

**BANCA D'ITALIA**

**Supplements to the Statistical Bulletin**  
**Monetary and Financial Indicators**

**The Financial Market**



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## GENERAL INFORMATION

- I - Unless indicated otherwise, figures have been computed by the Bank of Italy.
- II - Symbols and Conventions:
  - the phenomenon in question does not occur;
  - .... the phenomenon occurs but its value is not known;
  - .. the value is known but is nil or less than half the final digit shown.

Figures in parentheses in roman type () are provisional, those in parentheses in italics () are estimated.
- III - The tables are identified both by a number and by an alphanumeric code that defines the content of the table in the database in the electronic archive in which information to be released to the public is held. A similar code identifies the different aggregates shown in each table.
- IV - The methodological notes in the last part of the Supplement are identified by electronic codes that refer to the tables and, within each table, to the individual aggregates. Notes that refer to a single observation are also identified by the date of that observation.

## SUPPLEMENTS TO THE STATISTICAL BULLETIN

**Monetary Financial Institutions: Banks and Money Market Funds** (monthly)

**Financial Market** (monthly)

**Public Finances** (monthly)

**Balance of Payments** (monthly)

**Monetary and Credit Aggregates of the Euro Area: the Italian Components** (monthly)

**Financial Accounts** (quarterly)

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**Methodological Notes and Statistical Information** (irregular)

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*Requests for classifications concerning data contained in this publication can be sent by e-mail to [statistiche@bancaditalia.it](mailto:statistiche@bancaditalia.it)*

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## Securities: gross and net issues

(millions of euros)

	Bonds and					
	Public					
	BOTs	CCTs variable rate	BTPs	CTZs	Republic of Italy loans	Total government securities
	<i>BOT</i>	<i>CCTV</i>	<i>BTP</i>	<i>CTZ</i>	<i>PRER</i>	<i>TIST</i>
<b>Gross issues</b>						
2000 .....	164,650	19,866	106,737	33,317	19,646	345,383
2001 .....	188,677	28,330	119,929	35,528	22,529	395,047
2002 .....	208,761	44,535	133,646	32,556	16,135	435,633
2003 .....	214,093	38,313	144,882	31,185	(21,998)	(450,471)
2003 – Sept. ....	17,750	3,212	27,555	4,650	(142)	(53,309)
Oct. ....	18,900	2,003	13,610	1,650	(646)	(36,809)
Nov. ....	15,500	3,000	11,700	..	(2,814)	(33,014)
Dec. ....	6,000	..	..	..	(82)	(6,082)
2004 – Jan. ....	30,350	4,000	15,770	4,400	3,471	57,991
Feb. ....	21,600	3,500	15,900	2,750	1,823	45,573
Mar. ....	21,005	4,025	17,600	4,000	3,093	49,723
Apr. ....	23,750	4,002	19,750	3,000	1,705	52,207
May ....	18,350	4,000	13,043	2,200	(154)	(37,746)
June ....	17,495	3,000	11,026	3,000	(1,711)	(36,232)
July ....	18,030	2,500	11,015	3,000	(1,462)	(36,007)
Aug. ....	16,470	2,000	4,400	2,750	(301)	(25,921)
Sept. ....	17,500	2,000	13,500	2,028	(261)	(35,289)
<b>Redemptions</b>						
2000 .....	182,200	27,912	57,916	53,401	6,922	330,094
2001 .....	176,960	38,357	83,562	49,367	14,037	363,830
2002 .....	208,831	57,279	93,797	21,940	11,404	432,657
2003 .....	208,188	55,111	114,843	37,742	(15,482)	(432,546)
2003 – Sept. ....	17,200	9,099	..	9,359	(1,964)	(37,621)
Oct. ....	18,625	155	25,749	..	(546)	(45,075)
Nov. ....	15,025	8,213	..	..	(2,569)	(25,807)
Dec. ....	24,250	3,332	7,792	11,105	(2,926)	(49,406)
2004 – Jan. ....	18,745	6,523	8,854	..	1,601	35,723
Feb. ....	18,500	..	16,621	..	754	35,925
Mar. ....	13,750	7,073	8,799	11,886	272	41,781
Apr. ....	20,900	..	17,740	..	1,216	39,856
May ....	18,250	8,504	1,314	..	(545)	(28,613)
June ....	17,500	314	881	9,565	(111)	(28,371)
July ....	18,350	..	21,073	..	(1,915)	(41,338)
Aug. ....	16,600	..	5,345	..	(459)	(22,404)
Sept. ....	17,505	9,758	..	..	(944)	(28,207)
<b>Net issues</b>						
2000 .....	-17,550	-7,932	47,626	-22,462	13,804	12,909
2001 .....	11,717	-9,812	38,006	-16,476	9,049	30,990
2002 .....	-70	-12,290	42,364	8,335	4,388	25,157
2003 .....	5,905	-16,313	31,764	-7,907	(5,582)	(17,851)
2003 – Sept. ....	550	-5,851	27,326	-4,923	-1,843	15,259
Oct. ....	275	1,873	-12,214	1,575	86	-8,405
Nov. ....	475	-5,175	11,454	..	11	6,764
Dec. ....	-18,250	-3,332	-7,792	-11,105	(-2,989)	(-43,469)
2004 – Jan. ....	11,605	-2,470	6,870	4,239	(1,296)	(21,540)
Feb. ....	3,100	3,548	-863	2,665	(1,099)	(9,500)
Mar. ....	7,255	-2,992	8,870	-8,056	(2,762)	(7,839)
Apr. ....	2,850	4,060	2,083	2,859	(493)	(12,345)
May ....	100	-4,452	11,485	2,096	(-418)	(8,812)
June ....	-5	2,723	10,039	-6,701	(1,591)	(7,647)
July ....	-320	2,529	-10,202	2,845	(-431)	(-5,579)
Aug. ....	-130	2,023	-964	2,625	(-156)	(3,398)
Sept. ....	-5	-7,734	13,643	1,939	(-667)	(7,176)

**Table 1**  
**TDEE0050**

public sector securities							Listed shares
sector			Total	Banks	Firms	Total	
Autonomous gov. agencies and State Railways	Local authorities						
FS	ET	SPT					
<b>Gross issues</b>							
..	3,114	348,497	86,915	(20,310)	(455,722)	9,148	
..	2,407	397,454	(95,777)	(50,833)	(544,064)	6,171	
..	5,994	441,628	(92,346)	(44,407)	(578,381)	3,893	
..	4,033	(454,505)	(116,793)	(42,279)	(613,577)	8,710	
..	35	(53,343)	(9,016)	(286)	(62,645)	5	
..	73	(36,882)	(12,153)	(2,000)	(51,035)	122	
..	673	(33,687)	(7,298)	(5,920)	(46,906)	..	
..	1,716	(7,797)	(18,251)	(4,684)	(30,732)	798	
..	528	(58,518)	(7,665)	(4,579)	(70,763)	..	
..	280	(45,852)	(9,410)	(6,628)	(61,891)	27	
..	22	(49,745)	(15,479)	(1,058)	(66,283)	..	
..	43	(52,250)	(9,693)	(1,945)	(63,887)	50	
..	405	(38,151)	(10,720)	(4,597)	(53,468)	248	
..	45	(36,276)	(7,088)	(14,185)	(57,550)	795	
..	82	(36,090)	(9,799)	(4,610)	(50,499)	515	
..	305	(26,226)	(5,273)	(835)	(32,334)	..	
..	(51)	(35,340)	(12,162)	(1,563)	(49,064)	(3)	
<b>Redemptions</b>							
1,420	347	331,862	55,987	(5,255)	(393,105)	–	
1,937	400	366,167	(63,586)	(5,845)	(435,598)	–	
1,653	486	434,796	(59,049)	(8,978)	(502,823)	–	
..	592	(433,138)	(84,804)	(7,695)	(525,637)	–	
..	18	(37,639)	(6,527)	(424)	(44,590)	–	
..	67	(45,142)	(9,197)	(219)	(54,558)	–	
..	11	(25,819)	(5,496)	(556)	(31,872)	–	
..	168	(49,574)	(6,984)	(2,356)	(58,914)	–	
(516)	32	(36,271)	(8,715)	(2,747)	(47,733)	–	
..	10	(35,935)	(6,087)	(673)	(42,694)	–	
..	18	(41,799)	(6,331)	(1,227)	(49,357)	–	
..	69	(39,926)	(6,894)	(2,218)	(49,037)	–	
..	15	(28,628)	(4,661)	(662)	(33,951)	–	
..	234	(28,605)	(7,851)	(2,675)	(39,130)	–	
..	35	(41,374)	(7,240)	(5,084)	(53,698)	–	
..	11	(22,415)	(3,572)	(960)	(26,947)	–	
..	(19)	(28,227)	(4,688)	(535)	(33,450)	–	
<b>Net issues</b>							
–1,420	(2,767)	(14,256)	30,585	(14,382)	(59,223)	9,148	
–1,937	(2,007)	(31,061)	(31,834)	(44,291)	(107,186)	6,171	
–1,653	(5,512)	(29,016)	(32,941)	(35,317)	(97,275)	3,893	
..	(3,442)	(21,293)	(31,560)	(34,556)	(87,409)	8,710	
..	(17)	(15,276)	(2,455)	(–138)	(17,593)	5	
..	(6)	(–8,399)	(2,912)	(1,780)	(–3,708)	122	
..	(662)	(7,426)	(1,774)	(5,363)	(14,563)	..	
..	(1,548)	(–41,921)	(11,201)	(2,327)	(–28,393)	798	
(–516)	(496)	(21,520)	(–1,080)	(1,817)	(22,256)	..	
..	(272)	(9,772)	(3,286)	(5,895)	(18,953)	27	
..	(4)	(7,843)	(9,089)	(–169)	(16,763)	..	
..	(–26)	(12,319)	(2,762)	(–273)	(14,808)	50	
..	(390)	(9,202)	(6,018)	(3,917)	(19,138)	248	
..	(–190)	(7,457)	(–789)	(11,467)	(18,135)	795	
..	(47)	(–5,532)	(2,522)	(–481)	(–3,492)	515	
..	(294)	(3,692)	(1,681)	(–125)	(5,248)	..	
..	(32)	(7,208)	(7,427)	(1,028)	(15,663)	(3)	

## Securities: stocks by groups of investors

(face values; millions of euros)

Classification code:	Bonds and					
	Public					
	BOTs	CCTs variable rate	BTPs	CTZs	Republic of Italy loans	Total government securities
	<i>BOT</i>	<i>CCTV</i>	<i>BTP</i>	<i>CTZ</i>	<i>PRER</i>	<i>TIST</i>
<b>2002</b>						
Central Bank ..... <i>BID</i>	180	8,724	30,896	180	..	41,092
memorandum item: repos ..... <i>PBI</i>	....	....	....	....	—	....
Banks ..... <i>EC</i>	16,363	47,512	24,582	4,724	977	94,074
memorandum item: repos ..... <i>PEC</i>	–9,798	–19,084	–5,635	–176	....	–35,846
Investment funds ..... <i>FC</i>	17,587	33,540	65,344	8,523	1,708	126,702
Social security institutions ..... <i>IPN</i>	161	2,842	5,272	573	..	8,848
Insurance companies ..... <i>CAN</i>	1,917	33,073	76,965	1,588	3,479	117,022
Other ..... <i>EEN</i>	77,532	87,456	467,556	43,605	74,869	753,434
memorandum item: foreign investors ..... <i>EST</i>	43,533	....	326,404	....	82,810	....
TOTAL ... <i>TOT</i>	113,740	213,146	670,615	59,193	81,033	1,141,172
<b>2003</b>						
Central Bank ..... <i>BID</i>	..	10,419	37,584	..	..	49,064
memorandum item: repos ..... <i>PBI</i>	....	....	....	....	—	....
Banks ..... <i>EC</i>	19,093	41,441	21,696	4,794	680	87,607
memorandum item: repos ..... <i>PEC</i>	–13,970	–14,453	–3,030	–1,157	....	–33,591
Investment funds ..... <i>FC</i>	29,749	37,631	60,922	9,233	1,702	139,236
Social security institutions ..... <i>IPN</i>	372	2,283	5,873	508	..	(9,036)
Insurance companies ..... <i>CAN</i>	4,685	40,234	75,849	881	3,131	124,779
Other ..... <i>EEN</i>	65,746	64,341	498,731	37,221	78,250	745,587
memorandum item: foreign investors ..... <i>EST</i>	57,582	....	371,266	....	85,150	....
TOTAL ... <i>TOT</i>	119,645	196,348	700,655	52,636	83,762	1,155,310
<b>June 2004</b>						
Central Bank ..... <i>BID</i>	..	10,689	39,798	..	..	51,498
memorandum item: repos ..... <i>PBI</i>	....	....	....	....	—	....
Banks ..... <i>EC</i>	25,671	41,393	20,262	5,501	857	93,462
memorandum item: repos ..... <i>PEC</i>	–18,574	–14,178	–13,924	–2,578	....	–50,321
Investment funds ..... <i>FC</i>	33,749	36,384	55,524	7,950	2,515	136,123
Other ..... <i>ASN</i>	85,130	107,996	623,948	37,083	(87,887)	(943,470)
memorandum item: foreign investors ..... <i>EST</i>	55,388	....	373,590	....	90,142	....
TOTAL ... <i>TOT</i>	144,550	196,461	739,532	50,535	(91,260)	(1,224,553)
<b>July 2004</b>						
Central Bank ..... <i>BID</i>	..	11,414	39,441	..	..	51,866
memorandum item: repos ..... <i>PBI</i>	....	....	....	....	—	....
Banks ..... <i>EC</i>	20,942	41,922	18,996	5,826	840	88,301
memorandum item: repos ..... <i>PEC</i>	–15,105	–14,308	–2,523	–2,432	....	–35,326
Investment funds ..... <i>FC</i>	37,789	36,958	49,493	8,389	2,527	135,156
Other ..... <i>ASN</i>	85,499	108,667	621,544	39,319	(87,316)	(943,775)
memorandum item: foreign investors ..... <i>EST</i>	....	....	....	....	....	....
TOTAL ... <i>TOT</i>	144,230	198,961	729,474	53,535	(90,683)	(1,219,098)
<b>August 2004</b>						
Central Bank ..... <i>BID</i>	..	11,829	39,634	..	..	52,475
memorandum item: repos ..... <i>PBI</i>	....	....	....	....	—	....
Banks ..... <i>EC</i>	21,242	41,897	17,813	5,280	843	86,844
memorandum item: repos ..... <i>PEC</i>	–14,969	–14,701	–3,579	–2,488	....	–35,986
Investment funds ..... <i>FC</i>	35,409	39,228	50,124	8,860	2,206	135,828
Other ..... <i>ASN</i>	87,449	108,007	620,957	42,145	(87,471)	(947,462)
memorandum item: foreign investors ..... <i>EST</i>	....	....	....	....	....	....
TOTAL ... <i>TOT</i>	144,100	200,961	728,529	56,285	(90,520)	(1,222,610)

**Table 2**  
**TDEE0060**

public sector securities							Listed shares
sector			Total	Banks	Firms	Total	
Autonomous gov. agencies and State Railways	Local authorities						
<i>FS</i>	<i>ET</i>	<i>SPT</i>					
8	..	41,100	164	..	41,264	4,805	
....	....	....	....	....	....	....	
166	3,987	98,227	43,118	7,391	148,736	25,587	
−18	−414	−36,278	−9,377	....	−45,710	....	
590	18	127,310	4,946	5,325	137,582	17,925	
15	..	8,863	1,344	604	10,811	471	
..	109	117,131	24,115	7,171	148,417	(16,768)	
681	10,479	764,594	294,281	(103,128)	(1,162,003)	(381,519)	
....	....	....	....	....	....	59,877	
1,459	14,593	1,157,224	367,969	(123,619)	(1,648,812)	457,992	
8	..	49,072	162	..	49,235	5,299	
....	....	....	....	....	....	....	
103	5,355	93,065	48,285	9,967	151,318	20,684	
−14	−826	−34,431	−9,378	....	−43,932	....	
508	18	139,762	4,832	6,302	150,896	16,595	
33	1	(9,069)	1,374	306	(10,749)	688	
..	107	124,886	28,067	7,844	160,797	(20,968)	
(648)	12,250	(758,485)	317,238	(133,575)	(1,209,298)	(410,319)	
....	....	....	....	....	....	64,851	
(1,299)	17,730	(1,174,340)	399,958	(157,994)	(1,732,292)	487,447	
8	..	51,506	162	..	51,669	5,740	
....	....	....	....	....	....	....	
253	5,379	99,094	54,118	13,923	167,135	32,899	
−45	−1,333	−51,698	−8,604	....	−61,245	....	
411	17	136,552	4,707	6,376	147,635	16,869	
(141)	13,363	(956,974)	360,279	(160,547)	(1,477,800)	(450,957)	
....	....	....	....	....	....	61,893	
(813)	18,759	(1,244,126)	419,267	(180,846)	(1,844,238)	(518,261)	
8	..	51,874	162	..	52,036	5,695	
....	....	....	....	....	....	....	
238	5,440	93,979	53,544	14,086	161,608	....	
−38	−1,892	−37,256	−10,066	....	−48,108	....	
416	17	135,588	4,302	5,880	145,770	16,374	
(159)	13,370	(957,305)	363,819	(160,453)	(1,481,576)	....	
....	....	....	....	....	....	64,929	
(821)	18,827	(1,238,746)	421,826	(180,419)	(1,840,991)	(510,183)	
8	..	52,483	162	..	52,645	5,616	
....	....	....	....	....	....	....	
227	5,541	92,612	53,126	13,952	159,690	....	
−42	−1,724	−37,752	−10,043	....	−48,970	....	
412	17	136,257	4,051	5,746	146,053	16,078	
(169)	13,550	(961,182)	366,188	(160,534)	(1,487,904)	....	
....	....	....	....	....	....	....	
(816)	19,108	(1,242,534)	423,527	(180,231)	(1,846,293)	(503,310)	

## Securities: net purchases by groups of investors

(millions of euros)

Classification code:	Bonds and					
	Public					
	BOTs	CCTs variable rate	BTPs	CTZs	Republic of Italy loans	Total government securities
	<i>BOT</i>	<i>CCTV</i>	<i>BTP</i>	<i>CTZ</i>	<i>PRER</i>	<i>TIST</i>
<b>2002</b>						
Central bank . . . . . <i>BID</i>	175	1,020	17,191	175	..	1,041
Banks . . . . . <i>EC</i>	4,139	-13,257	-13,656	971	-1,253	-22,985
Investment funds . . . . . <i>FC</i>	3,036	7,812	-8,608	4,079	-8	6,310
Social security institutions . . . . . <i>IPN</i>	-376	-374	233	335	..	-182
Insurance companies . . . . . <i>CAN</i>	1,627	13,150	-167	836	-10	15,436
Other . . . . . <i>EEN</i>	-8,671	-20,640	47,370	1,939	5,659	25,536
memorandum item: foreign investors . . . . <i>EST</i>	-12,359	-2,076	33,125	1,314	4,431	....
TOTAL . . . <i>TOT</i>	-70	-12,290	42,364	8,335	4,388	25,157
<b>2003</b>						
Central bank . . . . . <i>BID</i>	-170	1,734	8,245	-181	..	9,629
Banks . . . . . <i>EC</i>	2,731	-5,912	-2,521	195	-567	-5,851
Investment funds . . . . . <i>FC</i>	12,457	4,506	-4,295	1,777	136	14,581
Social security institutions . . . . . <i>IPN</i>	(211)	(-559)	(601)	(-65)	..	(188)
Insurance companies . . . . . <i>CAN</i>	2,737	6,516	-1,129	-657	-356	7,111
Other . . . . . <i>EEN</i>	(-12,060)	(-22,599)	(30,863)	(-8,976)	(6,369)	(-7,807)
memorandum item: foreign investors . . . . <i>EST</i>	13,949	-1,834	49,545	-4,461	2,990	....
TOTAL . . . <i>TOT</i>	5,905	-16,313	31,764	-7,907	(5,582)	(17,851)
<b>June 2004</b>						
Central bank . . . . . <i>BID</i>	..	131	148	..	..	280
Banks . . . . . <i>EC</i>	-1,426	2,180	1,839	7	-113	2,487
Investment funds . . . . . <i>FC</i>	1,090	281	1,366	-1,171	70	1,636
Other . . . . . <i>ASN</i>	331	131	6,685	-5,538	(1,634)	(3,244)
memorandum item: foreign investors . . . . <i>EST</i>	2,362	9,208	8,235	-2,945	1,533	....
TOTAL . . . <i>TOT</i>	-5	2,723	10,039	-6,701	(1,591)	(7,647)
<b>July 2004</b>						
Central bank . . . . . <i>BID</i>	..	731	-348	..	..	383
Banks . . . . . <i>EC</i>	-4,728	431	-1,257	304	-23	-5,277
Investment funds . . . . . <i>FC</i>	4,145	837	-5,660	462	42	-174
Other . . . . . <i>ASN</i>	263	530	-2,937	2,079	(-450)	(-511)
memorandum item: foreign investors . . . . <i>EST</i>	....	....	....	....	....	....
TOTAL . . . <i>TOT</i>	-320	2,529	-10,202	2,845	(-431)	(-5,579)
<b>August 2004</b>						
Central bank . . . . . <i>BID</i>	..	418	215	..	..	633
Banks . . . . . <i>EC</i>	300	74	-1,125	-521	-3	-1,276
Investment funds . . . . . <i>FC</i>	-2,158	2,028	473	411	-339	414
Other . . . . . <i>ASN</i>	1,729	-498	-527	2,735	(186)	(3,627)
memorandum item: foreign investors . . . . <i>EST</i>	....	....	....	....	....	....
TOTAL . . . <i>TOT</i>	-130	2,023	-964	2,625	(-156)	(3,398)



**Table 3**  
**TDEE0070**

public sector securities							Listed shares
sector			Total	Banks	Firms	Total	
Autonomous gov. agencies and State Railways	Local authorities						
FS	ET	SPT					
..	..	1,041	−1	−20	1,020	346	
−57	1,133	−21,909	6,083	−1,975	−17,801	8,947	
−44	9	6,274	−409	1,089	6,954	−1,133	
6	..	−176	−220	400	4	107	
..	49	15,485	3,585	2,669	21,739	(−4,799)	
−1,557	(4,321)	(28,301)	(23,904)	(33,154)	(85,359)	(425)	
....	....	....	....	....	....	−7,155	
−1,653	(5,512)	(29,016)	(32,941)	(35,317)	(97,275)	3,893	
..	..	9,629	−2	..	9,627	96	
−58	1,373	−4,536	5,570	2,572	3,606	−8,085	
21	−1	14,602	−86	867	15,383	229	
18	1	(207)	(30)	(−298)	(−62)	147	
..	−2	7,109	4,161	629	11,899	(4,200)	
(19)	(2,071)	(−5,717)	(21,887)	(30,786)	(46,955)	(12,123)	
....	....	....	....	....	....	−2,191	
..	(3,442)	(21,293)	(31,560)	(34,556)	(87,409)	8,710	
..	..	280	5	..	285	..	
4	−41	2,450	343	1,303	4,096	−3,830	
..	..	1,636	−24	27	1,638	−80	
(−4)	(−148)	(3,092)	(−1,114)	(10,137)	(12,115)	4,705	
....	....	....	....	....	....	500	
..	(−190)	(7,457)	(−789)	(11,467)	(18,135)	795	
..	..	383	..	..	382	3	
−15	59	−5,233	−558	192	−5,600	....	
..	..	−174	−334	−450	−958	74	
(15)	(−12)	(−508)	(3,414)	(−223)	(2,683)	....	
....	....	....	....	....	....	(4,419)	
..	(47)	(−5,532)	(2,522)	(−481)	(−3,492)	(511)	
..	..	633	..	..	633	12	
−11	101	−1,186	−337	−140	−1,663	....	
..	..	414	−284	−165	−36	−219	
(11)	(193)	(3,831)	(2,302)	(181)	(6,314)	....	
....	....	....	....	....	....	(447)	
..	(294)	(3,692)	(1,681)	(−125)	(5,248)	..	

## Bonds and government securities listed on MOT

	Yields to maturity						Turnover (millions of euros)		
	Government securities					Banks (Rendiob)	Government securities	Bonds	Total
	BOTs	CCTs variable rate	CTZs	BTPs	Rendistato				
	<i>S640049M</i>	<i>S217599M</i>	<i>S090670M</i>	<i>S548464M</i>	<i>S946483M</i>	<i>S637277M</i>	<i>S881362D</i>	<i>S110858D</i>	<i>S200454M</i>
2000 .....	4.438	4.582	4.698	5.594	5.353	5.798	129,602	....	....
2001 .....	4.025	4.345	4.040	5.170	4.722	5.135	116,997	....	....
2002 .....	3.255	3.373	3.488	4.945	4.445	4.899	136,252	....	....
2003 .....	2.197	2.305	2.298	4.275	3.578	3.874	122,131	....	....
2003 – Oct. ....	2.083	2.142	2.321	4.428	3.759	3.913	14,412	....	....
Nov. ....	2.139	2.190	2.424	4.529	3.875	4.024	11,431	....	....
Dec. ....	2.099	2.177	2.352	4.500	3.818	4.044	9,052	....	....
2004 – Jan. ....	2.024	2.135	2.179	4.381	3.631	3.802	13,424	....	....
Feb. ....	1.992	2.079	2.114	4.339	3.552	3.685	12,845	....	....
Mar. ....	1.927	2.038	1.987	4.182	3.388	3.478	13,092	....	....
Apr. ....	1.989	1.931	2.151	4.348	3.583	3.647	12,416	....	....
May ....	2.082	2.099	2.320	4.488	3.754	3.730	11,507	....	....
June ....	2.133	2.191	2.432	4.538	3.844	3.903	10,059	....	....
July ....	2.097	2.223	2.374	4.445	3.791	3.740	10,441	....	....
Aug. ....	2.067	2.229	2.302	4.310	3.641	3.595	8,755	....	....
Sept. ....	2.121	2.183	2.380	4.267	3.648	3.529	10,825	....	....
Oct. ....	2.106	2.220	2.294	4.165	3.528	3.445	10,289	....	....
	<i>S013515M</i>	<i>S946533M</i>	<i>S100634M</i>	<i>S152749M</i>	<i>S580378M</i>	<i>S449569M</i>			
Memorandum item: Outstanding debt at face value (millions of euros)									
2004 – Oct. ....	133,845	196,395	58,313	735,679	622,254	1,898			

## MTS: turnover

(millions of euros)

	Turnover				
	BOTs	CTZs	BTPs	CCTs variable rate	Total government securities
	<i>S172375D</i>	<i>S681083D</i>	<i>S862088D</i>	<i>S652512D</i>	<i>S199164D</i>
2000 .....	53,278	132,839	1,457,513	332,163	1,975,463
2001 .....	65,625	162,330	1,613,281	461,973	2,303,209
2002 .....	160,678	139,321	1,325,010	556,803	2,181,811
2003 .....	176,898	196,063	1,149,475	613,898	2,136,965
2002 – 3rd qtr. ....	45,263	36,166	337,410	152,173	571,011
4th " .....	41,128	27,043	253,528	140,215	461,913
2003 – 1st qtr. ....	28,333	27,788	269,730	137,663	463,513
2nd " .....	41,088	57,798	293,580	133,053	525,518
3rd " .....	49,325	56,053	326,155	223,933	656,095
4th " .....	58,153	54,425	260,010	119,250	491,840
2004 – 1st qtr. ....	64,655	33,818	311,775	141,328	555,003
2nd " .....	66,035	34,553	255,723	103,520	459,865
3rd " .....	80,225	34,448	254,993	93,245	467,298
2003 – Oct. ....	17,730	24,800	99,285	61,908	203,723
Nov. ....	21,398	16,168	88,758	32,543	158,865
Dec. ....	19,025	13,458	71,968	24,800	129,253
2004 – Jan. ....	22,343	10,743	118,115	35,170	189,690
Feb. ....	19,338	11,008	86,630	41,470	158,445
Mar. ....	22,975	12,068	107,030	64,688	206,868
Apr. ....	17,210	11,340	72,425	40,670	141,680
May ....	23,703	11,645	85,428	29,115	149,890
June ....	25,123	11,568	97,870	33,735	168,295
July ....	26,425	10,975	81,793	27,445	151,025
Aug. ....	27,985	10,865	78,413	39,528	156,790
Sept. ....	25,815	12,608	94,788	26,273	159,483
Oct. ....	22,323	11,073	76,563	30,625	142,900

**MTS: average residual maturity and duration**

(end-of-period data; years)

	Average residual maturity				
	BOTs	CTZs	BTPs	CCTs	Total government securities
	S627697M	S143561M	S160891M	S202892M	S218082M
2000 .....	0.39	0.71	7.00	3.02	4.73
2001 .....	0.37	1.08	6.95	2.59	4.96
2002 .....	0.37	0.89	7.38	3.23	5.44
2003 .....	0.37	0.88	8.00	3.78	6.02
2002 – 3rd qtr. ....	0.37	0.99	7.18	3.07	5.15
4th " .....	0.37	0.89	7.38	3.23	5.44
2003 – 1st qtr. ....	0.39	0.90	7.39	3.47	5.47
2nd " .....	0.40	0.95	7.65	3.61	5.64
3rd " .....	0.37	0.94	8.09	3.65	5.92
4th " .....	0.37	0.88	8.00	3.78	6.02
2004 – 1st qtr. ....	0.39	0.91	8.28	3.87	6.22
2nd " .....	0.39	1.02	8.34	3.97	6.29
3rd " .....	0.36	0.92	8.49	4.02	6.35
2003 – Oct. ....	0.36	0.87	8.08	3.77	5.96
Nov. ....	0.35	0.82	7.99	3.74	5.89
Dec. ....	0.37	0.88	8.00	3.78	6.02
2004 – Jan. ....	0.38	0.83	8.10	3.78	6.07
Feb. ....	0.39	0.78	8.14	3.90	6.12
Mar. ....	0.39	0.91	8.28	3.87	6.22
Apr. ....	0.40	0.92	8.36	4.03	6.30
May ....	0.41	0.89	8.33	4.01	6.25
June ....	0.39	1.02	8.34	3.97	6.29
July ....	0.38	0.98	8.47	3.93	6.34
Aug. ....	0.37	0.96	8.38	4.08	6.30
Sept. ....	0.36	0.92	8.49	4.02	6.35
Oct. ....	0.36	0.87	8.40	3.97	6.29

**Table 6**  
**TDEE0106**

	Duration				Total government securities
	BOTs	CTZs	BTPs	CCTs	
	S237228M	S360605M	S403427M	S447276M	S461393M
	0.39	0.71	4.98	0.34	3.07
	0.37	1.08	4.95	0.29	3.27
	0.37	0.74	5.48	0.30	3.74
	0.37	0.89	5.58	0.28	4.07
	0.37	0.99	5.32	0.34	3.53
	0.37	0.74	5.48	0.30	3.74
	0.39	0.89	5.54	0.36	3.79
	0.39	0.94	5.83	0.23	3.97
	0.37	0.93	5.99	0.36	4.08
	0.37	0.89	5.58	0.28	4.07
	0.39	0.91	6.17	0.35	4.30
	0.39	1.01	6.06	0.30	4.21
	0.36	0.91	6.30	0.34	4.37
	0.36	0.86	5.92	0.33	4.04
	0.35	0.81	5.81	0.32	3.95
	0.37	0.89	5.58	0.28	4.07
	0.38	0.83	5.95	0.29	4.11
	0.39	0.78	6.04	0.32	4.20
	0.39	0.91	6.17	0.35	4.30
	0.40	0.91	6.15	0.31	4.28
	0.40	0.89	6.05	0.35	4.20
	0.39	1.01	6.06	0.30	4.21
	0.38	0.98	6.23	0.30	4.30
	0.37	0.95	6.22	0.30	4.33
	0.36	0.91	6.30	0.34	4.37
	0.35	0.86	6.31	0.33	4.39

## Yields of benchmark government securities

(period averages)

	Gross yields						
	BTPs					CCTs	CTZs
	3-year	5-year	10-year	30-year	Total		
	S433687D	S249982D	S167005D	S306427D	S258771M	S213569D	S225155D
2000 .....	5.133	5.293	5.579	5.985	5.353	4.630	4.962
2001 .....	4.308	4.638	5.188	5.790	4.722	4.424	4.144
2002 .....	4.037	4.488	5.036	5.487	4.445	3.449	3.723
2003 .....	2.809	3.358	4.247	5.037	3.578	2.361	2.477
2002 – 3rd qtr. ....	3.857	4.329	4.860	5.313	4.293	3.490	3.614
4th " .....	3.378	3.910	4.687	5.272	3.981	3.125	3.031
2003 – 1st qtr. ....	2.802	3.360	4.242	4.983	3.548	2.682	2.557
2nd " .....	2.561	3.074	4.052	4.875	3.355	2.419	2.282
3rd " .....	2.818	3.332	4.244	5.078	3.592	2.145	2.416
4th " .....	3.051	3.662	4.448	5.205	3.817	2.212	2.654
2004 – 1st qtr. ....	2.697	3.267	4.272	5.072	3.524	2.136	2.237
2nd " .....	2.943	3.573	4.466	5.187	3.727	2.119	2.600
3rd " .....	2.922	3.452	4.323	5.010	3.693	2.254	2.615
2003 – Oct. ....	3.001	3.602	4.382	5.172	3.759	2.186	2.611
Nov. ....	3.125	3.741	4.511	5.239	3.875	2.232	2.723
Dec. ....	3.034	3.653	4.459	5.211	3.818	2.221	2.635
2004 – Jan. ....	2.788	3.429	4.317	5.149	3.631	2.190	2.379
Feb. ....	2.780	3.316	4.343	5.109	3.552	2.134	2.266
Mar. ....	2.543	3.077	4.169	4.971	3.388	2.090	2.082
Apr. ....	2.741	3.365	4.351	5.104	3.583	1.970	2.375
May .....	2.914	3.617	4.493	5.226	3.754	2.143	2.650
June .....	3.155	3.721	4.544	5.226	3.844	2.231	2.756
July .....	3.032	3.591	4.440	5.126	3.791	2.262	2.635
Aug. ....	2.859	3.402	4.277	4.990	3.641	2.273	2.584
Sept. ....	2.874	3.365	4.251	4.916	3.648	2.227	2.627
Oct. ....	2.708	3.192	4.129	4.822	3.528	2.269	2.476

## Features of the main government securities issued in the last twelve months

## Treasury bills (BOTs)

(situation at 31 October 2004)

Code number	SECURITY			Issue date	Average issue price	Yield at issue	Quantity offered (millions of euros)	Quantity demanded (millions of euros)	Quantity allotted (millions of euros)
S763236A	S679030A			S857778A	S917108A	S077168A	S202796A	S609404A	S198963A
356145	BOT	16.2.04	3 months	14.11.03	99.48	2.01	3,250	8,232	3,250
356146	BOT	15.11.04	12 months	14.11.03	97.64	2.37	4,500	15,833	4,500
356144	BOT	31.5.04	6 months	28.11.03	98.94	2.08	7,750	14,661	7,750
358607	BOT	15.12.04	12 months	15.12.03	97.71	2.30	6,000	10,243	6,000
358607	BOT	15.12.04	11 months	2.1.04	97.92	2.20	1,500	6,191	1,500
358610	BOT	30.6.04	6 months	2.1.04	98.99	2.05	9,000	15,625	9,000
360793	BOT	15.4.04	3 months	15.1.04	99.51	1.96	4,000	7,362	4,000
360795	BOT	14.1.05	12 months	15.1.04	97.95	2.07	7,000	16,829	7,000
360796	BOT	30.7.04	6 months	30.1.04	99.00	1.99	9,625	17,836	8,850
362142	BOT	14.5.04	3 months	16.2.04	99.52	1.96	4,000	8,324	4,000
362143	BOT	15.2.05	12 months	16.2.04	97.93	2.09	7,000	16,608	7,000
358607	BOT	15.12.04	10 months	27.2.04	98.40	2.01	2,500	6,486	2,500
362141	BOT	31.8.04	6 months	27.2.04	98.99	1.97	8,800	16,374	8,100
363250	BOT	15.6.04	3 months	15.3.04	99.50	1.96	3,500	10,827	3,500
363253	BOT	15.3.05	12 months	15.3.04	98.03	1.98	7,000	14,296	7,000
363251	BOT	30.9.04	6 months	31.3.04	99.08	1.82	8,800	15,183	8,005
364677	BOT	23.12.04	9 months	31.3.04	98.67	1.82	2,500	5,238	2,500
365040	BOT	15.7.04	3 months	15.4.04	99.51	1.94	4,500	9,651	4,500
365042	BOT	15.4.05	12 months	15.4.04	97.99	2.03	7,500	13,346	7,500
364677	BOT	23.12.04	8 months	30.4.04	98.69	2.02	2,000	5,680	2,000
365041	BOT	29.10.04	6 months	30.4.04	99.01	1.99	9,750	13,859	9,750
365959	BOT	16.5.05	12 months	14.5.04	97.77	2.24	6,500	11,783	6,500
365962	BOT	16.8.04	3 months	14.5.04	99.48	1.99	3,500	8,028	3,500
365956	BOT	30.11.04	6 months	31.5.04	98.97	2.05	8,800	15,039	8,350
367637	BOT	15.6.05	12 months	15.6.04	97.72	2.31	5,000	11,201	5,000
367638	BOT	15.9.04	3 months	15.6.04	99.49	2.02	3,000	8,779	3,000
367636	BOT	31.12.04	6 months	30.6.04	98.95	2.08	9,900	15,803	9,495
368874	BOT	15.10.04	3 months	15.7.04	99.49	2.00	4,000	8,141	4,000
368875	BOT	15.7.05	12 months	15.7.04	97.78	2.24	5,000	10,062	5,000
368872	BOT	31.1.05	6 months	30.7.04	98.93	2.10	9,900	17,369	9,030
369848	BOT	15.11.04	3 months	16.8.04	99.51	1.97	3,000	7,555	3,000
369855	BOT	15.8.05	12 months	16.8.04	97.83	2.19	5,000	11,380	5,000
369844	BOT	28.2.05	6 months	31.8.04	98.98	2.05	8,800	16,471	8,470
372326	BOT	15.12.04	3 months	15.9.04	99.50	1.99	3,000	6,789	3,000
372329	BOT	15.9.05	12 months	15.9.04	97.74	2.28	6,500	12,785	6,500
372330	BOT	31.3.05	6 months	30.9.04	98.95	2.11	8,000	13,586	8,000
373500	BOT	14.1.05	3 months	15.10.04	99.50	1.98	3,500	6,373	3,500
373502	BOT	14.10.05	12 months	15.10.04	97.82	2.21	5,500	10,662	5,500
373503	BOT	29.4.05	6 months	29.10.04	98.96	2.07	9,500	17,146	9,500

## Features of the main government securities issued in the last twelve months

## Variable rate Treasury credit certificates (CCTs)

(situation at 31 October 2004)

Code number	SECURITY	Issue date	Issue price	Allotment price	Yield at issue	Quantity issued (millions of euros)	Buyback date	Quantity bought back (millions of euros)	Spread	Current coupon (gross)	
S101952A	S459614A	S586768A	S940283A	S847675A	S028590A	S216181A	S037327A	S073720A	S357642A	S465450A	
349715	CCT	1.6.10	3.11.03	101.37	101.28	2.20	3,000	–	–	0.15	1.15
360538	CCT	1.12.10	2.1.04	101.32	101.32	2.11	4,000	–	–	0.15	1.15
360538	CCT	1.12.10	2.2.04	101.32	101.37	2.10	3,500	–	–	0.15	1.15
360538	CCT	1.12.10	1.3.04	101.32	101.40	2.09	4,025	–	–	0.15	1.15
360538	CCT	1.12.10	1.4.04	101.32	101.44	1.88	4,000	–	–	0.15	1.15
305776	CCT	1.7.05	8.4.04	100.00	100.00	–	2	–	–	0.15	1.20
365800	CCT	1.5.11	3.5.04	101.31	101.31	2.11	4,000	–	–	0.15	1.20
339905	CCT	1.7.09	14.5.04	100.00	100.00	–	–	–	–	0.15	1.20
365800	CCT	1.5.11	1.6.04	101.31	101.26	2.11	3,000	–	–	0.15	1.20
365800	CCT	1.5.11	1.7.04	101.31	101.14	2.22	2,500	–	–	0.15	1.20
365800	CCT	1.5.11	2.8.04	101.31	101.14	2.22	2,000	–	–	0.15	1.20
365800	CCT	1.5.11	1.9.04	101.31	101.20	2.21	2,000	–	–	0.15	1.20
365800	CCT	1.5.11	1.10.04	101.31	101.24	2.21	2,000	–	–	0.15	1.20



## Features of the main government securities issued in the last twelve months

## Treasury bonds (BTPs)

(situation at 31 October 2004)

Code number	SECURITY	Issue date	Issue price	Allotment price	Yield at issue	Quantity issued (millions of euros)	Buyback date	Quantity bought back (millions of euros)	Spread coupon (gross)
S312052A	S589859A	S766112A	S004628A	S844517A	S258031A	S529222A	S309259A	S489453A	S948349A
347233	BTP	1.8.13	3.11.03	100.04	99.14	4.40	2,550	—	2.125
352225	BTP	1.9.06	3.11.03	99.29	99.33	3.02	2,000	—	1.375
349325	BTP	1.2.19	17.11.03	99.16	93.75	4.89	2,750	—	2.125
352225	BTP	1.9.06	17.11.03	99.29	99.10	3.11	2,200	—	1.375
353209	BTP	15.9.08	17.11.03	100.41	99.12	3.73	2,200	—	1.750
347233	BTP	1.8.13	2.1.04	100.04	99.51	4.36	2,520	—	2.125
352225	BTP	1.9.06	2.1.04	99.29	99.74	2.87	2,750	—	1.375
353209	BTP	15.9.08	16.1.04	100.41	100.91	3.31	2,500	—	1.750
361115	BTP	15.1.07	16.1.04	99.92	99.92	2.79	4,000	—	1.375
353515	BTP	1.8.34	26.1.04	98.11	98.86	—	4,000	—	2.500
361115	BTP	15.1.07	2.2.04	99.92	99.77	2.85	2,500	—	1.375
361838	BTP	1.8.14	2.2.04	99.20	99.20	4.39	4,000	—	2.125
349325	BTP	1.2.19	16.2.04	99.16	96.20	4.65	2,200	—	2.125
353209	BTP	15.9.08	16.2.04	100.41	101.26	3.22	2,200	—	1.750
362590	BTP	15.9.14	18.2.04	99.05	99.05	—	5,000	—	1.075
361115	BTP	15.1.07	1.3.04	99.92	100.47	2.59	3,300	—	1.375
361838	BTP	1.8.14	1.3.04	99.20	100.35	4.25	3,300	—	2.125
353209	BTP	15.9.08	15.3.04	100.41	102.27	2.97	3,000	—	1.750
364476	BTP	1.2.20	24.3.04	100.00	100.00	—	8,000	—	2.250
361115	BTP	15.1.07	1.4.04	99.92	100.95	2.41	3,500	—	1.375
361838	BTP	1.8.14	1.4.04	99.20	101.35	4.13	3,000	—	2.125
353291	BTP	15.9.08	2.4.04	99.79	102.52	—	3,250	—	0.825
353515	BTP	1.8.34	15.4.04	98.11	99.60	5.08	2,500	—	2.500
365207	BTP	15.4.09	15.4.04	98.62	98.62	3.33	4,000	—	1.500
362590	BTP	15.9.14	26.4.04	99.05	99.51	—	3,500	—	1.075
361115	BTP	15.1.07	3.5.04	99.92	99.96	2.78	3,300	—	1.375
361838	BTP	1.8.14	3.5.04	99.20	99.32	4.38	3,300	—	2.125
353515	BTP	1.8.34	17.5.04	98.11	97.15	5.25	2,541	—	2.500
365207	BTP	15.4.09	17.5.04	98.62	97.36	3.62	2,500	—	1.500
349325	BTP	1.2.19	24.5.04	99.16	100.00	4.37	1,402	—	2.125
361838	BTP	1.8.14	1.6.04	99.20	99.07	4.41	3,000	—	2.125
367423	BTP	1.6.07	1.6.04	100.27	100.27	2.93	4,000	—	1.500
365207	BTP	15.4.09	16.6.04	98.62	96.87	3.75	2,750	—	1.500
349325	BTP	1.2.19	18.6.04	99.16	100.00	4.37	1,276	—	2.125
361838	BTP	1.8.14	1.7.04	99.20	98.87	4.43	3,000	—	2.125
367423	BTP	1.6.07	1.7.04	100.27	99.97	3.03	3,000	—	1.500
364476	BTP	1.2.20	15.7.04	100.00	97.66	4.76	2,515	—	2.250
365207	BTP	15.4.09	15.7.04	98.62	97.98	3.49	2,500	—	1.500
361838	BTP	1.8.14	2.8.04	99.20	99.08	4.41	2,200	—	2.125
367423	BTP	1.6.07	2.8.04	100.27	100.06	3.00	2,200	—	1.500
367423	BTP	1.6.07	1.9.04	100.27	100.72	2.74	2,500	—	1.500
371991	BTP	1.2.15	1.9.04	100.43	100.43	4.24	4,500	—	2.125
353515	BTP	1.8.34	17.9.04	98.11	102.55	4.89	2,500	—	2.500

## Features of the main government securities issued in the last twelve months

## Treasury bonds (BTPs)

(situation at 31 October 2004)

Code number	SECURITY		Issue date	Issue price	Allotment price	Yield at issue	Quantity issued (millions of euros)	Buyback date	Quantity bought back (millions of euros)	Spread coupon (gross)
S312052A	S589859A		S766112A	S004628A	S844517A	S258031A	S529222A	S309259A	S489453A	S948349A
365207	BTP	15.4.09	17.9.04	98.62	98.90	3.29	2,000	—	—	1.500
362590	BTP	15.9.14	30.9.04	99.05	103.21	1.80	2,000	—	—	1.075
367423	BTP	1.6.07	1.10.04	100.27	100.72	2.74	2,000	—	—	1.500
371991	BTP	1.2.15	1.10.04	100.43	101.38	4.12	2,500	—	—	2.125
365207	BTP	15.4.09	18.10.04	98.62	99.77	3.08	2,050	—	—	1.500

## Features of the main government securities issued in the last twelve months

## Treasury zero-coupon bonds (CTZs)

(situation at 31 October 2004)

Code number	SECURITY		Issue date	Issue price	Allotment price	Yield at issue	Quantity outstanding <i>(millions of euros)</i>
S306736A	S596681A		S631624A	S642165A	S653997A	S667454A	S710303A
353172	CTZ	31.8.05	2.1.04	95.22	96.10	2.42	2,200
353172	CTZ	31.8.05	30.1.04	95.22	96.59	2.21	2,200
353172	CTZ	31.8.05	27.2.04	95.22	96.92	2.09	2,750
364676	CTZ	28.4.06	31.3.04	95.76	95.76	2.11	4,000
364676	CTZ	28.4.06	30.4.04	95.76	95.30	2.44	3,000
364676	CTZ	28.4.06	31.5.04	95.76	95.29	2.56	2,200
364676	CTZ	28.4.06	30.6.04	95.76	95.46	2.58	3,000
369706	CTZ	31.7.06	30.7.04	94.84	94.84	2.68	3,000
369706	CTZ	31.7.06	31.8.04	94.84	95.45	2.46	2,750
369706	CTZ	31.7.06	30.9.04	94.84	95.63	2.47	2,028

## METHODOLOGICAL APPENDIX

### GENERAL INDICATIONS

As of number 53 of 10 October 2003, the series showing the securities issued by the State Railways, local authorities and firms (Tables TDEE0050, TDEE0060 and TDEE0070 of The Financial Market Supplement to the Statistical Bulletin) include issues in currencies other than the euro. In addition, the series showing total bonds and government securities no longer include bonds issued by international institutions and listed on Italian markets and will refer only to issues by residents.

As of issue number 25 of 10 May 2002, the series showing the securities issued or held by banks published in Tables TDEE0050, TDEE0060 and TDEE0070 are amended in the following ways. From January 1999 the series of non-equity securities refer to the entire universe of banks, instead of the Bank of Italy's monthly sample. The listed shares series, which previously covered only portfolio investments and participations in non-financial companies, also include participations in financial companies. From January 1999 the data of the corporate bonds series, which previously covered only investments in medium and long-term unsecured and unsubordinated securities, also include money market securities, securities issued in connection with securitizations and subordinated securities.

As of 1 July 1998, with the entry into force of Legislative Decree 461 /1997, the net yield of securities held by physical persons and those likened to them can no longer be uniquely determined ex ante since it depends not only on the 12.5% withholding tax levied in lieu of income tax but also on each investor's tax position and, from 1 January to 3 August 2001, the size of the "adjustment factor" referred to in Article 4 of the same decree. Consequently, the publication of the net yield of securities has been suspended from that date.

The new International Securities Identification Number (ISIN) system came into force on 1 January 1997. The new code numbers have twelve positions and use the old UIC code numbers. For example, the ISIN for 30-year BTPs whose code number was UIC 36665 is IT000036665x, where "x" is the numerical control code.

#### YIELDS TO MATURITY

The algorithm currently used to compute yields (Tables TDEE0085, TDEE0115, TDEE0120, TDEE0121, TDEE0122 and TDEE0123) is based on an iterative process for the solution of an equation in which the unknown variable is the effective yield itself, i.e. the discount rate that equalizes the present value of the future instalments of the bond and the related cum-coupon price. The formula used to calculate the effective yield gross of withholding tax is as follows:

$$PTQ = A1(1+R)^{GG1/YEAR} + A2(1+R)^{GG2/YEAR} + \dots + An(1+R)^{GGn/YEAR}$$

where:

R is the yield to maturity;

GGn is the difference in days (calendar year) between instalment payment dates (the next day where the payment date is a non-working day) and the settlement date;

YEAR is equal to 365 for securities carrying coupons and CTZs and to 360 for BOTs;

PTQ is the cum-coupon price equal to the sum of the excoupon price and accrued interest, calculated net of withholding tax up to 31 December 1996 as follows:

$$QI \cdot (1-T) \cdot GG/GGT$$

where:

QI is the gross coupon,

$QI \cdot (1-T) \cdot GG / GGT$  where:

T is the tax rate,

GG are the days of interest accrued (calculated considering the interest accrual date and the settlement date); as of 1 January 1997 gross accrued interest is considered,

GGT is the difference between the coupon date and the interest accrual date;

A1, A2, ..., An are the instalments of the security, comprising:

a) interest and principal for securities redeemed gradually and interest for n–1 instalments and interest and principal for the n–th instalment for securities redeemed at maturity (for BOTs and CTZs there is only one instalment consisting of the principal redeemed);

b) until 31 December 1996, the principal included in instalments was reduced by the tax credit on the issue discount accrued at the settlement date, equal to:

$$T \cdot (VR - VE) \cdot GG / V$$

where:

T is the tax rate,

VR is the redemption value of the principal,

VE is the reference value of the bond for tax purposes,

GG is the difference between the settlement and issue dates of the security (on the basis of the business year and including both extremes),

V is the difference between the maturity and issue dates of the security (on the basis of the business year and including one extreme);

c) until 31 December 1996, the interest included in the instalment pay able (A1) was reduced by the tax credit already accrued at the settlement date, equal to:

$QI \cdot T \cdot (GG / 180)$  in the case of semiannual interest payments;

$QI \cdot T \cdot (GG / 360)$  in the case of annual interest payments;

where:

QI is the gross coupon, T is the tax rate, GG is the difference

T is the tax rate,

GG is the difference between the settlement and the interest accrual date (on the basis of the business year and including both extremes); as of 1 January 1997 the adjustments under b) and c) no longer apply.

In the case of securities redeemed by drawing, the procedure automatically modifies the amortization plans of securities that have been drawn and excludes their face value and the related interest from the calculation; naturally, the principal balance also declines as of the date of the draw.

The following conventions are incorporated in the algorithm for computing yields:

– as of the coupon that starts to mature on 1 January 1999, the calculation of accrued interest for coupon securities is based on the calendar year instead of the business year; for BOTs issued as of 1 January 1999 the yield calculation is based on “actual days/360” instead of “actual days/365”; for CTZs, on the other hand, it continues to be based on actual days/365;

– the date for computing yields is the actual settlement date (the third working day subsequent to the trade date; for BOTs, the second work day);

– where the maturity date of a flow is a non-working day, it is shifted to the next working day;

– interest is compounded for each coupon period or fraction thereof;

– until 31 December 1996, in computing gross yields, interest payable and the nominal redemption value of securities are reduced, respectively, by the tax credit in respect of the interest and the issue discount accrued at the settlement date of the security;

– until 31 December 1996, in computing gross yields, the cum-coupon price of securities is calculated by summing the ex coupon price and the interest accrued at the settlement date net of the 12.5% withholding tax; as of 1 January 1997, the gross interest accrued is used.

## NOTES TO THE TABLES

*The order of the tables in the following notes is based on their code numbers. The notes to each table are set out below, together with references to the “Notes to the classification variables” section where appropriate.*

### **TDEE0050 – SECURITIES: GROSS AND NET ISSUES**

Rounding may cause the sum of the separate items to differ from the total shown.

Gross issues: the face value of the securities placed, except for shares, which are included at market value; Republic of Italy loans are converted at the exchange rate obtaining on the issue date. Redemptions: the face value of the securities redeemed, including buybacks; Republic of Italy loans are converted at the exchange rate obtaining on the maturity date.

In December 2002 the gross issues of BTPs include the securities with a total face value of 15,416 million euros assigned to the Bank of Italy in the government bond conversion which involved the early redemption of the BTPs held by the Bank of Italy with a total face value of 39,357 million euros issued in November 1994 to consolidate the overdraft on the Treasury’s current account with the Bank of Italy. The value of the BTPs redeemed is included for that month in the redemptions for “Total government securities” and not in the redemptions for “BTPs” since the securities in question were not issued at market conditions.

Net issues: the face value of the securities placed, net of issue discounts and the face value of the securities redeemed. From December 2002 buybacks of public sector securities are valued at the transaction price. For BOTs: the difference between the face value of issues and redemptions. Net issues of Republic of Italy loans include accounting lags.

The figures in the table refer only to securities of resident issuers. The following components are described in the notes to the classification variables: FS, IMPT, PRER, SPT, TIST.

### **TDEE0060 – SECURITIES: STOCKS BY GROUPS OF INVESTORS**

Rounding may cause the sum of the separate items to differ from the total shown.

Stocks of bonds and public sector securities are shown at face value for all subscribers except “foreign investors”, for which they are shown at market value. Republic of Italy loans are converted at the exchange rate obtaining at the end of the reference period.

Repos, which are shown for the central bank and banks, refer to the overall difference between temporary purchases and sales measured at face value.

In December 2002 the stocks of government securities reflect the government bond conversion in which BTPs with a total face value of 15,416 million euros were assigned to the Bank of Italy in connection with the early redemption of government securities with a total face value of 39,357 million 1994 to consolidate the overdraft on the Treasury’s current account with the Bank of Italy.

The data on investment funds refer to harmonized open-end UCITS established under Italian law. Listed shares in the portfolios of insurance companies and social security institutions are included at book value; those held by other investors, at market value. The figure for foreign investors is partly estimated. It refers to net portfolio investment purchases of non-bank shares and, as of 1999, of bank and non-bank shares. The series dates back to December 1988; the value for that date was estimated by the UIC.

The figures for listed shares held by banks are partially estimated; they include both portfolio investments and participations. For all the other categories of securities, the figures for banks refer to the Bank of Italy’s monthly sample until December 1998 and to the entire universe of banks from January 1999.

The figures in the table refer only to securities of resident issuers. The following components are described in the notes to the classification variables: FS, IMPT, PRER, SPT, TIST.

#### **TDEE0070 – SECURITIES: NET PURCHASES BY GROUPS OF INVESTORS**

Rounding may cause the sum of the separate items to differ from the total shown.

Net issues: the face value of the securities placed, net of issue discounts, and the face value of the securities redeemed. From December 2002 buybacks of government securities are valued at the transaction price. For BOTs: the difference between the face value of issues and redemptions.

In December 2002 the net issues and net purchases of government securities reflect the government bond conversion in which BTPs with a total face value of 15,416 million euros were assigned to the Bank of Italy in connection with the early redemption of government securities with a total face value of 39,357 million euros issued in November 1994 to consolidate the overdraft on the Treasury's current account with the Bank of Italy.

For the central bank, investment funds and foreign investors, net purchases are obtained as the difference between purchases and sales at market prices. For social security institutions, they are obtained as the change in the par value of the stock. For insurance companies, they are obtained as the change in the book value of the stock. For banks, they are obtained, for all securities except BOTs, as the change in the book value of the stock; for BOTs, they are obtained as the change in the par value of the stock. For "Other investors", net purchases are obtained as the difference between net issues and the sum of the net purchases of the other groups of investors.

The figures for net purchases of listed shares by banks are partially estimated; they include both portfolio investments and participations. For all the other categories of securities, the figures for banks refer to the Bank of Italy's monthly sample until December 1998 and to the entire universe of banks from January 1999. The figure for foreign investors refers to net portfolio investment purchases of non-bank shares and, as of 1999, of bank and non-bank shares.

The data on investment funds refer to harmonized open-end UCITS established under Italian law.

The figures in the table refer only to securities of resident issuers. The following components are described in the notes to the classification variables: FS, IMPT, PRER, SPT, TIST.

#### **TDEE0085 – BONDS AND GOVERNMENT SECURITIES LISTED ON MOT**

The figure for "Banks (Rendiob)" is the effective yield to maturity of a sample of fixed rate bonds with a residual life of more than one year for which there is a significant volume of trading. The sample is updated twice a year using the method described in a press communiqué dated 3 June 1998. The figure for "Government securities – Rendistato" includes BTPs with a residual life of more than one year.

The yields to maturity are calculated on the basis of the cum-coupon prices on the Italian Exchange. The monthly data are arithmetic means of daily data. The daily yields are calculated by weighting the yields of individual issues on the basis of the face value outstanding.

The yields of CCTs are calculated by assuming that the coupons whose value has not been determined are equal to the coupon obtained with reference to the last four auctions of BOTs of which the results are known. For CCTs issued from 2 January 1995, the yield is calculated by assuming that the coupons whose value has not been determined are equal to the coupon obtained with reference to the last auction of 6-month BOTs.

Outstanding debt: end-of-period stocks at face value.

#### **TDEE0105 – MTS: TURNOVER**

The figure for total turnover on MTS differs from the sum of the component items by the volume of trading in Deposits and Loans Fund bonds and CTEs.

#### **TDEE0106 – MTS: AVERAGE RESIDUAL MATURITY AND DURATION**

The average residual maturity of each segment is obtained by weighting the time remaining to maturity of each security on the basis of the face value outstanding.

The (Macaulay) duration of fixed rate securities is calculated as the weighted average of the intervals between the observation date and those of the future payments of coupons and principal, where the weights are equal to the discounted value of the payments as a ratio to the price of the security; for CCTs, the duration is equal to the time to the payment date of the next coupon. The figures for the segments and the total are obtained by weighting the durations of the securities on the basis of the market value outstanding.

#### **TDEE0115 – YIELDS OF BENCHMARK GOVERNMENT SECURITIES**

The data, except for those on “BTPs – Total”, refer to the securities traded on MTS. The benchmark security for each category is the last security issued from the time it becomes the most heavily traded security. The data for “BTPs – Total” refer to the sample of securities with a residual maturity of more than one year traded on the Italian Exchange (MOT).

#### **TDEE0120 – FEATURES OF THE MAIN GOVERNMENT SECURITIES: TREASURY BILLS (BOTS)**

Yield at issue: calendar year, compound interest.  
Average issue price: does not include withholding tax.

#### **TDEE0121 – FEATURES OF THE MAIN GOVERNMENT SECURITIES: TREASURY ZERO-COUPON BONDS (CTZS)**

For securities issued before 1 January 1997, the yield is calculated by subtracting the withholding tax on the issue discount accrued between the issue date and 1 January 1997 from the nominal redemption value (equal to 100). It is assumed that the withholding tax on the issue discount accrues exponentially and that it is measured on the basis of the calendar year. Issue price: allotment price of the first tranche. For issues made in more than one tranche, the issue price is the reference price for tax purposes. The quantity outstanding includes the issues reserved to the specialists on MTS.

#### **TDEE0122 – FEATURES OF THE MAIN GOVERNMENT SECURITIES: VARIABLE RATE TREASURY CREDIT CERTIFICATES (CCTS)**

The yield at issue is calculated on the basis of the allotment price, including the accrued interest to be paid, as communicated by the Ministry of the Economy and Finance. It is assumed that the coupons whose value has not been determined are equal to the gross yield obtained with reference to the last auction of 6-month BOTs. From July 1992 to the 2.1.1995 auction, the coupons whose value has not been determined are put equal to the coupon obtained with reference to the last four auctions of BOTs of which the results are known.

Issue price: until 30 June 1990, the issue price; from 1–July 1990 until 31 July 1992, the floor price; as of 1 August 1992, the allotment price of the first tranche. For issues made in more than one tranche, the issue price is the reference price for tax purposes. As of the 18.7.1994 issue, the quantity outstanding includes the issues reserved to the specialists on MTS.

The quantity bought back refers to the entire issue and not to the specific tranche.

#### **TDEE0123 – FEATURES OF THE MAIN GOVERNMENT SECURITIES: TREASURY BONDS (BTPS)**

The yield at issue is calculated on the basis of the allotment price, including the accrued interest to be paid, as communicated by the Ministry of the Economy and Finance.

Issue price: until 31 October 1988, the issue price; from 1 November 1988 until 31 July 1992, the floor price; as of 1 August 1992, the allotment price of the first tranche. For issues made in more than one tranche, the issue price is the reference price for tax purposes. As of the 19.7.1994 issue, the quantity outstanding includes the issues reserved to the specialists on MTS.

The quantity bought back refers to the entire issue and not to the specific tranche.



## NOTES TO THE CLASSIFICATION VARIABLES

*This section contains the methodological notes associated with the variables on the basis of which the phenomena published are classified (e.g. bonds and government securities) and/or the elements into which they break down (e.g. BOTs, CCTs, etc.).*

### BONDS AND GOVERNMENT SECURITIES

#### SECURITIES CODES

#### FS – BONDS OF AUTONOMOUS GOVERNMENT AGENCIES AND THE STATE RAILWAYS

This series includes only the securities to be redeemed by the government.

#### IMPT – CORPORATE BONDS

This category comprises bonds issued by (financial and non-financial) non-bank companies.

#### PRER – REPUBLIC OF ITALY LOANS

This category comprises the bonds denominated in lire and foreign currency issued by the Italian government and placed in international markets.

#### SPT – TOTAL PUBLIC SECTOR SECURITIES

The value differs from the sum of the components by the amount of the bonds issued by Crediop on behalf of the Treasury.

#### TIST – TOTAL GOVERNMENT SECURITIES

In addition to the published components, this category comprises bonds issued by the Deposits and Loans Fund, BTEs, CTSs, CTOs, CCTs, credit certificates issued by health insurance institutions, 5% perpetuities, school-building loans, and the 76,205.8 billion lire (39,357 million euros) of BTPs issued in November 1994 to consolidate the suspense created under Law 483/1993 (to which the Bank of Italy's claim in respect of the overdraft on the Treasury's former current account had been transferred). These securities were redeemed early in December 2002.