## Notional amounts outstanding of OTC foreign exchange derivatives net of inter-dealer double-counting by instrument, counterparty and currency at end-December 2002\*

#### **All currencies**

In millions of US dollars

Category	Total	US dollar	Euro	Japanese yen	Pound sterling	Swiss franc
OUTRIGHT FORWARDS AND FOREIGN EXCHANGE SWAPS	10,722,816	9,714,807	4,110,137	2,566,289	1,453,895	532,177
with reporting dealers	4,316,815	4,121,188	1,452,180	1,202,132	486,846	192,747
with other financial institutions	4,364,633	4,009,975	1,669,288	972,100	572,987	208,091
with non-financial customers	2,041,365	1,583,645	988,670	392,057	394,062	131,341
TOTAL INCLUDING GOLD	10,858,432					
CURRENCY SWAPS	4,508,713	4,018,971	2,075,545	1,121,543	741,572	218,931
with reporting dealers	1,414,244	1,329,265	596,028	404,130	200,546	61,308
with other financial institutions	1,907,742	1,645,445	925,111	433,405	335,435	96,823
with non-financial customers	1,186,726	1,044,261	554,405	284,010	205,590	60,798
OPTIONS SOLD	2,160,121	1,844,435	1,032,002	799,053	177,861	119,806
with reporting dealers	1,096,097	902,779	510,858	444,225	92,507	58,953
with other financial institutions	659,364	596,441	309,002	232,188	44,964	38,683
with non-financial customers	404,660	345,215	212,144	122,641	40,392	22,172
TOTAL INCLUDING GOLD	2,266,325					
OPTIONS BOUGHT	2,182,305	1,843,308	1,145,890	740,387	180,886	120,181
with reporting dealers	1,113,703	922,979	579,061	410,471	92,288	51,787
with other financial institutions	670,664	585,717	355,994	211,200	50,748	43,159
with non-financial customers	397,934	334,610	210,833	118,714	37,852	25,235
TOTAL INCLUDING GOLD	2,295,699					
TOTAL OPTIONS	3,237,525	2,774,866	1,632,930	1,112,092	266,350	184,615
TOTAL CONTRACTS	18,469,054	16,508,643	7,818,618	4,799,925	2,461,817	935,723
TOTAL CONTRACTS INCLUDING GOLD*	18,784,188					

#### Detailed Table D-1 (contd.)

## Notional amounts outstanding of OTC foreign exchange derivatives net of inter-dealer double-counting by instrument, counterparty and currency at end-December 2002\*

#### **All currencies**

Canadian dollar	Swedish krone	Australian dollar	Danish krone	Hong Kong dollar	Thai baht	Residual currencies	Category
449,007	450,890	248,368	21,830	343,403	314	1,554,515	OUTRIGHT FORWARDS AND FOREIGN EXCHANGE SWAPS
141,075	168,091	62,626	5,097	150,618	12	651,018	with reporting dealers
174,922	137,338	131,644	9,348	170,787	301	672,485	with other financial institutions
133,014	145,461	54,097	7,386	21,998	0	230,999	with non-financial customers
							TOTAL INCLUDING GOLD
163,858	140,882	86,675	6,694	64,587	514	377,654	CURRENCY SWAPS
32,776	45,119	9,873	1,407	30,618	215	117,203	with reporting dealers
52,910	52,043	63,715	3,301	29,209	291	177,796	with other financial institutions
78,172	43,722	13,087	1,985	4,760	8	82,654	with non-financial customers
64,346	93,540	43,449	108	9,697	0	135,945	OPTIONS SOLD
32,489	61,904	13,003	4	5,072	0	70,400	with reporting dealers
14,596	24,221	20,113	36	3,579	0	34,905	with other financial institutions
17,260	7,416	10,332	68	1,046	0	30,634	with non-financial customers
							TOTAL INCLUDING GOLD
55,292	81,485	50,795	107	13,577	0	132,702	OPTIONS BOUGHT
30,208	54,806	14,518	0	5,422	0	65,866	with reporting dealers
13,071	20,005	21,895	41	6,799	0	32,699	with other financial institutions
12,014	6,676	14,382	66	1,356	0	34,130	with non-financial customers
							TOTAL INCLUDING GOLD
88,290	116,671	80,484	213	18,027	0	200,512	TOTAL OPTIONS
701,155	708,442	415,530	28,737	426,017	828	2,132,673	TOTAL CONTRACTS
							TOTAL CONTRACTS INCLUDING GOLD*

<sup>\*</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting.

## Notional amounts outstanding of OTC single-currency interest rate derivatives net of inter-dealer double-counting by instrument, counterparty and currency at end-December 2002\*

#### **All currencies**

In millions of US dollars

Category	Total	US dollar	Euro	Japanese yen	Pound sterling	Swiss franc
FORWARD RATE AGREEMENTS	8,791,989	4,195,326	2,093,792	747,691	418,096	148,630
with reporting dealers	4,578,784	1,950,397	1,139,892	587,291	283,742	79,417
with other financial institutions	3,540,325	1,765,396	876,651	155,243	122,191	66,552
with non-financial customers	672,881	479,534	77,250	5,156	12,161	2,662
SWAPS	79,161,480	23,664,520	31,457,052	12,759,555	6,189,355	1,495,222
with reporting dealers	36,321,368	10,006,033	14,437,545	7,305,279	2,346,997	741,136
with other financial institutions	34,382,784	10,276,528	14,527,363	4,018,455	3,190,188	673,440
with non-financial customers	8,457,326	3,381,961	2,492,145	1,435,819	652,170	80,648
OPTIONS SOLD	10,097,907	4,741,828	3,581,931	962,277	634,872	52,583
with reporting dealers	5,768,762	2,308,746	2,301,543	687,215	400,668	31,971
with other financial institutions	2,891,910	1,557,041	927,295	163,478	177,914	14,325
with non-financial customers	1,437,235	876,041	353,094	111,583	56,289	6,288
OPTIONS BOUGHT	9,428,600	4,094,398	3,604,282	903,899	579,048	60,507
with reporting dealers	5,792,761	2,284,298	2,314,486	677,731	359,027	30,392
with other financial institutions	2,792,274	1,390,532	1,009,317	162,222	165,212	21,510
with non-financial customers	843,563	419,568	280,478	63,947	54,809	8,604
TOTAL OPTIONS	13,745,747	6,539,701	4,878,198	1,183,703	834,075	81,908
TOTAL CONTRACTS	101,699,216	34,399,552	38,429,044	14,690,946	7,441,522	1,725,760

#### Detailed Table D-2 (contd.)

## Notional amounts outstanding of OTC single-currency interest rate derivatives net of inter-dealer double-counting by instrument, counterparty and currency at end-December 2002\*

#### **All currencies**

Canadian dollar	Swedish krone	Australian dollar	Danish krone	Hong Kong dollar	Thai baht	Residual currencies	Category
56,470	445,026	28,044	35,605	9,022	0	614,287	FORWARD RATE AGREEMENTS
26,118	213,462	11,661	2,653	5,488	0	278,663	with reporting dealers
18,965	178,179	15,438	32,921	3,494	0	305,295	with other financial institutions
11,388	53,383	945	31	40	0	30,331	with non-financial customers
696,960	617,250	216,517	53,196	147,176	0	1,864,677	SWAPS
247,449	291,400	68,579	18,898	70,982	0	787,070	with reporting dealers
266,061	268,471	123,887	31,524	67,987	0	938,880	with other financial institutions
183,449	57,380	24,052	2,773	8,207	0	138,722	with non-financial customers
57,645	21,823	5,982	524	4,338	0	34,104	OPTIONS SOLD
15,282	8,993	2,391	72	3,345	0	8,536	with reporting dealers
25,420	4,623	3,112	446	692	0	17,564	with other financial institutions
16,942	8,206	479	6	301	0	8,006	with non-financial customers
31,279	18,582	3,413	37	5,365	0	127,790	OPTIONS BOUGHT
12,456	9,176	743	37	4,005	0	100,410	with reporting dealers
11,046	5,375	1,697	0	1,187	0	24,176	with other financial institutions
7,776	4,031	972	0	173	0	3,205	with non-financial customers
75,055	31,317	7,828	505	6,028	0	107,429	TOTAL OPTIONS
828,484	1,093,596	252,387	89,308	162,226	0	2,586,391	TOTAL CONTRACTS

<sup>\*</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting.

## Notional amounts outstanding of OTC equity-linked derivatives net of inter-dealer double-counting by instrument, counterparty and market risk factor at end-December 2002<sup>1</sup>

Category	Total	us	Japanese	European <sup>2</sup>	Latin American	Other Asian	Other
FORWARDS AND SWAPS	364,324	118,483	7,743	202,551	1,597	1,218	32,732
with reporting dealers	62,896	16,237	1,595	42,577	14	114	2,359
with other financial institutions	183,079	51,172	4,698	108,063	989	333	17,824
with non-financial customers	118,351	51,074	1,453	51,911	593	769	12,550
OPTIONS SOLD	1,302,256	197,713	52,542	982,651	11,521	21,865	35,965
with reporting dealers	680,369	81,010	31,062	544,385	1,169	12,355	10,388
with other financial institutions	391,185	53,303	18,581	295,023	5,317	1,934	17,027
with non-financial customers	230,702	63,399	2,897	143,243	5,036	7,577	8,550
OPTIONS BOUGHT	1,318,254	199,641	50,408	1,018,477	7,057	12,941	29,731
with reporting dealers	671,946	88,947	30,515	529,155	6,452	4,651	12,227
with other financial institutions	479,109	37,791	17,724	412,376	153	2,736	8,330
with non-financial customers	167,200	72,903	2,171	76,947	452	5,552	9,173
TOTAL OPTIONS	1,944,352	312,374	72,167	1,464,358	14,766	26,301	54,389
TOTAL CONTRACTS	2,308,679	430,858	79,905	1,666,911	16,363	27,518	87,119

<sup>&</sup>lt;sup>1</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting. <sup>2</sup> Excluding countries in eastern Europe.

## Notional amounts outstanding of OTC commodity derivatives net of inter-dealer double-counting by instrument and counterparty at end-December 2002<sup>1</sup>

Category	Gold	Precious metals (other than gold) <sup>2</sup>	Other commodities <sup>2</sup>
FORWARDS AND SWAPS	135,618	26,672	375,697
with reporting dealers	-	-	-
with other financial institutions	-	-	-
with non-financial customers	-	-	-
OPTIONS SOLD	106,204	16,519	94,186
with reporting dealers	-	-	-
with other financial institutions	-	-	-
with non-financial customers	-	-	-
OPTIONS BOUGHT	113,394	20,791	120,020
with reporting dealers	-	-	-
with other financial institutions	-	-	-
with non-financial customers	-	-	-
TOTAL OPTIONS	179,517	30,501	175,109
TOTAL CONTRACTS	315,135	57,174	550,807

While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. not adjusted for inter-dealer double-counting. <sup>2</sup> Adjustments for inter-dealer double counting based on the results of the 2001 triennial central bank survey.

## Gross market values of OTC foreign exchange derivatives by instrument, counterparty and currency at end-December 2002\*

In millions of US dollars

Category	Total	US dollar	Euro	Japanese yen	Pound sterling	Swiss franc
OUTRIGHT FORWARDS AND FOREIGN EXCHANGE SWAPS	468,221	447,130	206,331	95,709	50,104	23,706
with reporting dealers	197,371	190,817	81,420	47,191	18,715	9,218
with other financial institutions	185,737	186,434	80,047	33,312	19,318	9,535
with non-financial customers	85,114	69,878	44,864	15,205	12,070	4,953
CURRENCY SWAPS	337,400	293,298	183,205	72,252	42,511	21,918
with reporting dealers	64,216	59,215	31,289	16,990	6,225	3,992
with other financial institutions	160,693	141,254	88,885	33,275	20,151	9,634
with non-financial customers	112,491	92,830	63,031	21,989	16,134	8,290
OPTIONS SOLD	49,078	46,199	24,929	15,147	3,478	1,920
with reporting dealers	22,048	19,801	10,821	8,067	1,454	852
with other financial institutions	15,406	15,610	7,803	4,594	806	412
with non-financial customers	11,621	10,789	6,307	2,487	1,217	657
OPTIONS BOUGHT	48,739	46,017	25,236	13,670	3,536	1,930
with reporting dealers	22,707	20,324	12,109	7,730	1,397	736
with other financial institutions	14,678	15,411	7,725	3,069	948	491
with non-financial customers	11,353	10,281	5,403	2,870	1,192	702
TOTAL OPTIONS	75,769	72,415	39,344	20,750	5,560	2,998
TOTAL CONTRACTS	881,389	812,844	428,879	188,711	98,173	48,621
TOTAL CONTRACTS INCLUDING GOLD	909,460					

#### Detailed Table D-5 (contd.)

## Gross market values of OTC foreign exchange derivatives by instrument, counterparty and currency at end-December 2002

Canadian dollar	Swedish krone	Australian dollar	Danish krone	Hong Kong dollar	Thai baht	Residual currencies	Category
8,906	22,064	7,504	1,149	3,147	3	70,689	OUTRIGHT FORWARDS AND FOREIGN EXCHANGE SWAPS
1,889	11,179	1,799	296	1,791	0	30,427	with reporting dealers
2,606	6,019	3,589	687	1,099	3	28,825	with other financial institutions
4,411	4,865	2,116	166	257	0	11,443	with non-financial customers
12,507	7,378	6,767	396	1,387	66	33,115	CURRENCY SWAPS
1,352	1,891	439	50	212	21	6,756	with reporting dealers
3,876	2,836	4,502	183	831	45	15,914	with other financial institutions
7,278	2,652	1,825	163	344	0	10,446	with non-financial customers
687	1,097	1,044	0	87	0	3,568	OPTIONS SOLD
284	676	274	0	9	0	1,858	with reporting dealers
140	221	386	0	77	0	763	with other financial institutions
264	198	384	0	1	0	938	with non-financial customers
660	778	1,655	0	60	0	5,591	OPTIONS BOUGHT
308	580	273	0	10	0	1,947	with reporting dealers
125	123	670	0	48	0	746	with other financial institutions
227	75	713	0	2	0	1,241	With non-financial customers
1,063	1,199	2,425	0	138	0	5,646	TOTAL OPTIONS
22,476	30,642	16,697	1,545	4,672	69	109,449	TOTAL CONTRACTS
							TOTAL CONTRACTS INCLUDING GOLD

<sup>\*</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting.

## Gross market values of OTC single-currency interest rate derivatives by instrument, counterparty and currency at end-December 2002\*

In millions of US dollars

Category	Total	US dollar	Euro	Japanese yen	Pound sterling	Swiss franc
FORWARD RATE AGREEMENTS	21,643	12,692	3,814	655	917	530
with reporting dealers	7,244	2,517	2,023	513	494	292
with other financial institutions	9,711	6,162	1,609	120	241	227
with non-financial customers	4,688	4,013	184	22	183	9
SWAPS	3,864,365	1,675,837	1,376,311	363,014	235,870	69,827
with reporting dealers	1,678,541	714,781	602,385	182,847	85,541	32,761
with other financial institutions	1,674,998	699,921	632,784	130,565	115,795	31,959
with non-financial customers	510,827	261,134	141,143	49,602	34,534	5,108
OPTIONS SOLD	282,967	175,464	79,890	14,109	11,345	536
with reporting dealers	170,065	99,059	52,017	11,093	6,819	295
with other financial institutions	80,044	51,673	22,330	2,354	2,884	180
with non-financial customers	32,857	24,732	5,541	663	1,642	62
OPTIONS BOUGHT	268,365	152,385	91,344	11,930	10,429	636
with reporting dealers	161,567	85,034	59,790	9,244	6,476	375
with other financial institutions	80,283	49,638	25,291	1,921	2,610	134
with non-financial customers	26,515	17,711	6,263	765	1,342	128
TOTAL OPTIONS	381,267	228,790	119,217	14,946	14,955	877
TOTAL CONTRACTS	4,267,275	1,917,318	1,499,341	378,616	251,740	71,236

#### Detailed Table D-6 (contd.)

## Gross market values of OTC single-currency interest rate derivatives by instrument, counterparty and currency at end- December 2002

Canadian dollar	Swedish krone	Australian dollar	Danish krone	Hong Kong dollar	Thai baht	Residual currencies	Category
91	1,086	3	81	41	0	1,733	FORWARD RATE AGREEMENTS
34	513	1	8	20	0	829	with reporting dealers
9	449	2	73	21	0	798	with other financial institutions
48	123	0	0	0	0	106	with non-financial customers
29,706	24,201	7,228	3,025	3,870	0	75,476	SWAPS
9,996	11,746	2,004	987	1,624	0	33,869	with reporting dealers
11,529	10,235	4,023	1,849	1,725	0	34,613	with other financial institutions
8,181	2,220	1,201	189	521	0	6,994	with non-financial customers
557	134	89	13	61	0	769	OPTIONS SOLD
196	56	65	7	53	0	405	with reporting dealers
256	25	21	6	4	0	311	with other financial institutions
105	53	3	0	4	0	52	with non-financial customers
563	164	35	8	72	0	799	OPTIONS BOUGHT
238	60	10	8	49	0	283	with reporting dealers
169	37	22	0	16	0	445	with other financial institutions
156	67	3	0	7	0	73	with non-financial customers
924	242	59	14	80	0	1,163	TOTAL OPTIONS
30,720	25,530	7,290	3,120	3,991	0	78,373	TOTAL CONTRACTS

<sup>\*</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting.

## Gross market values of OTC equity-linked derivatives by instrument, counterparty and market risk factor at end-December 2002<sup>1</sup>

Category	Total	US	Japanese	European <sup>2</sup>	Latin American	Other Asian	Other
FORWARDS AND SWAPS	61,075	19,644	1,320	35,824	523	90	3,670
with reporting dealers	13,626	2,149	574	10,513	12	11	366
with other financial institutions	22,598	5,149	727	14,580	154	30	1,959
with non-financial customers	24,851	12,347	18	10,731	357	50	1,346
OPTIONS SOLD	132,096	30,661	4,662	91,108	442	1,312	3,913
with reporting dealers	72,331	11,713	2,767	56,464	12	653	724
with other financial institutions	35,178	5,546	1,313	26,083	167	96	1,974
with non-financial customers	24,586	13,402	583	8,561	263	564	1,216
OPTIONS BOUGHT	134,577	28,157	4,241	98,220	63	1,354	2,542
with reporting dealers	76,760	10,765	2,840	61,188	10	1,169	788
with other financial institutions	32,816	3,707	1,244	27,170	10	111	573
with non-financial customers	25,002	13,686	157	9,861	43	74	1,181
TOTAL OPTIONS	194,342	47,105	6,136	132,864	493	2,013	5,731
TOTAL CONTRACTS	255,420	66,750	7,456	168,691	1,016	2,104	9,401

<sup>&</sup>lt;sup>1</sup> Excluding countries in eastern Europe. <sup>2</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting.

## Gross market values of OTC commodity derivatives by instrument and counterparty at end-December 2002

Category	Gold	Precious metals (other than gold)	Other commodities
FORWARDS AND SWAPS	-	-	-
with reporting dealers	-	-	-
with non-financial customers	-	-	-
with reporting dealers	-	-	-
with non-financial customers	-	-	-
with reporting dealers	-	-	-   - <u>-</u>
with non-financial customers	-	-	-
TOTAL CONTRACTS	28,072	3,020	- 54,331

# Notional amounts outstanding of OTC foreign exchange derivative contracts net of inter-dealer double-counting by instrument, counterparty, and remaining maturity at end-December 2002<sup>1</sup>

Category	Total	One year or less	Over one year and up to five years	Over five years
FORWARDS AND SWAPS <sup>2</sup>	15,231,529	11,734,782	2,343,917	1,152,830
with reporting dealers	5,731,060	4,707,490	700,834	322,736
with other financial institutions	6,272,374	4,845,165	943,165	484,044
with non-financial customers	3,228,093	2,182,130	699,916	346,047
OPTIONS SOLD	2,160,121	1,895,184	242,190	22,746
with reporting dealers	1,096,097	997,909	93,641	4,547
with other financial institutions	659,364	568,679	74,968	15,716
with non-financial customers	404,660	328,596	73,581	2,484
OPTIONS BOUGHT	2,182,305	1,908,639	236,324	37,346
with reporting dealers	1,113,703	1,007,383	101,667	4,654
with other financial institutions	670,664	578,009	65,349	27,309
with non-financial customers	397,934	323,247	69,308	5,383
TOTAL OPTIONS	3,237,525	2,801,178	380,862	55,491
TOTAL CONTRACTS	18,469,054	14,535,960	2,724,774	1,208,320
TOTAL CONTRACTS INCLUDING GOLD	18,784,188	15,010,102	2,624,643	1,149,445

<sup>&</sup>lt;sup>1</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting. <sup>2</sup> Includes currency swaps.

## Notional amounts outstanding of OTC single-currency interest rate derivative contracts net of inter-dealer double-counting by instrument, counterparty, and remaining maturity at end-December 2002\*

Category	Total	One year or less	Over one year and up to five years	Over five years
FORWARDS AND SWAPS	87,953,466	33,225,234	33,921,492	20,806,740
with reporting dealers	40,900,147	16,552,998	15,756,723	8,590,426
with other financial institutions	37,923,108	14,345,048	14,328,056	9,250,004
with non-financial customers	9,130,205	2,327,186	3,836,711	2,966,308
OPTIONS SOLD	10,097,907	2,687,209	4,672,000	2,738,697
with reporting dealers	5,768,762	1,536,271	2,697,251	1,535,243
with other financial institutions	2,891,910	795,996	1,369,237	726,677
with non-financial customers	1,437,235	354,941	605,512	476,777
OPTIONS BOUGHT	9,428,600	2,571,278	4,274,990	2,582,337
with reporting dealers	5,792,761	1,531,000	2,718,124	1,543,639
with other financial institutions	2,792,274	855,351	1,189,927	746,996
with non-financial customers	843,563	184,926	366,940	291,702
TOTAL OPTIONS	13,745,747	3,724,851	6,239,305	3,781,592
TOTAL CONTRACTS	101,699,216	36,950,080	40,160,792	24,588,332

<sup>\*</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. not adjusted for inter-dealer double-counting.

# Notional amounts outstanding of OTC equity-linked derivative contracts net of inter-dealer double counting by instrument, counterparty, and remaining maturity at end-December 2002\*

Category	Total	One year or less	Over one year and up to five years	Over five years
FORWARDS AND SWAPS	364,324	152,745	160,458	51,115
with reporting dealers	62,896	28,006	27,821	7,067
with other financial institutions	183,079	79,504	83,519	20,054
with non-financial customers	118,351	45,236	49,117	23,997
OPTIONS SOLD	1,302,256	516,529	674,354	111,374
with reporting dealers	680,369	281,569	367,291	31,510
with other financial institutions	391,185	146,629	216,024	28,535
with non-financial customers	230,702	88,332	91,039	51,329
OPTIONS BOUGHT	1,318,254	540,531	710,079	67,645
with reporting dealers	671,946	296,116	343,938	31,893
with other financial institutions	479,109	148,367	310,170	20,573
with non-financial customers	167,200	96,049	55,971	15,179
TOTAL OPTIONS	1,944,352	768,218	1,028,820	147,316
TOTAL CONTRACTS	2,308,679	920,962	1,189,279	198,435

<sup>\*</sup> While data on "total options" are shown on a net basis, separate data on "options sold" and "options bought" are recorded on a gross basis, i.e. <u>not</u> adjusted for inter-dealer double-counting.