BANK FOR INTERNATIONAL SETTLEMENTS

Report Forms for the
Triennial Central Bank Survey
of Foreign Exchange and Derivatives Market Activity

FR 3036 Central Bank Survey of
Foreign Exchange and Derivatives Market Activity

April 2013

Table A1

Central Bank Survey of Foreign Exchange and Derivatives Market Activity
FOREIGN EXCHANGE CONTRACTS [1]
Turnover in nominal or notional principal amounts in April 2013
(in millions of USD)

Instruments	USD against																						
	AUD	BRL	CAD	CHF	CNY	EUR	GBP	HKD	INR	JPY	KRW	MXN	NOK	NZD	PLN	RUB	SEK	SGD	TRY	TWD	ZAR	Other [2]	TOT
SPOT [3]																							
with reporting dealers	334,715	32,056	267,783	122,248	9,582	1,153,179	338,304	21,468	6,029	1,077,983	6,563	282,632	15,187	65,376	3,771	16,086	18,568	34,028	23,188	1,423	35,595	59,392	3,925,154
local	91,487	5,815	71,730	32,188	1,262	336,664	95,889	4,611	900	300,366	1,099	155,453	3,326	18,243	730	4,988	4,259	8,376	5,295	274	10,142	9,590	1,162,684
cross-border	243,228	26,241	196,053	90,060	8,320	816,515	242,415	16,857	5,129	777,617	5,464	127,179	11,861	47,133	3,041	11,098	14,309	25,652	17,893	1,149	25,453	49,802	2,762,470
with other financial institutions	649,575	35,977	467,517	230,352	8,935	2,111,113	719,362	35,211	6,320	1,922,482	5,485	331,213	36,078	130,327	11,732	49,846	49,089	53,307	53,652	2,806	65,867	98,641	7,074,887
local	363,216	6,701	250,563	116,090	1,946	915,940	409,783	17,877	993	837,458	1,992	125,910	22,355	71,255	6,505	9,253	28,859	22,597	21,312	745	22,794	41,411	3,295,555
cross-border	286,359	29,276	216,954	114,262	6,989	1,195,174	309,579	17,334	5,327	1,085,024	3,493	205,303	13,723	59,072	5,227	40,593	20,230	30,710	32,340	2,061	43,073	57,230	3,779,333
non-reporting banks	283,107	13,890	198,706	114,376	3,696	1,167,744	292,997	19,966	1,628	946,341	1,457	141,561	14,532	54,825	2,579	38,264	18,845	23,883	24,676	635	24,264	35,336	3,423,309
institutional investors	77,312	3,561	73,301	39,223	1,851	329,242	100,065	5,725	936	354,698	1,325	54,639	3,790	16,994	2,140	7,515	7,023	9,757	8,977	851	10,692	32,183	1,141,800
hedge funds and proprietary trading firms	251,128	3,460	164,999	61,361	2,154	461,851	286,533	5,755	60	490,725	391	110,764	15,061	49,105	6,539	438	18,313	17,328	17,313	0	26,881	19,462	2,009,621
official sector financial institutions	2,844	3,363	4,697	1,841	266	14,698	4,830	1,304	404	10,419	1,169	1,846	271	563	27	45	197	575	355	546	255	2,186	52,701
others	29,418	7,325	21,167	12,443	758	119,716	30,356	1,680	770	96,108	786	18,743	2,251	7,931	407	2,910	2,977	1,114	1,975	689	2,944	6,323	368,791
undistributed	5,766	4,378	4,647	1,108	210	17,862	4,581	781	2,522	24,191	357	3,660	173	909	40	674	1,734	650	356	85	831	3,151	78,666
with non-financial customers	37,622	2,252	29,961	13,247	3,525	162,207	38,269	6,258	1,086	70,788	949	21,900	3,383	7,278	2,916	9,554	3,408	5,873	4,424	248	7,900	24,789	457,837
local	*20,814*	*2,095*	*17,342*	*5,902*	*1,868*	*82,050*	*19,579*	*2,404*	*901*	*49,026*	*838*	*15,376*	*2,572*	*4,889*	*1,870*	*263*	*2,417*	*2,909*	*1,287*	*149*	*4,524*	*6,313*	245,388
cross-border	16,808	157	12,619	7,345	1,657	80,157	18,690	3,854	185	21,762	111	6,524	811	2,389	1,046	9,291	991	2,964	3,137	99	3,376	18,476	212,449
TOTAL SPOT	1,021,912	70,285	765,261	365,847	22,042	3,426,499	1,095,935	62,937	13,435	3,071,253	12,997	635,745	54,648	202,981	18,419	75,486	71,065	93,208	81,264	4,477	109,362	182,822	11,457,876
o/w prime brokered	*473,453*	*14,528*	*299,068*	*158,017*	*6,462*	*1,368,274*	*499,021*	*8,438*	*5,198*	*1,324,784*	*3,271*	*160,000*	*28,746*	*106,007*	*9,534*	*59,123*	*37,105*	*38,676*	*32,024*	*1,166*	*57,091*	*32,340*	*4,722,326*
o/w retail-driven	*7,494*	*9*	*27,870*	*4,530*	*1,084*	*58,983*	*6,184*	*3,109*	*7*	*62,813*	*1*	*14,618*	*595*	*933*	*75*	*327*	*1,308*	*1,217*	*128*	*0*	*1,240*	*919*	*193,443*
OUTRIGHT FORWARDS [4]																							
with reporting dealers	56,590	197,609	59,348	36,818	37,863	189,078	80,398	3,449	40,807	129,074	37,273	33,950	48,149	19,250	5,763	16,818	13,624	55,938	12,054	14,260	12,083	258,075	1,358,265
local	9,774	27,572	12,538	4,671	3,717	48,256	13,308	611	6,237	39,725	5,762	6,364	2,824	2,973	2,385	1,808	1,787	3,133	1,790	2,253	2,338	37,152	236,972
cross-border	46,816	170,037	46,810	32,147	34,146	140,822	67,090	2,838	34,570	89,349	31,511	27,586	45,325	16,277	3,378	15,010	11,837	52,805	10,264	12,007	9,745	220,923	1,121,293
with other financial institutions	186,906	161,122	186,762	73,124	25,802	571,218	261,742	14,758	43,353	401,095	36,319	118,640	35,541	59,498	14,892	31,626	38,533	33,799	35,322	17,003	29,601	284,644	2,661,300
local	125,764	43,805	97,898	35,174	6,516	372,010	181,621	11,122	17,535	238,626	15,743	42,919	16,473	32,995	7,744	13,203	21,436	20,695	17,607	5,751	19,036	147,625	1,491,298
cross-border	61,142	117,317	88,864	37,950	19,286	199,208	80,121	3,636	25,818	162,469	20,576	75,721	19,068	26,503	7,148	18,423	17,097	13,104	17,715	11,252	10,565	137,019	1,170,002
non-reporting banks	25,647	78,201	24,640	8,166	11,621	78,535	28,949	4,726	16,388	82,697	14,674	33,911	5,420	11,470	1,700	5,141	4,914	13,014	7,283	6,769	5,174	140,382	609,422
institutional investors	40,903	19,861	58,127	26,780	6,366	178,233	79,818	6,349	9,970	110,555	8,050	24,654	5,137	10,465	3,090	14,588	8,351	8,379	10,717	3,825	5,200	52,899	692,316
hedge funds and proprietary trading firms	111,227	51,337	89,294	31,012	5,814	279,873	133,958	2,406	11,167	175,066	11,840	46,921	20,149	33,555	8,992	10,451	22,677	10,913	16,130	4,898	18,068	77,089	1,172,837
official sector financial institutions	2,324	4,548	6,018	2,281	608	12,138	8,799	817	2,806	6,330	653	1,121	398	1,072	227	421	673	507	147	365	490	5,287	58,030
others	6,752	2,579	8,082	4,543	1,253	22,352	10,036	212	2,676	23,438	853	9,544	1,668	2,923	551	993	1,704	635	603	603	584	8,404	110,988
undistributed	53	4,596	601	342	140	87	182	248	346	3,009	249	2,489	2,769	13	332	32	214	351	442	543	85	583	17,708
with non-financial customers	38,772	17,182	47,713	11,915	14,219	186,110	36,326	25,502	6,432	62,280	6,961	17,260	6,522	7,102	7,272	7,652	5,370	5,499	5,505	7,006	6,454	37,593	566,647
local	*28,830*	*10,637*	*27,855*	*7,719*	*10,393*	*142,888*	*22,094*	*1,654*	*3,019*	*48,653*	*4,016*	*11,230*	*3,811*	*2,771*	*4,777*	*4,597*	*2,911*	*2,774*	*1,315*	*2,826*	*3,490*	*19,381*	367,641
cross-border	9,942	6,545	19,858	4,196	3,826	43,222	14,232	23,848	3,413	13,627	2,945	6,030	2,711	4,331	2,495	3,055	2,459	2,725	4,190	4,180	2,964	18,212	199,006
TOTAL OUTRIGHT FORWARDS	282,268	375,913	293,823	121,857	77,884	946,406	378,466	43,709	90,592	592,449	80,553	169,850	90,212	85,850	27,927	56,096	57,527	95,236	52,881	38,269	48,138	580,312	4,586,212
o/w prime brokered	*117,469*	*32,138*	*77,205*	*27,552*	*14,690*	*160,306*	*84,682*	*4,105*	*23,829*	*178,157*	*20,562*	*56,847*	*14,954*	*39,785*	*9,197*	*11,571*	*17,655*	*13,351*	*17,533*	*10,695*	*21,018*	*159,646*	*1,112,947*
o/w retail-driven	*892*	*59*	*20,864*	*3,795*	*4,268*	*22,121*	*883*	*387*	*7,179*	*22,326*	*3,104*	*4,828*	*1,478*	*195*	*190*	*1*	*1,466*	*631*	*29*	*1,837*	*1,055*	*4,153*	*101,740*
o/w non-deliverable forwards [5]		265,862			48,622				67,450		66,699					34,437				30,973		286,482	*800,527*
MATURITIES OUTRIGHT FORWARDS																							
seven days or less	122,006	51,255	116,657	50,279	19,097	330,048	133,523	27,921	13,942	231,222	10,507	58,106	57,045	37,499	11,907	8,993	22,774	61,472	15,257	4,284	17,872	223,194	1,624,860
over seven days and up to one year	167,690	340,477	187,037	75,867	54,006	615,423	240,815	15,997	81,298	383,710	74,024	114,432	35,276	51,082	18,374	48,814	36,350	36,643	39,343	35,657	32,217	384,987	3,069,520
over one year	2,346	11,752	2,666	382	8,497	49,191	17,436	402	1,588	17,242	1,784	3,675	714	241	31	97	190	253	70	580	386	9,282	128,805
FOREIGN EXCHANGE SWAPS [6]																							
with reporting dealers	205,369	1,305	394,606	265,645	20,852	873,547	355,763	31,015	223	453,327	652	294,331	50,569	129,391	19,334	4,310	64,070	44,539	20,934	13	44,100	93,436	3,367,326
local	53,236	0	52,308	68,168	555	260,888	67,672	7,207	193	108,631	647	77,335	11,816	53,659	3,313	2,249	14,934	13,048	1,985	3	3,662	25,270	826,774
cross-border	152,133	1,305	342,298	197,477	20,297	612,659	288,091	23,808	30	344,696	5	216,996	38,753	75,732	16,021	2,061	49,136	31,491	18,949	10	40,438	68,166	2,540,552
with other financial institutions	212,292	2,611	380,999	153,006	12,818	1,053,720	384,613	18,806	903	555,502	763	290,295	41,422	61,114	13,892	5,634	65,184	29,805	18,942	165	46,988	86,788	3,436,262
local	101,604	267	142,080	54,958	3,955	405,857	177,409	9,290	2	252,889	82	91,850	8,921	26,854	4,766	1,650	25,716	11,902	5,597	10	18,134	32,387	1,376,180
cross-border	110,688	2,344	238,919	98,048	8,863	647,862	207,202	9,516	901	302,613	681	198,445	32,501	34,260	9,126	3,985	39,468	17,904	13,345	155	28,854	54,401	2,060,082
non-reporting banks	116,516	1,575	222,670	89,226	3,966	611,518	235,041	10,419	889	284,179	699	187,622	26,529	40,613	8,110	4,144	30,303	13,057	9,431	111	10,120	44,258	1,950,995
institutional investors	27,043	141	46,761	16,781	2,522	102,427	32,747	4,396	0	86,339	59	28,423	4,250	5,450	3,289	1,421	6,108	3,972	2,923	45	3,892	18,275	397,261
hedge funds and proprietary trading firms	43,622	488	63,287	30,297	5,930	183,677	94,351	2,452	0	145,643	0	51,620	9,039	12,473	1,661	0	24,725	10,840	5,380	0	32,518	14,643	732,646
official sector financial institutions	3,325	187	7,390	1,466	89	20,925	7,208	813	2	3,754	1	2,303	155	223	120	12	334	939	241	1	119	185	49,792
others	21,096	220	38,330	9,113	308	130,295	12,388	431	12	32,671	4	20,100	463	2,080	612	54	3,445	987	328	8	295	9,145	282,385
undistributed	690	0	2,561	6,123	3	4,878	2,878	295	0	2,916	0	227	986	275	100	3	269	10	639	0	44	282	23,179
with non-financial customers	21,697	80	33,796	18,410	3,701	98,658	44,341	2,020	44	38,189	13	11,932	2,268	4,580	3,645	1,448	4,350	4,100	1,387	58	4,229	12,821	311,767
local	*14,450*	*77*	*15,177*	*13,016*	*199*	*59,781*	*29,956*	*1,109*	*44*	*28,504*	*11*	*7,175*	*1,363*	*2,647*	*684*	*274*	*2,564*	*2,683*	*889*	*54*	*1,127*	*4,669*	186,453
cross-border	7,247	3	18,619	5,394	3,502	38,877	14,385	911	0	9,685	2	4,757	905	1,933	2,961	1,174	1,786	1,417	498	4	3,102	8,152	125,314
TOTAL FOREIGN EXCHANGE SWAPS	439,358	3,996	809,401	437,061	37,371	2,025,925	784,717	51,841	1,170	1,047,018	1,428	596,558	94,259	195,085	36,871	11,392	133,604	78,444	41,263	236	95,317	193,045	7,115,355
o/w prime brokered	*62,940*	*58*	*87,397*	*48,486*	*8,769*	*208,127*	*70,407*	*4,408*	*887*	*225,968*	*346*	*109,944*	*14,214*	*19,911*	*5,281*	*2,487*	*24,255*	*15,348*	*8,233*	*110*	*47,644*	*17,288*	*982,508*
o/w retail-driven	*8,015*	*30*	*102,641*	*13,813*	*1,203*	*171,249*	*12,196*	*4,282*	*0*	*76,914*	*0*	*22,449*	*5,638*	*765*	*7,135*	*116*	*6,515*	*3,309*	*76*	*40*	*4,380*	*12,445*	*453,211*
MATURITIES FOREIGN EXCHANGE SWAPS																							
seven days or less	292,886	34	546,287	351,383	21,983	1,266,757	471,568	37,365	265	627,976	940	477,904	86,118	211,660	29,078	6,525	102,342	63,630	24,574	5	79,629	136,115	4,835,024
over seven days and up to one year	171,115	3,924	241,164	128,884	11,894	848,450	337,947	20,755	1,011	441,423	1,065	156,392	17,650	34,290	10,553	6,600	40,875	26,725	15,764	231	18,672	68,831	2,604,214
over one year	28,593	38	74,258	24,962	4,049	171,605	42,874	927	86	86,249	70	39,597	2,307	2,793	552	516	5,320	1,136	2,909	2	677	13,369	502,890

[1] All transactions involving exposure to more than one currency, whether in interest rates or exchange rates. [2] "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A3 for a more detailed breakdown of total turnover in "other" currencies. [3] Excluding "tomorrow/next day" transactions. [4] Including non-deliverable forwards and other contracts-for-differences. [5] Data should be provided for the "total" column [6] currency pairs as well as for the "other" and "total" column.

Table A2

Central Bank Survey of Foreign Exchange and Derivatives Market Activity
FOREIGN EXCHANGE CONTRACTS [1]
Turnover in nominal or notional principal amounts in April 2013
(in millions of USD)

Instruments	EUR against														JPY against								RESIDUAL [3]	GRAND TOTAL [4]
	AUD	CAD	CHF	CNY	DKK	GBP	HUF	JPY	NOK	PLN	SEK	TRY	Other [2]	TOT	AUD	BRL	CAD	NZD	TRY	ZAR	Other [2]	TOT		
SPOT [5]																								
with reporting dealers	31,297	17,875	76,439	2	5,115	92,065	5,907	219,099	28,567	9,325	34,377	1,404	61,622	583,091	52,687	1	9,375	6,741	29	2,047	42,867	113,746	96,425	4,718,416
local	10,462	3,830	17,189	1	765	20,906	1,710	52,479	7,287	2,308	9,896	554	11,222	138,606	11,386	1	1,619	991	8	35	7,391	21,430	20,813	1,343,533
cross-border	20,835	14,045	59,250	1	4,350	71,159	4,197	166,620	21,280	7,017	24,481	850	50,400	444,485	41,301	0	7,756	5,750	21	2,012	35,476	92,316	75,612	3,374,883
with other financial institutions	52,147	35,885	126,740	7	5,244	141,392	10,510	436,801	44,084	15,923	55,879	3,659	26,747	955,018	87,195	59	10,962	7,672	96	637	47,571	154,194	165,825	8,349,926
local	32,683	15,480	50,267	1	2,079	69,047	2,684	195,043	18,412	4,650	24,133	726	7,153	422,358	31,863	4	6,354	2,955	11	25	13,072	54,285	81,635	3,853,834
cross-border	19,464	20,405	76,473	6	3,165	72,345	7,826	241,758	25,672	11,273	31,746	2,933	19,594	532,660	55,332	55	4,608	4,717	85	612	34,499	99,909	84,190	4,496,093
non-reporting banks	28,668	13,859	61,893	4	4,744	68,708	4,950	194,015	19,996	7,314	25,170	2,875	15,096	447,292	41,410	55	4,780	3,990	75	299	18,827	69,438	59,494	3,999,535
institutional investors	7,184	12,505	31,988	0	230	22,902	1,834	99,479	8,611	2,656	10,198	494	4,067	202,148	29,467	2	1,747	2,008	19	312	20,752	54,307	37,673	1,435,926
hedge funds and proprietary trading firms	14,232	8,063	24,633	0	191	42,563	3,506	118,145	12,985	5,543	16,092	234	4,580	250,767	12,656	0	3,830	1,436	1	14	6,305	24,242	49,465	2,334,095
official sector financial institutions	269	288	424	2	36	776	11	1,122	40	53	232	11	633	3,897	484	0	150	17	0	0	126	777	2,999	60,374
others	1,732	995	7,138	1	30	5,748	182	22,455	2,341	282	3,747	40	1,538	46,229	2,110	0	361	181	0	4	1,519	4,175	14,313	433,512
undistributed	62	175	664	0	13	695	27	1,585	111	75	440	5	833	4,685	1,068	2	94	40	1	8	42	1,255	1,881	86,486
with non-financial customers	1,640	1,501	12,653	4	956	13,793	1,659	10,814	1,468	1,393	3,332	796	7,778	57,788	3,206	0	489	332	0	25	3,771	7,823	34,073	557,520
local	*816*	*588*	*3,585*	*1*	*568*	*8,030*	*33*	*4,686*	*509*	*443*	*2,208*	*171*	*1,175*	*22,814*	*2,789*	*–*	*300*	*204*	*–*	*11*	*2,873*	*6,177*	*12,878*	287,256
cross-border	824	913	9,068	3	388	5,763	1,626	6,128	959	950	1,124	625	6,603	34,974	417	0	189	128	0	14	898	1,646	21,195	270,264
TOTAL SPOT	85,084	55,261	215,832	13	11,315	247,250	18,076	666,714	74,119	26,641	93,588	5,859	96,147	1,595,897	143,088	60	20,826	14,745	125	2,709	94,209	275,763	296,323	13,625,859
o/w prime brokered	*55,227*	*28,797*	*93,716*	*–*	*2,464*	*111,513*	*8,479*	*379,531*	*35,599*	*13,546*	*46,333*	*1,863*	*9,757*	*786,825*	*77,975*	*4*	*10,177*	*7,267*	*21*	*378*	*22,318*	*118,141*	*121,313*	*6,212,934*
o/w retail-driven	*359*	*746*	*4,540*	*0*	*637*	*2,383*	*641*	*7,666*	*1,517*	*438*	*1,846*	*76*	*649*	*21,498*	*3,062*	*0*	*236*	*245*	*0*	*62*	*2,015*	*5,621*	*28,714*	*269,809*
OUTRIGHT FORWARDS [6]																								
with reporting dealers	2,245	1,782	9,864	4	456	41,355	3,590	14,950	2,091	3,415	4,113	567	7,334	91,762	4,571	7,315	1,602	2,466	88	357	5,476	21,873	17,243	1,489,143
local	646	193	1,671	3	11	1,980	580	1,655	458	1,059	902	103	1,588	10,845	1,347	1,516	258	238	6	33	699	4,095	2,860	254,771
cross-border	1,599	1,589	8,193	1	445	39,375	3,010	13,295	1,633	2,356	3,211	464	5,746	80,917	3,224	5,799	1,344	2,228	82	324	4,777	17,778	14,383	1,234,372
with other financial institutions	5,465	13,503	28,252	2	4,345	16,137	6,718	21,666	5,675	6,772	9,883	1,535	15,633	135,586	6,571	878	3,525	2,135	41	36	9,855	23,041	56,338	2,876,265
local	3,753	2,964	15,817	0	4,088	6,991	3,345	11,543	3,661	3,650	6,739	1,083	8,126	71,760	3,014	26	1,634	1,107	0	8	3,151	8,940	28,586	1,600,583
cross-border	1,712	10,539	12,435	2	257	9,146	3,373	10,123	2,014	3,122	3,144	452	7,507	63,826	3,557	852	1,891	1,028	41	28	6,704	14,101	27,752	1,275,682
non-reporting banks	1,040	4,061	4,903	2	3,874	3,287	1,972	5,821	1,347	2,119	2,026	443	6,196	37,091	2,519	873	1,070	955	34	21	3,552	9,023	7,666	663,200
institutional investors	1,707	6,782	7,198	0	168	5,167	1,795	4,509	2,043	2,030	4,174	173	3,232	38,978	1,568	4	1,256	602	7	9	2,928	6,374	16,158	753,827
hedge funds and proprietary trading firms	2,379	2,029	15,486	0	254	4,793	2,692	8,286	2,070	2,489	2,678	906	5,006	49,068	2,144	0	763	465	0	0	1,424	4,797	27,670	1,254,372
official sector financial institutions	206	249	142	0	39	1,933	57	1,290	36	51	158	0	310	4,471	87	1	183	38	0	1	941	1,251	811	64,563
others	120	371	501	0	7	930	75	1,704	171	72	837	13	853	5,654	233	0	248	73	0	5	984	1,543	3,727	121,913
undistributed	13	11	22	0	3	27	127	56	8	11	10	0	36	324	20	0	5	2	0	0	26	53	306	18,391
with non-financial customers	1,095	2,005	3,938	87	4,572	9,766	1,013	3,809	1,041	916	2,734	388	4,096	35,459	1,617	45	952	64	13	35	2,792	5,518	27,144	634,769
local	*552*	*1,057*	*738*	*71*	*629*	*4,587*	*98*	*2,409*	*773*	*237*	*2,077*	*175*	*959*	*14,362*	*1,267*	*–*	*684*	*26*	*13*	*23*	*1,730*	*3,743*	*7,402*	393,148
cross-border	543	948	3,200	16	3,943	5,179	915	1,400	268	679	657	213	3,137	21,097	350	45	268	38	0	12	1,062	1,775	19,742	241,621
TOTAL OUTRIGHT FORWARDS	8,805	17,290	42,054	93	9,373	67,258	11,321	40,425	8,807	11,103	16,730	2,490	27,063	262,807	12,759	8,238	6,079	4,665	142	428	18,123	50,432	100,725	5,000,177
o/w prime brokered	*1,925*	*1,843*	*20,517*	*–*	*424*	*8,400*	*4,915*	*10,014*	*3,960*	*5,040*	*7,847*	*1,422*	*11,267*	*77,574*	*4,306*	*54*	*1,491*	*1,661*	*30*	*53*	*3,422*	*11,017*	*15,806*	*1,273,670*
o/w retail-driven	*711*	*1,241*	*527*	*47*	*13*	*989*	*198*	*919*	*121*	*142*	*174*	*0*	*587*	*5,669*	*5*	*38*	*165*	*30*	*0*	*0*	*24*	*262*	*29,652*	*142,718*
o/w non-deliverable forwards [7]														3,900								9,815	6,125	*820,370*
MATURITIES OUTRIGHT FORWARDS																								
seven days or less	2,747	4,676	12,532	44	8,388	25,810	1,475	14,575	1,639	2,719	4,759	660	7,194	87,218	4,424	19	1,545	2,049	18	80	4,183	12,318	32,511	1,756,906
over seven days and up to one year	6,484	12,690	30,918	51	957	43,038	10,332	26,663	7,578	9,340	12,844	1,843	20,884	183,621	8,409	9,706	4,179	2,014	129	380	14,504	39,321	70,281	3,362,743
over one year	219	116	274	1	39	389	93	842	48	103	28	89	572	2,813	1,272	28	612	840	0	1	134	2,887	792	135,297
FOREIGN EXCHANGE SWAPS [8]																								
with reporting dealers	2,531	10,120	14,833	0	2,025	20,681	828	11,935	1,573	888	2,370	73	4,105	71,957	6,201	0	2,177	938	4	144	5,811	15,273	40,132	3,494,687
local	904	1,245	3,915	0	1,877	7,983	151	2,145	648	130	217	8	904	20,125	1,646	0	277	269	1	64	456	2,711	12,607	862,216
cross-border	1,627	8,875	10,918	0	148	12,698	677	9,790	925	758	2,153	65	3,201	51,832	4,555	0	1,900	669	3	80	5,355	12,562	27,525	2,632,471
with other financial institutions	3,961	7,590	18,004	0	1,314	26,908	3,305	19,353	2,098	2,331	3,325	562	8,487	97,239	7,183	2	2,641	715	50	152	6,801	17,544	88,442	3,639,489
local	1,700	2,656	5,968	0	339	6,650	749	7,213	1,500	751	1,679	100	1,519	30,824	1,415	2	621	283	4	35	2,085	4,445	31,394	1,442,844
cross-border	2,261	4,934	12,036	0	975	20,258	2,556	12,140	598	1,580	1,646	462	6,968	66,415	5,768	0	2,020	432	46	117	4,716	13,099	57,048	2,196,645
non-reporting banks	1,076	2,760	10,222	0	1,108	18,383	2,542	11,150	375	1,528	1,387	473	5,937	56,942	5,349	1	850	253	36	138	3,099	9,726	44,953	2,062,616
institutional investors	1,725	2,011	3,196	0	152	3,489	437	3,175	813	429	1,252	48	1,819	18,547	913	0	1,017	233	14	14	2,180	4,371	14,356	434,535
hedge funds and proprietary trading firms	667	1,463	3,653	0	34	3,288	175	3,781	845	300	545	30	399	15,180	437	0	273	143	0	0	1,253	2,106	26,213	776,144
official sector financial institutions	50	167	155	0	5	525	19	144	19	16	42	0	53	1,195	41	0	129	2	0	0	66	238	424	51,650
others	399	1,153	744	0	3	1,198	84	908	19	20	63	11	160	4,762	371	0	353	78	0	0	157	959	2,336	290,442
undistributed	44	36	34	0	12	25	48	195	27	38	36	0	119	613	72	1	19	6	0	0	46	144	160	24,095
with non-financial customers	1,595	5,651	4,028	0	1,577	7,396	1,442	5,173	3,463	1,185	1,650	337	3,090	36,588	552	0	348	71	2	51	1,919	2,943	16,317	367,616
local	*745*	*939*	*737*	*–*	*3*	*1,959*	*29*	*2,483*	*27*	*157*	*1,050*	*19*	*949*	*9,097*	*121*	*–*	*23*	*11*	*2*	*12*	*413*	*582*	*2,511*	198,643
cross-border	850	4,712	3,291	0	1,574	5,437	1,413	2,690	3,436	1,028	600	318	2,141	27,491	431	0	325	60	0	39	1,506	2,361	13,806	168,973
TOTAL FOREIGN EXCHANGE SWAPS	8,087	23,361	36,865	–	4,916	54,985	5,575	36,461	7,134	4,404	7,345	972	15,682	205,784	13,936	2	5,166	1,724	56	347	14,531	35,760	144,891	7,501,792
o/w prime brokered	*1,826*	*2,077*	*15,866*	*–*	*869*	*17,022*	*1,261*	*11,392*	*1,494*	*532*	*3,189*	*231*	*2,983*	*58,742*	*6,929*	*–*	*1,645*	*885*	*2*	*91*	*2,993*	*12,545*	*5,358*	*1,059,153*
o/w retail-driven	*362*	*2,479*	*2,471*	*0*	*32*	*2,102*	*662*	*897*	*402*	*857*	*875*	*4*	*599*	*11,742*	*281*	*0*	*16*	*0*	*0*	*0*	*40*	*337*	*84,839*	*550,129*
MATURITIES FOREIGN EXCHANGE SWAPS																								
seven days or less	4,651	10,684	19,114	0	5,810	27,447	3,157	17,956	3,579	1,459	3,217	271	5,895	103,241	10,696	0	1,530	1,369	38	194	4,480	18,307	56,199	5,012,768
over seven days and up to one year	4,004	13,208	19,564	0	923	27,039	2,175	17,740	4,029	2,176	3,960	681	10,290	105,790	3,742	2	3,781	575	17	209	10,047	18,373	99,974	2,828,350
over one year	336	713	2,101	0	59	8,482	394	2,909	173	899	384	28	400	16,878	1,144	0	131	48	1	7	459	1,790	1,324	522,884

[1] All transactions involving exposure to more than one currency, whether in interest rates or exchange rates. [2] "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A3 for a more detailed breakdown of total turnover in "other" currencies. [3] "Residual" covers all currency pairs except those involving the domestic currency, the USD, the EUR, and the JPY. [4] Covers the sum of the totals in tables A1, A2, and the column "Residual". [5] Excluding "tomorrow/next day" transactions. [6] Including non-deliverable forwards and other contracts-for-differences. [7] Data should only be provided for the "total" columns. [8] A swap is considered to be a single transaction in that the two legs are not counted separately

Table A3

Central Bank Survey of Foreign Exchange and Derivatives Market Activity
FOREIGN EXCHANGE CONTRACTS [1]
Turnover in nominal or notional principal amounts in April 2013
(in millions of USD)

Instruments	Total turnover in listed currencies against all other currencies [2]																																							
	ARS	AUD	BGN	BHD	BRL	CAD	CHF	CLP	CNY	COP	CZK	DKK	GBP	HKD	HUF	IDR	ILS	INR	KRW	LTL	LVL	MXN	MYR	NOK	NZD	PEN	PHP	PLN	RON	RUB	SAR	SEK	SGD	THB	TRY	TWD	ZAR	Other
SPOT [3]																																								
with reporting dealers	82	39,656	70	57	395	21,274	15,318	2,926	347	244	2,329	2,854	47,519	1,359	1,569	476	1,297	82	604	57	52	8,877	2,498	6,234	19,451	614	558	473	774	394	88	7,379	3,922	1,556	893	63	2,086	65,890
local	3	5,627	17	2	43	3,661	2,622	187	4	27	430	211	8,940	43	460	70	327	3	3	2	2	1,331	171	917	4,699	99	43	87	106	103	20	806	217	252	106	5	173	17,209
cross-border	79	34,029	53	55	352	17,613	12,696	2,739	343	217	1,899	2,643	38,579	1,316	1,109	406	970	79	601	55	50	7,546	2,327	5,317	14,752	515	515	386	668	291	68	6,573	3,705	1,304	787	58	1,913	48,681
with other financial institutions	68	44,634	43	51	2,763	34,491	18,390	3,822	828	324	5,752	2,786	44,429	2,291	4,308	688	3,045	484	479	45	30	9,722	857	9,491	25,718	679	269	409	554	563	53	12,507	1,694	1,939	1,016	316	1,518	101,730
local	10	27,362	6	9	70	14,809	9,725	559	184	100	3,848	1,286	18,831	705	3,097	275	1,917	49	49	5	3	2,622	223	5,699	16,130	112	146	132	126	104	8	5,621	558	563	366	23	269	27,602
cross-border	58	17,272	37	42	2,623	19,682	8,665	3,263	644	224	1,904	1,500	25,598	1,586	1,211	413	1,128	435	430	40	27	7,100	634	3,792	9,588	567	123	277	428	459	45	6,886	1,136	1,376	650	293	1,249	74,128
non-reporting banks	14	10,514	16	8	1,740	7,447	6,631	2,941	509	99	1,602	1,651	12,523	1,551	727	55	791	209	187	0	0	6,811	97	4,164	6,688	414	0	168	333	342	0	0	660	349	692	113	1,118	57,589
institutional investors	10	11,141	10	17	287	18,383	5,666	213	25	82	597	559	16,947	405	410	361	244	70	16	15	10	657	530	938	6,993	65	106	58	102	20	15	7,630	479	1,193	111	19	136	20,155
hedge funds and proprietary trading firms	8	18,969	8	12	364	5,876	4,736	9	9	11	3,433	461	11,616	111	3,031	30	1,894	8	11	11	7	866	16	3,836	10,276	9	31	65	49	10	12	4,097	358	202	19	10	49	9,286
official sector financial institutions	4	358	3	6	229	546	130	189	72	23	13	28	382	94	14	129	26	60	117	5	3	251	87	27	113	16	37	11	7	31	5	42	22	82	40	48	37	2,655
others	13	2,454	2	3	75	1,281	1,007	411	113	36	31	44	2,439	62	56	31	22	85	57	3	2	1,044	66	426	1,278	116	25	39	4	85	3	411	62	38	84	47	135	11,603
undistributed	19	1,198	4	5	68	960	220	59	100	73	73	43	522	68	70	82	68	52	91	11	8	93	61	100	370	59	70	68	59	75	18	327	113	75	70	79	43	433
with non-financial customers	31	5,859	43	14	3,678	19,350	2,273	119	471	96	1,710	575	13,327	430	762	77	786	215	42	21	16	1,160	144	809	2,992	54	76	120	112	118	68	3,089	1,639	300	675	34	313	8,809
local	11	1,337	32	9	24	1,832	1,413	56	263	68	394	325	10,162	73	334	51	564	165	32	13	7	133	106	304	1,249	34	56	51	20	86	25	159	101	110	47	22	29	3,543
cross-border	22	4,524	12	8	3,657	17,521	857	62	208	25	1,316	253	3,162	362	431	24	224	51	9	8	9	1,026	34	502	1,745	19	18	68	94	28	43	2,930	1,538	189	627	12	289	5,266
TOTAL SPOT	182	90,149	157	122	6,836	75,117	35,981	6,867	1,646	664	9,791	6,215	105,277	4,080	6,639	1,241	5,128	781	1,129	123	98	19,759	3,499	16,536	48,165	1,347	903	998	1,440	1,075	209	22,976	7,255	3,794	2,584	413	3,917	176,424
o/w prime brokered	70	60,476	46	62	16	34,432	20,568	2,172	8	199	7,814	1,729	48,183	76	6,196	1,006	4,026	68	65	25	2	2,262	3,423	12,887	45,914	707	350	202	219	339	87	11,103	741	697	65	25	528	41,952
o/w retail-driven	1	1,129	106	95	90	1,202	734	163	106	92	1,185	434	3,988	221	445	102	547	48	81	51	60	2,341	46	197	2,729	54	121	140	110	135	65	517	781	838	20	28	64	41,991
OUTRIGHT FORWARDS [4]																																								
with reporting dealers	615	11,376	86	64	2,312	10,377	16,901	33,710	1,636	21,257	3,016	1,556	22,780	476	2,219	6,032	651	665	836	72	83	2,757	11,097	6,045	7,882	5,414	4,870	1,050	1,558	592	82	1,580	30,156	3,182	2,210	314	848	71,779
local	96	1,143	4	5	420	341	273	2,077	98	2,632	756	181	528	97	685	826	282	54	36	2	4	641	1,514	469	757	512	528	64	166	134	4	190	1,209	569	46	31	28	24,905
cross-border	519	10,233	82	59	1,892	10,036	16,628	31,633	1,538	18,625	2,260	1,375	22,252	379	1,534	5,206	369	611	800	70	79	2,116	9,583	5,576	7,125	4,902	4,342	986	1,392	458	78	1,390	28,947	2,613	2,164	283	820	46,874
with other financial institutions	594	11,588	69	44	2,645	18,251	9,757	18,894	1,389	13,055	7,839	2,394	15,839	1,168	7,659	6,049	3,442	856	1,484	72	61	5,562	7,048	2,721	9,062	2,928	4,435	510	1,711	1,397	64	9,528	5,330	6,431	1,660	1,463	2,349	181,126
local	348	5,475	7	8	1,360	4,516	1,839	7,397	243	3,489	5,235	1,703	6,203	590	5,145	2,305	2,441	212	653	11	11	2,033	2,864	1,205	5,953	1,258	1,844	270	578	361	9	1,019	3,698	2,399	534	254	343	113,675
cross-border	256	6,120	56	32	1,287	13,738	7,913	11,494	1,146	9,563	2,607	694	9,635	576	2,514	3,744	1,005	641	831	55	45	3,529	4,184	1,516	3,114	1,665	2,591	242	1,133	1,036	50	8,507	1,634	4,031	1,126	1,205	2,008	67,459
non-reporting banks	297	4,405	31	8	1,841	3,074	1,788	12,871	426	9,526	3,225	792	8,319	364	2,924	3,484	1,084	342	405	12	11	3,031	3,205	1,046	4,881	1,769	2,367	135	1,028	840	17	879	3,355	2,307	1,073	737	1,470	74,434
institutional investors	56	2,041	7	6	220	10,620	5,360	1,716	52	1,285	946	670	2,923	517	645	1,105	354	75	236	11	10	328	1,387	563	947	364	660	195	262	156	8	6,886	459	2,548	344	108	507	30,635
hedge funds and proprietary trading firms	202	4,291	11	10	352	2,785	1,330	2,700	128	1,904	3,608	748	1,797	173	3,959	1,282	1,950	81	520	16	9	1,207	2,263	946	2,755	582	1,327	48	352	290	13	1,598	1,347	1,406	97	33	209	68,860
official sector financial institutions	11	167	10	9	89	695	307	797	392	48	17	77	1,321	67	69	38	16	257	166	16	14	421	123	38	121	66	25	65	20	30	13	48	48	63	26	324	59	1,276
others	8	622	4	3	121	1,051	944	789	361	275	27	78	1,425	28	48	113	26	75	144	5	5	560	54	108	315	126	40	44	26	66	4	96	97	64	45	218	68	5,883
undistributed	16	57	15	14	22	21	27	24	28	17	16	29	52	19	18	22	14	26	13	12	18	15	16	20	43	16	14	23	20	15	17	21	22	43	75	43	37	31
with non-financial customers	132	2,223	53	18	928	14,934	1,164	1,991	298	852	1,317	1,731	8,147	2,121	1,544	773	770	251	48	19	11	1,650	2,006	585	991	186	1,210	182	514	375	48	2,689	735	1,272	78	273	898	18,610
local	93	1,434	24	8	344	1,132	658	778	232	543	334	626	5,023	87	401	259	455	221	22	10	6	463	1,149	340	670	92	563	65	284	44	30	191	158	389	33	235	76	12,000
cross-border	39	789	29	10	584	13,802	506	1,213	66	309	983	1,105	3,124	2,034	1,143	514	315	30	26	9	5	1,187	857	245	321	94	647	117	230	331	18	2,498	577	883	45	38	822	6,610
TOTAL OUTRIGHT FORWARDS	1,334	25,180	214	129	5,885	43,552	27,827	54,593	3,323	35,164	12,172	5,681	46,766	3,765	11,422	12,854	4,863	1,772	2,368	169	161	9,969	20,151	9,351	17,935	8,528	10,515	1,742	3,783	2,364	195	13,797	36,221	10,885	3,948	2,050	4,095	271,514
o/w prime brokered	274	6,283	74	51	437	2,878	2,718	7,624	78	17,096	7,511	675	2,812	32	8,224	3,972	3,799	79	499	33	22	2,325	9,967	1,849	5,490	1,806	4,048	168	780	1,661	80	1,425	3,126	3,550	123	125	1,417	113,056
o/w retail-driven	75	656	47	58	56	2,967	624	123	30	8	356	607	1,275	417	186	1,691	8	135	127	95	44	1,379	1,955	295	620	8	1,048	121	119	89	54	1,313	540	447	178	273	251	46,059
o/w non-deliverable forwards [5]																																								
MATURITIES OUTRIGHT FORWARDS																																								
seven days or less	139	14,117	91	75	299	19,651	14,566	5,223	947	5,273	3,402	4,219	27,344	3,172	2,828	173	1,782	293	269	94	87	3,745	2,088	6,529	13,871	942	252	1,064	576	1,065	120	1,683	33,182	4,420	2,975	964	2,452	119,621
over seven days and up to one year	1,403	15,499	118	39	6,609	29,856	16,419	56,637	2,602	34,405	11,402	2,695	26,662	1,662	11,160	14,954	4,202	1,718	2,369	50	49	8,319	21,863	4,258	7,031	8,716	12,097	908	3,873	1,788	69	14,821	7,186	8,639	1,399	1,404	2,360	215,696
over one year	75	107	45	38	322	3,511	101	652	303	1,901	57	76	228	46	59	193	38	85	65	50	47	233	325	67	83	263	161	48	61	44	45	75	67	94	40	61	66	1,840
FOREIGN EXCHANGE SWAPS [6]																																								
with reporting dealers	35	13,081	49	35	28	11,775	13,543	366	123	205	4,166	9,490	6,362	159	3,756	21	1,525	32	23	29	25	3,541	29	276	23,347	36	27	154	509	191	37	1,406	532	704	97	34	134	47,612
local	1	4,660	17	1	1	1,149	6,073	1	1	1	328	1,298	373	54	620	1	274	1	1	1	1	133	1	11	9,239	1	1	48	96	87	1	129	109	139	16	1	10	14,370
cross-border	34	8,421	32	34	27	10,626	7,470	365	122	204	3,838	8,192	5,989	105	3,136	20	1,251	31	22	28	24	3,408	28	265	14,108	35	26	106	413	104	36	1,277	423	565	81	33	124	33,242
with other financial institutions	40	8,905	47	42	711	21,821	5,048	397	199	227	2,272	9,682	9,759	728	4,423	167	1,752	41	50	31	29	17,007	202	726	10,264	161	45	324	342	211	53	3,914	902	805	112	31	232	88,815
local	12	3,252	14	5	46	6,080	1,717	12	119	6	1,344	6,840	3,329	322	2,254	3	1,273	3	14	6	3	5,074	6	272	4,681	7	6	26	105	30	3	1,682	420	390	54	7	44	27,923
cross-border	28	5,653	33	37	665	15,741	3,331	385	80	221	928	2,842	6,430	406	2,169	164	479	38	36	25	26	11,933	196	454	5,583	154	39	298	237	181	50	2,232	482	415	58	24	188	60,892
non-reporting banks	1	4,884	1	28	153	15,279	2,021	329	91	167	809	6,691	4,173	18	1,882	116	1,192	10	1	14	5	13,712	162	171	8,840	79	7	224	118	129	15	222	155	320	71	6	115	36,042
institutional investors	8	1,827	10	5	6	2,654	1,257	10	44	17	545	1,292	2,943	376	933	11	181	9	11	8	8	1,370	8	123	858	21	11	43	105	59	8	172	378	187	27	4	37	21,065
hedge funds and proprietary trading firms	15	1,734	18	7	501	2,261	1,587	17	30	16	888	918	2,321	299	1,573	19	356	9	19	6	6	470	15	397	458	18	14	30	98	12	15	3,204	345	285	8	9	59	24,469
official sector financial institutions	1	44	2	2	20	297	9	1	3	2	2	15	25	4	4	2	2	1	2	1	1	147	1	3	4	2	2	1	2	1	1	20	4	1	1	1	1	97
others	2	380	2	2	23	1,308	144	24	2	13	9	744	275	14	24	2	10	3	2	1	1	1,287	2	11	83	26	2	15	2	1	1	258	11	2	4	1	4	7,103
undistributed	13	36	14	6	8	22	30	16	29	12	19	17	22	17	7	17	11	13	15	3	9	16	14	21	21	15	10	11	17	9	13	38	11	10	3	12	14	34
with non-financial customers	16	2,593	23	15	137	8,927	1,410	32	211	126	1,063	835	3,503	365	615	11	695	42	15	14	19	1,474	22	409	490	12	12	292	215	86	25	1,738	780	208	31	12	169	7,503
local	9	746	9	10	13	1,305	234	20	10	104	423	668	529	66	205	5	391	32	9	7	9	420	12	234	274	5	8	18	136	72	16	625	313	124	10	6	49	1,416
cross-border	7	1,847	14	5	124	7,622	1,176	12	201	22	640	167	2,974	299	410	6	304	10	6	7	10	1,054	10	175	216	7	4	274	79	14	9	1,113	467	84	21	6	120	6,087
TOTAL FOREIGN EXCHANGE SWAPS	91	24,579	119	92	876	42,523	20,001	795	533	558	7,501	20,007	19,624	1,252	8,794	199	3,972	115	88	74	73	22,022	253	1,411	34,101	209	84	770	1,066	488	115	7,058	2,214	1,717	240	77	535	143,930
o/w prime brokered	1	2,538	17	69	9	1,477	2,117	108	44	700	1,359	2,497	3,802	229	5,387	219	1,147	50	40	4	35	1,457	355	929	1,194	11	6	123	305	178	60	1,049	567	512	7	34	181	5,163
o/w retail-driven	118	360	30	116	190	5,201	799	30	29	148	2,552	10,003	362	340	8,760	139	166	138	106	24	76	1,951	24	559	1,819	91	109	122	216	95	123	3,020	845	612	41	101	29	143,318
MATURITIES FOREIGN EXCHANGE SWAPS																																								
seven days or less	28	24,015	63	33	85	16,565	23,571	48	49	37	4,548	14,632	7,092	292	4,759	48	2,412	29	28	26	24	11,156	101	357	47,911	32	29	359	534	253	41	874	538	610	50	28	122	97,509
over seven days and up to one year	81	15,225	106	75	1,180	44,644	10,865	1,034	513	656	4,894	10,902	20,544	1,527	7,995	222	3,350	115	78	59	63	20,185	247	1,637	9,637	247	70	788	932	526	104	9,351	2,717	1,865	258	61	625	115,738
over one year	19	490	18	21	17	589	317	19	198	90	1,246	3,778	509	60	270	18	149	20	19	18	16	473	19	43	194	22	20	19	132	16	18	52	43	97	46	20	27	7,758

[1] All transactions involving exposure to more than one currency, whether in interest rates or exchange rates. [2] Only transactions which are included in the columns "other" in tables A1, A2, and "residual" in table A2 . Trades involving the domestic currency, the USD, the EUR or the JPY in one leg, and any of the currencies listed in this table in the other leg, should be allocated to the relevant currency column in this table once; these deals should correspond to the ones reported in columns "other" of tables A1 and A2. Trades between any two currencies listed in this table should be reported in both relevant currency columns, thus summing to 200% of the deal; these trades should correspond to the ones reported in column "residual" in table A2. **Currencies subject to compulsory reporting have been marked in blue**. [3] Excluding "tomorrow/next day" transactions. [4] Including non-deliverable forwards and other contracts-for-differences. [5] Data should only be provided for the "total" column. [6] A swap is considered to be a single transaction in that the two legs are not counted separately. Includes "tomorrow/next day" transactions.

Table A4

Central Bank Survey of Foreign Exchange and Derivatives Market Activity
FOREIGN EXCHANGE CONTRACTS [1]
Turnover in nominal or notional principal amounts in April 2013
(in millions of USD)

Instruments	USD against																						
	AUD	BRL	CAD	CHF	CNY	EUR	GBP	HKD	INR	JPY	KRW	MXN	NOK	NZD	PLN	RUB	SEK	SGD	TRY	TWD	ZAR	Other [2]	TOT
CURRENCY SWAPS [3]																							
with reporting dealers	1,067	240	7,302	677	0	10,295	2,516	0	5	13,700	0	7,094	0	854	0	0	107	0	0	0	61	5,071	48,988
local	533	139	945	175	0	1,783	3	0	5	525	0	1,034	0	0	0	0	0	0	0	0	0	4,719	9,860
cross-border	534	101	6,357	502	0	8,512	2,513	0	0	13,175	0	6,060	0	854	0	0	107	0	0	0	61	352	39,128
with other financial institutions	1,297	1,525	12,824	214	170	7,291	1,038	0	10	8,304	0	5,080	0	0	0	27	0	0	0	0	0	3,173	40,953
local	241	0	320	54	0	2,536	56	0	0	1,113	0	2,125	0	0	0	0	0	0	0	0	0	216	6,661
cross-border	1,056	1,525	12,504	160	170	4,755	982	0	10	7,191	0	2,955	0	0	0	27	0	0	0	0	0	2,957	34,292
non-reporting banks	731	1,439	11,587	214	170	4,104	783	0	10	8,098	0	2,377	0	0	0	0	0	0	0	0	0	2,841	32,354
institutional investors	0	0	162	0	0	1,303	25	0	0	0	0	206	0	0	0	0	0	0	0	0	0	41	1,737
hedge funds and proprietary trading firms	566	0	19	0	0	1,281	0	0	0	0	0	227	0	0	0	27	0	0	0	0	0	2	2,122
official sector financial institutions	0	0	0	0	0	4	0	0	0	101	0	1,302	0	0	0	0	0	0	0	0	0	0	1,407
others	0	0	1,056	0	0	599	230	0	0	105	0	968	0	0	0	0	0	0	0	0	0	289	3,247
undistributed	0	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86
with non-financial customers	0	50	286	43	0	1,728	301	0	0	835	0	957	0	0	0	0	0	0	0	0	0	246	4,446
local	0	0	151	43	0	270	0	0	0	767	0	334	0	0	0	0	0	0	0	0	0	112	1,677
cross-border	0	50	135	0	0	1,458	301	0	0	68	0	623	0	0	0	0	0	0	0	0	0	134	2,769
TOTAL CURRENCY SWAPS	2,364	1,815	20,412	934	170	19,314	3,855	0	15	22,839	0	13,131	0	854	0	27	107	0	0	0	61	8,490	94,387
o/w prime brokered	0	66	8,396	0	0	200	0	0	0	575	0	2,488	0	0	0	0	0	0	0	0	61	89	11,875
o/w retail-driven	0	0	381	0	0	425	230	0	0	303	0	1,097	0	0	0	0	0	0	0	0	0	0	2,436
OTC OPTIONS [4]																							
Sold																							
with reporting dealers	14,977	33,167	11,515	2,421	5,299	33,158	17,809	44	2,300	77,262	1,756	20,826	171	1,843	127	1,122	312	1,066	1,096	687	480	2,553	229,986
local	2,968	6,888	1,931	434	624	2,998	1,385	0	650	18,273	677	2,690	36	611	0	13	134	157	106	338	46	817	41,771
cross-border	12,009	26,279	9,584	1,987	4,675	30,160	16,424	44	1,650	58,989	1,079	18,136	135	1,232	127	1,109	178	909	990	349	434	1,736	188,215
with other financial institutions	21,183	46,411	14,616	3,271	15,894	39,865	22,554	1,437	2,536	207,381	2,911	15,941	107	2,223	273	2,418	521	2,595	1,931	2,648	963	12,174	419,853
local	9,913	13,317	7,710	1,660	5,086	24,340	12,476	504	1,330	160,249	1,594	6,974	60	903	55	1,335	379	689	738	386	533	8,235	258,466
cross-border	11,270	33,094	6,906	1,611	10,808	15,525	10,078	933	1,206	47,132	1,317	8,967	47	1,320	218	1,083	142	1,906	1,193	2,262	430	3,939	161,387
non-reporting banks	5,951	6,102	5,246	495	1,576	12,049	3,017	0	630	30,983	657	5,238	20	599	0	112	210	375	421	252	324	3,057	77,314
institutional investors	4,516	3,477	1,313	560	4,794	9,446	8,423	15	769	107,042	946	2,078	30	685	0	112	34	67	280	151	210	2,507	147,455
hedge funds and proprietary trading firms	8,748	34,284	6,240	2,054	8,428	15,006	8,948	1,339	1,132	60,788	1,045	5,525	27	806	250	2,123	274	1,917	1,153	1,932	419	5,838	168,276
official sector financial institutions	501	54	315	30	0	809	474	0	0	1,465	28	875	30	34	0	0	0	0	1	0	0	14	4,630
others	936	1,326	1,262	132	1,096	1,606	889	83	2	3,844	235	1,746	0	98	23	71	3	236	76	263	10	758	14,695
undistributed	531	1,168	240	0	0	949	803	0	3	3,259	0	479	0	1	0	0	0	0	0	50	0	0	7,483
with non-financial customers	861	359	1,476	54	1,372	5,905	2,726	0	264	14,921	6,796	635	89	41	3	0	46	13	31	516	17	152	36,277
local	626	98	587	13	430	4,438	1,991	0	193	7,349	6,708	279	41	8	3	0	10	8	28	359	9	126	23,304
cross-border	235	261	889	41	942	1,467	735	0	71	7,572	88	356	48	33	0	0	36	5	3	157	8	26	12,973
TOTAL OTC OPTIONS SOLD	37,021	79,937	27,607	5,746	22,565	78,928	43,089	1,481	5,100	299,564	11,463	37,402	367	4,107	403	3,540	879	3,674	3,058	3,851	1,460	14,879	686,116
o/w prime brokered	*6,150*	*5,453*	*3,367*	*735*	*2,046*	*6,745*	*9,395*	*0*	*2,828*	*54,505*	*1,471*	*2,627*	*37*	*563*	*106*	*261*	*232*	*1,189*	*167*	*80*	*385*	*5,553*	*103,895*
o/w retail-driven	*755*	*0*	*0*	*0*	*0*	*2,590*	*1,515*	*0*	*0*	*5,385*	*0*	*981*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*5*	*11,232*
Bought																							
with reporting dealers	13,976	34,324	14,459	2,584	5,501	31,641	22,556	2,151	2,457	86,835	1,631	21,639	119	1,655	115	1,462	418	702	999	754	726	7,217	253,915
local	2,786	7,544	2,156	580	689	2,431	1,695	1	803	18,434	655	2,383	33	547	0	13	200	86	28	181	54	1,486	42,779
cross-border	11,190	26,780	12,303	2,004	4,812	29,210	20,861	2,150	1,654	68,401	976	19,256	86	1,108	115	1,449	218	616	971	573	672	5,731	211,136
with other financial institutions	13,924	23,483	12,794	2,595	15,308	34,351	19,221	155	1,735	251,030	3,083	15,393	158	2,146	370	2,069	505	3,029	1,761	1,657	855	7,272	412,894
local	6,595	10,065	6,455	1,078	4,682	18,212	9,897	27	989	198,259	1,857	6,974	66	808	136	1,145	233	733	648	526	410	3,949	273,744
cross-border	7,329	13,418	6,339	1,517	10,626	16,139	9,324	128	746	52,771	1,226	8,419	92	1,338	234	924	272	2,296	1,113	1,131	445	3,323	139,150
non-reporting banks	2,868	5,704	4,083	771	1,421	7,271	2,788	2	207	27,064	741	4,852	49	440	0	48	180	369	232	248	163	2,995	62,496
institutional investors	2,213	3,614	840	596	3,381	8,434	7,230	63	481	151,505	1,018	1,942	28	678	0	182	50	170	96	100	173	1,468	184,262
hedge funds and proprietary trading firms	7,114	12,214	6,443	1,194	9,343	15,309	7,718	79	1,022	65,542	1,244	5,818	51	823	338	1,779	264	2,235	1,315	1,140	496	1,631	143,112
official sector financial institutions	466	180	138	0	0	849	199	0	0	360	0	770	0	26	0	0	0	0	1	0	0	56	3,045
others	840	1,101	1,210	34	1,163	1,037	834	11	25	4,108	80	1,478	30	179	32	60	11	255	117	169	23	1,122	13,919
undistributed	423	670	80	0	0	1,451	452	0	0	2,451	0	533	0	0	0	0	0	0	0	0	0	0	6,060
with non-financial customers	1,793	469	2,132	286	851	4,970	2,368	2	875	6,926	3,858	1,118	75	159	3	0	92	11	0	224	78	231	26,521
local	*265*	*104*	*645*	*232*	*167*	*3,318*	*1,927*	*2*	*328*	*4,105*	*3,818*	*487*	*24*	*127*	*3*	*0*	*77*	*8*	*0*	*172*	*28*	*45*	15,882
cross-border	1,528	365	1,487	54	684	1,652	441	0	547	2,821	40	631	51	32	0	0	15	3	0	52	50	186	10,639
TOTAL OTC OPTIONS BOUGHT	29,693	58,276	29,385	5,465	21,660	70,962	44,145	2,308	5,067	344,791	8,572	38,150	352	3,960	488	3,531	1,015	3,742	2,760	2,635	1,659	14,720	693,330
o/w prime brokered	*6,007*	*4,949*	*3,274*	*770*	*1,765*	*6,401*	*9,283*	*0*	*3,042*	*55,750*	*1,397*	*2,555*	*37*	*515*	*105*	*258*	*230*	*1,045*	*92*	*80*	*338*	*7,606*	*105,499*
o/w retail-driven	*726*	*0*	*0*	*0*	*0*	*2,307*	*1,326*	*0*	*0*	*4,767*	*0*	*1,068*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*10*	*10,204*
TOTAL OTC OPTIONS	66,713	138,213	56,992	11,211	44,224	149,890	87,234	3,789	10,166	644,355	20,035	75,552	719	8,067	891	7,070	1,893	7,416	5,817	6,486	3,118	29,598	*1,379,446*
TOTAL FX CONTRACTS	1,812,615	590,221	1,945,888	936,909	181,690	6,568,033	2,350,206	162,276	115,377	5,377,913	115,013	1,490,835	239,837	492,836	84,108	150,071	264,196	274,303	181,224	49,467	255,995	994,267	*24,633,275*
o/w prime brokered	*712,475*	*60,750*	*510,037*	*250,518*	*34,804*	*1,892,663*	*719,432*	*17,624*	*37,772*	*1,981,248*	*28,795*	*375,712*	*60,206*	*177,686*	*25,386*	*77,979*	*82,249*	*73,526*	*60,728*	*12,832*	*132,850*	*234,438*	*7,559,715*
o/w retail-driven	*18,584*	*103*	*155,259*	*22,681*	*6,821*	*264,599*	*22,906*	*8,012*	*7,680*	*180,145*	*3,327*	*48,796*	*7,794*	*1,985*	*7,419*	*467*	*9,412*	*5,287*	*242*	*1,985*	*6,841*	*17,847*	*798,192*

[1] All transactions involving exposure to more than one currency, whether in interest rates or exchange rates. [2] "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A6 for a more detailed breakdown of total turnover in "other" currencies. [3] A swap is considered to be a single transaction in that the two legs are not counted separately. [4] Including currency warrants and multicurrency swaptions.

Table A5

Central Bank Survey of Foreign Exchange and Derivatives Market Activity
FOREIGN EXCHANGE CONTRACTS [1]
Turnover in nominal or notional principal amounts in April 2013
(in millions of USD)

Instruments	EUR against														JPY against								RESIDUAL [3]	GRAND TOTAL [4]
	AUD	CAD	CHF	CNY	DKK	GBP	HUF	JPY	NOK	PLN	SEK	TRY	Other [2]	TOT	AUD	BRL	CAD	NZD	TRY	ZAR	Other [2]	TOT		
CURRENCY SWAPS [5]																								
with reporting dealers	11	0	0	0	0	0	0	0	0	0	0	0	615	626	0	0	0	0	0	0	4	4	661	50,278
local	11	0	0	0	0	0	0	0	0	0	0	0	137	148	0	0	0	0	0	0	4	4	136	10,147
cross-border	0	0	0	0	0	0	0	0	0	0	0	0	478	478	0	0	0	0	0	0	0	–	525	40,131
with other financial institutions	0	137	0	0	0	0	0	0	0	0	0	0	117	254	0	0	0	0	0	0	0	–	227	41,434
local	0	0	0	0	0	0	0	0	0	0	0	0	0	–	0	0	0	0	0	0	0	–	221	6,882
cross-border	0	137	0	0	0	0	0	0	0	0	0	0	117	254	0	0	0	0	0	0	0	–	6	34,552
non-reporting banks	0	137	0	0	0	0	0	0	0	0	0	0	117	254	0	0	0	0	0	0	0	–	226	32,834
institutional investors	0	0	0	0	0	0	0	0	0	0	0	0	0	–	0	0	0	0	0	0	0	–	0	1,737
hedge funds and proprietary trading firms	0	0	0	0	0	0	0	0	0	0	0	0	0	–	0	0	0	0	0	0	0	–	1	2,123
official sector financial institutions	0	0	0	0	0	0	0	0	0	0	0	0	0	–	0	0	0	0	0	0	0	–	0	1,407
others	0	0	0	0	0	0	0	0	0	0	0	0	0	–	0	0	0	0	0	0	0	–	0	3,247
undistributed	0	0	0	0	0	0	0	0	0	0	0	0	0	–	0	0	0	0	0	0	0	–	0	86
with non-financial customers	0	0	0	0	0	0	0	0	0	0	0	0	456	456	0	0	0	0	0	0	0	–	130	5,032
local	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1,677
cross-border	0	0	0	0	0	0	0	0	0	0	0	0	456	456	0	0	0	0	0	0	0	–	130	3,355
TOTAL CURRENCY SWAPS	11	137	–	–	–	–	–	–	–	–	–	–	1,188	1,336	–	–	–	–	–	–	4	4	1,018	96,744
o/w prime brokered	–	–	–	–	–	–	–	–	–	–	–	–	*19*	*19*	–	–	–	–	–	–	–	–	–	*11,894*
o/w retail-driven	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	–	*0*	*0*	*0*	*0*	*0*	*0*	*0*	–	*0*	*2,436*
OTC OPTIONS [6]																								
Sold																								
with reporting dealers	368	129	1,833	0	0	1,440	353	3,206	317	180	56	45	3,599	11,524	2,550	20,314	418	151	54	0	1,508	24,994	2,228	268,732
local	50	4	311	0	0	641	64	488	95	38	0	5	636	2,330	279	83	21	31	40	0	161	614	597	45,312
cross-border	318	125	1,522	0	0	799	289	2,718	222	142	56	40	2,963	9,194	2,271	20,231	397	120	14	0	1,347	24,380	1,631	223,420
with other financial institutions	773	662	9,117	0	0	3,405	749	3,671	920	431	842	825	3,112	24,507	6,020	138	512	406	19	4	5,446	12,545	4,077	460,982
local	629	174	7,953	0	0	1,981	331	1,891	451	299	304	298	1,848	16,159	3,513	30	368	405	19	3	1,579	5,917	1,677	282,219
cross-border	144	488	1,164	0	0	1,424	418	1,780	469	132	538	527	1,264	8,348	2,507	108	144	1	0	1	3,867	6,628	2,400	178,763
non-reporting banks	105	377	1,635	0	0	719	196	1,140	294	30	114	146	770	5,526	1,325	137	55	201	0	1	423	2,142	778	85,760
institutional investors	26	59	1,381	0	0	643	81	655	274	190	86	252	784	4,431	316	0	75	0	0	0	229	620	1,073	153,579
hedge funds and proprietary trading firms	557	196	5,964	0	0	1,517	467	1,547	323	206	608	387	1,339	13,111	4,033	1	351	192	18	0	4,337	8,932	2,078	192,397
official sector financial institutions	39	0	0	0	0	0	0	0	0	0	0	0	72	111	26	0	0	0	0	3	0	29	21	4,791
others	46	25	137	0	0	524	5	319	29	5	34	40	147	1,311	319	0	31	13	1	0	452	816	123	16,945
undistributed	0	5	0	0	0	2	0	10	0	0	0	0	0	17	1	0	0	0	0	0	5	6	4	7,510
with non-financial customers	0	29	153	0	0	154	0	69	9	26	8	0	343	791	27	0	2	53	0	1	124	207	251	37,526
local	–	*2*	–	–	–	*112*	–	*1*	*8*	*5*	*8*	–	*317*	*453*	*27*	–	*2*	*3*	–	*1*	*100*	*133*	*64*	23,954
cross-border	0	27	153	0	0	42	0	68	1	21	0	0	26	338	0	0	0	50	0	0	24	74	187	13,572
TOTAL OTC OPTIONS SOLD	1,141	820	11,103	–	–	4,999	1,102	6,946	1,246	637	906	870	7,054	36,822	8,597	20,452	932	610	73	5	7,078	37,746	6,556	767,240
o/w prime brokered	–	–	*2,736*	–	–	*338*	*335*	*1,194*	*577*	*263*	*130*	*92*	*1,232*	*6,897*	*526*	–	–	*64*	*89*	–	*297*	*976*	*1,314*	*113,082*
o/w retail-driven	*0*	*5*	*0*	*0*	*0*	*6*	*0*	*24*	*0*	*0*	*0*	*0*	*0*	*32*	*6*	*0*	*0*	*0*	*0*	*0*	*12*	*18*	*10*	*11,292*
Bought																								
with reporting dealers	332	276	2,820	0	0	1,746	334	2,417	334	350	252	328	4,848	14,035	9,421	32,485	165	225	18	3	4,789	47,105	3,283	318,338
local	4	36	145	0	0	398	44	374	22	131	5	11	991	2,159	240	131	66	65	4	0	308	813	863	46,614
cross-border	328	240	2,675	0	0	1,348	290	2,043	312	219	247	317	3,857	11,876	9,181	32,354	99	160	14	3	4,481	46,292	2,420	271,724
with other financial institutions	396	208	3,447	0	0	2,099	730	3,112	897	335	468	434	3,216	15,342	2,710	46	427	619	107	1,400	4,339	9,648	3,522	441,406
local	160	23	2,742	0	0	1,581	337	1,654	304	161	201	288	2,049	9,500	1,046	15	125	309	27	0	1,893	3,415	1,674	288,333
cross-border	236	185	705	0	0	518	393	1,458	593	174	267	146	1,167	5,842	1,664	31	302	310	80	1,400	2,446	6,233	1,848	153,073
non-reporting banks	85	87	711	0	0	379	28	1,109	145	26	54	18	1,103	3,745	944	20	89	99	0	0	638	1,790	915	68,946
institutional investors	28	35	685	0	0	643	165	207	326	46	44	67	736	2,982	2	15	73	45	88	0	275	498	570	188,312
hedge funds and proprietary trading firms	248	80	2,000	0	0	1,047	531	1,564	397	250	339	307	1,311	8,074	1,606	1	261	436	9	1,218	3,132	6,663	1,933	159,782
official sector financial institutions	0	0	0	0	0	0	0	105	0	0	0	0	0	105	0	0	0	0	0	0	30	30	0	3,180
others	35	3	51	0	0	23	6	119	29	13	31	42	66	418	158	10	4	39	10	182	259	662	102	15,101
undistributed	0	3	0	0	0	7	0	8	0	0	0	0	0	18	0	0	0	0	0	0	5	5	2	6,085
with non-financial customers	0	20	384	0	0	39	26	11	1	19	0	0	336	836	27	0	2	103	0	1	1,643	1,776	892	30,025
local	–	–	–	–	–	*37*	–	*11*	–	*5*	–	–	*302*	*355*	*27*	–	*2*	*3*	–	*1*	*1,619*	*1,652*	*186*	18,075
cross-border	0	20	384	0	0	2	26	0	1	14	0	0	34	481	0	0	0	100	0	0	24	124	706	11,950
TOTAL OTC OPTIONS BOUGHT	728	504	6,651	–	–	3,884	1,090	5,540	1,232	704	720	762	8,400	30,213	12,158	32,531	594	947	125	1,404	10,771	58,529	7,697	789,769
o/w prime brokered	–	–	*1,841*	–	–	*338*	*312*	*1,105*	*577*	*261*	*130*	*300*	*1,183*	*6,047*	*619*	–	–	*134*	*89*	–	*262*	*1,104*	*1,054*	*113,704*
o/w retail-driven	*0*	*3*	*0*	*0*	*0*	*7*	*0*	*13*	*0*	*0*	*0*	*0*	*0*	*24*	*0*	*0*	*0*	*0*	*0*	*0*	*1,271*	*1,271*	*2*	*11,501*
TOTAL OTC OPTIONS	1,869	1,323	17,753	–	–	8,883	2,192	12,486	2,477	1,341	1,626	1,632	15,454	67,035	20,755	52,983	1,526	1,556	198	1,409	17,849	96,275	14,253	1,557,008
Other products [7]																								
TOTAL FX CONTRACTS	103,856	97,371	312,503	106	25,604	378,375	37,163	756,085	92,536	43,488	119,288	10,953	155,533	2,132,858	190,538	61,282	33,596	22,689	520	4,893	144,714	458,232	557,208	27,781,579
o/w prime brokered	*58,978*	*32,719*	*134,676*	–	*3,757*	*137,610*	*15,302*	*403,236*	*42,208*	*19,642*	*57,629*	*3,908*	*26,441*	*936,106*	*90,355*	*58*	*13,313*	*10,011*	*231*	*523*	*29,293*	*143,783*	*144,845*	*8,784,440*
o/w retail-driven	*1,432*	*4,475*	*7,538*	*47*	*682*	*5,488*	*1,501*	*9,519*	*2,040*	*1,437*	*2,895*	*80*	*1,838*	*38,965*	*3,354*	*38*	*417*	*276*	–	*62*	*3,362*	*7,509*	*143,218*	*987,890*
o/w related party trades [8]																								*3,086,447*

[1] All transactions involving exposure to more than one currency, whether in interest rates or exchange rates. [2] "Other" covers currencies that are included in the Triennial but not explicitly listed in each column of this table. See also table A6 for a more detailed breakdown of total turnover in "other" currencies. [3] "Residual" covers all currency pairs except those involving the domestic currency, the USD, the EUR, and the JPY. [4] Covers the sum of the totals in tables A4, A5 and the column "Residual". [5] A swap is considered to be a single transaction in that the two legs are not counted separately. Includes "tomorrow/next day" transactions. [6] Including currency warrants and multicurrency swaptions. [7] Any instrument where the transaction is highly leveraged and/or the notional amount is variable and where a decomposition into individual plain vanilla components is impractical or impossible. [8] Trades between desks and offices, and trades with own branches and subsidiaries and between affiliated firms (regardless of whether the counterparty is resident in the same country as the reporting dealer or in another country). Back-to-back deals and trades to facilitate internal bookkeeping and internal risk management within a given institution are not to be reported in the context of the triennial survey.

Table A6

Central Bank Survey of Foreign Exchange and Derivatives Market Activity
FOREIGN EXCHANGE CONTRACTS [1]
Turnover in nominal or notional principal amounts in April 2013
(in millions of USD)

Instruments	Total turnover in listed currencies against all other currencies [2]																																						
	ARS	AUD	BGN	BHD	BRL	CAD	CHF	CLP	CNY	COP	CZK	DKK	GBP	HKD	HUF	IDR	ILS	INR	KRW	LTL	LVL	MXN	MYR	NOK	NZD	PEN	PHP	PLN	RON	RUB	SAR	SEK	SGD	THB	TRY	TWD	ZAR	Other
CURRENCY SWAPS [3]																																							
with reporting dealers	27	43	30	28	36	50	32	533	40	2,550	37	30	37	41	31	35	31	38	25	36	35	606	28	26	32	216	39	29	41	29	35	37	34	39	46	31	31	1,313
local	21	36	23	22	26	44	24	422	30	2,087	27	23	27	31	23	25	24	29	19	28	27	431	21	19	24	166	29	21	30	23	25	28	26	29	34	24	25	1,028
cross-border	6	7	7	6	10	6	8	111	10	463	10	7	10	10	8	10	7	9	6	8	8	175	7	7	8	50	10	8	11	6	10	9	8	10	12	7	6	285
with other financial institutions	21	25	22	26	87	145	40	290	46	998	47	42	101	28	30	38	32	31	35	29	41	375	39	27	37	36	41	33	30	37	43	35	37	35	25	27	38	477
local	5	7	6	6	9	6	8	28	10	38	9	8	8	7	6	7	9	9	6	7	10	13	8	5	8	12	8	7	6	5	7	6	7	9	6	7	6	111
cross-border	18	18	19	18	79	143	29	271	33	960	35	32	102	19	22	29	19	18	27	20	27	369	27	21	29	26	33	24	22	32	35	28	29	22	19	20	30	373
non-reporting banks	19	22	19	24	84	110	37	265	43	993	44	39	78	25	27	35	29	28	32	26	38	287	36	24	34	32	38	30	27	34	40	32	34	32	22	24	35	414
institutional investors	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
hedge funds and proprietary trading firms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
official sector financial institutions	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
others	1	2	2	1	2	34	2	24	2	2	2	2	22	2	2	2	2	2	2	2	2	85	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	62
undistributed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
with non-financial customers	21	16	21	11	21	42	24	15	22	34	18	14	19	17	12	21	22	17	15	14	19	104	20	17	22	20	12	21	13	16	18	18	12	12	17	13	15	68
local	3	2	3	2	3	3	6	2	3	4	2	3	2	3	2	3	4	3	3	3	3	3	3	3	4	4	2	3	3	2	3	3	2	2	3	2	2	7
cross-border	17	14	17	9	17	42	14	13	18	32	17	10	18	12	9	17	17	13	11	9	16	108	17	14	18	15	9	18	10	13	13	14	10	9	14	10	13	64
TOTAL CURRENCY SWAPS	69	84	73	65	144	237	96	838	108	3,582	102	86	157	86	73	94	85	86	75	79	95	1,085	87	70	91	272	92	83	84	82	96	90	83	86	88	71	84	1,858
o/w prime brokered	3	2	3	2	3	3	3	4	4	3	3	3	3	3	2	3	3	3	2	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	2	3	3
o/w retail-driven	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTC OPTIONS [4]																																							
Sold																																							
with reporting dealers	55	417	63	56	976	493	167	332	81	86	100	52	339	58	95	62	67	280	198	77	68	1,806	161	145	360	94	86	64	74	98	78	141	163	83	71	55	220	2,078
local	10	30	11	9	139	188	31	60	13	10	14	11	27	9	27	9	24	173	49	11	15	236	23	20	62	16	27	14	10	13	9	21	27	14	11	14	69	761
cross-border	45	387	52	47	837	305	136	272	68	76	86	41	312	49	68	53	43	107	149	66	53	1,570	138	125	298	78	59	50	64	85	69	120	136	69	60	41	151	1,317
with other financial institutions	54	1,443	55	68	354	1,423	671	417	250	124	92	60	2,322	69	80	77	137	141	498	64	50	3,191	212	408	481	88	110	65	52	84	646	364	178	76	63	83	95	10,162
local	22	504	20	30	321	385	246	185	29	57	45	38	1,157	34	36	62	102	38	170	30	30	1,192	148	179	340	44	90	20	23	38	445	176	94	37	27	31	41	6,874
cross-border	32	939	35	38	33	1,038	425	232	221	67	47	22	1,165	35	44	15	35	103	328	34	20	1,999	64	229	141	44	20	45	29	46	201	188	84	39	36	52	54	3,288
non-reporting banks	6	397	7	8	116	338	61	108	89	47	25	7	232	8	8	7	13	6	119	8	6	807	20	14	115	22	7	10	6	7	6	15	7	12	7	6	9	2,341
institutional investors	17	69	17	21	55	55	71	81	18	19	20	19	162	21	20	38	19	126	49	19	16	207	77	78	190	20	77	18	16	32	91	59	77	22	19	17	53	2,608
hedge funds and proprietary trading firms	27	861	27	34	180	879	508	222	130	54	43	30	1,759	35	47	28	101	6	304	33	25	1,909	107	311	165	42	22	33	27	41	546	286	88	37	33	56	30	4,526
official sector financial institutions	1	9	1	1	1	10	0	1	1	0	1	1	10	1	1	1	1	0	1	1	0	26	1	2	2	1	1	1	0	1	0	1	1	1	1	1	0	31
others	3	107	3	4	2	141	31	5	12	4	3	3	159	4	4	3	3	3	25	3	3	242	7	3	9	3	3	3	3	3	3	3	5	4	3	3	3	654
undistributed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
with non-financial customers	16	23	16	16	18	45	19	16	42	22	21	19	26	17	18	22	21	17	43	21	17	28	20	23	15	22	16	18	19	16	21	28	18	16	23	19	16	75
local	12	14	13	13	14	37	14	10	26	17	12	18	14	15	12	17	16	15	39	16	12	19	15	13	10	14	10	11	11	12	13	14	15	13	17	10	13	47
cross-border	5	8	5	5	5	9	6	5	17	6	7	5	9	5	6	7	6	5	5	6	5	9	6	8	5	7	5	6	6	5	7	9	5	4	7	7	4	24
TOTAL OTC OPTIONS SOLD	125	1,889	134	140	1,348	1,953	857	765	373	232	215	131	2,687	144	194	161	225	438	739	162	139	5,022	393	576	856	204	212	147	145	200	745	533	359	175	157	157	331	12,315
o/w prime brokered	91	327	96	101	275	381	159	233	106	112	120	99	127	104	120	126	154	129	314	119	99	556	294	236	388	118	136	104	105	118	108	230	175	117	118	99	99	3,317
o/w retail-driven	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Bought																																							
with reporting dealers	99	404	92	102	2,036	476	370	420	58	133	109	98	377	70	107	87	155	573	359	104	74	4,889	215	278	307	121	155	83	88	200	109	290	200	100	92	104	213	6,397
local	18	75	15	13	361	143	40	60	10	17	12	10	41	15	17	17	37	311	80	12	10	283	37	35	127	16	62	27	12	89	15	46	24	14	10	15	56	1,473
cross-border	81	329	77	89	1,675	333	330	360	48	116	97	88	336	55	90	70	118	262	279	92	64	4,606	178	243	180	105	93	56	76	111	94	244	176	86	82	89	157	4,924
with other financial institutions	44	950	49	55	397	1,425	740	262	66	136	84	53	907	56	55	62	84	128	266	48	44	2,543	164	398	392	60	63	57	51	89	54	346	122	46	60	86	76	7,832
local	24	448	27	30	227	691	492	133	30	76	46	29	418	32	29	40	58	54	126	23	27	1,300	65	258	261	33	36	33	25	50	32	248	53	23	28	37	43	3,977
cross-border	20	502	22	25	170	734	248	129	36	60	38	24	489	24	26	22	26	74	140	25	17	1,243	99	140	131	27	27	24	26	39	22	98	69	23	32	49	33	3,855
non-reporting banks	7	305	8	9	216	486	137	85	7	68	32	9	354	9	7	9	16	12	139	8	8	741	13	21	147	22	14	9	9	8	9	10	8	8	11	8	18	2,666
institutional investors	10	42	12	13	37	62	35	159	9	14	13	12	35	16	10	12	11	101	13	11	11	213	64	41	51	10	14	13	12	38	13	27	37	11	14	12	12	1,827
hedge funds and proprietary trading firms	23	486	24	28	138	705	548	10	47	49	34	27	436	26	34	36	52	10	109	24	21	1,333	78	318	172	24	30	30	25	39	27	295	69	23	30	58	41	2,548
official sector financial institutions	1	8	1	1	1	6	1	1	0	1	1	1	4	1	1	1	1	1	1	1	1	25	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	16
others	3	109	4	4	5	166	19	7	3	4	4	4	78	4	3	4	4	4	4	4	3	231	8	17	20	3	4	4	4	3	4	13	7	3	4	7	4	770
undistributed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
with non-financial customers	41	310	48	47	40	108	44	72	112	34	30	39	49	40	49	48	51	233	86	45	44	634	42	61	40	29	48	41	29	44	46	52	45	31	46	48	37	261
local	29	158	30	30	27	89	29	39	61	24	20	26	36	28	29	32	29	117	74	31	29	555	25	41	29	19	30	28	19	27	31	35	31	19	30	31	25	209
cross-border	12	152	18	17	13	19	15	33	51	10	10	13	13	12	20	16	22	116	12	14	15	79	17	20	11	10	18	13	10	17	15	17	14	12	16	17	12	52
TOTAL OTC OPTIONS BOUGHT	184	1,664	189	204	2,473	2,009	1,154	754	236	303	223	190	1,333	166	211	197	290	934	711	197	162	8,066	421	737	739	210	266	181	168	333	209	688	367	177	198	238	326	14,490
o/w prime brokered	108	241	116	123	284	375	180	240	97	114	96	109	128	100	109	136	204	149	301	115	100	569	282	234	266	99	152	104	97	116	124	217	181	102	118	119	101	4,857
o/w retail-driven	28	25	29	32	27	30	30	28	25	27	25	29	28	26	25	29	28	30	24	30	26	245	26	29	27	26	31	27	25	28	32	30	28	27	31	31	26	33
TOTAL OTC OPTIONS	309	3,553	323	344	3,820	3,962	2,011	1,519	609	535	438	321	4,019	310	405	358	515	1,371	1,449	359	301	13,088	814	1,313	1,595	414	477	328	313	533	954	1,221	726	352	354	394	656	26,805
TOTAL FX CONTRACTS	1,983	143,543	884	752	17,560	165,390	85,915	64,611	6,217	40,501	30,002	32,309	175,842	9,491	27,332	14,745	14,562	4,124	5,108	804	727	65,923	24,804	28,680	101,886	10,769	12,070	3,919	6,685	4,540	1,568	45,142	46,498	16,833	7,213	3,004	9,286	620,529
o/w prime brokered	547	69,867	352	408	1,024	39,546	25,745	10,381	337	18,224	16,903	5,112	55,055	544	20,038	5,462	9,333	478	1,221	299	261	7,172	14,324	16,137	53,255	2,744	4,695	704	1,509	2,415	462	14,027	4,793	4,981	434	404	2,329	168,348
o/w retail-driven	223	2,171	213	302	364	9,401	2,188	345	191	276	4,119	11,074	5,654	1,005	9,417	1,962	750	352	339	201	207	5,917	2,052	1,081	5,196	180	1,310	411	471	348	275	4,881	2,195	1,925	271	434	371	231,402

[1] All transactions involving exposure to more than one currency, whether in interest rates or exchange rates. [2] Only transactions which are included in the columns "other" in tables A4, A5, and "residual" in table A5 . Trades involving the domestic currency, the USD, the EUR or the JPY in one leg, and any of the currencies listed in this table in the other leg, should be allocated to the relevant currency column in this table once; these deals should correspond to the ones reported in columns "other" of tables A4 and A5. Trades between any two currencies listed in this table should be reported in both relevant currency columns, thus summing to 200% of the deal; these trades should correspond to the ones reported in column "residual" in table A5. **Currencies subject to compulsory reporting have been marked in blue**. [3] A swap is considered to be a single transaction in that the two legs are not counted separately. [4] Including currency warrants and multicurrency swaptions.

Table B1

Central Bank Survey of Foreign Exchange and Derivatives Market Activity
SINGLE-CURRENCY INTEREST RATE DERIVATIVES [1]
Turnover in nominal or notional principal amounts in April 2013
(in millions of USD)

Instruments	ARS	AUD	BGN	BHD	BRL	CAD	CHF	CLP	CNY	COP	CZK	DKK	EUR	GBP	HKD	HUF	IDR	ILS	INR	JPY	KRW	LTL	LVL	MXN	MYR	NOK	NZD	PEN	PHP	PLN	RON	RUB	SAR	SEK	SGD	THB	TRY	TWD	USD	ZAR	Other	TOT
FORWARD RATE AGREEMENTS																																										
with reporting dealers	165	9,371	167	172	175	14,394	156	178	189	224	201	233	48,015	183	213	138	182	133	189	1,174	153	215	180	174	189	167	221	152	142	153	198	240	687	131	203	226	163	218	1,442,691	141	223	1,522,710
local	50	8,431	36	50	50	41	47	41	42	44	30	33	29	46	41	31	37	31	42	40	48	31	32	42	36	32	44	33	40	39	26	50	36	30	46	46	42	35	582,713	36	44	592,664
cross-border	115	940	131	122	125	14,353	109	137	147	180	171	200	47,986	137	172	107	145	102	147	1,134	105	184	148	132	153	135	177	119	102	114	172	190	651	101	157	180	121	183	859,978	105	179	930,046
with other financial institutions	221	805	234	197	252	15,149	277	282	201	236	215	276	37,030	5,357	173	232	211	652	214	245	271	233	253	218	191	250	239	225	222	211	253	210	357	170	248	237	290	274	1,382,733	209	217	1,449,970
local	74	644	74	78	67	1,092	87	127	88	90	77	84	15,963	77	59	66	96	98	74	56	76	64	56	86	51	92	95	87	58	61	83	60	63	62	91	80	98	84	124,033	92	70	144,613
cross-border	147	161	160	119	185	14,057	190	155	113	146	138	192	21,067	5,280	114	166	115	554	140	189	195	169	197	132	140	158	144	138	164	150	170	150	294	108	157	157	192	190	1,258,700	117	147	1,305,357
with non-financial customers	233	241	224	232	234	243	252	210	171	282	253	236	18,120	282	195	195	288	246	250	232	198	188	282	244	234	209	167	232	192	169	284	182	268	203	242	257	171	214	115,050	204	161	141,970
local	78	78	58	92	75	74	100	83	71	83	54	56	17,973	91	55	74	94	54	75	58	73	82	99	60	78	84	54	75	83	60	91	70	86	62	73	83	54	71	101,363	88	58	122,223
cross-border	155	163	166	140	159	169	152	127	100	199	199	180	147	191	140	121	194	192	175	174	125	106	183	184	156	125	113	157	109	109	193	112	182	141	169	174	117	143	13,687	116	103	19,747
TOTAL FORWARD RATE AGREEMENTS	619	10,417	625	601	661	29,786	685	670	561	742	669	745	103,165	5,822	581	565	681	1,031	653	1,651	622	636	715	636	614	626	627	609	556	533	735	632	1,312	504	693	720	624	706	2,940,474	554	601	3,114,650
SWAPS [2]																																										
with reporting dealers	231	14,286	207	192	78,653	186,524	1,499	15,268	385	2,754	152	193	149,405	6,526	630	208	214	434	1,561	13,933	4,905	245	174	122,630	422	206	1,101	150	161	179	172	179	160	1,225	517	1,100	224	154	2,426,270	1,168	332	3,034,918
local	34	415	26	43	28,691	35,816	322	5,607	34	919	40	40	7,516	230	58	34	50	35	1,040	1,030	1,690	48	48	45,316	221	50	75	44	34	26	42	45	34	835	259	615	28	42	1,118,129	60	54	1,249,664
cross-border	197	13,871	181	149	49,962	150,708	1,177	9,661	351	1,835	112	153	141,889	6,296	572	174	164	399	521	12,903	3,215	197	126	77,314	201	156	1,026	106	127	153	130	134	126	390	258	485	196	112	1,308,141	1,108	278	1,785,254
with other financial institutions	194	38,243	190	203	77,375	164,757	2,241	9,416	1,207	1,297	349	199	273,128	28,775	2,286	577	238	1,357	930	42,459	1,938	253	250	66,222	1,452	331	1,065	219	287	813	252	276	213	4,087	2,265	876	270	278	3,071,814	2,087	347	3,801,016
local	71	9,010	62	99	20,782	24,734	1,535	2,383	553	704	118	90	135,046	20,295	602	204	63	94	156	26,508	611	76	65	20,265	767	187	92	92	88	486	75	88	63	1,846	60	475	81	100	864,497	483	87	1,133,693
cross-border	123	29,233	128	104	56,593	140,023	706	7,033	654	593	231	109	138,082	8,480	1,684	373	175	1,263	774	15,951	1,327	177	185	45,957	685	144	973	127	199	327	177	188	150	2,241	2,205	401	189	178	2,207,317	1,604	260	2,667,323
with non-financial customers	277	9,979	240	253	16,015	9,832	311	1,834	582	528	179	276	29,185	356	896	217	173	256	409	5,029	966	230	229	6,432	195	251	721	210	203	218	209	231	274	890	2,105	477	220	249	1,487,443	865	165	1,579,610
local	94	98	72	77	1,718	3,741	116	159	144	282	64	77	11,464	78	199	115	57	104	252	3,105	467	63	55	3,430	91	92	247	83	76	85	54	58	80	156	271	293	93	53	181,275	707	64	209,809
cross-border	183	9,881	168	176	14,297	6,091	195	1,675	438	246	115	199	17,721	278	697	102	116	152	157	1,924	499	167	174	3,002	104	159	474	127	127	133	155	173	194	734	1,834	184	127	196	1,306,168	158	101	1,369,801
TOTAL SWAPS	702	62,508	637	648	172,043	361,113	4,051	26,518	2,174	4,579	680	668	451,718	35,657	3,812	1,002	625	2,047	2,900	61,421	7,809	728	653	195,284	2,069	788	2,887	579	651	1,210	633	686	647	6,202	4,887	2,453	714	681	6,985,527	4,120	844	8,415,544

[1] All transactions where all the legs are exposed to one and only one currency's interest rate, including all fixed/floating and floating/floating single-currency interest rate contracts. [2] A swap is considered to be a single transaction in that the two legs are not counted separately.

Table B2

Central Bank Survey of Foreign Exchange and Derivatives Market Activity
SINGLE-CURRENCY INTEREST RATE DERIVATIVES [1]
Turnover in nominal or notional principal amounts in April 2013
(in millions of USD)

Instruments	ARS	AUD	BGN	BHD	BRL	CAD	CHF	CLP	CNY	COP	CZK	DKK	EUR	GBP	HKD	HUF	IDR	ILS	INR	JPY	KRW	LTL	LVL	MXN	MYR	NOK	NZD	PEN	PHP	PLN	RON	RUB	SAR	SEK	SGD	THB	TRY	TWD	USD	ZAR	Other	TOT
OTC OPTIONS																																										
Sold																																										
with reporting dealers	177	754	177	175	205	272	223	133	187	204	194	227	3,815	5,705	211	172	224	167	157	6,848	367	143	220	532	144	195	199	151	238	199	185	213	229	173	233	215	219	177	565,182	205	199	589,831
local	47	65	34	43	41	30	45	30	42	30	39	48	140	46	44	48	43	28	31	1,098	252	32	44	166	40	46	35	47	47	33	27	44	44	37	43	33	49	47	228,994	42	44	232,104
cross-border	130	689	143	132	164	242	178	103	145	174	155	179	3,675	5,659	167	124	181	139	126	5,750	115	111	176	366	104	149	164	104	191	166	158	169	185	136	190	182	170	130	336,188	163	155	357,727
with other financial institutions	246	1,158	206	267	242	273	245	275	236	172	266	229	7,900	5,353	199	252	254	224	220	9,654	266	220	198	1,013	263	179	207	255	213	283	220	153	213	192	204	251	253	199	377,668	417	241	410,979
local	97	469	87	88	62	88	52	81	62	67	90	94	4,321	1,345	66	62	66	96	83	2,493	80	91	85	207	72	58	84	84	100	63	71	51	64	54	55	82	81	96	118,293	74	67	129,781
cross-border	149	689	119	179	180	185	193	194	174	105	176	135	3,579	4,008	133	190	188	128	137	7,161	186	129	113	806	191	121	123	171	113	220	149	102	149	138	149	169	172	103	259,375	343	174	281,198
with non-financial customers	262	152	232	208	431	201	216	215	219	189	202	208	5,894	1,799	260	212	228	229	287	379	231	171	223	547	235	192	197	179	225	161	256	195	242	275	234	187	190	260	63,261	210	256	79,950
local	64	52	100	68	279	65	78	78	99	58	67	76	127	79	62	93	89	87	98	60	58	52	64	158	60	51	78	77	51	60	82	95	98	75	99	72	90	64	41,941	58	68	45,230
cross-border	198	100	132	140	152	136	138	137	120	131	135	132	5,767	1,720	198	119	139	142	189	319	173	119	159	389	175	141	119	102	174	101	174	100	144	200	135	115	100	196	21,320	152	188	34,720
TOTAL OTC OPTIONS SOLD	685	2,064	615	650	878	746	684	623	642	565	662	664	17,609	12,857	670	636	706	620	664	16,881	864	534	641	2,092	642	566	603	585	676	643	661	561	684	640	671	653	662	636	1,006,111	832	696	1,080,760
Bought																																										
with reporting dealers	196	634	210	164	186	186	128	161	237	241	194	191	3,746	2,848	180	135	176	205	155	7,892	225	239	139	459	170	157	166	193	230	224	223	170	155	142	147	141	144	189	605,282	139	197	627,188
local	48	94	45	32	36	50	26	44	39	48	44	35	47	59	40	30	30	34	39	1,891	44	41	37	112	32	27	46	45	31	42	45	44	27	35	30	40	30	33	256,281	32	41	259,798
cross-border	148	540	165	132	150	136	102	117	198	193	150	156	3,699	2,789	140	105	146	171	116	6,001	181	198	102	347	138	130	120	148	199	182	178	126	128	107	117	101	114	156	349,001	107	156	367,390
with other financial institutions	271	1,292	216	204	243	296	263	154	276	222	198	189	13,665	8,873	283	153	284	195	243	6,965	179	183	225	902	204	261	178	222	266	256	238	212	234	215	414	262	234	202	426,552	376	240	466,540
local	90	57	94	74	100	83	95	52	100	67	75	50	7,296	5,222	94	52	86	65	74	481	56	72	58	263	56	64	66	70	94	50	84	97	66	52	93	63	54	61	205,151	50	87	221,014
cross-border	181	1,235	122	130	143	213	168	102	176	155	123	139	6,369	3,651	189	101	198	130	169	6,484	123	111	167	639	148	197	112	152	172	206	154	115	168	163	321	199	180	141	221,401	326	153	245,526
with non-financial customers	225	865	234	273	175	212	265	260	252	257	262	191	6,084	3,499	258	193	230	154	238	287	202	264	167	245	252	189	212	168	194	214	239	262	218	221	193	288	203	195	53,955	184	213	72,692
local	88	50	95	77	65	100	81	66	86	92	74	61	61	53	96	55	93	53	58	93	60	84	57	95	84	71	92	53	75	54	59	94	58	85	66	99	64	63	36,363	68	51	39,292
cross-border	137	815	139	196	110	112	184	194	166	165	188	130	6,023	3,446	162	138	137	101	180	194	142	180	110	150	168	118	120	115	119	160	180	168	160	136	127	189	139	132	17,592	116	162	33,400
TOTAL OTC OPTIONS BOUGHT	692	2,791	660	641	604	694	656	575	765	720	654	571	23,495	15,220	721	481	690	554	636	15,144	606	686	531	1,606	626	607	556	583	690	694	700	644	607	578	754	691	581	586	1,085,789	699	650	1,166,420
TOTAL OTC OPTIONS	1,377	4,855	1,274	1,290	1,481	1,440	1,340	1,197	1,406	1,285	1,316	1,235	41,104	28,077	1,391	1,117	1,396	1,174	1,300	32,025	1,470	1,220	1,171	3,698	1,268	1,173	1,158	1,167	1,366	1,337	1,360	1,205	1,290	1,218	1,425	1,343	1,242	1,221	2,091,900	1,530	1,346	2,247,180
Other products [2]																																										49,114
TOTAL INTEREST RATE CONTRACTS [3]	2,697	77,779	2,536	2,539	174,185	392,338	6,076	28,385	4,141	6,605	2,664	2,647	595,986	69,555	5,784	2,684	2,702	4,251	4,853	95,097	9,900	2,584	2,539	199,617	3,950	2,586	4,671	2,355	2,572	3,080	2,728	2,522	3,249	7,923	7,005	4,515	2,580	2,608	12,017,900	6,204	2,790	13,777,373
o/w related party trades [4]																																										1,911,829

[1] All transactions where all the legs are exposed to one and only one currency's interest rate, including all fixed/floating and floating/floating single-currency interest rate contracts. [2] Any instrument where the transaction is highly leveraged and/or the notional amount is variable and where a decomposition into individual plain vanilla components is impractical or impossible. [3] It includes forward rate agreement, interest rate swaps, options and other products. [4] Trades between desks and offices, and trades with own branches and subsidiaries and between affiliated firms (regardless of whether the counterparty is resident in the same country as the reporting dealer or in another country). Back-to-back deals and trades to facilitate internal bookkeeping and internal risk management within a given institution are not to be reported in the context of the triennial survey.

Table C

Central Bank Survey of Foreign Exchange and Derivatives Market Activity
EXECUTION METHOD FOR FOREIGN EXCHANGE CONTRACTS
Turnover in nominal or notional principal amounts in April 2013
(in millions of USD)

Instruments	Voice		Electronic					Undistributed	Total [1]
			Direct		Indirect				
	Direct	Indirect	Single-bank proprietary trading system	Other	Reuters Matching / EBS	Other electronic communication networks	Other		
SPOT									
with reporting dealers	603,632	276,911	594,064	1,760,016	927,795	415,622	91,664	48,715	4,718,416
local	315,124	39,381	104,452	608,440	112,873	147,291	14,230	1,744	1,343,533
cross-border	288,508	237,530	489,612	1,151,576	814,922	268,331	77,434	46,971	3,374,883
with other financial institutions	2,198,747	177,871	716,282	3,158,126	1,381,643	383,932	297,895	35,430	8,349,926
with non-financial customers	146,918	14,384	36,481	64,277	46,509	54,994	174,516	19,441	557,520
TOTAL SPOT	2,949,297	469,166	1,346,828	4,982,421	2,355,947	854,548	564,075	103,582	13,625,859
OUTRIGHT FORWARDS									
with reporting dealers	207,054	311,944	63,105	412,003	91,426	311,619	27,846	64,147	1,489,143
local	24,767	33,266	15,902	108,617	9,132	58,478	3,327	1,283	254,771
cross-border	182,287	278,678	47,203	303,386	82,294	253,141	24,519	62,864	1,234,372
with other financial institutions	693,128	207,841	140,686	1,278,151	137,753	313,014	89,126	16,565	2,876,265
with non-financial customers	176,256	17,726	21,537	26,392	17,285	66,265	279,082	30,224	634,769
TOTAL OUTRIGHT FORWARDS	1,076,438	537,511	225,328	1,716,546	246,464	690,898	396,054	110,936	5,000,177
FOREIGN EXCHANGE SWAPS									
with reporting dealers	544,712	1,071,672	403,707	537,433	560,749	271,745	25,303	79,368	3,494,687
local	285,908	224,097	38,367	76,078	128,062	45,444	1,160	63,102	862,216
cross-border	258,804	847,575	365,340	461,355	432,687	226,301	24,143	16,266	2,632,471
with other financial institutions	590,133	518,891	345,655	851,123	576,337	458,614	87,979	210,756	3,639,489
with non-financial customers	106,611	15,199	54,755	10,268	28,576	66,587	78,025	7,595	367,616
TOTAL FOREIGN EXCHANGE SWAPS	1,241,456	1,605,762	804,117	1,398,824	1,165,662	796,946	191,307	297,719	7,501,792
CURRENCY SWAPS									
with reporting dealers	5,753	6,602	539	4,147	0	24,451	5,327	3,460	50,278
local	1,882	5,014	89	669	0	633	431	1,431	10,147
cross-border	3,871	1,588	450	3,478	0	23,818	4,896	2,029	40,131
with other financial institutions	9,249	4,457	4,073	1,457	9,066	11,122	0	2,009	41,434
with non-financial customers	2,156	0	0	368	0	836	0	1,672	5,032
TOTAL CURRENCY SWAPS	17,158	11,059	4,612	5,972	9,066	36,408	5,327	7,141	96,744
OTC OPTIONS									
with reporting dealers	165,127	276,741	37,425	89,944	2,540	7,423	298	7,553	587,069
local	61,118	14,533	1,982	12,229	0	827	0	1,237	91,925
cross-border	104,009	262,208	35,443	77,715	2,540	6,596	298	6,316	495,144
with other financial institutions	531,742	245,615	30,374	86,432	24	1,029	505	6,668	902,388
with non-financial customers	45,896	10,738	4,450	1,578	0	2	2,299	2,587	67,551
TOTAL OTC OPTIONS	742,765	533,094	72,249	177,954	2,574	8,463	3,104	16,807	1,557,008
TOTAL FX CONTRACTS	6,027,114	3,156,591	2,453,132	8,281,716	3,779,713	2,387,262	1,159,867	536,183	27,781,579

[1] Total Spot, Outright forwards, FX swaps, currency swaps and OTC options as well as their corresponding counterparty breakdowns should be consistent with the