont)

System	Total number of participants					*of which: direct participants*				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Mexico										
SPEI	89	93	95	107	107	89	93	95	107	107
CECOBAN	28	28	29	29	29	28	28	29	29	29
Netherlands										
TARGET2-NL	100	107	112	111	105	54	61	66	66	63
Equens	47	64	123	161	162	44	61	99	66	72
Russia										
BESP System	3,248	2,894	2,776	2,495	2,113	3,248	2,894	2,776	2,495	2,113
VER	3,590	2,991	2,773	2,426	2,038	3,590	2,991	2,773	2,426	2,038
MER	3,594	2,996	2,773	2,426	2,038	3,594	2,996	2,773	2,426	2,038
Payments using letters of advice	543	86	85	86	82	543	86	85	86	82
Saudi Arabia										
SARIE	23	23	23	23	23	23	23	23	23	23
Singapore										
MEPS+(IFT)	136	137	140	143	126	64	62	64	64	63
SGDCCS	64	63	64	63	61	34	34	34	34	34
USDCCS	48	48	48	49	48	32	32	32	32	32
IBG	45	44	45	45	45	39	38	39	40	40
South Africa										
SAMOS - large	24	23	25	28	29	24	23	25	28	29
SAMOS - retail	24	24	26	28	29	23	22	23	25	27
Sweden										
RIX	25	25	27	30	29	25	25	27	30	29
Bankgirot	20	21	21	21	22	20	21	21	21	22
Dataclearing	20	21	21	21	29	20	21	21	21	29
Switzerland										
SIC	380	378	368	358	350	380	378	368	358	350
Turkey										
EFT[1] - large	47	48	49	49	52	47	48	49	49	52
EFT - retail	nav	48	49	49	52	nav	48	49	49	52
Garanti Payment Systems	7	9	9	10	10	7	9	9	10	10
Interbank Card Center	27	27	28	27	29	27	27	28	27	29
Interbank Clearing	40	41	41	41	42	40	41	41	41	42
United Kingdom										
CHAPS Sterling	nav	nav	nav	nav	nav	18	19	20	21	22
Cheque/credit	nav	nav	nav	nav	nav	11	11	11	11	11
BACS	63,416	63,416	63,016	nav	nav	16	16	16	16	16
Faster Payments	nav	nav	nav	nav	nav	nav	10	10	10	10
United States										
CHIPS	52	52	50	49	49	nav	nav	nav	nav	nav
Fedwire[6, 7]	7,338	7,143	6,930	7,866	6,820	nav	nav	nav	nav	nav
European Union										
TARGET	4,484	4,484	2,326	2,368	2,271	1,104	1,172	1,535	1,603	1,606
EURO1 / STEP1	259	235	212	199	183	259	235	212	199	183
STEP2 XCT Service[4]	1,673	nav	nav	nav	nav	97	nav	nav	nav	nav
STEP2 ICT Service[5]	73	68	70	69	nav	6	6	6	6	nav
STEP2 SCT Service	4,669	4,696	4,823	4,806	4,825	123	125	127	128	136
STEP2 SDD B2B	3,405	3,366	3,438	3,402	3,408	71	74	78	83	90
STEP2 SDD CORE Service	3,935	3,874	4,024	3,927	3,922	87	90	93	94	102
Memo:										
CLS	63	64	65	64	66	61	62	63	62	64

For the footnotes regarding the systems, see after this table.

Table PS4 (cont)

System	Concentration ratio in terms of volume *(in %)*					Concentration ratio in terms of value *(in %)*				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia										
RITS	70.8	72.2	70.7	70.2	69.5	61.8	62.2	60.4	61.6	60.5
Belgium										
TARGET2-BE	91.8	90.6	89.5	93.7	93.9	92.3	90.9	89.9	90.8	90.5
Clearing house	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
CEC	85.0	85.6	86.7	89.0	87.6	84.6	85.2	85.9	86.1	86.2
Brazil										
STR	40.3	47.0	45.8	47.7	51.2	54.1	52.6	58.0	60.4	58.5
SITRAF	72.1	nap	nap	80.9	81.5	77.4	nap	nap	81.8	81.6
BmfBovespa-FX	47.5	45.4	47.8	47.3	34.8	58.2	54.7	58.1	61.5	40.8
COMPE	79.8	80.7	79.4	79.1	78.4	79.6	80.5	80.3	79.8	78.9
SILOC	82.7	84.7	84.0	85.2	84.4	83.0	84.1	82.4	81.7	81.6
Canada										
LVTS	80.8	80.9	80.9	80.4	81.0	74.3	74.4	72.2	76.4	76.8
ACSS	86.4	79.9	85.8	89.2	85.9	80.3	80.1	79.5	80.1	76.8
Interac e-Transfer	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China										
HVPS	57.5	57.6	58.6	58.4	58.3	40.6	40.3	41.0	35.1	33.8
BEPS	60.9	63.0	63.2	62.4	67.7	48.0	47.2	47.3	53.6	58.4
France										
TARGET2-BDF[1]	53.0	53.7	54.2	55.0	55.5	64.2	54.7	63.2	62.1	65.6
CORE (FR)[2]	73.4	82.7	83.0	84.0	82.7	81.0	74.8	74.5	75.8	75.3
Germany										
TARGET2-BBk	50.0	50.1	50.0	49.2	52.5	33.1	28.9	29.5	26.2	45.8
RPS	31.5	32.0	29.3	38.9	51.8	18.1	14.5	18.4	44.8	57.4
Hong Kong SAR										
HKD CHATS	nav	58.6	58.3	57.4	56.2	nav	48.3	49.0	50.3	49.6
USD CHATS	nav	59.5	61.7	60.6	58.8	nav	64.2	58.4	59.8	59.2
EUR CHATS	nav	72.4	73.6	73.9	73.1	nav	94.3	96.7	96.1	86.9
RMB CHATS	nav	48.0	44.0	50.7	48.3	nav	44.0	42.0	48.7	48.6
India										
RTGS	45.1	45.6	40.8	40.8	40.5	42.5	40.1	41.0	45.8	48.5
Cheque Clearing	53.6	45.7	36.8	30.1	22.9	81.8	74.7	65.0	56.0	47.2
ECS / NECS	11.4	10.4	10.2	8.6	5.5	2.2	2.1	2.6	2.5	1.6
NEFT	9.0	13.7	19.4	23.3	26.1	14.8	21.7	30.6	39.2	48.0
Italy										
TARGET2-BDI	44.0	41.9	44.6	45.2	44.6	56.5	52.3	50.5	50.7	50.7
BI-COMP	51.7	52.0	52.6	41.3	54.1	57.0	57.5	57.6	53.9	47.7
Japan										
BOJ-NET	47.9	47.5	45.8	49.4	48.0	36.5	37.8	37.4	43.0	41.5
FXYCS	77.2	79.4	80.7	80.4	76.3	74.9	75.4	75.5	74.6	72.2
Zengin System	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Tokyo Clearing House	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Korea										
BOK-Wire+	30.0	28.0	26.6	28.1	27.8	34.5	35.2	32.7	33.8	34.3
Check Clearing System	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Interbank Shared Networks	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

For the footnotes regarding the systems, see after this table.

Table PS4 (cont)

System	Concentration ratio in terms of volume *(in %)*					Concentration ratio in terms of value *(in %)*				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Mexico										
SPEI	78.4	81.2	81.4	82.2	82.6	66.0	61.3	59.3	58.7	58.9
CECOBAN	83.5	83.4	84.3	83.7	82.8	80.6	81.2	82.0	81.3	80.9
Netherlands										
TARGET2-NL	68.6	67.5	68.1	75.1	80.0	67.4	76.2	65.5	74.9	70.9
Equens	96.8	98.0	98.5	98.4	98.4	88.6	94.0	93.1	90.2	89.0
Russia										
BESP System	18.1	18.1	12.9	21.8	22.3	73.0	47.4	51.6	41.4	62.0
VER	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
MER	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Payments using letters of advice	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Saudi Arabia										
SARIE	78.9	79.0	83.0	78.0	75.0	76.6	76.0	78.0	72.0	74.0
Singapore										
MEPS+(IFT)	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
SGDCCS	88.3	88.2	88.2	88.4	88.4	83.3	82.6	82.7	82.5	81.8
USDCCS	76.5	76.0	76.2	76.9	77.8	71.1	70.9	70.6	70.3	70.8
IBG	86.9	86.2	85.7	85.0	83.6	81.4	81.4	80.5	79.4	79.7
South Africa										
SAMOS - large	91.7	92.4	92.6	91.2	90.8	86.6	85.5	80.2	73.8	72.8
SAMOS - retail	62.6	59.8	59.3	59.3	58.8	95.3	94.8	93.7	92.9	92.3
Sweden										
RIX	87.5	89.0	86.5	88.5	88.1	74.0	79.6	74.0	74.2	81.9
Bankgirot	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Dataclearing	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Switzerland										
SIC	61.8	62.3	61.8	61.8	61.5	64.9	66.6	64.1	66.1	64.2
Turkey										
EFT[1] - large	58.4	55.5	66.3	61.6	60.7	67.5	56.3	45.6	44.7	44.5
EFT - retail	nav	nav	55.2	54.0	54.6	nav	nav	36.9	37.7	38.1
Garanti Payment Systems	96.1	95.7	94.9	95.0	95.5	96.1	95.5	95.0	94.5	95.3
Interbank Card Center	63.5	61.8	60.4	61.2	61.2	66.2	65.6	63.3	62.6	62.1
Interbank Clearing	54.6	56.2	52.1	51.8	52.8	53.1	52.2	51.9	52.8	54.4
United Kingdom										
CHAPS Sterling	73.0	73.0	73.0	72.0	71.0	67.0	67.0	65.0	63.0	63.0
Cheque/credit	77.0	79.0	79.0	80.0	81.2	86.0	83.0	81.0	82.0	81.7
BACS	80.0	81.0	81.0	81.0	81.0	nav	nav	nav	nav	nav
Faster Payments	nav	88.0	88.0	88.0	89.0	nav	87.0	87.0	88.0	88.0
United States										
CHIPS	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Fedwire	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
European Union										
TARGET	nav	nav	nav	nav	nav	15.6	13.0	16.9	15.7	17.1
EURO1 / STEP1	30.5	32.7	31.6	32.2	33.6	51.4	51.9	47.4	48.6	50.7
STEP2 XCT Service[4]	43.4	nav	nav	nav	nav	38.3	nav	nav	nav	nav
STEP2 ICT Service[5]	99.9	99.9	99.9	99.9	nav	99.9	99.9	99.9	99.7	nav
STEP2 SCT Service	51.0	46.4	37.7	45.7	44.5	29.0	26.6	27.0	35.7	35.1
STEP2 SDD B2B Service	88.9	84.8	74.3	54.7	53.8	80.6	76.3	81.2	57.3	58.3
STEP2 SDD CORE Service	79.5	92.5	83.7	58.8	62.1	84.0	85.3	71.0	56.4	58.1

For the footnotes regarding the systems, see after this table.

Footnotes for Tables PS1–4

Australia: [1] Australian eastern standard time. [2] Australian eastern daylight-saving time.

Brazil: [1] Any financial institution holding a reserve account or a settlement account at the Central Bank of Brazil. [2] The system is owned by CIP, a not-for-profit association owned by banks. [3] Any bank holding a reserve account at the Central Bank of Brazil. [4] The system is owned by BM&F BOVESPA, which is a for-profit company. [5] Any bank authorised by the Central Bank of Brazil to carry out FX transactions and holding a reserve account at the Central Bank of Brazil. [6] Payments become final at the moment settlement is completed by the system, which occurs throughout the day. [7] T and T+1 are also possible, but the relevant volume and value are very low. [8] The time of settlement finality depends on the value of the cleared documents.

Canada: [1] Not all payment categories process in real time. [2] To become a direct clearer, an institution must process payment items volume of at least 0.5% of the total national volume of payment items. [3] Interac e-Transfer is owned by Acxsys Corporation. [4] Final settlement occurs at 18:30. However, due to the risk controls and legal framework in place, the LVTS provides real-time settlement finality on a payment by payment basis. [5] No standard hours. [6] ACSS does not legally support settlement finality, however, settlement entries in accounts at the central bank are considered final.

China: [1] Payment orders are submitted for settlement during the day at the designated time.

France: [1] Since 18 February 2008, TBF (the French component of TARGET) and PNS have been replaced by TARGET2-Banque de France, the single French large-value payment system. [2] Launched on 28 January 2008, CORE progressively replaced the former retail payment infrastructure SIT, closed on 25 October 2008.

Germany: [1] For legacy credit transfers, legacy direct debits and BSE cheque collection procedure. Payments submitted after 09:00 are settled on the next banking business day. [2] For SEPA direct debits and ISE cheque collection procedure. ISE payments submitted after 10:00 are settled on the next banking business day. SEPA direct debit payments are settled on the individual interbank settlement date of the relevant transaction. [3] For SEPA credit transfers. Payments submitted after 13:00 are settled on the next banking business day.

Hong Kong SAR: [1] Hong Kong Interbank Clearing Limited is the system operator of HKD CHATS, USD CHATS, EUR CHATS and RMB CHATS in Hong Kong. It is jointly owned by the Hong Kong Monetary Authority and the Hong Kong Association of Banks. [2] The money market in Hong Kong can operate at any time during the day, but for same day settlement in Hong Kong a transaction must be submitted for processing between (a) 08:30 and 18:30 for HKD CHATS, USD CHATS and EUR CHATS, (b) 08:30 and 05:00 next day for RMB CHATS.

India: [1] For ECS. [2] For NECS.

Italy: [1] Transfer orders are legally enforceable and binding on third parties when the system completes the gathering of the transfer orders or the bilateral balances stemming from the two BI-COMP subsystems ("Local Clearing" and "Retail").

Japan: [1] Processing costs of transfer orders are recovered from the participants, but development and maintenance costs of BOJ-NET are covered by the Bank of Japan. [2] "Core Time" of Fund Transfer Services, which requires all users to keep connecting with BOJ-NET, is set from 9:00 to 17:00. During the operating hours other than "Core Time", any users can use BOJ-NET after the coordination with their counterparties. [3] On the last business day of each month, BOJ-NET opens at 7:30. [4] "Core Time" of Funds Transfer Services for FXYCS is set from 9:00 to 15:00. [5] Large-value payments (equal to or larger than 100 million yen) are routed to BOJ-NET for real-time settlement. [6] Cut-off time for bills and cheques sorted by banks. Bills and cheques for sorting at TCH must be submitted by 21:00 of the day before the value date.

Korea: [1] For Interbank Funds Transfer System. [2] For CD/ATM System and Electronic Banking System. [3] For CMS System.

Mexico: [1] SPEI opens at 18:00 of the previous day, and mostly CLS and government payments are settled before 07:45.

Netherlands: [1] In principle; sometimes less.

Russia: [1] A small number of payments are not processed centrally due to technical issues. [2] Moscow time. The closing time can be extended. [3] Local time of the regional subsystem. The closing time can be extended. In some selected regions, the closing time for orders of participants in the BRPS can be set earlier than 21:00 but later than 17:00 local time. [4] In the regional subsystem some orders are accepted on paper not later than 14:00. [5] In the MER system payments are carried out on a gross basis with intraday finality, except for settlements between regions located in remote time zones, which have finality no later than the next day (T+1).

Singapore: [1] MEPS+(IFT) does not impose a cut-off time for third-party/international correspondents' payments, but the Association of Banks in Singapore (ABS) bye-laws on MEPS require all such payments to be made by 17:30 on Monday to Friday.

South Africa: [1] Volumes of transactions in retail payment streams are settled in batches. Thus, volumes recorded by the system represent the number of batches and not actual transactions settled.

Sweden: [1] No same day transaction. [2] Payments become final on completion of settlement, which occurs throughout the day. [3] The settlement points for the different flows are spread out between 07:15 and 16:20. [4] The settlement points for the different flows are spread out between 07:15 and 15:20.

Switzerland: [1] 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 17:00 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 (clearing stop 1) and 16:00 (clearing stop 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 Liquidity-Shortage Financing Facility (special-rate repo transactions, collateralised loans from the Swiss National Bank at a penalty rate).

Turkey: [1] EFT (Electronic Funds Transfer) system is the RTGS system operated by the CBRT. It encompasses both a customer payment system and a banking payment system.

United Kingdom: [1] In net settlement, the payment becomes final and irrevocable once details of the payment have been entered into the Interbank Data Exchange (IBDE). [2] In net settlement, the payment becomes final when the payment has had an effect on the bilateral net position.

Footnotes for Tables PS1–4 (cont)

United States: [1] Local times are Eastern Time. [2] CHIPS, the Clearing House Interbank Payments System, is owned by The Clearing House. [3] Any depository institution, including a US branch or agency of a foreign bank, may maintain an account with a Federal Reserve Bank. [4] Payments over CHIPS become final on completion of settlement, which occurs throughout the day. [5] Trading occurs among dealers for funds on deposit at Federal Reserve Banks (ie federal funds) as early as 06:30. [6] Other Fedwire Funds Service participants not included here are: 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.

European Union: [1] All times are Central European Time (CET). [2] STEP2 SCT payments are settled in TARGET2 through multiple day-time cycles and optional night-time cycles. STEP2 SDD payments are settled in TARGET2 through two separate cycles. [3] Opens the day before (D-1) and closes the day after (D). [4] STEP2 XCT Service closed in December 2011. [5] STEP2 ICT Service closed in September 2014. [6] Using euro area consumer price (HICP) inflation and GDP respectively.

CLS: [1] Includes some non-bank financial institutions. [2] Central European Time (CET). [3] Each side of the transaction is counted separately. Spot and forward transactions have two sides, while swaps have four. In trillions of US dollars.

Table TRS1

Features of selected exchanges and trading systems

(at end-2015)

System	Owner/ manager	Markets / products	Trading	Operating times	Relationship with CCP
Australia					
ASX	SE[1]	SEC: E, O; DER	ELT	10:00-16:00	int[2]
ASX 24	SE[1]	DER	ELT	17:10-07:00, 08:30-16:30[3]	int[4]
Belgium					
Regulated off-exchange[1]	O	SEC: G	ELT	nap	nap
Euronext Brussels	SE	SEC: B, G, E, O; DER	ELT	9:00-17:40	indep
Brazil					
BmfBovespa-Equities	SE	SEC: E, O; DER	ELT	10:00-17:00[1]	int[2]
BmfBovespa-Derivatives	SE	DER	ELT	9:00-18:00[3]	int[2]
Canada					
TSX	SE[1]	SEC: B, E	ELT	09:30-16:00	par[2]
MX	SE[1]	DER	ELT	06:00-16:15[3]	par[4]
NGX	SE[1]	DER	ELT	05:00-15:00[3]	int[5]
ICE	SE[6]	DER	ELT	20:00-14:15[7]	par[8]
CSE	O[9]	SEC: E	ELT	09:30-16:00	indep[10]
Alpha	B, O[11]	SEC: E, B, O; DER	ELT	04:30-17:00[12]	indep[10]
China					
Shanghai Stock Exchange	SE	SEC: B, G, E, O; DER	ELT	09:15-11:30[1], 13:00-15:30[2]	indep[3]
Shenzhen Stock Exchange	SE	SEC: B, G, E, O; DER	ELT	9:15-11:30, 13:00-15:00	indep[3]
France					
Euronext Paris	SE[1]	SEC: B, G, E, O; DER	ELT	09:00-17:30	indep[2]
Germany					
Xetra	SE[1]	SEC: E, O	ELT	09:00-17:30	
Xetra Frankfurt Specialist (since 2011; before: Frankfurt Floor)	SE[1]	SEC: B, G, E, O	FLT	09:00-20:00	int[2]
Eurex	SE[3]	DER	ELT	07:30-22:00[4]	
Hong Kong SAR					
The Stock Exchange of Hong Kong Limited	SE[1]	SEC: B, G, E; DER: O[2]	ELT	09:00-12:00[3], 12:00-13:00[3, 4], 13:00-16:00[3]	int
India					
NDS	CB, O	SEC: G	ETL	09:00-17:00	nap
BSE: BOLT	SE	SEC: E, B; DER	ETL	09:00-15:30	int[1]
NSE: NEAT	SE	SEC: E, B; DER	ETL	09:00-15:30	int[2]
USE	SE	DER	ETL	09:00-15:30	int[1]
MCX-SX	SE	SEC: E; B; DER	ETL	09:00-15:30	int[3]
Italy					
Borsa Italiana	SE	SEC: B, G, O DER	ELT	08:00-1730[1]	int[2]
MTS	SE	SEC: B, G	ELT	08:00-17:30	int[2]; indep[3]
PCT	SE	SEC: B, G	ELT	07:45-18:30	int[2]; indep[3]
Japan					
Tokyo Stock Exchange (TSE)	SE[1]	SEC: B, G, E, O	ELT	09:00-15:00	par[2]
Osaka Exchange (OSE)	SE[1]	DER	ELT	09:00-15:10	par[2]
Tokyo Financial Exchange (TFX)	B, O	DER	ELT	08:45-15:30	int[3]
Korea					
Korea Exchange(KRX)	O	SEC: B, G, E, O; DER	ELT	09:00-15:00[1], 09:00-15:15[2]	int[3]
Mexico					
BMV	SE	SEC: E	ELT	08:30-15:00	par[1]
Mexder	SE, O	DER	ELT	07:30-15:00	int[2]

For the footnotes regarding the systems, see after this table.

System	Owner/ manager	Markets / products	Trading	Operating times	Relationship with CCP
Netherlands					
Euronext Amsterdam	SE[1]	nav	nav	09:00-17:00	nav
Russia					
Moscow Exchange	CB, B, O	DER, O	ELT	10:00-23:50	par
MICEX SE	SE	SEC: B, G, E, O	ELT	09:30-19:30	int
Saudi Arabia					
Tadawul	SE	SEC: B, E	ELT	11:00 - 15:30	nap
Singapore					
SGX	SE	SEC: B, E, O; DER	ELT	09:00-17:00[1]	int
South Africa					
Johannesburg Stock Exchange (JSE)	SE	SEC: B, E	ELT	09:00-17:00	nap
Sweden					
NASDAQ OMX Stockholm	SE[1]	SEC: B, G, E, O; DER	ELT	09:00-17:30	int[2]
Switzerland					
SIX Swiss Exchange	B, CB[1]	SEC: B, G, E, O; DER	ELT	08:30-17:30	int[2]; indep[3]
Turkey					
Borsa İstanbul	SE	SEC: B, G, E, O; DER	ELT, FLT	09:15-17:40[1], 09:15-17:00[2]	nap
Turkish Derivatives Exchange[3]	nap	nap	nap	nap	nap
United Kingdom					
London Stock Exchange	nav	nav	nav	nav	nav
Virt-x	nav	nav	nav	nav	nav
United States[1]					
New York Stock Exchange	O	SEC: E, O; DER	FLT, ELT	09:30-16:00	indep[2]
Nasdaq	O	SEC: E,O	ELT	09:30-16:00	indep[2]
American Stock Exchange	SE	SEC: E, O; DER	FLT	09:30-16:00	indep[2]

France: [1] Euronext has a credit institution's status. [2] LCH.Clearnet SA.

Singapore: [1] SGX has a pre-opening routine where

Table TRS3 (cont)

System	Value of transactions *(USD billions)* [1]					Average value per transaction *(USD thousands)* [1]				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Korea										
Korea Exchange(KRX)	14,408.7	11,228.5	10,331.3	8,305.3	8,671.4	3.67	6.14	12.65	12.30	11.01
Mexico										
BMV	169.08	202.70	227.93	184.75	148.01	15.11	10.30	6.59	4.77	3.02
Mexder	421.7	370.1	264.6	296.9	163.8	9.02	8.68	9.67	9.93	9.61
Netherlands										
Euronext Amsterdam	646.9	467.6	529.4	612.1	649.8	12.39	10.47	11.47	12.81	10.60
Russia										
MICEX	1,709.0	nav	nav	nap	nap	50.15	nav	nav	nap	nap
MICEX SE	3,175.6	5,915.0	7,190.7	5,374.7	3,322.5	23.67	57.14	83.72	50.67	30.39
RTS	1,995.6	nav	nav	nap	nap	11.87	nav	nav	nap	nap
Moscow Exchange	nap	1,819.7	4,629.8	5,585.8	4,965.6	nap	9.58	31.54	30.48	15.43
Saudi Arabia										
Tadawul	293.5	514.6	365.3	572.5	443.4	0.01	0.01	0.01	0.02	0.01
Singapore										
SGX	296.7	257.3	283.6	209.8	203.6	14.24	11.69	9.90	9.46	3.91
South Africa										
JSE	3,982.7	3,791.3	3,124.4	2,702.6	2,756.8	135.3	127.5	73.7	53.9	41.6
Sweden										
NASDAQ OMX Stockholm	1,189.3	961.3	1,088.3	1,181.9	1,250.6	16.6	15.8	19.3	18.9	15.0
Switzerland										
SIX Swiss Exchange	1,251.2	916.9	1,050.5	1,224.8	1,397.5	32.38	29.91	31.24	32.21	27.58
Turkey										
Borsa İstanbul	702.9	547.2	861.6	744.5	680.6	6.81	6.83	9.88	8.13	6.37
Turkish Derivatives Exchange	263.35	225.28	nap	nap	nap	3.55	3.61	nav	nav	nap
United Kingdom										
London Stock Exchange	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Virt-x	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
United States										
New York Stock Exchange	18,094.7	13,505.0	13,776.0	15,938.9	17,536.2	9.02	9.74	11.46	10.26	9.93
Nasdaq	14,300.5	13,655.0	14,489.4	17,779.0	18,941.0	6.35	7.06	7.65	7.37	7.54
American Stock Exchange	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

[1] Converted at yearly average exchange rates.

Table TRS3 (cont)

System	Increase in the real value of transactions *(% change on previous year, adjusted by CPI inflation)*					Value of transactions as a percentage of **GDP** *(in %)*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia										
ASX	-7.0	-23.1	1.6	-6.1	14.4	89.7	68.2	68.9	64.0	73.2
ASX 24	nap	nap	nap	nap	nap	nap	nap	nap	nap	3,091.0
Belgium										
Regulated off-exchange	12.4	nav	nav	nav	nav	243.9	nap	nap	nap	nap
Euronext Brussels	-4.8	-4.9	5.0	3.8	39.3	23.9	22.8	24.0	24.4	33.4
Brazil										
BmfBovespa-Equities	0.9	3.7	5.1	-16.9	-14.7	54.2	54.1	54.4	45.0	40.9
BmfBovespa-Derivatives	2.8	-1.3	6.3	-18.6	14.6	1,059.5	1,007.3	1,025.4	830.6	1,015.2
Canada										
TSX	5.9	-21.3	-5.4	7.8	2.0	84.2	66.1	60.2	63.8	66.1
Montréal Exchange	45.3	-1.9	9.1	6.4	-9.3	1,273.5	1,247.3	1,310.3	1,370.1	1,262.3
NGX	-27.7	-50.0	70.9	15.3	-56.7	1.8	0.9	1.5	1.7	0.7
ICE	34.2	8.1	3.0	-19.2	6.5	2.9	3.1	3.1	2.5	2.7
CSE	22.4	-1.1	-34.6	307.6	-29.5	0.0	0.0	0.0	0.0	0.0
Alpha	-3.2	-18.7	-32.9	-2.1	-28.0	22.5	18.3	11.8	11.4	8.3
China										
Shanghai Stock Exchange	8.3	17.4	54.0	45.2	105.8	96.4	105.4	152.1	201.3	393.6
Shenzhen Stock Exchange	-25.9	-9.9	61.9	47.0	203.0	41.0	34.4	52.2	69.9	201.1
France										
Euronext Paris	1.9	-29.1	-4.3	18.5	28.7	62.3	44.5	42.4	50.0	63.3
Germany										
Xetra	1.3	-24.0	-1.7	10.1	27.4	55.2	42.0	40.9	43.9	54.0
Xetra Frankfurt Specialist (since 2011; before: Frankfurt Floor)	-41.8	-62.2	-29.3	5.0	19.7	13.9	5.3	3.7	3.8	4.4
Eurex	6.6	99.0	-58.6	0.1	-58.5	3,969.8	7,905.9	3,244.2	3,164.5	1,268.6
Hong Kong SAR										
Hong Kong Stock Exchange	-5.2	-25.9	10.0	7.6	47.7	891.5	653.0	714.0	759.7	1,088.4
India										
NDS	8.9	73.6	23.9	161.2	-2.0	39.98	66.32	79.30	207.33	198.72
BSE: BOLT	-46.1	-24.5	-13.0	47.8	-18.6	7.64	5.51	4.63	6.85	5.45
NSE: NEAT	-4.4	-6.5	4.3	26.8	9.9	444.59	397.09	399.75	507.53	545.75
USE	74.3	-91.8	108.5	-84.4	nav	nav	nav	2.68	0.42	0.00
MCX-SX	-20.5	-18.5	-28.9	-76.9	-50.5	42.72	33.27	22.94	5.29	2.56
Italy										
Borsa Italiana	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
MTS	-4.1	-36.7	57.2	64.1	-17.7	53.0	35.2	56.3	91.8	74.6
PCT	-2.7	-6.0	23.3	2.8	5.8	1,106.8	1,090.9	1,369.0	1,397.3	1,460.7
Japan										
TSE	-2.9	-10.7	121.9	-9.6	18.6	75.4	66.8	146.3	133.2	154.2
OSE	-13.2	21.6	36.4	-4.6	15.6	284.6	343.3	462.4	443.8	500.8
TFX	-36.0	-34.1	5.9	-47.8	-26.7	146.6	95.9	100.2	52.7	37.7

Table TRS3 (cont)

System	Increase in the real value of transactions *(% change on previous year, adjusted by CPI inflation)*					Value of transactions as a percentage of **GDP** *(in %)*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Korea										
Korea Exchange(KRX)	9.3	-22.5	-11.7	-23.7	11.4	1,198	919	791	589	630
Mexico										
BMV	-3.3	22.0	5.0	-18.8	-7.0	14.4	17.1	18.1	14.2	12.9
Mexder	5.3	-10.7	-33.2	12.4	-36.0	36.0	31.2	21.0	22.9	14.3
Netherlands										
Euronext Amsterdam	-6.5	-23.9	6.8	15.4	26.7	72.4	56.4	61.1	69.6	86.6
Russia										
MICEX	80.7	nav	nav	nap	nap	84.0	nav	nav	nap	nap
MICEX SE	34.9	84.9	16.9	-19.9	-12.5	156.1	274.6	322.2	261.8	249.4
RTS	64.4	nav	nav	nap	nap	98.1	nav	nav	nap	nap
Moscow Exchange	nap	nap	144.7	29.2	25.8	nap	84.5	207.5	272.1	372.8
Saudi Arabia										
Tadawul	39.6	70.4	-31.4	52.6	-24.2	43.8	70.1	49.1	75.9	68.6
Singapore										
SGX	-12.5	-17.6	7.8	-25.8	5.9	111.7	89.7	93.8	68.5	69.6
South Africa										
JSE	14.7	1.9	-8.1	-7.4	14.0	955.4	956.6	849.5	768.7	875.8
Sweden										
NASDAQ OMX Stockholm	6.3	-16.4	8.4	14.2	29.1	211.2	176.8	188.1	206.0	252.3
Switzerland										
SIX Swiss Exchange	-3.8	-21.9	13.4	15.1	21.4	179.4	138.0	153.5	174.2	208.4
Turkey										
Borsa İstanbul	-1.8	-21.3	55.4	-8.1	4.5	90.5	69.3	104.5	93.2	94.8
Turkish Derivatives Exchange	-7.8	-13.5	nav	nav	nav	33.89	28.51	nap	nap	nap
United Kingdom										
London Stock Exchange	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Virt-x	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
United States										
New York Stock Exchange	-1.7	-26.8	0.7	14.1	10.2	116.6	83.6	82.5	91.6	97.2
Nasdaq	5.9	-6.4	4.8	21.0	6.7	92.2	84.5	86.8	102.2	105.0
American Stock Exchange	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

[1] Converted at yearly average exchange rates.

Table TRS4

Participation in selected exchanges and trading systems

(end of year)

System	Total number of participants				
	2011	2012	2013	2014	2015
Australia					
ASX	82	81	72	72	71
ASX 24	nav	nav	nav	nav	nav
Belgium					
Regulated off-exchange	201	nap	nap	nap	nap
Euronext Brussels	197	191	177	156	140
Brazil					
BmfBovespa-Equities	87	83	76	72	98
BmfBovespa-Derivatives	68	66	60	58	86
Canada					
TSX	120	118	111	103	88
Montréal Exchange	91	87	91	87	86
NGX	237	248	259	264	269
ICE	nav	nav	nav	nav	nav
CSE	91	88	87	84	73
Alpha	90	80	77	74	69
China					
Shanghai Stock Exchange	222	228	240	258	262
Shenzhen Stock Exchange	116	119	119	120	122
France					
Euronext Paris	179	191	177	156	140
Germany					
Xetra	227	214	202	186	179
Xetra Frankfurt Specialist (since 2011; before: Frankfurt Floor)	228	182	173	162	155
Eurex	568	576	589	597	609
Hong Kong SAR					
Hong Kong Stock Exchange	534	550	543	540	550
India					
NDS	182	184	191	203	260
BSE: BOLT	1,371	1,386	1,376	1,413	1,435
NSE: NEAT	1,376	1,422	1,472	1,428	1,430
USE	397	385	361	313	nav
MCX-SX	749	939	959	930	909
Italy					
Borsa Italiana	128	128	123	nav	nav
MTS	88	87	79	77	74
PCT	109	114	118	117	113
Japan					
TSE	137	127	126	95	95
OSE	111	99	79	111	110
TFX	73	68	51	49	51

Table TRS4 (cont)

System	Total number of participants				
	2011	2012	2013	2014	2015
Korea					
Korea Exchange(KRX)	95	94	93	92	97
Mexico					
BMV	34	34	31	30	31
Mexder	51	48	45	68	48
Netherlands					
Euronext Amsterdam	nav	nav	nav	nav	nav
Russia					
MICEX	nap	nap	nap	nap	nap
MICEX SE	634	634	559	512	466
RTS	nap	nap	nap	nap	nap
Moscow Exchange	576	755	733	669	686
Saudi Arabia					
Tadawul	62	62	45	45	45
Singapore					
SGX	4,336	4,148	3,975	4,421	4,199
South Africa					
JSE	nav	nav	nav	nav	nav
Sweden					
NASDAQ OMX Stockholm	171	173	192	192	186
Switzerland					
SIX Swiss Exchange	127	119	108	107	105
Turkey					
Borsa İstanbul	143	140	213	214	211
Turkish Derivatives Exchange	99	101	nap	nap	nap
United Kingdom					
London Stock Exchange	nav	nav	nav	nav	nav
Virt-x	nav	nav	nav	nav	nav
United States					
New York Stock Exchange	nav	nav	nav	nav	nav
Nasdaq	nav	nav	nav	nav	nav
American Stock Exchange	nav	nav	nav	nav	nav

Table TRS5

Securities listed in selected exchanges and trading systems

(end of year)

System	Number of securities listed					Market capitalisation *(USD billions)* [1]				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia										
ASX	2,222	2,188	2,195	2,208	2,238	1,187	1,387	1,366	1,292	1,190
ASX 24	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Belgium										
Regulated off-exchange	111	nap	nap	nap	nap	nap	nap	nap	nap	nap
Euronext Brussels	1,133	1,615	3,500	5,231	8,165	229	300	375	380	413
Brazil										
BmfBovespa-Equities	1,161	1,163	1,157	1,205	1,224	1,222	1,231	1,028	842	488
BmfBovespa-Derivatives	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Canada										
TSX	4,237	4,254	4,156	4,016	3,776	1,915	2,060	2,112	2,090	1,595
Montréal Exchange	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
NGX	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
ICE	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
CSE	162	189	209	266	316	1.1	1.1	1.4	2.0	1.6
Alpha	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
China										
Shanghai Stock Exchange	1,691	2,098	2,786	3,758	5,914	2,355	2,525	2,479	4,004	4,584
Shenzhen Stock Exchange	1,938	2,190	2,328	2,523	3,440	1,054	1,140	1,442	2,101	3,636
France										
Euronext Paris	18,780	17,351	22,162	30,587	33,806	1,549	1,810	2,303	2,093	2,081
Germany										
Xetra	5,707	7,250	5,411	5,318	5,037	1,466	1,723	2,358	2,044	1,940
Xetra Frankfurt Specialist (since 2011; before: Frankfurt Floor)[2]	998.9	1,175.3	1,330.3	1,412.6	1,614.7	nap	nap	nap	nap	nap
Eurex	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Hong Kong SAR										
Hong Kong Stock Exchange	6,723	6,903	8,522	9,060	9,015	2,257	2,832	3,101	3,232	3,185
India										
NDS	2,253	1,835	1,967	2,162	2,406	nav	nav	nav	nav	nav
BSE: BOLT	9,230	10,940	13,500	15,030	16,340	1,167	1,166	1,198	1,603	1,429
NSE: NEAT	2,930	2,780	4,600	5,650	6,320	1,145	1,139	1,176	1,568	1,404
USE	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
MCX-SX	nav	nav	10	80	160	nav	1,131	1,170	1,552	1,384
Italy										
Borsa Italiana	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
MTS	113	113	113	113	113	nap	nap	nap	nap	nap
PCT	822	1,021	892	993	956	nap	nap	nap	nap	nap
Japan										
TSE	2,602	2,618	3,732	3,787	3,846	3,304	3,493	4,550	4,388	4,899
OSE	1,985	1,924	nap	nap	nap	1,945	2,057	nap	nap	nap
TFX	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap

[1] Converted at end of year exchange rates.

Germany: [2] For number of securities listed, thousands.

Table TRS5 (cont)

System	Number of securities listed					Market capitalisation *(USD billions)* [1]				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Korea										
Korea Exchange(KRX)	11,769	12,187	13,232	13,885	14,513	995	1,180	1,238	1,216	1,236
Mexico										
BMV	722	898	969	958	1,018	408	524	527	481	404
Mexder	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Netherlands										
Euronext Amsterdam	9,773	10,387	11,359	13,454	16,869	593	651	819	789	726
Russia										
MICEX	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
MICEX SE	2,020	1,755	1,882	1,749	1,855	767	812	774	412	395
RTS	nap	nap	nap	nap	nap	nap	nap	nap	nap	nap
Moscow Exchange	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Saudi Arabia										
Tadawul	161	169	173	179	181	339	373	467	483	421
Singapore										
SGX	2,305	2,496	2,775	3,053	3,051	596	765	743	755	640
South Africa										
JSE	2,013	2,324	2,420	2,486	2,547	850	987	1,012	994	753
Sweden										
NASDAQ OMX Stockholm	5,649	6,227	8,822	8,456	11,407	508	602	751	688	684
Switzerland										
SIX Swiss Exchange	37,375	35,186	37,373	34,941	35,081	1,149	1,203	1,478	1,623	1,563
Turkey										
Borsa İstanbul	929	1,142	2,090	2,481	2,620	200	310	237	271	191
Turkish Derivatives Exchange	15	15	nap	nap	nap	nap	nap	nap	nap	nap
United Kingdom										
London Stock Exchange	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Virt-x	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
United States										
New York Stock Exchange	nav	nav	nav	nav	nav	11,796	14,086	17,950	19,351	17,787
Nasdaq	2,828	2,735	2,804	3,007	3,130	3,845	4,582	6,085	6,979	7,281
American Stock Exchange	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav

[1] Converted at end of year exchange rates.

Table CCP1

Features of selected central counterparties and clearing houses

(at end-2015)

System	CCP or clearing house	Owner/ manager	Relationship with exchange	Relationship with CSD	Intraday margining
Australia					
ASX Clear	CCP	SE[1]	int[2]	int[3]	event: P
ASX Clear (Futures)	CCP	SE[1]	int[4]	nap	routine; event: P
Belgium					
LCH.Clearnet SA	see France				
Brazil					
BmfBovespa-Equities	CCP	SE	int[1]	int[1]	routine
BmfBovespa-Derivatives	CCP	SE	int[1]	nap	routine; event: P, S
BmfBovespa-Securities	CCP	SE	int[1]	indep[2]	event: P
CETIP	CH	O	nap	int[3]	nap
Canada					
CDCC	CCP	SE[1]	par[1]	indep	routine
NGX	CCP	SE[2]	int[3]	nap	event: P
ICE	CH	SE[4]	par[4]	nap	event: P
China					
SD&C	CCP	SE[1], O	indep[2]	int[3]	nap
France					
LCH.Clearnet SA	CCP, CH[1]	B	indep[2]	indep[3]	event: P
Germany					
Eurex Clearing AG	CCP	SE[1]	par[2]	int[3, 4] ; indep[5, 6, 7, 8, 9, 10, 11, 12]	routine; event: P, S
Hong Kong SAR					
CCASS	CCP, CH	SE[1]	int	int	routine
India					
CCIL	CCP	B, O	nap	indep[1]	event: P
NSCCL	CCP	SE[2]	par[2]	int[3]	routine; event: P,S
BOISL[4]	CCP	SE[5], B	int[6]	int[7]	routine; event: P,S
ICCL	CCP	SE[5], B	par[5]	int[7]	routine; event: P,S
MCX-SXCCL	CCP	SE[8]	par[8]	indep	routine; event: P,S
Italy					
CCG	CCP	CCP[1]	par[2]	indep[3]	routine
LCH.Clearnet SA	see France				
Japan					
Japan Securities Clearing Corporation (JSCC)	CCP	B, SE[1, 2], O	par[3]	indep	event: P
JASDEC DVP Clearing Corporation (JDCC)	CCP	O[4]	nap	par[4]	event: P[5]
TFX	CCP	B, O	int[6]	nap	event: P
Korea					
Korea Exchange (KRX)	CCP, CH	O	int[1]	indep	nap
Korea Securities Depository (KSD)[2]	CCP, CH	SE, O, B	indep	int[3]	nap
Mexico					
CCV	CCP	SE	par[1]	int[2]	routine
Asigna	CCP	SE, O	int[3]	int[2]	routine
Netherlands					
LCH.Clearnet SA	see France				
EuroCCP N.V.	CCP	B, SE	par[1]	indep	routine; event: P, S
Russia					
NSD	CH	SE[1]. B. O	par	int[2]	regular
NCC	CCP	SE[3]	par	int[2]	regular
Saudi Arabia					
Saudi Arabia clearing house	CH	O[1]	int[2]	int[2]	nap
Singapore					
CDP	CCP, CH	CH	int	int	nap
South Africa			nap		
Sweden					
SE Nasdaq OMXDM[1]	CCP	O	int	indep	nav

For the footnotes regarding the systems, see after this table.

Table CCP1 (cont)

System	CCP or clearing house	Owner/ manager	Relationship with exchange	Relationship with CSD	Intraday margining
Switzerland					
SIX x-clear	CCP	B	int[1]; indep[2]	int[3]; indep[4, 5, 6, 7]	routine; event: P, S
Turkey					
Takasbank	CH[1], CCP[1]	SE[2], B[3], O[3]	par[2]	indep[4]	event: P[5]
United Kingdom					
LCH.Clearnet Ltd	CCP	SE, O[1]	par[1], indep[2]	indep	routine
ICE Clear Europe	CCP	O[3]	int	indep[4]	routine
LME Clear Limited	CCP	O	indep	indep	event-driven; P
CME Clearing Europe Limited	CCP	O	indep	indep	event-driven; P
United States					
National Securities Clearing Corporation (NSCC)	CCP	B, O	indep	int[1]	routine; event
Fixed Income Clearing Corporation: Government Securities Division (FICC/GSD)	CCP	B, O	indep	indep[2]	routine; event
Fixed Income Clearing Corporation: Mortgage-Backed Securities Division (FICC/MBSD)	CH	B, O	indep	indep[2]	routine; event

For the footnotes regarding the systems, see after this table.

Table CCP1 (cont)

System	Products cleared	Currencies	Securities settlement agent	Cash settlement agent	Links to other CCPs
Australia					
ASX Clear	SEC, DER	AUD	CSD[3]	CB	no link
ASX Clear (Futures)	DER	AUD, NZD	CSD[5]	CB	no link
Belgium					
LCH.Clearnet SA	see France				
Brazil					
BmfBovespa-Equities	SEC, DER	BRL	CSD[1]	CB	nap
BmfBovespa-Derivatives	DER	BRL	nap	CB	nap
BmfBovespa-Securities	SEC, REP	BRL	CSD[2]	CB	nap
CETIP	SEC, DER	BRL	CSD[3]	CB	nap
Canada					
CDCC	DER	CAD	nap	B	no link
NGX	DER	CAD, USD	nap	B	no link
ICE	DER	CAD	nap	B	no link
China					
SD&C	SEC, DER, REP	RMB, USD, HKD	CSD[3]	B	nav
France					
LCH.Clearnet SA	SEC, DER, REP	EUR	2	BdF, DNB, NBB	cross: EUR: 1[4]

For the footnotes regarding the systems, see after this table.

Table CCP1 (cont)

System	Products cleared	Currencies	Securities settlement agent	Cash settlement agent	Links to other CCPs
Germany					
Eurex Clearing AG	SEC, DER, REP	EUR, CHF, GBP, USD	CSD[3]: SEC, REP: EUR; CSD[5]: SEC: CHF; CSD[7]:SEC:EUR; ICSD[4]: SEC, REP: EUR, USD; ICSD[6]: REP: EUR, USD; ICSD[7]: SEC: EUR; ICSD[8]: SEC: EUR; ICSD[9]: SEC: EUR; ICSD[10]: SEC: EUR; ICSD[11]: SEC: DKK; ICSD[12]: SEC: NOK; ICSD[7]: SEC: SEK	DER: EUR: CB; DER: CHF: CB; DER: GBP: B; DER: USD: B; SEC: EUR: CB; REP: EUR: CB; REP: CHF: CB; SEC: DKK: CB; SEC: NOK: CB; SEC: SEK: CB	nap
Hong Kong SAR					
CCASS	SEC, DER[2]	HKD, USD, CNY	HKSCC[3]	B	2
India					
CCIL	SEC, DER, REP[9]	INR	CB	CB	nap
NSCCL	SEC, DER, REP	INR	CSD[3, 7]	B	nav
BOISL	SEC, DER, REP	INR	CSD[3, 7]	B	nav
ICCL	SEC, DER, REP	INR	CSD[3, 7]	B	nav
MCX-SXCCL	SEC, DER, REP	INR	CSD[3, 7]	B	nav
Italy					
CCG	SEC, DER, REP	EUR	CSD[3]	CB	1
LCH.Clearnet SA	see France				
Japan					
JSCC	SEC, DER, REP	JPY, USD, EUR, AUD	CSD[4], CB	CB, B	nap
JDCC	SEC	JPY	CSD[4]	CB	nap
TFX	DER	JPY	nap	CB, B	1
Korea					
Korea Exchange (KRX)	SEC, DER, REP	KRW	CSD[3]	B, CB	nap
Korea Securities Depository (KSD)	SEC	KRW	CSD[3]	B, CB	nap
Mexico					
CCV	SEC	MXN	CSD[2]	O[4]	nap
Asigna	DER	MXN, USD	B, CSD[2]	B	nap
Netherlands					
LCH.Clearnet SA	see France				
EuroCCP N.V.	SEC	EUR, DKK, CHF, GBP, NOK, SEK, USD, HUF, CZF	CSD[2]: DKK; CSD[3]: EUR; CSD[4]: GBP; CSD[5]: CHF; CSD[6]: SEK; B[7]: EUR; B[8]: EUR; B[9]: EUR; B[10]: NOK; B[11]: CZK; B[12]: EUR; B[13]: HUF	B	3
Russia					
NSD	SEC, REP	RUR, USD, EUR, CNY, GBP, CHF, HKD	CSD[2]	O-RUR, USD, EUR, CNY, HKD, CHF, GBP, B-USD	nap
NCC	SEC, DER, REP, O	RUR, USD, EUR, CNY, HKD, GBP, KZT, BYR, UAH	CSD[2]	O[2]	nap

For the footnotes regarding the systems, see after this table.

Table CCP1 (cont)

System	Products cleared	Currencies	Securities settlement agent	Cash settlement agent	Links to other CCPs
Saudi Arabia					
Saudi Arabia clearing house	SEC	SAR	CSD	CB, B	no link
Singapore					
CDP	SEC	SGD, AUD, USD, HKD	CSD[1]	B	nav
South Africa			nap		
Sweden					
SE Nasdaq OMXDM	DER	SEK, DKK, NOK, EUR, ISL	CSD	CB: SEK; CB: DKK; CB: EUR, NOK; O	NOK, GBP[2]
Switzerland					
SIX x-clear	SEC, DER	AUD, CAD, CHF, CZK, DKK, EUR, GBP, HUF, JPY, NOK, SEK, USD	CSD[3, 4, 5, 6, 7]	CB: NOK (SEC); B: AUD, CAD, CHF, CZK, DKK, EUR, GBP, HUF, JPY, NOK (DER), SEK, USD	2 links[8]
Turkey					
Takasbank	SEC, DER, REP	TRY, USD, EUR	CSD[4]:SEC[6]:TRY; CB: SEC[7], REP: TRY, USD, EUR	CB: TRY; O[1]: TRY; B: USD, EUR	nap
United Kingdom					
LCH.Clearnet Ltd	SEC, DER, REP	AUD, CAD, CHF, CZK, DKK, EUR, GBP, HKD, HUF, JPY, NOK, NZD, PLN, RMB[7], SEK, SGD, USD, ZAR	CSD[8]	CB: EUR, GBP; B: AUD, CAD, CHF, CZK, DKK, EUR, GBP, HKD, HUF, JPY, NOK, NZD, PLN, SEK, SGD, USD, ZAR	3 links[9]
ICE Clear Europe	DER	CAD, CHF, CZK, DKK, EUR, GBP, HUF, JPY, NOK, PLN, SEK, TRY, USD	B	CB: GBP; B: CAD, CHF, CZK, DKK, EUR, GBP, HUF, JPY, NOK, PLN, SEK, TRY, USD	nap
LME Clear Limited	DER	USD, EUR, JPY, GBP	nap	B	nap
CME Clearing Europe Limited	DER	EUR, GBP, USD, AUD, CAD, CHF, DKK, JPY, NOK, SEK, MXN, HKD, NZD, SGD, CZK, HUF, PLN, ZAR	nap	CB; B	nap
United States					
NSCC	SEC	USD	CSD[1]	CSD[1, 3]	nav
FICC/GSD	SEC, REP	USD	B	B	cross: 2
FICC/MBSD	SEC	USD	B	B	nav

For the footnotes regarding the systems, see after this table.

Footnotes for Table CCP1

Germany: [1] Eurex Frankfurt AG. [2] Eurex. [3] Clearstream Banking AG. [4] Clearstream Banking Luxembourg. [5] SIS SegaInterSettle. [6] Euroclear Bank. [7] Euroclear UK & Ireland, Euroclear France S.A., Euroclear Nederland, Euroclear Belgium, Euroclear Finland, Euroclear Sweden and Iberclear. [8]

Hong Kong SAR: [1] Hong Kong Exchanges and Clearing Limited (HKEX). [2] Equities include ordinary shares, preference shares, registered warrants, provisional allotment letters representing nil paid rights, depository receipts; structured products include derivative warrants, equity linked instruments, callable bull/bear contracts; bonds include Exchange Fund notes, Hong Kong SAR retail bonds and Hong Kong SAR Link Retail Bonds; unit trust funds includes Exchange Traded Funds, REITs. [3] Hong Kong Securities Clearing Company Limited (HKSCC).

Italy: [1] Cassa di Compensazione e Garanzia. [2] Borsa Italiana. [3] Monte Titoli, Euroclear Bank.

Korea: [1] KRX. [2] KSD started clearing services for institutional investor stocks from January 2012. [3] KSD.

Mexico: [1] BMV. [2] Indeval. [3] Mexder. [4] CCV settles the cash leg in the CSD. CSD always holds funds at its central bank account that cover the sum of all CSD participants' (including CCV's) balances.

Russia: [1] Moscow Exchange - 99.997%. [2] NSD. [3] Moscow Exchange - 100%.

Saudi Arabia: [1] The Capital Market Authority (CMA). [2] Tadawul.

Singapore: [1] CDP.

Sweden: [1] OMX Derivatives Markets, which is a secondary legal name for the OMX Nordic Exchange Stockholm AB. [2] The currency area description of OMX DM's links is very misleading. OMX DM has a link to the London market and specifically to LCH.Clearnet Ltd to facilitate the clearing of Nordic derivatives traded in London. The derivatives settled through the link are denominated in DKK, EUR, NOK and SEK.

Switzerland: [1] SIX Swiss Exchange. [2] All other exchanges and MTFs that are cleared by SIX x-clear Ltd. [3] SIX SIS. [4] Euroclear Finland. [5] Euroclear Sweden. [6] Euroclear UK. [7] VPS Oslo. [8] EuroCCP N.V., LCH. Clearnet Ltd.

Turkey: [1] Takasbank is a CH in clearing ISE market trades. For TURKDEX transactions, Takasbank guarantees settlement limited to transaction collateral and the guarantee fund. [2] ISE. [3] Takasbank is owned by 19 banks and 67 brokerage houses, none of which can exceed a 5% share. [4] Central Registry Agency (MKK), CSD of Turkey; 65% of its shares are owned by Takasbank. [5] Intraday margining is only applicable to derivatives clearing. [6] Equities. [7] G-bonds, T-bills.

United Kingdom: [1] LCH. Clearnet Ltd is a wholly owned subsidiary of LCH. Clearnet Group Ltd LCH. Clearnet Group Ltd is majority-owned (57%) by London Stock Exchange Group plc. [2] LCH. Clearnet Ltd clears for exchanges outside the London Stock Exchange Group. [3] Intercontinental Exchange Inc. [4] Euroclear Bank, Euroclear UK and Ireland. [5] Hong Kong Exchanges and Clearing Limited 100%. [6] CME Group Inc. 100%. [7] Offshore renminbi. [8] Euroclear UK and Ireland. [9] EuroCCP N.V., Oslo Clearing ASA, SIX x-Clear Ltd.

United States: [1] DTC. [2] NBES. [3] Cash settlement is completed at the central bank.

Table CCP3 (cont)

System	Value of transactions *(USD billions except as noted)* [1]					Average value per transaction *(USD thousands)* [1]				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Turkey										
Takasbank	3,012.9	4,133.9	4,067.2	3,920.9	4,207.4	16.93	26.49	30.66	27.30	22.40
United Kingdom										
LCH.Clearnet Ltd[1]	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
LCH.Clearnet SA[1]	37.6	38.2	39.5	33.7	30.6	38,521.6	32,772.4	35,450.4	31,683.8	29,687.8
ICE Clear Europe[1]	nav	nav	131.9	130.5	96.0	nav	nav	99.3	98.5	84.5
LME Clear Limited[1]	nav	nav	nav	10.3	27.5	nav	nav	nav	104.1	80.3
CME Clearing Europe	nav	nav	nav	0.0	0.1	nav	nav	nav	139.2	95.5
United States										
NSCC[1]	220.8	185.7	207.2	232.2	246.1	10.6	10.8	11.7	11.5	11.0
FICC/GSD[1]	1,126.9	1,116.2	1,076.5	1,008.4	0.9	27,824.7	31,982.8	29,574.2	27,253.9	22.9
FICC/MBSD[1]	97.7	102.9	78.7	65.1	68.2	25,051.3	24,500.0	20,710.5	17,593.5	17,482.1

[1] Converted at yearly average exchange rates.

United Kingdom: [1] For value of transactions, trillions.

United States: [1] For value of transactions, trillions.

Table CCP3 (cont)

System	Increase in the real value of transactions *(% change on previous year, adjusted by CPI inflation)*					Value of transactions as a percentage of GDP *(in %)*				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia										
ASX Clear	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
ASX Clear (Futures)	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Belgium										
LCH.Clearnet SA	-16.6	28.5	30.2	15.0	-8.7	231.4	298.4	389.0	439.4	394.3
Brazil										
BmfBovespa-Equities	0.9	3.7	5.1	-16.9	-14.7	54.2	54.1	54.4	45.0	40.9
BmfBovespa-Derivatives	2.7	-1.4	6.6	-18.6	14.7	1,063.2	1,009.7	1,030.6	834.6	1,020.6
BmfBovespa-Securities	112.4	-85.4	-90.9	-99.5	-100.0	6.0	0.8	0.1	0.0	0.0
CETIP	20.2	-3.7	9.1	-0.7	16.3	393.9	365.4	381.7	377.0	467.5
Canada										
CDCC	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
NGX	-24.2	-43.1	53.5	12.9	-47.1	4.9	2.8	4.1	4.6	2.5
ICE	33.5	7.9	3.6	-19.5	6.3	2.9	3.1	3.1	2.5	2.7
China										
SD&C	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
France										
LCH.Clearnet SA	-0.6	-20.8	8.0	5.3	16.4	340.9	272.1	292.6	306.3	350.5
Germany										
Eurex Clearing AG	9.4	-20.9	5.9	4.3	12.8	8,812.6	6,978.9	7,325.6	7,440.3	8,103.2
Hong Kong SAR										
CCASS	-5.4	-27.4	11.0	8.1	46.4	1,657.4	1,189.1	1,311.4	1,402.4	1,991.5
India										
CCIL	-2.2	30.2	17.4	51.5	-0.8	126.4	157.3	178.3	270.4	262.3
NSCCL	-2.4	-6.2	4.8	26.3	10.9	421.4	377.9	382.1	483.1	523.8
BOISL	-46.4	-14.9	nav	nav	nav	2.1	1.7	nav	nav	nav
ICCL	493,247	733	17	117	-68.4	9.3	73.7	83.4	181.1	56.0
MCX-SXCCL	26.3	8.1	-32.1	-44.9	-32.9	0.0	0.0	0.0	0.0	0.0
Italy										
CCG	3.3	9.5	32.9	0.5	10.1	1,395.6	1,603.1	2,169.0	2,163.4	2,353.3
LCH.Clearnet SA	4.7	-5.8	32.2	10.9	0.7	1,818.8	1,795.8	2,416.5	2,659.1	2,644.7
Japan										
JSCC	-10.9	16.6	-8.1	24.8	21.0	425.5	492.2	446.7	561.0	662.5
JDCC	-14.6	10.8	64.3	15.5	18.4	5.0	5.5	8.9	10.4	12.0
JGBCC	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
TFX	-35.0	-51.4	18.7	-66.2	-8.8	0.0	0.0	0.0	0.0	0.0
OSE	-3.1	-6.6	146.9	nav	nav	0.6	0.6	1.4	nav	nav
Korea										
Korea Exchange (KRX)	-8.8	40.2	1.5	4.8	5.1	23.6	32.7	32.4	33.1	33.4
Korea Securities Depository (KSD)	nav	nav	-13.5	-4.4	3.1	nav	14.1	11.9	11.1	11.0
Mexico										
CCV	-5.0	17.2	15.8	-23.1	1.4	18.8	21.3	24.8	18.6	18.4
Asigna	5.8	-10.6	-33.5	12.4	-36.8	35.9	31.1	20.8	22.7	14.0
Netherlands										
LCH.Clearnet SA	-5.8	-29.3	-5.5	16.1	17.6	684.3	495.7	474.7	544.3	628.5
EuroCCP N.V.	8.5	-38.1	-6.9	90.0	56.0	955.4	605.7	571.6	1,072.6	1,643.3
Russia										
MICEX	27.5	nap	nap	nap	nap	206.9	nap	nap	nap	nap
RTS CC	67.6	-24.1	nap	nap	nap	100.2	72.4	nap	nap	nap
NCC	nap	838.1	92.1	-1.5	7.0	31.0	276.8	533.8	533.9	622.2
NSD	nap	nap	nav	266.2	-27.0	nap	nav	40.3	149.7	119.1
Saudi Arabia										
Saudi Arabia clearing	39.7	70.4	-31.4	52.6	-24.2	43.9	70.1	49.1	75.9	68.7
Singapore										
CDP	-14.8	-15.9	7.8	-25.8	5.9	109.5	89.7	93.8	68.5	69.6
South Africa			nap					nap		
Sweden										
SE Nasdaq OMXDM	12.0	-8.3	11.1	16.7	32.2	106.4	97.7	106.5	119.3	149.5
Switzerland										
SIX x-clear	-4.1	13.7	18.1	25.1	16.9	280.0	313.3	362.7	447.2	515.5
Turkey										
Takasbank	2.5	38.8	-2.9	2.6	22.6	387.7	523.2	493.3	490.7	586.1

Table CCP3 (cont)

System	Increase in the real value of transactions *(% change on previous year, adjusted by CPI inflation)*					Value of transactions as a percentage of **GDP** *(in %)*				
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
United Kingdom										
LCH.Clearnet Ltd	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
LCH.Clearnet SA	15.2	-0.1	2.2	-20.2	-2.0	1,440.6	1,438.6	1,452.7	1,122.2	1,072.3
ICE Clear Europe	nav	nav	nav	-7.4	-20.8	nav	nav	4.8	4.3	3,361.5
LME Clear Limited	nav	nav	nav	nav	186.3	nav	nav	nav	0.3	961.3
CME Clearing Europe	nav	nav	nav	nav	85.0	nav	nav	nav	0.0	2.5
United States										
NSCC	-1.5	-17.6	10.2	10.5	6.2	1,422.8	1,149.3	1,241.5	1,334.8	1,364.6
FICC/GSD	-0.8	-2.9	-4.7	-7.6	-99.9	7,261.9	6,909.2	6,449.4	5,797.7	5.1
FICC/MBSD	-9.1	3.3	-24.5	-18.5	4.9	629.6	636.9	471.5	374.3	378.0

Table CCP4

Participation in selected central counterparties and clearing houses
(end of year)

System	Total number of participants				
	2011	2012	2013	2014	2015
Australia					
ASX Clear	42	39	34	33	37
ASX Clear (Futures)	17	17	19	19	20
Belgium					
LCH.Clearnet SA	nav	nav	nav	nav	nav
Brazil					
BmfBovespa-Equities	92	88	80	79	70
BmfBovespa-Derivatives	82	74	70	69	58
BmfBovespa-Securities	64	62	58	54	43
CETIP	567	558	598	699	700
Canada					
CDCC	37	40	37	34	36
NGX	237	248	259	264	269
ICE	9	9	9	9	9
China					
SD&C	222	223	226	230	251
France					
LCH.Clearnet SA	114	114	109	110	110
Germany					
Eurex Clearing AG	149	163	175	183	186
Hong Kong SAR					
CCASS	24,006	24,344	24,573	24,884	25,286
India					
CCIL	245	255	264	266	269
NSCCL	1,382	1,393	1,299	1,369	1,235
BOISL	1,370	nap	nap	nap	nap
ICCL	54	52	1,361	1,375	1,381
MCX-SXCCL	116	513	582	579	573
Italy					
CCG	71	74	83	81	82
LCH.Clearnet SA	nav	nav	nav	nav	nav
Japan					
JSCC	142	139	139	138	136
JDCC	56	53	52	54	53
JGBCC	35	34	nap	nap	nap
TFX	70	65	49	47	50
OSE	92	83	nap	nap	nap
Korea					
Korea Exchange (KRX)	92	91	91	92	97
Korea Securities Depository (KSD)	nav	91	91	90	85
Mexico					
CCV	26	27	27	30	31
Asigna[1]	5	6	6	7	7
Netherlands					
LCH.Clearnet SA	nav	nav	nav	nav	nav
EuroCCP N.V.	58	51	49	48	45
Russia					
MICEX	nap	nap	nap	nap	nap
RTS CC	387	nap	nap	nap	nap
NCC	715	727	825	794	713
NSD	nap	nav	289	333	358
Saudi Arabia					
Saudi Arabia clearing house	23	23	23	23	23
Singapore					
CDP	63	61	63	63	61
South Africa			nap		
Sweden					
SE Nasdaq OMXDM	54	47	46	48	47
Switzerland					
SIX x-clear	71	70	70	68	66
Turkey					
Takasbank	127	125	123	121	118

Mexico: [1] Please refer to the individual country tables for a detailed explanation.

Table CCP4 (cont)

System	Total number of participants				
	2011	2012	2013	2014	2015
United Kingdom					
LCH.Clearnet Ltd	159	171	165	161	154
LCH.Clearnet SA	nav	nav	nav	nav	nav
ICE Clear Europe	nav	nav	81	80	79
LME Clear Limited	nav	nav	nav	42	42
CME Clearing Europe Limited	nav	nav	nav	18	19
United States					
NSCC	187	181	173	170	161
FICC/GSD	101	104	85	106	119
FICC/MBSD	73	74	76	78	151

Table CSD1

Features of selected central securities depositories

(at end-2015)

System	Type of securities held	Owner/ manager	Settlement system	Closing time for same-day transactions	Links to other CSDs
Australia					
ASX Settlement	E, O	SE[1]	ASX Settlement	DVP: 10:30, FoP: 19:00	no link
Austraclear	DOM, B, C, G	SE[1]	Austraclear	18:30[2], 20:30[3]	no link
Belgium					
NBB SSS	B, C, G, O	CB	NBB SSS	18:00	no link
Euroclear Belgium	B, C, G, E, O	O	ESES Belgium	20:00	direct: Euroclear Bank
Euroclear Bank	B, C, G, E, O	O, B	Euroclear Bank	19:00	46 links
Brazil					
SELIC	DOM; G	CB	SELIC	18:30	no link
BMFBOVESPA-Equities	DOM; E, B, O	SE	BMFBOVESPA-Equities	17:00	no link
CETIP	DOM; B,C,G	O	CETIP	19:00	no link
Canada					
CDS	DOM, INT, B, C, G, E	B, SE, O[1]	CDSX	16:00[2]	direct: DVP: DTC. direct: FoP: Euroclear France, SEB, CAVALI, JASDEC
China					
SD&C	DOM, B, G, E, O	SE[1], O	SD&C[2]	16:00	nav
CDC Depository and Settlement System	B, G, O	O	CDC Depository and Settlement System	17:00	direct: Central Moneymarkets Unit, Clearstream Banking Luxembourg
France					
Euroclear France	B, G, E, O	O	ESES France[1]	17:00	FoP: 16[2]
Germany					
Clearstream Banking AG	DOM, INT: B, C, G, E, O	SE[1]	CASCADE, CREATION	DVP: 16:30[2], FoP: 18:00	direct: DVP: EUR, CHF, DKK; direct: FoP: EUR: 6, USD, JPY; indirect: 45
Hong Kong SAR					
CCASS	DOM, B, G, E, O[1]	SE[2]	CCASS[3]	15:45	3
CMU	DOM, INT, B, C, G	CB	Central Moneymarkets Unit	18:30	direct: FoP/DVP[4]
India					
RBI (SSS)	G	CB	SSS	19:30	nap
NSDL	E, B, O	SE, O	NSDL	15:30	direct
CDSL	E, B, O	SE, O	CDSL	15:30	direct
Italy					
Monte Titoli	DOM, INT: G, E, B, O	O[1]	Monte Titoli - T2S	18:00[2]	direct: FoP, DvP: EUR:10, CHF:1, EUR, GBP:1; direct FoP: EUR:2, USD:1[3]
Japan					
BOJ	DOM: G	O	BOJ-NET	21:00[1]	no link
JASDEC	E, B, O[2]	SE, O, B	JASDEC	15:30[3], 17:00[4]	direct: FoP: 3; indirect: FoP: 3

For the footnotes regarding the systems, see after this table.

Table CSD1 (cont)

System	Type of securities held	Owner/ manager	Settlement system	Closing time for same-day transactions	Links to other CSDs
Korea					
Korea Securities Depository (KSD)	B, C, G, E, O	SE, O, B	KSD	DVP: 16:00[1], 16:10[2], 16:50[2], 17:00[3]	direct: DVP, FoP: 3 direct: Fop: 2 indirect: DVP, FoP: 36[4]
Mexico					
Indeval	DOM: B, C, G, E, O	SE, CB	DALI	16:15	direct: (FoP/DVP): EUR, GBP, CLP, COP, PEN: 5 indirect: (FoP/DVP): USD:2
Netherlands					
Euroclear Netherlands	nav	O[1]	nav	nav	nav
Russia					
NSD	DOM: B, G, E INT: B, G, E	SE, B, O	NSD	17:00[1]; 20:00[2]; 19:30[3]	direct[4]
Saudi Arabia					
Tadawul	DOM, B, E, G	SE[1]	Equator	15:30	no link
Singapore					
MEPS+(SGS)	G	CB	MEPS+(SGS)	19:00	nav
DCSS	B	SE	PSMS[1]	17:30	nav
CDP	DOM, INT, B, E, O, G	O	CDP	12:00	nav
South Africa					
SAFIRES	B, E	B, SE, O[1]	SAFIRES	15:00	no link
Sweden					
Euroclear Sweden	DOM, B, G, E, O	B, O	VPC	17:00	direct: FoP: DKK, GBP, EUR: 2, CHF; direct: DVP:EUR; indirect: FoP: DKK, EUR, ISL, USD; indirect: DVP: USD
Switzerland					
SECOM	DOM: B, G, E, O; INT: B, G, E, O	B	SECOM	14:30[1]; 21:30[2]	direct: DVP, FoP: 10; indirect: DVP, FoP: 60
Turkey					
Takasbank	DOM, INT, E[1], O[2]	SE , B[3], O[3]	Takasbank	21:00	direct/indirect: Euroclear, FoP/DVP
Central Securities Depository	DOM: B, E, O	SE, O	Central Dematerialized System[4]	DVP: 17:00; FoP: 18:30	no link
ESTS	G	CB	ESTS	17:30	no link
United Kingdom					
CREST[1]	DOM, B, C, G, E, O	CB, B, O	RTGS	DVP: 16:10; FoP: 16:40	DVP: SIS SegaInterSettle AG; FoP: Euroclear SA and Depositary Trust & Clearing Corporation
United States					
NBES[1]	G, O	CB	Fedwire Securities Service	15:15[2]	no link
DTC	B, C, E, O	B, O	DTC-NSCC Consolidated Settlement Service	15:20[2]	direct: 13; indirect: 1

For the footnotes regarding the systems, see after this table.

Table CSD1 (cont)

System	Intraday finality	DVP (Delivery Versus Payment)	Delivery lag (T+n)	Currencies	Cash settlement agent
Australia					
ASX Settlement	yes	DVP3	T+3	AUD	CB
Austraclear	yes	DVP1	T[4], T+1[5], T+3[6]	AUD	CB
Belgium					
NBB SSS	yes	DVP1	T+2, T+3	EUR	CB
Euroclear Belgium	yes	DVP1	T+3	EUR	CB
Euroclear Bank	yes	DVP1	T, T+n	EUR. 50[1]	B
Brazil					
SELIC	yes	DVP1	T	BRL	CB
BMFBOVESPA-Equities	no[1]	DVP3	T+1[2]; T+3	BRL	CB
CETIP	no[1]	DVP3	T+1	BRL	CB
Canada					
CDS	yes	DVP2	T+3[3], T+0[4], T+2[5], T+3[6]	CAD, USD	CB: CAD; B: USD
China					
SD&C	no	DVP1, DVP2	T+1,T+3	RMB, USD, HKD	B
CDC Depository and Settlement System	yes	DVP1	T	RMB	CDC
France					
Euroclear France	yes	DVP1	T+3	EUR	CB
Germany					
Clearstream Banking AG	yes	DVP1	T+2[3], T- T+40[4]	EUR, 42	CB, B
Hong Kong SAR					
CCASS	yes	DVP2[5]	T+2	HKD, USD, CNY	B
CMU	yes	DVP1, DVP3	T+0- T+2	HKD, USD, EUR, CNY	CB: HKD; B: CNY, EUR, USD
India					
RBI (SSS)	yes	DVP3	T+0, T+1	INR	CB
NSDL	yes	DVP3	T+2	INR	B
CDSL	yes	DVP3	T+2	INR	B
Italy					
Monte Titoli	yes	DVP1, DVP3	T+2[4], T- T+n[5]	EUR	CB
Japan					
BOJ	yes	DVP1	T- T+2	JPY	CB
JASDEC	yes	DVP1, DVP2[5], DVP3[6]	T- T+3	JPY	CB, B
Korea					
Korea Securities Depository	yes	DVP1, DVP2, DVP3[5]	T,T+1,T+2[6]	KRW	CB, B
Mexico					
Indeval	yes	DVP3[1]	T	MXN	CB
Netherlands					
Euroclear Netherlands	yes	DVP1	T+3	EUR/non-EUR	CB, B
Russia					
NSD	yes	DVP1, DVP2, DVP3	OTC transactions - not stipulated. Exchange transactions - T+0, T+2	RUR, USD, EUR, CHF, GBP, HKD, CNY[5]; CHF, GBP, CNY, KZT, BYR, UAH, AMD, HKD, AUD, JPY, NOK, CAD[6]	O - RUB, USD, EUR, CHF, GBP, CNY, HKD; B - USD
Saudi Arabia					
Tadawul	yes	DVP1[2], DVP3[3]	T+0[2], T+2[3]	SAR	CB, B
Singapore					
MEPS+(SGS)	yes	DVP1	T+1	SGD	CB
DCSS	yes	DVP1	T+0[2]	SGD	B, CB
CDP	yes	DVP2	T+3	SGD, AUD, HKD, USD	B
South Africa					
SAFIRES	yes	DVP1	T+3[2], T+5[3]	ZAR	CB
Sweden					
Euroclear Sweden	yes	yes	T+2, T+3	SEK, EUR	CB

For the footnotes regarding the systems, see after this table.

Table CSD1 (cont)

System	Intraday finality	DVP (Delivery Versus Payment)	Delivery lag (T+n)	Currencies	Cash settlement agent
Switzerland					
SECOM	yes	DVP1	T, T+1, T+2, T+3	37	CB: CHF; B: CHF and all other 36 currencies: SIX SIS
Turkey					
Takasbank	yes	DVP3	T+0[5], T+1[6], T+2[7]	TRY, USD, EUR	Takasbank
Central Securities Depository	yes	DVP1[8], DVP3[9]	T+0, T+2	TRY	Takasbank
ESTS	yes	DVP1	nap	TRY	CB
United Kingdom					
CREST	yes	DVP1[2], DVP2[3]	T[4], T+1[5], T+3[6]	GBP, EUR, USD	CB, B
United States					
NBES[1]	yes	DVP1	T, T+1	USD	CB
DTC	no	DVP2	T, T+3	USD	CB

For the footnotes regarding the systems, see after this table.

Footnotes for Table CSD1

Australia: [1] ASX Group. [2] Australian eastern standard time. [3] Australian eastern daylight-saving time. [4] Short-term debt securities if terms are agreed prior to midday. [5] Short-term debt securities if terms are agreed after midday. [6] Long-term debt securities.

Belgium: [1] Settlement currencies.

Brazil: [1] Some special transactions have intraday finality. [2] Payments relating to derivatives on stocks.

Canada: [1] IIROC. [2] Once payment exchange commences usually at 16:00, no further funds settlement is permitted that day; however, securities settlement can occur up to 19:30. [3] Equities. [4] GoC T-bills and money market securities. [5] GoC bonds with maturity of three years or less. [6] GoC bonds with maturity of more than three years and all provincial, municipal, corporate and other bonds or other certificates of indebtedness including mortgage-backed securities.

China: [1] Shanghai Stock Exchange and Shenzhen Stock Exchange each hold 50% of SD&C's shares. [2] There is no official name for the system yet.

France: [1] ESES France replaced RGV2 in November 2007 while the revocable channel was suppressed. [2] Eleven links are operating in EUR.

Germany: [1] Deutsche Börse AG. [2] 17:30 for specific Euro GC pooling transactions. [3] For stock exchange. [4] For over-the-counter.

Hong Kong SAR: [1] Equities include ordinary shares, preference shares, registered warrants, provisional allotment letters representing nil paid rights, depository receipts; structured products include derivative warrants, equity linked instruments, callable bull/bear contracts; bonds include Exchange Fund notes, Hong Kong SAR retail bonds and Hong Kong SAR Link Retail Bonds; unit trust funds includes Exchange Traded Funds, REITs. [2] Hong Kong Exchanges and Clearing Limited (HKEX). [3] CCASS stands for Central Clearing and Settlement System. [4] Austraclear in Australia and New Zealand, Korean Securities Depository in South Korea, China Govt Sec Depository Trust and Clearing Com Ltd in Mainland China. [5] Exchange trade: They are settled under continuous net settlement system on a netting basis, with final transfer of securities from the seller to the buyer at securities-on-hold status occurring throughout the 4 batches settlement runs processing cycle on T+2, with the final netting funds from the buyer to the seller on same value day. The allocated on-hold securities will become available upon receipt of bank confirmation of on T+2; Non-exchange trade: securities transfer instructions are settled on a trade-by-trade basis, with final transfer of securities from the seller to the buyer occurring throughout the 4 batch settlement runs processing cycle, with the final transfer of fund from the buyer to the seller on same value day.

Italy: [1] Monte Titoli spa. [2] For matched transactions in the gross settlement. [3] The currencies reflect the denomination of financial instruments, cash leg is settled in EUR. [4] For main regulated markets (eg stock exchanges) and MTFs. [5] For OTC trades.

Japan: [1] "Core Time" of JGB Services is set from 9:00 to 16:30. [2] Commercial paper and investment trusts. [3] For equities. [4] For bonds, commericial paper and investment trusts. [5] For equities traded outside the exchanges. [6] For exchange-traded equities cleared via the Japan Securities Clearing Corporation.

Korea: [1] Transactions on exchange. [2] 16:10 for securities settlements, 16:50 for funds settlements of institutional investor stock transactions. [3] For bonds traded on OTC market. [4] Links to other CSDs through global custodians, counted on a country basis. [5] DVP1 for bonds traded on OTC market, DVP2 for institutional investor stock transactions, DVP3 for transactions on exchange. [6] T for bonds traded on exchange, T+1 for government bonds traded on exchange and for bonds traded on OTC market, T+2 for stocks traded on exchange and institutional investor stock.

Mexico: [1] DVP settlement cycle occurs every two minutes or less.

Netherlands: [1] Euroclear Group.

Russia: [1] For paper-based depo orders on OTC transactions. [2] For non-paper-based depo orders. [3] For depo orders settled on DVP1, DVP2 and DVP3 basis. For some transactions a different closing time may be set during the business day; up to that time depo orders are accepted and settled on the same business day. [4] NSD has accounts with eight CSDs (two of which allow settlement on a DVP basis). Eight CSDs have accounts with NSD. [5] Settlements on DVP basis, payments of securities gains, banking operations. [6] Payments of securities gains, banking operations.

Saudi Arabia: [1] Tadawul. [2] For equities. [3] For bonds.

Singapore: [1] Pre-Settlement Matching System. [2] Shares will be transferred once payment is confirmed on settlement date.

South Africa: [1] The owners are stock exchange and banks and the manager is STRATE Ltd. [2] T+3 for bonds. [3] T+5 for equities.

Switzerland: [1] For central bank money. [2] For commercial bank money.

Turkey: [1] Takasbank is the custodian for non-fungible domestic stocks. [2] Takasbank is the custodian for domestic private pension funds. [3] Takasbank is owned by 19 banks and 67 brokerage houses, none of which can exceed a 5% share. [4] Settlement is processed and finalized through the Central Securities Depository-Takasbank integrated system. Takasbank, as the cash clearing agent, manages the DVP system. [5] G-Bonds, T-Bills and Repos. [6] Derivatives T+1 until 14:00. [7] Equities. [8] Securities for delivery lag of T+0. [9] Securities for delivery lag of T+2.

United Kingdom: [1] Owned and operated by Euroclear UK and Ireland. [2] For sterling and euro settlement. [3] For US dollar settlement. [4] T for delivery by value transactions. [5] T+1 for gilts. [6] T+3 for equities.

United States: [1] NBES is the Federal Reserve's National Book-Entry System. [2] Eastern time.

Table CSD2

Transactions processed by selected central securities depositories: number of transactions

(total for the year)

System	Number o.4(o.ce)0.5(ss)0.5(ed by)21-3.:									
	2011	**2012**	**2013**	**2014**	**2015**	**2011**	**2012**	**2013**	**2014**	**2015**
Australia										
ASX Settlement	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
Austraclear	0.33	0.34	0.35	0.34	0.33	13.0	3.0	2.6	-2.2	-2.7
Belgium										
NBB SSS	0.52	0.58	0.55	0.95	0.50	27.2	12.3	-5.5	72.2	-47.5
Euroclear Belgium	1.80	1.80	1.91	2.12	2.47	5.1	-0.1	5.9	11.0	16.5
Euroclear Bank	59.9	64.9	70.1	75.7	83.7	24.3	8.2	8.1	8.0	10.6
Brazil										
SELIC	3.37	3.64	3.97	3.95	4.14	12.0	7.9	9.0	-0.4	4.8
BMFBOVESPA-Equities	16.99	18.89	20.93	19.16	18.00	-0.6	11.1	10.8	-8.5	-6.1
CETIP	34.90	30.47	86.01	116.94	309.82	34.2	-12.7	182.2	36.0	164.9
Canada										
CDS	418.5	360.3	352.5	429.7	446.5	24.1	-13.9	-2.2	21.9	3.9
China										
SD&C	4,769.7	4,117.2	5,711.6	7,780.5	20,786.9	-22.4	-13.7	38.7	36.2	167.2
CDC Depository and Settlement System	515.7	587.4	457.5	466.4	677.3	17.5	13.9	-22.1	1.9	45.2172r3o 80 58
France										
Euroclear France	27.64	23.62	24.38	24.30	25.61	5.8	-14.5	3.2	-0.4	5.4
Germany										
Clearstream Banking AG	63.17	52.80	60.93	55.33	61.17	8.2	-16.4	15.4	-9.2	10.6
Hong Kong SAR										
CCASS	20.65	18.03	20.20	21.76	24.76	3.6	-12.7	12.0	7.7	13.8
CMU	0.114	0.089	0.092	0.098	0.086	25.6	-22.3	4.4	5.8	-12.0
India										
RBI (SSS)	1.9	2.3	2.6	3.0	3.1	12.8	22.5	13.6	16.2	3.1
NSDL	118.1	107.7	99.5	147.3	132.0	-36.4	-8.8	-7.6	48.0	-10.4
CDSL	56.57	68.41	69.21	104.67	95.16	-32.1	20.9	1.2	51.2	-9.1
Italy										
Monte Titoli	23.49	21.29	21.00	24.66	23.72	-9.3	-9.4	-1.4	17.5	-3.8
Japan										
BOJ	3.93	4.21	4.36	4.65	4.46	2.3	7.2	3.5	6.8	-4.3
JASDEC	85.45	88.35	107.29	111.02	118.18	-1.9	3.4	21.4	3.5	6.4
Korea										
KSD	9.48	7.72	7.71	7.81	8.61	5.2	-18.6	-0.1	1.4	10.2
Mexico										
Indeval	4.52	4.77	5.35	5.22	5.52	10.8	5.7	12.0	-2.5	5.8
Netherlands										
Euroclear Netherlands	5.21	5.00	5.35	5.71	6.24	6.9	-4.1	7.0	6.7	9.4
Russia										
NSD	2.59	2.34	2.61	2.49	2.45	-5.2	-9.7	11.4	-4.4	-1.8
DCC	0.13	0.11	0.00	nap	nap	-62.8	-12.2	-99.7	nap	nap
Saudi Arabia										
Tadawul	25.55	42.11	43.25	48.81	30.45	30.7	64.8	2.7	12.8	-37.6
Singapore										
MEPS+(SGS)	0.079	0.090	0.102	0.098	0.115	10.5	14.1	13.1	-3.4	17.0
DCSS	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CDP	0.31	0.47	0.90	0.50	0.40	-1.3	53.0	92.2	-44.1	-20.9
South Africa										
SAFIRES	5.02	6.24	6.60	7.13	7.98	16.6	24.2	5.8	7.9	12.0
Sweden										
Euroclear Sweden	13.86	11.38	12.57	14.11	13.28	13.3	-17.9	10.4	12.2	-5.9
Switzerland										
SECOM	65.21	49.82	53.49	55.07	66.92	13.5	-23.6	7.4	3.0	21.5
Turkey										
Takasbank	95.70	106.35	180.88	245.93	296.06	15,349.9	11.1	70.1	36.0	20.4
Central Securities Depository	2.42	2.86	3.56	3.45	3.19	8.0	18.4	24.4	-3.0	-7.6
ESTS	0.13	0.18	0.27	0.26	0.28	47.0	41.8	46.6	-3.6	9.5
United Kingdom										
CREST	51.78	47.87	56.85	57.67	57.49	-0.6	-7.6	18.8	1.4	-0.3
United States										
NBES	18.61	18.23	19.04	17.04	17.46	-5.9	-2.1	4.4	-10.5	2.5
DTC	302.3	299.3	319.5	323.0	345.2	2.5	-1.0	6.7	1.1	6.9

Table CSD5

Securities held on account at selected central securities depositories

(end of year)

System	Number of securities held *(thousands except as noted)*					Market capitalisation *(USD billions)* [1]				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Australia										
ASX Settlement	2.22	2.19	2.20	2.21	2.24	1,106.3	1,335.0	1,312.9	1,237.7	1,143.2
Austraclear	nav	nav	nav	nav	nav	1,309.4	1,428.6	1,314.4	1,388.4	1,350.9
Belgium										
NBB SSS	1.68	1.85	2.06	2.12	2.36	664.2	700.9	747.1	676.6	626.5
Euroclear Belgium	0.77	0.82	1.04	0.97	1.09	170.5	209.3	279.6	273.0	295.2
Euroclear Bank	203.9	202.8	212.1	220.0	230.7	13,934.4	14,187.0	14,638.2	14,316.0	13,361.8
Brazil										
SELIC	0.53	0.45	0.37	0.39	0.36	1,404.8	1,432.6	1,312.0	1,297.1	1,071.6
BMFBOVESPA-Equities	1.21	1.26	1.30	1.32	1.34	589.7	603.6	464.2	417.8	242.3
CETIP	2,861.5	2,523.5	2,695.4	3,272.0	7,430.1	1,696.3	1,690.4	1,608.7	1,558.2	1,137.8
Canada										
CDS	78.25	78.17	76.76	75.36	75.15	3,850.1	4,152.0	4,080.7	3,983.4	3,322.0
China										
SD&C	3.30	4.09	5.07	6.33	8.51	3,575.7	3,899.6	4,297.6	6,629.6	8,918.7
CDC Depository and	2.94	3.57	4.23	4.86	6.16	3,389.6	3,779.3	4,249.8	4,695.2	5,396.1
France										
Euroclear France	46.74	54.09	52.51	62.48	61.90	6,496.9	7,023.5	7,764.5	6,989.3	6,612.6
Germany										
Clearstream Banking AG	2,232.9	2,655.7	3,938.4	4,171.1	4,703.0	7,490.0	7,920.5	8,793.2	9,195.3	8,499.2
Hong Kong SAR										
CCASS	6,617.0	6,725.0	8,217.0	8,529.0	8,362.0	1,235.7	1,590.8	1,789.9	1,922.1	1,944.7
CMU	1.56	2.03	2.21	2.24	2.07	162.86	198.95	230.54	235.54	241.13
India										
RBI (SSS)	0.002	0.002	0.002	0.002	0.002	726.5	813.0	826.9	913.7	990.5
NSDL[1]	579.8	686.5	795.5	927.4	1,100.2	1,339.0	1,401.9	1,444.3	1,855.1	1,766.4
CDSL[1]	133.6	151.7	177.3	206.0	226.6	191.6	179.8	175.7	220.2	199.6
Italy										
Monte Titoli	42.71	43.79	42.37	38.24	43.32	4,153.1	4,233.3	4,549.6	4,066.3	3,598.9
Japan										
BOJ	nav	nav	nav	nav	nav	11,585.5	10,867.0	9,115.5	8,071.8	8,155.4
JASDEC[1]	75.78	73.28	70.88	70.85	71.26	4,626.6	4,051.2	8,237.0	8,373.7	8,736.1
Korea										
KSD	36.93	44.39	48.72	51.38	51.37	1.28	1.51	1.66	1.68	1.67
Mexico										
Indeval	7.98	8.75	9.15	9.67	10.34	1,094.9	1,353.0	1,508.3	1,461.5	1,296.3
Netherlands										
Euroclear Netherlands	9.00	10.00	12.00	14.00	17.00	1,119.9	1,152.1	1,323.0	1,248.1	1,081.5
Russia										
NSD	4.18	6.62	6.85	7.81	9.20	300.0	445.4	727.7	497.5	487.5
DCC	3.73	1.11	0.51	nap	nap	102.3	28.7	0.1	nap	nap
Saudi Arabia										
Tadawul[1]	93,703	104,147	135,755	151,914	161,536	353.1	390.0	507.8	483.5	421.1
Singapore										
MEPS+(SGS)	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
DCSS	nav	nav	nav	nav	nav	nav	nav	nav	nav	nav
CDP	nav	nav	nav	nav	nav	1,039.5	1,306.4	1,444.3	1,563.8	1,477.0
South Africa										
SAFIRES	4.11	4.55	5.79	8.64	8.97	788.3	941.6	881.4	863.7	652.9
Sweden										
Euroclear Sweden	nav	nav	nav	nav	nav	1,373.1	1,590.0	1,772.6	1,172.4	1,407.8
Switzerland										
SECOM	237.6	254.2	285.5	296.4	325.6	2,719.4	2,937.2	3,249.4	3,234.5	3,151.0

[1] Converted at end of year exchange rates.

Japan: [1] Data refer to total transactions during the fiscal year ending March of the following year (see Japan, Table23). As a consequence, they are converted at end-March of following year exchange rates.

India: [1] For number of securities held, billions.

Saudi Arabia: [1] For number of securities held, millions.

Table CSD5 (cont)

System	Number of securities held *(thousands)*					Market capitalisation *(USD billions)* [1]				
	2011	2012	2013	2014	2015	2011	2012	2013	2014	2015
Turkey										
Takasbank	0.60	0.78	0.77	0.74	0.70	23.23	28.28	26.83	31.75	29.76
Central Securities Depository[1]	1.50	1.78	1.96	2.34	2.53	223.6	438.4	355.6	394.5	287.7
ESTS	0.06	0.06	0.05	0.06	0.06	193.70	212.79	182.64	173.07	157.42
United Kingdom										
CREST	11.01	11.29	12.04	14.17	14.17	5,211.3	5,957.0	7,023.9	6,909.5	6,766.4
United States										
NBES	1,187.1	1,217.6	1,225.9	1,231.5	1,243.6	60,295.9	63,196.0	65,726.0	67,914.9	70,489.7
DTC	3,690.0	1,354.0	1,326.0	1,300.0	1,341.0	40,000.0	37,200.0	42,907.5	46,436.6	45,361.4

[1] Converted at end of year exchange rates.

Turkey: [1] For number of securities held, millions.

Annexes

General comments

Exceptions	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.
Breaks in series	Where these occur, they are indicated by a footnote.
Sources of data	These are indicated under the table concerned where appropriate.
Definitions	Definitions in the tables which are not given in this methodology are based on "A glossary of terms used in payments and settlement systems", revised version, March 2003 (http://www.bis.org/publ/cpss00b.htm). 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.)
Intrabank items	These are included as appropriate except where indicated.
Foreign currency	Foreign currencies are not included in the figures unless otherwise indicated.
Time period	Each table indicates the period (eg year) or point in time (eg end-year) for which the data are presented. The data are totals unless the table explicitly indicates otherwise (eg a daily average).
Estimated data	Where data are broadly estimated and thus only indicative, this is indicated in a footnote (except for population and GDP in Table 1 and data in Country Tables 7 and 8, where it is taken for granted that the data are estimated).
Seasonal adjustment	Figures are not seasonally adjusted unless otherwise indicated.
"nap", "nav" and "0"	Where data are not applicable (ie the category does not exist in the reporting country), this is indicated by "nap". Where data are not available (ie the category exists, but data are not available), this is indicated by "nav". Where data are exactly zero or none this is indicated by "0".

Statistical methodology for the country tables

General

Stock data are collected at annual frequency with reference date end-December, except when specified otherwise. Transaction data cover the whole calendar year.

Note that definitions are only provided once. The items only appear on the left-hand side of this methodology when they appear for the first time in the tables, in which case a definition is given, or when there are some specific methodological issues in the table concerned.

Basic information: banknotes and coin; institutions; transferable deposits

Table 1: Basic statistical data

Population	Average for the year (computed as the average of two point values at the start and end of the year, or otherwise).
GDP	Nominal (not real) GDP.
GDP per capita	*GDP* divided by *population*.
CPI inflation	Changes in the price of consumer goods and services (yearly averages of monthly values), in per cent.
Exchange rate (domestic currency vis-à-vis USD)	Provided both as a year-end value and as an average for the year.

Table 2: Settlement media used by non-banks

Notes and coin (or currency) in circulation outside banks	The value of cash in circulation in the economy. The figure excludes notes and coin kept in vaults at central banks or at banks (see Table 4) but includes holdings by non-residents. It also excludes commemorative coins that are not used for payments, unless otherwise indicated.
Transferable deposits	Deposits which are convertible into currency and/or can be used to make cashless payments using one of the instruments mentioned in Tables 7 and 8, as included in the national definition of M1. They include, when relevant, overnight overdrafts on these accounts. In addition, they include deposits in foreign currencies and outstanding values on e-money storages if these are also included in M1.
Other	Items other than notes and coin and transferable deposits included in M1.
Narrow money supply (M1)	Cash in circulation and transferable deposits held by non-banks including non-residents, unless otherwise indicated.
E-money storages	Instruments for storing e-money funds, eg cards (card-based, see cards with an e-money function in Table 6), personal computers or servers (computer-based, of which software- or network-based) or other devices like mobile phones (mobile-based, with the funds stored locally on a mobile phone).
Software-based	Electronic money products which employ specialised software on a personal computer and which can typically be used to transfer electronic value via telecommunications networks such as the internet.
Network-based	Electronic money products which allow consumers to store monetary value

	on a centrally located server. This value can subsequently be used for making payments on the internet.
Outstanding value on e-money storages	The difference between the value of cash loaded onto an e-money storage and the value spent. The value loaded is issued against a payment to the issuer in advance and is widely accepted as a means of payment by parties other than the issuer. The value of electronic money held by banks other than the issuer is included, unless otherwise specified.

Table 3: Settlement media used by banks

Transferable balances held at the central bank	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).
Required reserves	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.
Free reserves	Funds held voluntarily at the central bank that can be used for payment purposes.
Transferable balances held at other banks	Deposits held at other banks in the country (not at the central bank) which are convertible into currency and/or can be used for payment purposes.
Credit extended by the central bank	*Intraday*: credit extended by the central bank for a period of less than one business day. It is calculated as the average of the daily maximum value of simultaneous intraday overdraft positions or drawings on intraday credit facilities during the day for the aggregate of all banks, over the opening days of the interbank payment system. *Overnight*: credit extended by the central bank (in the forms specified by the respective country) at the end of the day, in order to cover any (unexpected) overdrafts caused by banks' payment activities. This includes discount window facilities in the United States and marginal lending facilities in the euro area countries. It is calculated as the average of the daily total value for the aggregate of all banks, over the opening days of the interbank payment system. *Longer-term refinancing operations*: credit of varying maturities extended by the central bank (in the forms specified by the respective country) through its monetary policy operations. Although banks' borrowing of these funds is not determined by their payment activities, the funds are made available in the payment system and therefore contribute to the liquidity of the system.

Table 4: Banknotes and coin

Total banknotes and coin issued	Value of banknotes and coin excluding those kept in vaults at central banks or at treasury departments (but including those held at banks). Commemorative coins that are not commonly used to make payments are excluded.
Total banknotes issued	Value of banknotes which are part of the liabilities of the central bank; a breakdown by denomination is provided.
Total coin issued	Value of coin; a breakdown by denomination is provided.
Banknotes and coin held by banks	Banknotes and coin in banks' vaults and thus not in circulation among the public.
Banknotes and coin in circulation outside banks	Total banknotes and coin in circulation less banknotes and coin held by banks (identical to notes and coin in Table 2).

Table 5: Institutions offering payment services to non-banks

Categories	Categories of institutions are based on the individual countries' own financial systems. Particular categories are explained where this is felt to be necessary. As a rule, subsidiaries of foreign banks with legal personality in the reporting country are counted alongside domestic banks. The same holds for the post office when it is recognised as a bank by the national jurisdiction.
Branches of foreign banks	All places of business located in the reporting country of banks headquartered in other countries, which have no legal personality, and which carry out all or some of the transactions inherent in the business of banking. Foreign-owned banks or subsidiaries of foreign banks are included with domestic banks.
Other institutions offering payment services	Non-banking institutions offering payment services to non-banks, such as the post office (when it is not considered as a bank), money remitters, card schemes or public authorities offering such services. Whenever possible, the types of institutions included are indicated. In some countries, information for some or all of these institutions is not available, or is restricted to transaction data (which is shown in Tables 6 to 8). In such cases, Tables 6 to 8 may include information from a larger range of service providers than those included in Table 5; if required, an explanatory footnote is given.
Number of institutions	Any institution which offers payment services is included 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). Each institution is counted once, irrespective of the number of branches or offices it holds in the country.
Number of branches or offices	All places of business of an institution that offer cashless payment services to non-banks. The head office of the institution is counted as an office if it offers such services. Mobile offices are excluded.
Number of accounts	The number of accounts held by banks for non-banks (including the government) and individuals, which can be debited directly using one of the instruments mentioned in Tables 7 and 8. This excludes savings accounts; it may include time deposits.
Value of accounts	The aggregate amount of deposits held by non-banks at institutions offering payment services. This amount differs from Table 2, as that table also contains deposits held at institutions which do not offer payment services (eg money market funds).
Electronic money institutions	An undertaking or any other legal person, other than a bank, which issues means of payment in the form of electronic money.
Outstanding value on e-money storages	The value of e-money issued by electronic money institutions and held by entities other than the issuer, including banks other than the issuer. This figure differs from that in Table 2, as that table also contains outstanding value on e-money storages issued by banks.

Retail payment instruments

Table 6: Payment card functions and accepting devices

A. Cards

A card which has several functions is counted in each relevant line. Therefore, in general, these figures should not be added because of the risk of double-counting. In cases where certain functions are not indicated separately but grouped together, this is indicated in the table concerned.

Cards are counted on the issuing side. Each country reports the number of cards that have been issued in the country (and used for transactions within and outside the country of issue) and not the number of cards used in the country.

All valid cards are included, irrespective of when they were issued and how actively they are used. Expired or withdrawn cards are not included. Cards issues by three-party schemes, eg American Express or Diners, are included. Cards issued by merchants are not included in the standard categories, unless they have been issued in cooperation with a bank. When relevant, they can be included under the memorandum item *Retailer cards*.

Cards with a cash function	Cards enabling the holder to withdraw cash from a cash dispenser and/or to deposit cash.
Cards with a debit function	Cards which enable the holder to have purchases directly charged to funds on his/her account at a bank (may sometimes be combined with another function, such as that of a cash card or cheque guarantee card). The total represents the number of cards in circulation, not the number of accounts to which the cards are linked.
Cards with a delayed debit function	Cards enabling the holder to charge his/her account up to an authorised limit. These cards allow holders to make purchases, but do not offer extended credit, the full amount of the debt incurred having to be settled at the end of a specified period.
Cards with a credit function	Cards indicating that the holder has been granted a line of credit. They enable him/her 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.
Cards with an e-money function	Reloadable multipurpose prepaid cards which can be used at the sites of several service providers for a wide range of purposes and which have the potential to be used on a national or an international scale, but may sometimes be restricted to a certain area.
Cards with an e-money function which have been loaded at least once	These cards can be considered as activated: the loading may be interpreted as indicating the intention to use the e-money function.
Retailer cards	Cards issued by non-banking institutions (merchants) for use at specified retail outlets. May function as cards with a debit, delayed debit or credit function. If the retailer cards have been issued in cooperation with a bank (co-branding) they are included according to the function(s) available on the card; whenever possible these cards are specified as a sub-item. Non-co-branded cards can be included as a memorandum item or as a footnote.

B. Terminals

ATMs with several functions (eg cash dispensing and credit transfer function) are counted in each relevant line. Therefore, in general, these figures should not be added because of the risk of double-counting.

For some countries, there may be double-counting of the number of ATMs when the data are reported per card issuer or per card scheme, and the same ATM is reported under several schemes; if required, an explanatory footnote is given.

ATMs (automated teller machines)	Electromechanical devices allowing authorised users, by using a payment card, to withdraw cash from their account and in some cases to access a range of other services, such as balance enquiries, transfers of funds and acceptance of deposits. ATMs may be operated online (with real-time reference to an authorisation database) or offline.
ATMs with a cash withdrawal function	ATMs allowing their users, by using a card with a cash function, to withdraw cash from their accounts.
ATMs with a credit transfer function	ATMs allowing their users, using a payment card, to make credit transfers.
POS (point of sale)	This term refers to the use of payment cards at a retail location. The payment information is captured either by paper vouchers or by electronic terminals. Each single terminal is counted separately, independent of the existence of several terminals within one merchant location. Countries reporting each merchant location as one terminal will specify this in a footnote.
EFTPOS (electronic funds transfers at the point of sale)	A terminal at a retail location which is designed to capture, and in some cases also transmit, debit card transactions by electronic means. Each single terminal is counted separately, independent of the existence of several terminals within one merchant location. Countries reporting each merchant location as one terminal will specify this in a footnote.
E-money card terminals	Terminals allowing the transfer of e-money between the issuer of e-money and the holder of an e-money card, or between the holder of an e-money card and a beneficiary.
E-money card loading/unloading terminals	Terminals allowing the transfer of electronic value from an issuer of electronic money to the holder of a card with an e-money function and vice versa (unloading).
E-money card payment terminals	Terminals located at the point of sale that permit the holder of e-money to transfer e-money value from his/her e-money card to the balance of the merchant or other beneficiary. Each single e-money accepting terminal is counted separately, independent of the existence of several terminals within one merchant location. Countries reporting each merchant location as one terminal will specify this in a footnote.

Tables 7 and 8: Indicators of the use of payment instruments and terminals by non-banks (volume and value of transactions)

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private operators.

Figures are provided system by system, with categories of various payment instruments when relevant (cheques, direct debits, credit transfers, ATM transactions, card payments, e-money transactions etc) as sub-items.

Concentration ratio in terms of volume/value — Market share of the five largest senders of payment messages in each system (this may include the central bank). The five largest senders of transactions in terms of volume may differ from the five largest senders in terms of value. Each participant which has individual access to the system is counted separately, irrespective of whether there is a legal link (eg merger) between two or more participants.

Card payments — All card payments processed in the IFTSs are reported, irrespective of where the card was actually issued or used.

Cross-border transactions are counted in the country where the transaction originates in order to avoid double-counting (this differs from Tables 7 and 8, where card payments are reported in the acquiring country). Whenever received transactions are available, they can be reported as a memorandum item.

For other payment instruments settled in these systems (credit transfers, direct debits, cheques etc), see the definitions given for Country tables 7 and 8.

Table 12: Participation in SWIFT by domestic institutions

These figures are provided by SWIFT. Totals and their components (members, sub-members, participants) refer to "legal" users, ie users who have been approved by SWIFT's Board via the monthly Board Paper. *Live* users are those that have cutover and are connected on SWIFT.

Sub-members — Domestic users sponsored by members abroad.

Participants — Participants are not shareholders of SWIFT and their message traffic over the network is restricted.

Table 13: SWIFT message flows to/from domestic users

These figures are provided by SWIFT. All traffic for domestic and international Market Infrastructures is allocated to the country of the SWIFT destination making the payment. The traffic exchanged between Market Infrastructures and their participants is excluded from the domestic traffic.

Category I — 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 — 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 — Messages sent to/received from domestic users.

Securities and derivatives trading, clearing and settlement

Exchanges and trading systems

Table 14: Number of participants in exchanges and trading systems

Figures are provided separately for each trading system, with categories of various participants as sub-items. When countries are unable to provide a breakdown, only the total number of participants is reported.

Trading system — An infrastructure or mechanism aimed at facilitating securities or derivatives transactions between those who wish to buy and sell. A trading system can be a legal entity recognised as an exchange or an integrated part of a stock exchange; it can also be a multilateral trading facility or an OTC trading platform.

Only recognised and/or supervised exchanges and trading systems are reported; only the exchanges and systems that the reporting central banks consider to be relevant for this publication are reported. Reporting is done by entity; if available, more detailed figures can be provided for each or some of the markets serviced by the entity.

Participant — A participant is a legal entity that can submit (buy and sell) orders to the trading system on its own behalf or on behalf of its customers.

Domestic vs foreign participants — Any participant that is located in the country of incorporation of the trading system (which is also the reporting country) is considered as a domestic participant.

In the European Union, branches of foreign entities located in the reporting country, and participants in systems that are part of an international group, located in one of the participating countries, are considered as domestic participants. Other countries specify in a footnote how participants are classified.

When it is not possible to distinguish between the location of the participants in the system, the categories of participants appear as sub-items under *Total number of participants*, instead of under the two sub-categories *Number of domestic participants* and *Number of foreign participants*.

Central counterparty (CCP) — An entity that interposes itself between counterparties to contracts traded in one or more financial markets, becoming the buyer to every seller and the seller to every buyer.

A CCP may at the same time be a bank. In that case, it is classified as a CCP (ie according to its function) and not as a bank.

Banks — See Country Table 5.

If a bank is at the same time a CCP, the institution is classified as a CCP and not as a bank.

Other — Other counterparties, for example dealers and brokers.

Table 15: Number of listed securities

Total number of securities admitted to trading — The number of securities admitted to trading on the reported trading system. Securities are distinguished according to their ISIN code, or any other national code used in the reporting country. The ISIN (International Securities Identification Number) code system is an international standard on many financial markets that facilitates the identification of securities,

particularly in cross-border transactions, since ISIN assigns each security a single number used in all countries.

When countries are only able to provide the number of companies that are listed (and not the number of different codes), this is specified in a footnote.

Debt securities — A debt security is a promise on the part of the issuer (the borrower) to make one or more payment(s) to the holder (the lender) on a specified future date or dates. Such securities usually carry a specific rate of interest (the coupon) and/or are sold at a discount to the amount that will be repaid at maturity. Includes bonds and short-term paper.

The number of securities can be approximated by the number of codes listed.

Equity — Securities representing ownership of a stake in a corporation, ie shares traded on a stock exchange (quoted or listed shares), unquoted or unlisted shares and other forms of equity. Equities usually produce income in the form of dividends. Equity includes investment fund shares and depository receipts.

The number of companies whose shares are listed is reported. A company or investment fund with several classes of shares is counted only once.

Other — Other instruments, for example warrants.

Table 16: Market capitalisation of listed companies

Total market capitalisation — The market value of companies, calculated as the total number of a company's shares outstanding multiplied by the current market price per share. Only domestic equities are included; foreign listings and investment fund shares/units are excluded. If shares are listed on several exchanges they are only taken into account for the calculation of the market capitalisation on the exchange where the shares have been issued. For exchanges that are part of an international group, all securities listed in one of the participating countries are considered.

Tables 17 and 18: Number and value of executed trades

Total number of executed securities trades — Each transaction is counted once, regardless of whether the transaction has been executed on an order-driven or on a quote-driven system (even when exchanges count transactions executed on a quote-driven system twice, once for the buyer and once for the seller).

Total value of executed securities trades — Transactions in debt securities, ie bonds and short-term papers, are valued at nominal value. Transactions in equity securities are valued at market value. The monthly average securities price can be used as market value.

The value of transactions denominated in other than the reporting currency are converted to the reporting currency taking the exchange rate on the day when the transaction takes place (transactions) or the exchange rate of the last business day of the year (stocks). The monthly exchange rate can also be used as a proxy.

Total number of executed derivatives trades — Number of derivatives contracts entered into in the reporting period.

Total value of executed derivatives trades — Gross nominal or notional value of all contracts entered into in the reporting period.

Central counterparties (CCPs) or clearing houses

A CCP is an entity that interposes itself between counterparties to contracts traded in one or more financial markets, becoming the buyer to every seller and the seller to every buyer. A clearing house is a central location or central processing mechanism reconciling and, in some cases, confirming payment orders or securities transfer instructions prior to settlement, possibly including the netting of instructions and the establishment of final positions for settlement. Only entities that do not novate transactions and assume the role of CCP are reported as clearing houses.

The name of the entity is followed, in brackets, by a mention of its function (either CCP or clearing house). When deemed necessary, a footnote provides additional information. When a single entity performs the functions of both clearing house or CCP and central securities depository, Tables 19 to 21 are completed, when relevant, with data on its clearing house or CCP activities.

Table 19: Number of clearing members

Figures are provided separately for each CCP or clearing house with categories of various participants as sub-items. When countries are unable to provide a breakdown, only the total number of participants is reported.

Number of clearing members	All members of the clearing house or CCP. Includes direct clearing members (participants that are able to clear only their own obligations) and general clearing members (participants that are able to clear their own obligations as well as those of clients).
Domestic vs foreign clearing members	Any clearing member that is located in the country of incorporation of the CCP or clearing house (which is also the reporting country) is considered as a domestic clearing member. A footnote specifies whether participants located in some other countries are also counted as domestic. A clearing member who is registered outside the reporting country, but has a branch in this country, is also reported as a domestic clearing member. When it is not possible to distinguish between the location of the clearing members, then the categories of clearing members appear as sub-items under *Total number of clearing members*, instead of under the two sub-categories *Number of domestic clearing members* and *Number of foreign clearing members*.
Central counterparty (CCP)	CCPs which are clearing members of the reporting CCP or clearing house, and which are also banks, are classified as CCPs and not as banks.
Banks	See Country Table 5. If a bank is at the same time a CCP, the institution is classified as a CCP and not as a bank.
Other	Other counterparties, for example dealers and brokers.

Tables 20 and 21: Number and value of contracts and transactions cleared

Contracts/transactions denominated in another currency than the reported currency are converted to the reporting currency using the exchange rate on the day at which the transaction takes place. As a proxy, the monthly average exchange rate can be used.

Securities transactions cleared	Includes both outright securities transactions and repurchase transactions.
Number of securities transactions cleared	For CCPs, the number and value of securities transactions is reported on a post-novation basis (counting the transactions with the CCP as it interposes itself as buyer to every seller and seller to every buyer).
Value of securities transactions cleared	Transactions in debt instruments and equity securities are valued at transaction values. When the transactions cleared are free-of-payment, the securities are valued at market value. The monthly average price may be

	used as a proxy for the market value of transactions. When market value is not available, the latest available price is used.
Derivatives contracts	Financial contracts whose value depends on the value of one or more underlying reference assets, rates or indices.
OTC derivatives transactions	Derivatives transactions that have not been executed on trading platforms of recognised and/or supervised exchanges or trading systems.
Financial futures	Standardised contracts, traded on an exchange, that obligate one party to buy, and the other to sell, an underlying asset at a specific price and date in the future. In the case of financial futures, the underlying can be a financial instrument (eg securities) or an index (eg interest rates).
Financial options	Contracts that give the buyer the right, but not the obligation, to buy or sell an underlying asset by (or on) a specific date for a specific price. For this right the purchaser pays a premium. In the case of financial options, the underlying asset is a financial instrument (eg securities).
Other financial derivatives	Any financial derivatives other than future and option contracts, for example swaps.
Commodity futures	Standardised contracts, traded on an exchange, that obligate one party to buy, and the other to sell, a commodity (agricultural product, oil etc) at a specific price and date in the future.
Commodity options	Contracts that give the buyer the right, but not the obligation, to buy or sell a commodity by (or on) a specific date for a specific price. For this right the purchaser pays a premium.
Other commodity derivatives	Any commodity derivatives other than future and option contracts.
Number of derivatives contracts cleared	Several contracts may be traded in one transaction. This item does not refer to the number of transactions, but to the number of contracts. For CCPs, contracts are reported on a post-novation basis (counting the contract with the CCP as it interposes itself as buyer to every seller and seller to every buyer). Transfers of underlying assets to fulfil obligations from open positions in derivatives at expiration of a derivatives contract are not counted as derivatives transactions. If the underlying is a security, such a transfer is counted as a securities transaction.
Value of derivatives contracts cleared	Derivatives transactions are valued at market value. The market value of an option is the actual premium to be paid by the option buyer. The market value of a futures contract is the market value of the underlying or, for futures with notional underlying, the market price of the futures contract itself.

Central securities depositories

A central securities depository (CSD) is a facility (or an institution) for holding securities which enables securities transactions to be processed by book entry. Physical securities may be immobilised by the depository or securities may be dematerialised (ie so that they exist only as electronic records). In addition to safekeeping, a CSD may incorporate comparison, clearing and settlement functions. When a single entity performs the functions of both clearing house or CCP and CSD, Tables 22 to 25 are completed, when relevant, with data on its clearing house or CCP activities.

Table 22: Number of direct participants in CSDs

Figures are provided separately for each CSD, with categories of various participants as sub-items. When countries are unable to provide a breakdown, only the total number of participants is reported.

Direct participants	Direct account holders in a tiered system or account operators in a non-tiered system.
Tiered vs non-tiered system	In a tiered system, custodian banks or other CSDs hold accounts with the CSD. Individual customers will only be allowed to open accounts with a custodian bank, but not directly with the CSD. In a non-tiered system, every private individual can have an account with the CSD. However, the accounts are operated by only a few companies, the account operators.
Account operator	A company operating the account of (private) customers in non-tiered systems. Account operators are typically banks.
Domestic vs foreign participants	Any participant that is located in the country of incorporation of the CSD (which is also the reporting country) is considered as a domestic participant. When it is not possible to distinguish between the location of the participants, then the categories of participants appear as sub-items under *Total number of participants*, instead of under the two sub-categories *Number of domestic participants* and *Number of foreign participants*.
Banks	If a bank is at the same time a CCP or a CSD, the institution is classified as a CCP or a CSD and not as a bank.

Table 23: Number of securities held on accounts at CSDs

Total number of ISIN codes held	The number of securities (ISIN codes or national codes) held on accounts with the reporting CSD, comprising all securities issued or safe-kept in the reporting CSD, or transferred into the CSD through a link.
Debt securities	A debt security is a promise on the part of the issuer (the borrower) to make one or more payment(s) to the holder (the lender) on a specified future date or dates. Such securities usually carry a specific rate of interest (the coupon) and/or are sold at a discount to the amount that will be repaid at maturity.
Non-debt securities	All other securities (mainly equities).
Bonds	Debt securities (including convertible securities) with an original maturity of more than one year.
Short-term paper	Debt securities (including convertible securities) with an original maturity of one year or less.

Table 24: Value of securities held on account at CSDs

Total value of securities held	The value of securities held on accounts with the reporting CSD, comprising all securities issued or safe-kept in the reporting CSD, or transferred into the CSD through a link. The value of securities denominated in a currency other than the reporting currency is converted to the reporting currency using the exchange rate on the last business day of the year.
Debt securities	Valued at nominal value.
Equity and other	Valued at market value. The monthly average price may be used as a proxy for market value. When market values are not available, the latest available price is used (as specified in a footnote). When no price and no recent payment value can be associated with the security (eg in DVP transactions), each security is valued at one unit of national currency.
Securities for which no market price is available	This item aims at providing information about the relative importance of non-debt securities (ISIN or national codes) for which the valuation rule has been applied.

Tables 25 and 26: Number and value of delivery instructions processed

Delivery instructions	All instructions to move securities between accounts. For trades not cleared by a CCP: data related to delivery instructions are reported on a gross basis. For trades cleared by a CCP: data related to delivery instructions are reported on a post-netting basis. Delivery instructions reported also include: · instructions to block (and de-block) securities for collateralisation purposes on a borrower's securities account with the CSD; · securities movements due to automatic securities lending or automatic collateralisation (including self-collateralisation); · delivery instructions to move securities from the participant's own account to his omnibus account and vice versa when there is segregation on a participant's account with the CSD; · delivery instructions related to the transfer of securities between two accounts of the same account operator in a non-tiered system. Not reported are instructions: · related to securities movements due to corporate actions (restructuring the ownership of a company through an action such as a stock split or conversion), new issues and redemptions; · related to purely technical bookings such as realignment procedures.
Number of delivery instructions	In principle, only delivery instructions are counted. An instruction to transfer two or more securities (ISIN or national codes) is counted as two (or more) instructions. When processing an instruction to transfer securities from a seller to a buyer requires two transfers, due to the use of a technical account (that cannot be assigned to a CSD participant), only one transfer is reported. If the CSD receives two instructions regarding the same transaction (eg one from the seller and one from the buyer of the securities), only one instruction is reported. For transfers through a link between CSDs, only the issuer CSD should report. When the issuing CSD is not involved (eg transfers through the "bridge"), only the delivering CSD reports.
Value of delivery instructions	The value of securities denominated in a currency other than the reporting currency is converted to the reporting currency using the exchange rate on

	the day of the transaction. As a proxy, the monthly average exchange rate can be used.
DVP transactions	A mechanism that ensures that the delivery of a security occurs if, and only if, payment occurs.
Free-of-payment transactions	Delivery of securities with no corresponding payment of funds
Debt securities	Valued at nominal value.
Equity and other	Valued at market value. See Table 24.

Table 8: Payment transactions by non-banks: total value of transactions

Based on CT 8.

Total value of transactions	*Total value of transactions with payment instruments* [CT 8], converted to USD using the *average exchange rate* [CT 1]. This is equal to the sum of the sub-items of Table 9.
Increase in the real value of transactions	Difference between *total value of transactions with payment instruments* [CT 8] in the current and previous year, divided by that number for the previous year, deflated by *CPI inflation* in the current year [CT 1], in per cent.
Average value per transaction	*Total value of transactions with payment instruments in USD* [Table 8] divided by *total number of transactions with payment instruments* [CT 7].
Average value per inhabitant	*Total value of transactions with payment instruments in USD* [Table 8] divided by *population* [CT 1].
Value as a ratio to GDP	*Total value of transactions* [CT 8] divided by *GDP* [CT 1].
Value as a ratio to deposits held by non-banks	*Total value of transactions* [CT 8] divided by *total value of deposit accounts* [CT 5].

Table 9: Use of payment instruments by non-banks: value of transactions per payment instrument

Tables 9 and 9a–e are based on CT 8. The objective of these tables is to compare the value of cashless payment instruments used in the countries concerned. These tables are based on the same general methodological guidance as Tables 7 and 7a–c.

Credit transfers	*Credit transfers* [CT 8], converted to USD using the *average exchange rate* [CT 1].
Direct debits	*Direct debits* [CT 8].
Cheques	*Cheques* [CT 8].
E-money payment transactions	*E-money payment transactions* [CT 8].
Card payments	*Card payments with cards issued in the country* [CT 8].
… by cards with a debit function	*Payments by card with a debit function* [CT 8].
… by cards with a delayed debit function	*Payments by card with a delayed debit function* [CT 8].
… by cards with a credit function	*Payments by card with a credit function* [CT 8].

Table 9a: Use of payment instruments by non-banks: relative importance of payment instruments, in value of transactions

This table is based on CT 8 or on Table 9, in that it takes the figures concerning the use of payment instruments, in value terms, and expresses them as a percentage of the total value of payment instruments used by non-banks.

Credit transfers	Value of *credit transfers* [CT 8] expressed as a percentage of *total value of transactions with payment instruments* [CT 8].
Direct debits	Idem for *direct debits* [CT 8].
Cheques	Idem for *cheques* [CT 8].

E-money payment transactions	Idem for *e-money payment transactions* [CT 8].
Card payments	Idem for *card payments with cards issued in the country* [CT 8].
… by cards with a debit function	Idem for *payments by card with a debit function* [CT 8].
… by cards with a delayed debit function	Idem for *payments by card with a delayed debit function* [CT 8].
… by cards with a credit function	Idem for *payments by card with a credit function* [CT 8].

Table 9b: Use of payment instruments by non-banks: increase in the real value of transactions

This table is based on CT 8 or on Table 9, in that it takes the figures concerning the use of payment instruments, in value terms and in domestic currency, and calculates the year-on-year growth rate, deflated by CPI inflation.

Credit transfers	Difference between the value of *credit transfers* [CT 8] in the current and previous year, divided by that number for the previous year, deflated by *CPI inflation* in the current year [CT 1], in per cent.
Direct debits	Idem for *direct debits* [CT 8].
Cheques	Idem for *cheques* [CT 8].
E-money payment transactions	Idem for *e-money payment transactions* [CT 8].
Card payments	Idem for *card payments with cards issued in the country* [CT 8].
… by cards with a debit function	Idem for *payments by card with a debit function* [CT 8].
… by cards with a delayed debit function	Idem for *payments by card with a delayed debit function* [CT 8].
… by cards with a credit function	Idem for *payments by card with a credit function* [CT 8].

Table 9c: Use of payment instruments by non-banks: average value per transaction

This table is based on CTs 7 and 8 or on Tables 7 and 9, in that it takes the figures concerning the use of payment instruments, in value terms, and divides them by the volume of this use.

Credit transfers	Value of *credit transfers* [CT 8], converted to USD using the *average exchange rate* [CT 1], divided by the volume of *credit transfers* [CT 7].
Direct debits	Idem for *direct debits* [CT 8].
Cheques	Idem for *cheques* [CT 8].
E-money payment transactions	Idem for *e-money payment transactions* [CT 8].
Card payments	Idem for *card payments with cards issued in the country* [CT 8].
… by cards with a debit function	Idem for *payments by card with a debit function* [CT 8].
… by cards with a delayed debit function	Idem for *payments by card with a delayed debit function* [CT 8].
… by cards with a credit function	Idem for *payments by card with a credit function* [CT 8].

Table 9d: Use of payment instruments by non-banks: value of transactions per inhabitant

This table is based on CT 8 or on Table 9, in that it takes the figures concerning the use of payment instruments, in value terms, and expresses them as a value of transactions per inhabitant.

Credit transfers	Value of *credit transfers* [CT 8], converted to USD using the *average exchange rate* [CT 1], divided by *population* [CT 1].
Direct debits	Idem for *direct debits* [CT 8].
Cheques	Idem for *cheques* [CT 8].
E-money payment transactions	Idem for *e-money payment transactions* [CT 8].
Card payments	Idem for *card payments with cards issued in the country* [CT 8].
… by cards with a debit function	Idem for *payments by card with a debit function* [CT 8].
… by cards with a delayed debit function	Idem for *payments by card with a delayed debit function* [CT 8].
… by cards with a credit function	Idem for *payments by card with a credit function* [CT 8].

Table 9e: Use of payment instruments by non-banks: value of transactions as a ratio to GDP

This table is based on CT 8 or on Table 9, in that it takes the figures concerning the use of payment instruments, in value terms, and expresses them as a percentage of GDP.

Credit transfers	Value of *credit transfers* [CT 8] divided by *GDP* [CT 1].
Direct debits	Idem for *direct debits* [CT 8].
Cheques	Idem for *cheques* [CT 8].
E-money payment transactions	Idem for *e-money payment transactions* [CT 8].
Card payments	Idem for *card payments with cards issued in the country* [CT 8].
… by cards with a debit function	Idem for *payments by card with a debit function* [CT 8].
… by cards with a delayed debit function	Idem for *payments by card with a delayed debit function* [CT 8].
… by cards with a credit function	Idem for *payments by card with a credit function* [CT 8].

Cards and terminals

Table 10: Cards issued in the country: number of cards

Based on CT 6.

Cards with a cash function	*Cards with a cash function* [CT 6].
Cards with an e-money function which have been loaded at least once	*Cards with an e-money function which have been loaded at least once* [CT 6].
Cards with a payment function	Sum of *cards with a debit function*, *cards with a delayed debit function* and *cards with a credit function* [CT 6].
… debit function	*Cards with a debit function* [CT 6].
… delayed debit function	*Cards with a delayed debit function* [CT 6]. If no distinction is possible between cards with a credit and/or debit function and those with a delayed debit function, they are presented under this item.
… credit function	*Cards with a credit function* [CT 6].

Table 10a: Cards issued in the country: increase in the number of cards

This table is based on CT 6, in that it takes the figures concerning the number of cards and calculates the year-on-year growth rate.

Cards with a cash function	Difference between *cards with a cash function* [CT 6] in the current and previous year, divided by that number for the previous year, in per cent.
Cards with an e-money function which have been loaded at least once	Idem for *cards with an e-money function which have been loaded at least once* [CT 6].
Cards with a payment function	Idem for the sum of *cards with a debit function*, *cards with a delayed debit function* and *cards with a credit function* [CT 6].
… debit function	Idem for *cards with a debit function* [CT 6].
… delayed debit function	Idem for *cards with a delayed debit function* [CT 6].
… credit function	Idem for *cards with a credit function* [CT 6].

Table 10b: Cards issued in the country: number of cards per inhabitant

This table is based on CT 6, in that it takes the number of cards and divides them by the country's population. It gives an indication of the penetration of cards in the population of different countries.

Cards with a cash function	*Cards with a cash function* [CT 6] divided by *population* [CT 1].
Cards with an e-money function which have been loaded at least once	Idem for *cards with an e-money function which have been loaded at least once* [CT 6].

Cards with a payment function	*Idem for the sum of cards with a debit function, cards with a delayed debit function and cards with a credit function* [CT 6].
… debit function	*Idem for cards with a debit function* [CT 6].
… delayed debit function	*Idem for cards with a delayed debit function* [CT 6].
… credit function	*Idem for cards with a credit function* [CT 6].

Table 11: Terminals located in the country: number of terminals

Based on CT 6.

ATMs	*ATMs* [CT 6].
POS terminals	*POS terminals* [CT 6].
E-money loading/unloading terminals	*E-money loading/unloading terminals* [CT 6].
E-money card payment terminals	*E-money card payment terminals* [CT 6].

Table 11a: Terminals located in the country: increase in the number of terminals

This table is based on CT 6, in that it takes the figures concerning the number of terminals and calculates the year-on-year growth rate.

ATMs	Difference between *ATMs* [CT 6] in the current and previous year, divided by that number for the previous year, in per cent.
POS terminals	Idem for *POS terminals* [CT 6].
E-money loading/unloading terminals	Idem for *e-money loading/unloading terminals* [CT 6].
E-money card payment terminals	Idem for *e-money card payment terminals* [CT 6].

Table 11b: Terminals located in the country: number of terminals per million inhabitants

This table is based on CT 6, in that it takes the number of terminals and divides them by the country's population. It shows the density of terminals, expressed in terms of population, in the different countries.

ATMs	*ATMs* [CT 6] divided by *population*.
POS terminals	Idem for *POS terminals* [CT 6].
E-money loading/unloading terminals	Idem for *e-money loading/unloading terminals* [CT 6].
E-money card payment terminals	Idem for *e-money card payment terminals* [CT 6].

Table 12: Transactions at terminals: number of cash withdrawals and loading transactions

This table is based on CT 7. It gives an indication of the number of transactions conducted at terminals located in and outside the country with cards issued in and outside the country.

Cash withdrawals at ATMs located in the country

with cards issued outside the country	*Transactions at terminals in the country by cards issued outside the country: ATM cash withdrawals* [CT 7].
with cards issued in the country	*Transactions at terminals in the country by cards issued in the country: ATM cash withdrawals* [CT 7].

Cash withdrawals at ATMs located outside the country

with cards issued in the country	*Transactions at terminals outside the country by cards issued in the country: ATM cash withdrawals* [CT 7].

E-money loading/unloading transactions at terminals in the country

with cards issued in the country	*Transactions at terminals in the country by cards issued in the country: e-money loading/unloading transactions* [CT 7].

Table 12a: Transactions at terminals: increase in the number of cash withdrawals and loading transactions

This table is based on CT 7 or on Table 12, in that it takes the figures concerning the use of cards, in volume terms, and calculates the year-on-year growth rate.

Cash withdrawals at ATMs located in the country

with cards issued outside the country	Difference between the number of *transactions at terminals in the country by cards issued outside the country: ATM cash withdrawals* [CT 7] in the current and previous year, divided by that number for the previous year, in per cent.
with cards issued in the country	Idem for *transactions at terminals in the country by cards issued in the country: ATM cash withdrawals* [CT 7].

Cash withdrawals at ATMs located outside the country

with cards issued in the country	Idem for *transactions at terminals outside the country by cards issued in the country: ATM cash withdrawals* [CT 7].

E-money loading/unloading transactions at terminals in the country

with cards issued in the country	Idem for *transactions at terminals in the country by cards issued in the country: e-money loading/unloading transactions* [CT 7].

Table 13: Transactions at terminals: value of cash withdrawals and loading transactions

This table is based on CT 8 (the amounts have been converted to USD using the *average exchange rate* [CT 1]). It gives an indication of the value of card transactions conducted at terminals located in the country, either with cards issued in the country or with cards issued outside the country.

Cash withdrawals at ATMs located in the country

with cards issued outside the country	*Transactions at terminals in the country by cards issued outside the country: ATM cash withdrawals* [CT 8].
with cards issued in the country	*Transactions at terminals in the country by cards issued in the country: ATM cash withdrawals* [CT 8].

Cash withdrawals at ATMs located outside the country

with cards issued in the country	*Transactions at terminals outside the country by cards issued in the country: ATM cash withdrawals* [CT 8].

E-money loading/unloading transactions at terminals in the country

with cards issued in the country	*Transactions at terminals in the country by cards issued in the country: e-money loading/unloading transactions* [CT 8].

Table 13a: Transactions at terminals: increase in the real value of cash withdrawals and loading transactions

This table is based on CT 8 or on Table 13, in that it takes the figures concerning the use of cards, in value terms, and calculates the year-on-year growth rate, deflated by CPI inflation.

Cash withdrawals at ATMs located in the country

with cards issued outside the country	Difference between the value of *transactions at terminals in the country by cards issued outside the country: ATM cash withdrawals* [CT 8] in the current and previous year, divided by that number for the previous year, deflated by *CPI inflation* in the current year [CT 1], in per cent.
with cards issued in the country	Idem for *transactions at terminals in the country by cards issued in the country: ATM cash withdrawals* [CT 8].

Cash withdrawals at ATMs located outside the country

with cards issued in the country	Idem for *transactions at terminals outside the country by cards issued in the country: ATM cash withdrawals* [CT 8].

E-money loading/unloading transactions at terminals in the country

with cards issued in the country	Idem for *transactions at terminals in the country by cards issued in the country: e-money loading/unloading transactions* [CT 8].

Table 14: Transactions at terminals: number of payment transactions

This table is based on CT 7. It gives an indication of card payments conducted at terminals located in the country, either with cards issued in the country or with cards issued outside the country.

POS transactions at terminals located in the country

with cards issued outside the country	*Transactions at terminals in the country by cards issued outside the country: POS payment transactions* [CT 7].
with cards issued in the country	*Transactions at terminals in the country by cards issued in the country: POS payment transactions* [CT 7].

POS transactions at terminals located outside the country

with cards issued in the country	*Transactions at terminals outside the country by cards issued in the country: POS payment transactions* [CT 7].

E-money payment transactions at terminals in the country

with cards issued in the country	*E-money payment transactions by cards with an e-money function* [CT 7].

Table 14a: Transactions at terminals: increase in the number of payment transactions

This table is based on CT 7 or on Table 14, in that it takes the figures concerning the use of payment and e-money cards, in volume terms, and calculates the year-on-year growth rate.

POS transactions at terminals located in the country

with cards issued outside the country	Difference between the number of *transactions at terminals in the country by cards issued outside the country: POS payment transactions* [CT 7] in the current and previous year, divided by that number for the previous year, in per cent.

with cards issued in the country	Idem for *transactions at terminals in the country by cards issued in the country: POS payment transactions* [CT 7].

POS transactions at terminals located outside the country

with cards issued in the country	Idem for *transactions at terminals outside the country by cards issued in the country: POS payment transactions* [CT 7].

E-money payment transactions at terminals in the country

with cards issued in the country	Idem for *transactions e-money payment transactions by cards with an e-money function* [CT 7].

Table 15: Transactions at terminals: value of payment transactions

This table is based on CT 8 (the amounts have been converted to USD using the *average exchange rate* [CT 1]). It gives an indication of the value of card payments conducted at terminals located in the country, either with cards issued in the country or with cards issued outside the country.

POS transactions at terminals located in the country

with cards issued outside the country	*Transactions at terminals in the country by cards issued outside the country: POS payment transactions* [CT 8].
with cards issued in the country	*Transactions at terminals in the country by cards issued in the country: POS payment transactions* [CT 8].

POS transactions at terminals located outside the country

with cards issued in the country	*Transactions at terminals outside the country by cards issued in the country: POS payment transactions* [CT 8].

E-money payment transactions at terminals in the country

with cards issued in the country	*E-money payment transactions by cards with an e-money function* [CT 8].

Table 15a: Transactions at terminals: increase in the real value of payment transactions

This table is based on CT 8 or on Table 15, in that it takes the figures concerning the use of payment and e-money cards, in value terms, and calculates the year-on-year growth rate, deflated by CPI inflation.

POS transactions at terminals located in the country

with cards issued outside the country	Difference between the value of *transactions at terminals in the country by cards issued outside the country: POS payment transactions* [CT 7] in the current and previous year, divided by that number for the previous year, deflated by *CPI inflation* in the current year [CT 1], in per cent.
with cards issued in the country	Idem for *transactions at terminals in the country by cards issued in the country: POS payment transactions* [CT 7].

POS transactions at terminals located outside the country

with cards issued in the country	Idem for *transactions at terminals outside the country by cards issued in the country: POS payment transactions* [CT 7].

E-money payment transactions at terminals in the country

with cards issued in the country	Idem for *e-money payment transactions by cards with an e-money function* [CT 8].

Interbank funds transfer systems (IFTSs)

Table PS1: Features of selected interbank funds transfer systems

Figures are new and are not presented in the CTs. The first category, *System*, is presented in all payment systems (PS) tables.

System	All systems presented in CT 9.
Type	*Large-value payment system* (*L*); *retail payment system* (*R*); *foreign exchange settlement system* (*FX*).
	If the IFTS processes large-value and retail payments

Table TRS4: Participation in selected exchanges and trading systems

Based on CT 14.

Total number of participants	Number of participants in trading systems – total [CT 14].

Table TRS5: Securities listed on selected exchanges and trading systems

Based on CTs 15 and 16.

Number of securities listed	*Total number of securities listed* [CT 15].
Market capitalisation	*Total market capitalisation* [CT 16], converted to USD using the *end-of-year exchange rate* [CT 1].

Table CCP1: Features of selected central counterparties and clearing houses

Figures are new and are not presented in the CTs. The first category, *Entity,* is presented in all CCP tables.

Entity	All CCPs presented in CTs 19–21.
CCP or clearing house	The entity is a central counterparty (*CCP*) or a clearing house (*CH*).
Owner/manager	*Central bank* (*CB*), *commercial banks* (*B*), a *stock exchange* (*SE*), *another CCP* (*CCP*) or *clearing house* (*CH*) or *other* (*O*). If owner and manager differ, both are provided. If (fully or partially) owned by an exchange, a CCP or a clearing house, the name of that entity is provided, as well as the share of its ownership rights.
Relationship with exchange	The CCP belongs to the same entity as the exchange = internal (*int*); is a subsidiary of the exchange = parental (*par*); or is independent from the exchange (*indep*). The name of the CCP is provided.
Relationship with CSD	The CCP belongs to the same entity as the CSD = internal (*int*); is a subsidiary of the CSD = parental (*par*); or is independent from the CSD (*indep*). The name of the CSD is provided.
Intraday margining	*Routine* and/or *event-driven*. When event-driven, price-driven (*P*) or size-driven (*S*).
Products/markets cleared	Securities (*SEC*), derivatives (*DER*) and/or repos (*REP*).
Currencies	ISO code of the cleared currencies.
Securities settlement agent	The securities settlement agent (*CSD* (the name of the CSD is provided), *central bank* (*CB*), *commercial banks* (*B*) or *other* (*O*)) settles the securities leg of the transaction. The information is given per product and per currency.
Cash settlement agent	The cash settlement agent (*central bank* (*CB*), *commercial banks* (*B*) or *other* (*O*)) settles the cash leg of the securities transaction. The information is given per product and per currency.
Links to other CCPs	Such links can be based on *cross-participation* or on *common systems*. The number of links is provided per currency area.

Table CCP2: Transactions cleared by selected central counterparties and clearing houses: number of transactions

Based on CT 20.

Number of transactions	*Total number of transactions* per CCP or clearing house [CT 20].
Increase in the number of transactions	Difference between the *total number of transactions* [CT 20] per CCP or clearing house in the current and previous year, divided by that number for the previous year, in per cent.

Table CCP3: Transactions cleared by selected central counterparties and clearing houses: value of transactions

Based on CTs 20 and 21.

Value of transactions	*Total value of transactions* per CCP or clearing house [CT 21], converted to USD using the *average exchange rate* [CT 1].
Average value per transaction	*Total value of transactions* per CCP or clearing house [CT 21], converted to USD using the *average exchange rate* [CT 1], divided by *total number of transactions* per system [CT 20].
Increase in the real value of transactions	Difference between the *total value of transactions* per system [CT 21] in the current and the previous year, divided by the *total value of transactions* [CT 21] in the previous year, deflated by *CPI inflation* in the current year [CT 1], in per cent.
Value of transactions as a percentage of GDP	*Total value of transactions* CCP or clearing house [CT 21], divided by *GDP* [CT 1], in per cent.

Table CCP4: Participation in selected central counterparties and clearing houses

Based on CT 19.

Total number of participants	Number of participants in CCPs and clearing houses – total [CT 19].

Table CSD1: Features of selected central securities depositories

Figures are new and are not presented in the CTs. The first category, *CSD*, is presented in all central securities depositories (CSDs) tables.

CSD	All CSDs presented in CTs 22–26.
Type of securities held	*Domestic securities* (*DOM*) and/or *international securities* (*INT*). *Bonds* (*B*), *certificates of deposit* (*C*), *government securities* (*G*), *equity* (*E*) and/or *other* (*O*).
Owner/manager	*Central bank* (*CB*), *commercial banks* (*B*), the *stock exchange* (*SE*) or *other* (*O*).
Securities settlement system	Name of the settlement system(s). If more than one system is in operation during the reporting period for the statistical tables, information and data can be sent separately for each settlement system.
Closing time for same day transactions	Latest time of the day at which transactions can be sent to the system for settlement on the same day; in local time.
Links to other CSDs	Such links can be *direct* (based on cross-participation), or *indirect* (through local agents). They can allow *FoP* or *DVP* settlement. The number of links and their category is provided per currency area.

Delivery lag (T+n)	Time lag between entering into a trade/bargain and its discharge by the final exchange of a financial asset for payment.
Intraday finality	Settlement finality achieved continuously or several times throughout the settlement day. Intraday finality can be provided through real-time settlement procedures and/or the settlement of the results of multiple batch processing during the settlement day (*yes* if the system offers intraday finality; *no* otherwise).
DVP (delivery versus payment) mechanism	A link between a securities transfer system and a funds transfer system that ensures that delivery occurs if, and only if, payment occurs. In *DVP model 1*, transfer instructions for both securities and funds are settled on a trade-by-trade basis, with final transfer of securities from the seller to the buyer (delivery) occurring at the same time as final transfer of the funds from the buyer to the seller (payment). In *DVP model 2*, securities transfer instructions are settled on a gross basis, with final transfer of securities from the seller to the buyer (delivery) occurring throughout the processing cycle, but funds transfer instructions are settled on a net basis, with final transfer of the funds from the buyer to the seller (payment) occurring at the end of the processing cycle. In *DVP model 3*, transfer instructions for both securities and funds are settled on a net basis, with final transfer of both securities and funds occurring at the end of the processing cycle.
Currencies	For domestic CSDs, ISO code of the currencies in which settlement can be done; for international CSDs, number of currencies in which settlement can be done.
Cash settlement agent	The cash settlement agent (*central bank* (*CB*), *commercial banks (B), stock exchange* (*SE*) or *other* (the name of the cash settlement agent is provided)) settles the cash leg of the securities transactions. The information is provided per currency, when relevant.

Table CSD2: Transactions processed by selected central securities depositories: number of transactions

Based on CT 25.

Number of transactions	*Total number of transactions* per CSD [CT 25].
Increase in the number of transactions	Difference between the *total number of transactions* [CT 25] per CSD in the current and previous year, divided by that number for the previous year, in per cent.

Table CSD3: Transactions processed by selected central securities depositories: value of transactions

Based on CTs 25 and 26.

Value of transactions	*Total value of transactions* per CSD [CT 26], converted to USD using the *average exchange rate* [CT 1].
Average value per transaction	*Total value of transactions* per CSD [CT 26], converted to USD using the *average exchange rate* [CT 1], divided by *total number of transactions* per CSD [CT 25].
Increase in the real value of transactions	Difference between the *total value of transactions* per CSD [CT 26] in the current and the previous year, divided by the *total value of transactions* [CT 26] in the previous year, deflated by *CPI inflation* in the current year [CT 1], in per cent.

Value of transactions as a percentage of GDP	*Total value of transactions* per CSD [CT 126], divided by *GDP* [CT 1], in per cent.

Table CSD4: Participation in selected central securities depositories

Based on CT 22.

Total number of participants	Number of participants in CSDs – total [CT 22].

Table CSD5: Securities held on account at selected central securities depositories

Based on CTs 23 and 24.

Number of securities held	*Total number of securities held* [CT 23].
Value of securities held	*Total value of securities held* [CT 24], converted to USD using the *average exchange rate* [CT 1].

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

Reserve Bank of Australia	Chris Thompson Jane Yates
National Bank of Belgium	Joel De Gelder Claudine Gouyette Nicole Mommaerts
Central Bank of Brazil	Rafael Neves Marcelo Araujo da Costa
Bank of Canada	Siddharth Untawala Blair Williams
The People's Bank of China	Peng Fei Zhao
European Central Bank	Tiberiu Bodnarescu Benjamin Fuilu Hanna Häkkinen Ioanna Kanioura Jacek Socha
Bank of France	Yann Testard Sylvie Asbiae Emmanuel Ndejoule Mikoda
Deutsche Bundesbank	Doreen Kallenberg Evelyn Schoefer Thomas Kaiser Sabine Noack
Hong Kong Monetary Authority	Osbert K Y Lam Vincent W S Lam
Reserve Bank of India	Nilima Ramteke Shweta Kumari
Bank of Italy	Luca Arciero Luca M F Colantoni Paolemilio Feleppa Stefania Matteucci
Bank of Japan	Shuji Kobayakawa Hiroaki Nyuba Yudai Hatayama
Bank of Korea	Hyun Joo Na
Bank of Mexico	Luis Lima Gómez Jorge González Palacios Alberto Mendoza Hernandez Othón Martino Moreno González Daniel Garrido Delgadillo
Netherlands Bank	Jan Bartman Judith Looman Odette Verlee Gwan Tjia Iris Olde Rikkert
Bank of Russia	Elena Pak Tatiana Mazgushina

Saudi Arabian Monetary Agency	Faraj Al-Enezi Hereibi Al-Enezi
Monetary Authority of Singapore	Beng Chun Tan Tze Hon Lau
South African Reserve Bank	Darren Chamberlain
Sveriges Riksbank	Sara Edholm
Swiss National Bank	David Maurer Simone Saupe
Central Bank of the Republic of Turkey	Emre Karpuz Ayse Dagistan Zehra Cavusoglu Adiguzel Betul Uzer
Bank of England	George Barton
Board of Governors of the Federal Reserve System	Daniel Ebanks Krzysztof Wozniak
Bank for International Settlements	Cristina Picillo Hubert Bunner Christian Dembiermont Tracy Chan Byeungchun Kwon

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