

**TAKASBANK CPMI IOSCO Quantitative Disclosure
2018 - Q4**

4.1 Total value of default resources (excluding initial and retained variation margin), split by clearing service if default funds are segregated by clearing service

As at Quarter End

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS Fixed Income Market	BIAS FX Swap Market
4.1.1 Prefunded - Own Capital Before	111,122,000 ₺	4,976,000 ₺	3,317,000 ₺	24,878,000 ₺	21,561,000 ₺	21,685,000 ₺
4.1.2 Prefunded - Own Capital Alongside	- ₺	- ₺	- ₺	- ₺	- ₺	- ₺
4.1.3 Prefunded - Own Capital After	- ₺	- ₺	- ₺	- ₺	- ₺	- ₺
4.1.4 Prefunded - Aggregate Participant Contributions - Required	165,771,588 ₺	3,524,000 ₺	1,600,000 ₺	35,198,544 ₺	123,847,263 ₺	4,000,000 ₺
4.1.5 Prefunded - Aggregate Participant Contributions - Post-Haircut Posted	277,045,526 ₺	5,346,039 ₺	15,623,145 ₺	60,955,324 ₺	641,203,721 ₺	10,286,470 ₺
4.1.6 Prefunded - Other	- ₺	- ₺	- ₺	- ₺	- ₺	- ₺
4.1.7 Committed - Own/parent funds that are committed to address a participant default (or round of participant defaults)	57,980,000 ₺	2,596,000 ₺	1,731,000 ₺	12,981,000 ₺	11,250,000 ₺	11,315,000 ₺
4.1.8 Committed - Aggregate participant commitments to address an initial participant default (or initial round of participant defaults)	163,369,101 ₺	3,456,231 ₺	1,550,000 ₺	34,581,026 ₺	122,372,891 ₺	3,866,667 ₺
4.1.9 Committed - Aggregate participant commitments to replenish the default fund to deal with a subsequent participant default (or round of participant defaults) after the initial participant default (or round of participant defaults) has been addressed	160,966,614 ₺	3,388,462 ₺	1,500,000 ₺	33,963,507 ₺	120,898,519 ₺	3,733,333 ₺
4.1.10 Committed - Other	- ₺	- ₺	- ₺	- ₺	- ₺	- ₺

4.2 Kccp

Quarterly

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS FX SWAP Market
4.2.1 Kccp - Kccp need only be reported by those CCPs which are, or seek to be a "qualifying CCP" under relevant law	0	0	0	0	0	2,297 ₺

4.3 Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by

As at Quarter End

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS FX SWAP Market
4.3.1 Cash deposited at a central bank of issue of the currency concerned	Market Value Pre-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.2 Cash deposited at a central bank of issue of the currency concerned	Market Value Post-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.3 Cash deposited at other central banks	Market Value Pre-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.4 Cash deposited at other central banks	Market Value Post-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.5 Secured cash deposited at commercial banks (including reverse repo)	Market Value Pre-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.6 Secured cash deposited at commercial banks (including reverse repo)	Market Value Post-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.7 Unsecured cash deposited at commercial banks	Market Value Pre-Haircut	203,721,298 ₺	5,349,406 ₺	732,977 ₺	46,703,378 ₺	21,964,214 ₺
4.3.8 Unsecured cash deposited at commercial banks	Market Value Post-Haircut	197,649,283 ₺	5,346,039 ₺	728,637 ₺	46,612,672 ₺	21,444,042 ₺
4.3.9 Non-Cash Sovereign Government Bonds - Domestic	Market Value Pre-Haircut	87,433,364 ₺	- ₺	16,500,347 ₺	6,968,331 ₺	712,943,436 ₺
4.3.10 Non-Cash Sovereign Government Bonds - Domestic	Market Value Post-Haircut	78,216,729 ₺	- ₺	14,894,509 ₺	5,163,857 ₺	554,392,102 ₺
4.3.11 Non-Cash Sovereign Government Bonds - Other	Market Value Pre-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.12 Non-Cash Sovereign Government Bonds - Other	Market Value Post-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.13 Non-Cash Agency Bonds	Market Value Pre-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.14 Non-Cash Agency Bonds	Market Value Post-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.15 Non-Cash State/municipal bonds	Market Value Pre-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.16 Non-Cash State/municipal bonds	Market Value Post-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.17 Non-Cash Corporate bonds	Market Value Pre-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.18 Non-Cash Corporate bonds	Market Value Post-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.19 Non-Cash Equities	Market Value Pre-Haircut	- ₺	- ₺	- ₺	8,984 ₺	- ₺
4.3.20 Non-Cash Equities	Market Value Post-Haircut	- ₺	- ₺	- ₺	1,258 ₺	- ₺
4.3.21 Non-Cash Commodities - Gold	Market Value Pre-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.22 Non-Cash Commodities - Gold	Market Value Post-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.23 Non-Cash Commodities - Other	Market Value Pre-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.24 Non-Cash Commodities - Other	Market Value Post-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.25 Non-Cash Commodities - Mutual Funds / UCITs	Market Value Pre-Haircut	2,092,260 ₺	- ₺	- ₺	- ₺	- ₺
4.3.26 Non-Cash Commodities - Mutual Funds / UCITs	Market Value Post-Haircut	1,179,513 ₺	- ₺	- ₺	- ₺	- ₺
4.3.27 Non-Cash Commodities - Other	Market Value Pre-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺
4.3.28 Non-Cash Commodities - Other	Market Value Post-Haircut	- ₺	- ₺	- ₺	- ₺	- ₺

*Unsecured cash deposited at commercial banks is protected by the Capital Markets Law numbered 6362 from bankruptcy

4.4 Disclosures

Quarterly

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market (**)	BIAS SWAP FX Market (***)
4.4.1 State whether the CCP is subject to a minimum "Cover 1" or "Cover 2" requirement in relation to total pre-funded default resources.	Cover 2	Cover 2	Cover 2	Cover 2	Cover 2	Cover 2
4.4.2 For each clearing service, state the number of business days within which the CCP assumes it will close out the default when calculating credit exposures that would potentially need to be covered by the default fund.	2	2	2	2	2	2

4.4.3	For each clearing service, what is the estimated largest aggregate stress loss (in excess of initial margin) that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions?	Cover 1	Peak Day in 12 Months	183,969,431 ₺	499,940 ₺	- ₺	88,937,638 ₺	508,608,702 ₺	- ₺
4.4.4	For each clearing service, what is the estimated largest aggregate stress loss (in excess of initial margin) that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions?	Cover 1	Average in 12 Months	107,114,335 ₺	208,776 ₺	- ₺	15,733,578 ₺	113,882,213 ₺	- ₺
4.4.5	Report the number of business days, if any, on which the above amount exceeded actual pre-funded default resources (in excess of initial margin) and by how much.	Cover 1	# of Days	0	0	0	10	19	0
4.4.6	For each clearing service, what was the actual largest aggregate credit exposure (in excess of initial margin) to any single participant and its affiliates (including transactions cleared for indirect participants)?	Cover 1		127,607,992 ₺	415,190 ₺	- ₺	23,968,465 ₺	- ₺	47,946,530 ₺
4.4.7	For each clearing service, what is the estimated largest aggregate stress loss (in excess of initial margin) that would be caused by the default of any two participants and their affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions?	Cover 2	Peak Day in 12 Months	290,083,092 ₺	917,936 ₺	- ₺	118,070,362 ₺	921,527,841 ₺	- ₺
4.4.8	For each clearing service, what is the estimated largest aggregate stress loss (in excess of initial margin) that would be caused by the default of any two participants and their affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions?	Cover 2	Average in 12 Months	187,163,686 ₺	346,651 ₺	- ₺	24,599,859 ₺	166,225,474 ₺	- ₺
4.4.9	Report the number of business days, if any, on which the above amount exceeded actual pre-funded default resources (in excess of initial margin) and by how much.	Cover 2	# of Days	0	0	0	17	29	0
4.4.10	For each clearing service, what was the actual largest aggregate credit exposure (in excess of initial margin) to any two participants and their affiliates (including transactions cleared for indirect participants)?	Cover 2		154,602,990 ₺	657,904 ₺	- ₺	47,459,346 ₺	- ₺	75,591,660 ₺

5.1 Assets eligible as initial margin, and the respective haircuts applied

Update as changes are made

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS FX SWAP Market
5.1.1	Turkish Lira (TRY)	1	1	1	1	1
5.1.2	Convertible Currency (USD)	0.92	0.92	0.92	0.92	0.92
5.1.3	Convertible Currency (EUR)	0.93	0.93	0.93	0.93	0.93
5.1.4	Government Debt Securities (TRY Denominated)	0.91	0.91	0,90 - 0,95 (*)	0.91	0.91
5.1.5	Government Debt Securities (Eurobond)(Non TRY Denominated)	0	0	0	0.83	0
5.1.6	Lease Certificates (Sukuk) Issued by T.C. Hazinesi Varlık Kiralama A.Ş.	0.88	0	0,90 - 0,95 (*)	0.88	0.88
5.1.7	Umbrella Mutual Funds (Fixed Income)	0.88	0	0	0.88	0
5.1.8	Gold (traded at Organised Exchange)	0.86	0.86	0	0.86	0
5.1.9	Umbrella Mutual Funds (Equity Intense)	0.82	0	0	0.82	0
5.1.10	Equity (BIST 30)	0.76	0.76	0	0.76	0
5.1.11	Equity (BIST 100-30)	0.7	0	0	0.7	0

(*) Maturity < 3 year: 0,95 or Maturity > 3 year: 0,9

5.2 Assets Eligible for pre-funded participant contributions to the default resources, and the respective haircuts applied (if different from 5.1)

Update as changes are made

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS FX SWAP Market
5.2.1	Turkish Lira (TRY)	1	1	1	1	1
5.2.2	Convertible Currency (USD)	0.92	0.92	0.92	0.92	0.92
5.2.3	Convertible Currency (EUR)	0.93	0.93	0.93	0.93	0.93
5.2.4	Government Debt Securities (TRY Denominated)	0.91	0.91	0,90 - 0,95 (*)	0.91	0.91
5.2.5	Government Debt Securities (Eurobond)(Non TRY Denominated)	0	0	0	0.83	0
5.2.6	Lease Certificates (Sukuk) Issued by T.C. Hazinesi Varlık Kiralama A.Ş.	0	0	0,90 - 0,95 (*)	0.88	0.88
5.2.7	Umbrella Mutual Funds (Fixed Income)	0.88	0	0	0.88	0
5.2.8	Gold (traded at Organised Exchange)	0	0.86	0	0	0
5.2.9	Umbrella Mutual Funds (Equity Intense)	0.82	0	0	0.82	0
5.2.10	Equity (BIST 30)	0	0	0	0.76	0
5.2.11	Equity (BIST 100-30)	0	0	0	0.7	0

(*) Maturity < 3 year: 0,95 or Maturity > 3 year: 0,9

5.3 Results of testing of haircuts

Quarterly

	Convertible Currency (USD)	Gold	Government Debt Securities	Equity*	Investment Fund Participation Certificates (Equity Intense)	Investment Fund Participation Certificates (Fixed Income)
5.3.1 confidence interval targeted through the calculation of haircuts	0.999	0.999	0.999	0.999	0.999	0.999
5.3.2 assumed holding/liquidation period for the assets accepted,	2	2	2	2	2	3
5.3.3 look-back period used for testing the haircuts	1 year	1 year	1 year	1 year	1 year	1 year
5.3.4 the number of days during the look-back period on which the fall in value during the assumed holding/liquidation period exceeded the haircut on an asset.	4	2	0	37	8	20

* 11 equity out of 100 exceeded the haircut at 53 times during month.

6.1 For each clearing service, total initial margin required, split by house and client (or combined total if not segregated)

Quarterly

		Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS Fixed Income Market	BIAS SWAP Market
6.1.1 House		89,752,567 €	40,017,296 €	- €	6,912,490 €	837,749,858 €	472,479,018 €
6.1.2 Client	Gross Position	902,140,223 €	41,817,666 €	- €	117,139,804 €	15,376,496 €	- €
6.1.3 Client	Net Position	- €	- €	- €	- €	- €	- €
6.1.4 Total	If not Segregated	- €	- €	- €	- €	- €	- €

6.2 For each clearing service, total initial margin held, split by house and client

Quarterly

			3,573,782,129.75 €	89,107,593.48 €	170,170,750.00 €	182,435,932.33 €	5,904,134,403.50 €	522,848,788.95 €
			Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS Fixed Income Market	BIAS SWAP Market
6.2.1 House	Cash deposited at a central bank of iss	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.2 House	Cash deposited at a central bank of iss	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.3 House	Cash deposited at other central banks	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.4 House	Cash deposited at other central banks	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.5 House	Secured cash deposited at commercia	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.6 House	Secured cash deposited at commercia	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.7 House	Unsecured cash deposited at commer	Market Value Pre-Haircut	670,413,077 €	43,628,644 €	- €	6,965,386 €	25,590,706 €	26,473,188 €
6.2.8 House	Unsecured cash deposited at commer	Market Value Post-Haircut	670,413,077 €	43,628,644 €	- €	6,965,386 €	25,590,706 €	26,473,188 €
6.2.9 House	Non-Cash Sovereign Government Bon	Market Value Pre-Haircut	75,111,524 €	- €	131,826,946 €	6,093,932 €	4,066,063,871 €	468,748,988 €
6.2.10 House	Non-Cash Sovereign Government Bon	Market Value Post-Haircut	68,351,487 €	- €	119,561,004 €	5,545,478 €	3,452,117,095 €	426,561,579 €
6.2.11 House	Non-Cash Sovereign Government Bon	Market Value Pre-Haircut	- €	- €	- €	- €	91,205,595 €	4,798,900 €
6.2.12 House	Non-Cash Sovereign Government Bon	Market Value Post-Haircut	- €	- €	- €	- €	26,524,918 €	4,223,032 €
6.2.13 House	Non-Cash Agency Bonds	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.14 House	Non-Cash Agency Bonds	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.15 House	Non-Cash State/municipal bonds	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.16 House	Non-Cash State/municipal bonds	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.17 House	Non-Cash Corporate bonds	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.18 House	Non-Cash Corporate bonds	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.19 House	Non-Cash Equities	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.20 House	Non-Cash Equities	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.21 House	Non-Cash Commodities - Gold	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.22 House	Non-Cash Commodities - Gold	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.23 House	Non-Cash Commodities - Other	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.24 House	Non-Cash Commodities - Other	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.25 House	Non-Cash - Mutual Funds / UCITs	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.26 House	Non-Cash - Mutual Funds / UCITs	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.27 House	Non-Cash - Other	Market Value Pre-Haircut	- €	- €	- €	5,060,000 €	1,839,790,000 €	- €
6.2.28 House	Non-Cash - Other	Market Value Post-Haircut	- €	- €	- €	4,362,133 €	1,682,305,937 €	- €
6.2.29 Client	Cash deposited at a central bank of iss	Market Value Pre-Haircut	19,939,260 €	- €	30,140,000 €	422,480 €	188,137,846 €	45,812,800 €
6.2.30 Client	Cash deposited at a central bank of iss	Market Value Post-Haircut	18,543,512 €	- €	28,633,000 €	388,682 €	174,944,433 €	42,605,904 €
6.2.31 Client	Cash deposited at other central banks	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.32 Client	Cash deposited at other central banks	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.33 Client	Secured cash deposited at commercia	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.34 Client	Secured cash deposited at commercia	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.35 Client	Unsecured cash deposited at commer	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.36 Client	Unsecured cash deposited at commer	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.37 Client	Non-Cash Sovereign Government Bon	Market Value Pre-Haircut	2,804,401,640 €	45,359,559 €	- €	142,654,137 €	21,527,901 €	- €
6.2.38 Client	Non-Cash Sovereign Government Bon	Market Value Post-Haircut	2,804,401,640 €	45,359,559 €	- €	142,654,137 €	21,527,901 €	- €
6.2.39 Client	Non-Cash Sovereign Government Bon	Market Value Pre-Haircut	5,517,424 €	- €	15,884,500 €	21,932,623 €	112,250,265 €	- €
6.2.40 Client	Non-Cash Sovereign Government Bon	Market Value Post-Haircut	5,020,856 €	- €	14,296,050 €	19,958,687 €	80,691,633 €	- €
6.2.41 Client	Non-Cash Agency Bonds	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.42 Client	Non-Cash Agency Bonds	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.43 Client	Non-Cash State/municipal bonds	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €
6.2.44 Client	Non-Cash State/municipal bonds	Market Value Post-Haircut	- €	- €	- €	- €	- €	- €
6.2.45 Client	Non-Cash Corporate bonds	Market Value Pre-Haircut	- €	- €	- €	- €	- €	- €

6.2.46	Client	Non-Cash Corporate bonds	Market Value Post-Haircut	- £	- £	- £	- £	- £	- £
6.2.47	Client	Non-Cash Equities	Market Value Pre-Haircut	- £	- £	- £	- £	- £	- £
6.2.48	Client	Non-Cash Equities	Market Value Post-Haircut	- £	- £	- £	- £	- £	- £
6.2.49	Client	Non-Cash Commodities - Gold	Market Value Pre-Haircut	3,091,243 £	135,671 £	- £	1,622,460 £	- £	- £
6.2.50	Client	Non-Cash Commodities - Gold	Market Value Post-Haircut	2,349,345 £	103,110 £	- £	246,344 £	- £	- £
6.2.51	Client	Non-Cash Commodities - Other	Market Value Pre-Haircut	- £	- £	- £	- £	- £	- £
6.2.52	Client	Non-Cash Commodities - Other	Market Value Post-Haircut	- £	- £	- £	- £	- £	- £
6.2.53	Client	Non-Cash Commodities - Mutual Fund	Market Value Pre-Haircut	- £	- £	- £	- £	- £	- £
6.2.54	Client	Non-Cash Commodities - Mutual Fund	Market Value Post-Haircut	- £	- £	- £	- £	- £	- £
6.2.55	Client	Non-Cash Commodities - Other	Market Value Pre-Haircut	5,412 £	- £	- £	- £	- £	- £
6.2.56	Client	Non-Cash Commodities - Other	Market Value Post-Haircut	4,763 £	- £	- £	- £	- £	- £

6.3 Initial Margin rates on individual contracts, where the CCP sets such rates

Update as changes are made

Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS FX Swap Market
6.3.1 rates effective on 31.12.2018	BIST-30 Equity:115% (BIST 30); 120% (Non BIST 30) Other Equities&Funds:115% (BIST 30); 120% (Non BIST 30)	105%	rates effective on 31.12.2018	rates effective on 31.12.2018	rates effective on 31.12.2018

6.4 Type of initial margin model used (e.g. portfolio simulation or risk aggregation) for each clearing service and the key model design parameters for each initial margin model applied to that clearing service

Quarterly; CCP List all changes made during the quarter including effective dates

Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS Fixed Income Market	SWAP Market
6.4.1 SPAN like model generated by historical simulation approach	Risk aggregation with historical VAR	Risk aggregation with historical VAR	SPAN like model generated by historical simulation approach	Cash Flow Margin parameters are generated by historical simulation approach	Risk aggregation with historical VAR
6.4.2 0	0	0	0	0	0
6.4.3 99.5% - 99.75% *	99.50%	99.50%	99.50%	99.50%	99.00%
6.4.4 5 year	5 year	5 year	5 year	5 year	1 year
6.4.5 2 Days Holding Period	2 Days Holding Period	2 Days Holding Period	2 Days Holding Period	2 Days Holding Period	2 Days Holding Period

*For electricity contracts

6.5 Results of back-testing of initial margin. At a minimum, this should include, for each clearing service and each initial margin model applied to that clearing service:

Quarterly

			Derivatives***	Securities Lending Market	BIAS Money Market	BIAS Equity Market (**)	BIAS Fixed Income Market (**)	BIAS FX SWAP Market (***)
6.5.1	Number of times over the past twelve months that margin coverage held against any account fell below the actual marked-to-market exposure of that member account – based on daily back-testing results	Peak	Intraday or Continuous or Once-a-day	5,102	3	0	N/A	N/A
6.5.2	Number of observations	Peak	Intraday or Continuous or Once-a-day	2,273,100	16,972	252	N/A	N/A
6.5.3	Achieved coverage level	Peak	Intraday or Continuous or Once-a-day	99.78%	99.98%	100.00%	N/A	N/A
6.5.4	Where breaches of initial margin coverage (as defined in 6.5(a)) have occurred, report on size of uncovered exposure	Peak	Intraday or Continuous or Once-a-day	1,003,575,811	885,207	0	N/A	N/A
6.5.5	Number of times over the past twelve months that margin coverage held against any account fell below the actual marked-to-market exposure of that member account – based on daily back-testing results	Average	Intraday or Continuous or Once-a-day	85	1	0	N/A	N/A
6.5.6	Number of observations	Average	Intraday or Continuous or Once-a-day	2,273,100	16,972	252	N/A	N/A
6.5.7	Achieved coverage level	Average	Intraday or Continuous or Once-a-day	99.996%	99.99%	100.00%	N/A	N/A
6.5.8	Where breaches of initial margin coverage (as defined in 6.5(a)) have occurred, report on size of uncovered exposure	Average	Intraday or Continuous or Once-a-day	14,237,643	175,037	0	N/A	N/A

*Required initial margin values are used in the backtests.

** Only contract base back-test applies for both market. There is not enough data for Fix Income backtest calculation.

***Account structure in derivatives market is segregated.

6.6 Average Total Variation Margin Paid to the CCP by participants each business

Quarterly; Average per business day over the Quarter

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS SWAP Market	
6.6.1	Average Total Variation Margin Paid to the CCP by participants each business day	70,754,421 £	29,008 £	- £	405,668 £	696,982 £	2,282,387 £

6.7 **Maximum total variation margin paid to the CCP on any given business day over the period**

Quarterly; Maximum over Quarter

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS SWAP Market
6.7.1 Maximum total variation margin paid to the CCP on any given business day over the period	178,754,508 €	1,138,652 €	- €	11,922,267 €	1,849,821 €	25,447,500 €

6.8 **Maximum aggregate initial margin call on any given business day over the period**

Quarterly; Maximum over Quarter

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS SWAP Market
6.8.1 Maximum aggregate initial margin call on any given business day over the period	227,729,622 €	1,138,652 €	- €	39,660,970 €	4,006,675 €	58,116,476 €

* Mcall is applied over total margin requirement.

7.1 **Liquidity Risk - 7.1; Multiple Items**

Quarterly

		Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	Swap Market
7.1.1 State whether the clearing service maintains sufficient liquid resources to 'Cover 1' or 'Cover 2'.		Cover 2	Cover 2	Cover 2	Cover 2	Cover 2	0
7.1.2 Size and composition of qualifying liquid resources for each clearing service	(a) Cash deposited at a central bank of issue of the currency concerned	- €	- €	- €	- €	- €	- €
7.1.3 Size and composition of qualifying liquid resources for each clearing service	(b) Cash deposited at other central banks	- €	- €	- €	- €	- €	- €
7.1.4 Size and composition of qualifying liquid resources for each clearing service	(c) Secured cash deposited at commercial banks (including reverse repo)	3,832,117,582 €	99,129,217 €	28,616,375 €	184,827,375 €	225,124,418 €	23,508,276 €
7.1.5 Size and composition of qualifying liquid resources for each clearing service	(d) Unsecured cash deposited at commercial banks	- €	- €	- €	- €	- €	- €
7.1.6 Size and composition of qualifying liquid resources for each clearing service	(e) secured committed lines of credit (ie those for which collateral/security will be provided by the CCP if drawn) including committed foreign exchange swaps and committed repos;	1,000,000,000 €	1,000,000,000 €	1,000,000,000 €	1,000,000,000 €	1,000,000,000 €	1,000,000,000 €
7.1.7 Size and composition of qualifying liquid resources for each clearing service	(f) unsecured committed lines of credit (ie which the CCP may draw without providing collateral/security);	- €	- €	- €	- €	- €	- €
7.1.8 Size and composition of qualifying liquid resources for each clearing service	(g) highly marketable collateral held in custody and investments that are readily available and convertible into cash with prearranged and highly reliable funding arrangements even in extreme but plausible market conditions;	80,322,656 €	-	217,501,845 €	23,327,220 €	4,287,966,800 €	399,665,350 €
7.1.9 Size and composition of qualifying liquid resources for each clearing service	(h) other	- €	- €	- €	- €	- €	- €
7.1.10 State whether the CCP has routine access to central bank liquidity or facilities.		1,000,000,000 €	1,000,000,000 €	1,000,000,000 €	1,000,000,000 €	1,000,000,000 €	1,000,000,000 €
7.1.11 Details regarding the schedule of payments or priority for allocating payments, if such exists, and any applicable rule, policy, procedure, and governance arrangement around such decision making.		N/a	N/a	N/a	N/a	N/a	0

7.2 **Size and composition of any supplementary liquidity risk resources for each clearing service above those qualifying liquid resources above.**

Quarterly

	Derivatives*	Securities Lending Market*	BIAS Money Market*	BIAS Equity Market*	BIAS FI Market*	BIAS Swap Market*
7.2.1 Size and composition of any supplementary liquidity risk resources for each clearing service above those qualifying liquid resources in 7.1	11,000,000,000	11,000,000,000	11,000,000,000	11,000,000,000	11,000,000,000	11,000,000,000

* Forecasted data

7.3 Liquidity Risk - 7.3; Multiple Items

Quarterly

			Derivatives	Securities Lending Market	BIAS Money Market*	BIAS Equity Market	BIAS FI Market	Swap Market**	
7.3.1	What is the estimated largest same-day and, where relevant, intraday and multiday payment obligation in total that would be caused by the default of any single participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions?	Forward looking measure reported quarterly	TRY	183,969,431.00 ₺	467,938.00 ₺	-	34,081,352.00 ₺	160,562,926.00 ₺	- ₺
7.3.2	Report the number of business days, if any, on which the above amount exceeded its qualifying liquid resources (identified as in 7.1, and available at the point the breach occurred), and by how much.	No. of days in quarter, and amount of excess on each day	TRY	0	0	0	11	3	0
7.3.3	What is the actual largest intraday and multiday payment obligation of a single participant and its affiliates (including transactions cleared for indirect participants) over the past twelve months?	Peak day amount in previous twelve months	TRY	127,607,992.00 ₺	415,190.25 ₺	- ₺	23,968,465.00 ₺	-	47,946,530.00 ₺

* There is no open position during 2018-Q4 at that market.

** Liquidity stress testing is started to be conducted at 2019.

12.1 Percentage of settlements by value effected using a DvP, DvD or PVP settlement mechanism

Quarterly

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS FX SWAP Market
12.1.1	Percentage of settlements by value effected using a DvP settlement mechanism	0%	100%	0%	100%	0%
12.1.2	Percentage of settlements by value effected using a DvD settlement mechanism	0%	0%	0%	0%	0%
12.1.3	Percentage of settlements by value effected using a PVP settlement mechanism	100%	0%	100%	0%	100%

12.2 Percentage of settlements by volume effected using a DvP, DvD or PVP settlement mechanism

Quarterly

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS FX SWAP Market
12.2.1	Percentage of settlements by volume effected using a DvP settlement mechanism	0%	100%	0%	100%	0%
12.2.2	Percentage of settlements by volume effected using a DvD settlement mechanism	0%	0%	0%	0%	0%
12.2.3	Percentage of settlements by volume effected using a PVP settlement mechanism	100%	0%	100%	0%	100%

13.1 CCPs are encouraged, subject to legal constraints on timing and content, to disclose as soon as practicable quantitative information related to defaults

Ad-Hoc; As Time Permits

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS Fixed Income Market	BIAS FX SWAP Market
13.2.1	Amount of loss versus amount of initial margin	N/a	N/a	N/a	N/a	N/a
13.2.2	Amount of other financial resources used to cover losses	N/a	N/a	N/a	N/a	N/a
13.2.3	Proportion of client positions closed-out/ported	N/a	N/a	N/a	N/a	N/a
13.2.4	Appropriate references to other published material related to the default	Link (CCP Default Management General Application Principles)		0	0	0

14.1 Total Client Positions held in the following as a share of notional values cleared or of the settlement value of securities transactions

Quarterly

	Derivatives	Securities Lending Market	BIAS Money Market*	BIAS Equity Market	BIAS FI Market	BIAS SWAP Market**
14.1.1	Total Client Positions held in individually segregated accounts	79%	0%	0%	0%	0%
14.1.2	Total Client Positions held in omnibus client-only accounts, other than LSOC accounts	0%	0%	0%	95%	38%
14.1.3	Total Client Positions held in legally segregated but operationally comingled (LSOC) accounts	0%	48%	0%	0%	0%
14.1.4	Total Client Positions held in comingled house and client accounts	0%	0%	0%	0%	0%

* There is no open position during 2018-Q4 at that market.

** Only house accounts are applicable currently.

15.1 General business risk; 15.1, multiple items

Annual

	Takasbank	
15.1.1	Value of liquid net assets funded by equity	817,273,847 ₺
15.1.2	Six months of current operating expenses	86,870,288 ₺

*Takasbank's total allocated (187,539,000 TL) and total committed (97,853,00 TL) capital is excluded.

**This amount represents the total operational expense excluding interest expenses and allowance for credit risk out of total expenses.

15.2 **General business risk; Financial Disclosures**

Annual

	Takasbank
15.2.1 Total Revenue	935,118,850 ₺
15.2.2 Total Expenditure	322,395,168 ₺
15.2.3 Profits	612,723,682 ₺
15.2.4 Total Assets	11,795,183,000 ₺
15.2.5 Total Liabilities	11,795,183,000 ₺
15.2.6 Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet	Cash collateral is held on balance sheet. Non-cash collateral is held off balance sheet.
15.2.7 Additional items as necessary	- ₺

*Includes all Takasbank services

15.3 **General business risk; Income breakdown**

Annual

	Takasbank
15.3.1 Percentage of total income that comes from fees related to provision of clearing services	37%
15.3.2 Percentage of total income that comes from the reinvestment (or rehypothecation) of assets provided by clearing participants	13%

16.1 **Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, split by whether it was received as initial margin or default fund contribution**

Quarterly, at Quarter End

	Takasbank
16.1.1 Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, received as initial margin	4,392,568,637 ₺
16.1.2 Total cash (but not securities) received from participants, regardless of the form in which it is held, deposited or invested, received as default fund contribution	274,247,177 ₺

16.2 **How total cash received from participants (16.1) is held/deposited/invested, including;**

Quarterly

			Takasbank
16.2.1 Percentage of total participant cash held as cash deposits (including through reverse repo)	as cash deposits at central banks of issue of the currency deposited		0%
16.2.2 Percentage of total participant cash held as cash deposits (including through reverse repo)	as cash deposits at other central banks		0%
16.2.3 Percentage of total participant cash held as cash deposits (including through reverse repo)	as cash deposits at commercial banks (Secured, including through reverse repo)		0%
16.2.4 Percentage of total participant cash held as cash deposits (including through reverse repo)	as cash deposits at commercial banks (Unsecured)		100%
16.2.5 Percentage of total participant cash held as cash deposits (including through reverse repo)	in money market funds		0%
16.2.6 Percentage of total participant cash held as cash deposits (including through reverse repo)	in other forms	Additional Description as needed	0%
16.2.7 Percentage of total participant cash held as cash deposits (including through reverse repo)	percentage split by currency of these cash deposits (including reverse repo) and money market funds	USD	0%
16.2.8 Percentage of total participant cash held as cash deposits (including through reverse repo)	percentage split by currency of these cash deposits (including reverse repo) and money market funds	EUR	0%
16.2.9 Percentage of total participant cash held as cash deposits (including through reverse repo)	percentage split by currency of these cash deposits (including reverse repo) and money market funds	TRY	100%
16.2.10 Percentage of total participant cash invested in securities	Domestic sovereign government bonds		0%
16.2.11 Percentage of total participant cash invested in securities	Other sovereign government bonds		0%
16.2.12 Percentage of total participant cash invested in securities	Agency Bonds		0%
16.2.13 Percentage of total participant cash invested in securities	State/municipal bonds		0%
16.2.14 Percentage of total participant cash invested in securities	Other instruments	Additional Description as needed	0%
16.2.15 Percentage of total participant cash invested in securities	percentage split by currency of these securities	USD	0%
16.2.16 Percentage of total participant cash invested in securities	percentage split by currency of these securities	EUR	0%

16.2.17	Percentage of total participant cash invested in securities	weighted average maturity of securities		na
16.2.18	Provide an estimate of the risk on the investment portfolio (excluding central bank and commercial bank deposits) (99% one-day VaR, or equivalent)			0%
16.2.19	State if the CCP investment policy sets a limit on the proportion of the investment portfolio that may be allocated to a single counterparty, and the size of that limit.			n/a
	State the number of times over the previous quarter in which this limit has been exceeded.			n/a

*Cash deposited at commercial banks is protected by the Capital Markets Law numbered 6362 from bankruptcy

16.3 **Rehypothecation of participant assets (ie non-cash)**

Quarterly

			Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS SWAP Market
16.3.1	Total value of participant non-cash rehypothecated	Initial Margin	- £	- £	- £	- £	- £	- £
16.3.2	Total value of participant non-cash rehypothecated	Default Fund	- £	- £	- £	- £	- £	- £
16.3.3	Maturities	Initial Margin	Overnight/one day	- £	- £	- £	- £	- £
16.3.4	Maturities	Initial Margin	over one day and up to one week	- £	- £	- £	- £	- £
16.3.5	Maturities	Initial Margin	over one week and up to one month	- £	- £	- £	- £	- £
16.3.6	Maturities	Initial Margin	over one month and up to one year	- £	- £	- £	- £	- £
16.3.7	Maturities	Initial Margin	over one year and up to two years	- £	- £	- £	- £	- £
16.3.8	Maturities	Initial Margin	over two years	- £	- £	- £	- £	- £
16.3.9	Maturities	Default Fund	Overnight/one day	- £	- £	- £	- £	- £
16.3.10	Maturities	Default Fund	over one day and up to one week	- £	- £	- £	- £	- £
16.3.11	Maturities	Default Fund	over one week and up to one month	- £	- £	- £	- £	- £
16.3.12	Maturities	Default Fund	over one month and up to one year	- £	- £	- £	- £	- £
16.3.13	Maturities	Default Fund	over one year and up to two years	- £	- £	- £	- £	- £
16.3.14	Maturities	Default Fund	over two years	- £	- £	- £	- £	- £

17.1 **Operational availability target for the core system(s) involved in clearing (whether or not outsourced) over specified period for the system (e.g. 99.99% over a twelve-month period)**

Quarterly

	Total
17.1.1	All services 100.0%

17.2 **Actual availability of the core system(s) over the previous twelve month period**

Quarterly

	Total (*)
17.2.1	Debt Securites Market Operations 0.9995
17.2.2	BIST Money Market Operations 0.9995
17.2.3	Treasury Operations 1
17.2.4	CCP Operations 0.9997
17.2.5	Securities Lending Operaitons 0.9967
17.2.6	Cash Equity Market Opearions 0.9973
17.2.7	Derivatives Market Operaitons 0.996266667
17.2.8	SWAP Market Opearions 1
17.2.9	0 0
17.2.10	0 0
17.2.11	0 0
17.2.12	0 0
17.2.13	0 0
17.2.14	0 0
17.2.15	0 0
17.2.16	0 0
17.2.17	0 0
17.2.18	0 0

17.3 **Total number and duration of failures**

Quarterly

	Total Duration(min)	Total Number of Times
17.3.1	Debt Securites Market Operations 85	1
17.3.2	BIST Money Market Operations 0	0
17.3.3	Treasury Operations 0	0
17.3.4	CCP Operations 51	1

17.3.5	Securities Lending Operaitons	595	2
17.3.6	Cash Equity Market Opearions	495	3
17.3.7	Derivatives Market Operaitons	2018	14
17.3.8	SWAP Market Opearions	0	0

17.4 **Recovery time objective(s)**

Quarterly

17.4.1	Recovery time objective	Within 2 hours
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18.1 **Number of clearing members, by clearing service**

Quarterly

		Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS SWAP Market
18.1.1	Category of membership	Direct	Direct	Direct	Direct	Direct	Direct
18.1.2	Category of membership	General	General	General	General	General	General
18.1.3	Type of participant	69	52	32	57	84	30
18.1.4	Type of participant	0	0	0	0	0	0
18.1.5	Participants	69	52	32	57	84	30
18.1.6	Participants	0	0	0	0	0	0

18.2 **Open Position Concentration**

Quarterly

			Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS Fixed Income Market	BIAS SWAP Market
18.2.1	For each clearing service with ten or more members, but fewer than 25 members	Percentage of open positions held by the largest five clearing members, including both house and client, in aggregate	Average	0.00%	0.00%	0.00%	0.00%	0.00%
18.2.2	For each clearing service with ten or more members, but fewer than 25 members	Percentage of open positions held by the largest five clearing members, including both house and client, in aggregate	Peak during Quarter	0.00%	0.00%	0.00%	0.00%	0.00%
18.2.3	For each clearing service with 25 or more members	Percentage of open positions held by the largest five clearing members, including both house and client, in aggregate	Average	61.30%	63.54%	0.00%	34.51%	37.27%
18.2.4	For each clearing service with 25 or more members	Percentage of open positions held by the largest five clearing members, including both house and client, in aggregate	Peak during Quarter	64.31%	80.53%	0.00%	37.08%	46.40%
18.2.5	For each clearing service with 25 or more members	Percentage of open positions held by the largest ten clearing members, including both house and client, in aggregate	Average	81.45%	92.25%	0.00%	56.70%	56.96%
18.2.6	For each clearing service with 25 or more members	Percentage of open positions held by the largest ten clearing members, including both house and client, in aggregate	Peak during Quarter	82.74%	82.52%	0.00%	60.24%	66.37%

18.3 **Initial Margin Concentration**

Quarterly

			Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS Fixed Income Market	BIAS SWAP Market
18.3.1	For each clearing service with ten or more members, but fewer than 25 members	Percentage of initial margin posted by the largest five clearing members, including both house and client, in aggregate	Average	0.00%	0.00%	0.00%	0.00%	0.00%
18.3.2	For each clearing service with ten or more members, but fewer than 25 members	Percentage of initial margin posted by the largest five clearing members, including both house and client, in aggregate	Peak during Quarter	0.00%	0.00%	0.00%	0.00%	0.00%
18.3.3	For each clearing service with 25 or more members	Percentage of initial margin posted by the largest five clearing members, including both house and client, in aggregate	Average	57.07%	63.46%	0.00%	55.44%	87.21%
18.3.4	For each clearing service with 25 or more members	Percentage of initial margin posted by the largest five clearing members, including both house and client, in aggregate	Peak during Quarter	61.19%	79.45%	0.00%	57.21%	95.53%

18.3.5	For each clearing service with 25 or more members	Percentage of initial margin posted by the largest ten clearing members, including both house and client, in aggregate	Average	78.41%	82.46%	0.00%	68.61%	94.83%	0.00%
18.3.6	For each clearing service with 25 or more members	Percentage of initial margin posted by the largest ten clearing members, including both house and client, in aggregate	Peak during Quarter	81.50%	91.83%	0.00%	77.23%	98.68%	0.00%

18.4 **Segregated Default Fund Concentration**

Quarterly

		Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS Fixed Income Market	BIAS SWAP Market
18.4.1	For each segregated default fund with ten or more members, but fewer than 25 members:	Percentage of participant contributions to the default fund contributed by largest five clearing members in aggregate	0%	0%	0%	0%	0%
18.4.2	For each segregated default fund with 25 or more members	Percentage of participant contributions to the default fund contributed by largest five clearing members in aggregate	55%	59%	16%	34%	79%
18.4.3	For each segregated default fund with 25 or more members	Percentage of participant contributions to the default fund contributed by largest ten clearing members in aggregate	75%	78%	31%	56%	92%

19.1 **Tiered participation arrangements, measures of concentration of client clearing**

Quarterly

	Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market	BIAS SWAP Market
19.1.1	Number of clients (if known)	0	0	0	0	0
19.1.2	Number of direct members that clear for clients	0	0	0	0	0
19.1.3	Percent of client transactions attributable to the top five clearing members (if CCP has 10+ clearing members)	NA	NA	NA	NA	NA
19.1.4	Percent of client transactions attributable to the top ten clearing members (if CCP has 25+ clearing members)	NA	NA	NA	NA	NA

20.1 **FMI Links, Value of Trades**

Quarterly

20.1.1	Value of trades cleared through each link – as a share of total trade values/total notional values cleared	NA
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20.2 **FMI Links, Initial Margin or equivalent financial resources provided**

Quarterly

20.2.1	Initial margin or equivalent financial resources provided to each linked CCP by the CCP to cover the potential future exposure of the linked CCP on contracts cleared across link	NA
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20.3 **FMI Links, Initial Margin or equivalent financial resources collected**

Quarterly

20.3.1	Initial margin or equivalent financial resources collected from each linked CCP to cover potential future exposure to the linked CCP on contracts cleared across link (at market value and post-haircut)	NA
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20.4 **FMI Links, Results of Back-testing coverage**

Quarterly

20.4.1	Number of times over the past twelve months that coverage provided by margin and equivalent financial resources held against each linked CCP fell below the actual marked-to-market exposure to that linked CCP – based on daily back testing results	Intraday or Continuous or Once-a-day	N/A
20.4.2	Number of observations (i.e. number of accounts multiplied by number of days covered in the back test)	Intraday or Continuous or Once-a-day	N/A
20.4.3	Achieved coverage level	Intraday or Continuous or Once-a-day	N/A

20.5 **FMI Links, Additional pre-funded financial resources provided to**

Quarterly

20.5.1	Additional pre-funded financial resources (if any) beyond initial margin and equivalent financial resources provided to each linked CCP, that are available to the linked CCP to cover exposures to the CCP and whether part of, additional to, or separate from the standard default fund	Additional Description	NA
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20.6 **FMI Links, Additional pre-funded financial resources collected from Quarterly**

20.6.1	Additional pre-funded financial resources (if any) beyond initial margin and equivalent financial resources provided to each linked CCP, that are available to the linked CCP to cover exposures to the CCP and whether part of, additional to, or separate from the standard default fund	Additional Description	NA
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20.7 **FMI Links, Cross Margining Quarterly**

		Borsa İstanbul	
20.7.1	Value of trades subject to cross margining, by clearing service, as a percentage of total trade values/total notional values cleared	NA	
20.7.2	Reduction in total initial margin held by the CCP as a result of crossmargining, as a percentage of total initial margin that would otherwise have been held.	- ₺	

23.1 **Disclosure of rules, key procedures, and market data; Average Daily Volumes Quarterly, Average Per Business Day**

				Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market (Including Repo)	BIAS FX SWAP Market
23.1.1	Average Daily Volumes	Index Future	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.2	Average Daily Volumes	Index Future	TRY	ETD	2,515,271,718 ₺	- ₺	- ₺	- ₺	- ₺
23.1.3	Notional Value of trades cleared	Index Future	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.4	Notional Value of trades cleared	Index Future	TRY	ETD	8,450,016,055 ₺	- ₺	- ₺	- ₺	- ₺
23.1.5	Average Daily Volumes	FX Future	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.6	Average Daily Volumes	FX Future	TRY	ETD	1,300,263,111 ₺	- ₺	- ₺	- ₺	- ₺
23.1.7	Notional Value of trades cleared	FX Future	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.8	Notional Value of trades cleared	FX Future	TRY	ETD	5,709,682,056 ₺	- ₺	- ₺	- ₺	- ₺
23.1.9	Average Daily Volumes	Equity Future	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.10	Average Daily Volumes	Equity Future	TRY	ETD	224,422,194 ₺	- ₺	- ₺	- ₺	- ₺
23.1.11	Notional Value of trades cleared	Equity Future	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.12	Notional Value of trades cleared	Equity Future	TRY	ETD	391,195,804 ₺	- ₺	- ₺	- ₺	- ₺
23.1.13	Average Daily Volumes	Gold Future	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.14	Average Daily Volumes	Gold Future	TRY	ETD	90,655,468 ₺	- ₺	- ₺	- ₺	- ₺
23.1.15	Notional Value of trades cleared	Gold Future	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.16	Notional Value of trades cleared	Gold Future	TRY	ETD	408,749,374 ₺	- ₺	- ₺	- ₺	- ₺
23.1.17	Average Daily Volumes	Commodity Future	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.18	Average Daily Volumes	Commodity Future	TRY	ETD	5,905,967 ₺	- ₺	- ₺	- ₺	- ₺
23.1.19	Notional Value of trades cleared	Commodity Future	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.20	Notional Value of trades cleared	Commodity Future	TRY	ETD	128,734,249 ₺	- ₺	- ₺	- ₺	- ₺
23.1.21	Average Daily Volumes	Index Option	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.22	Average Daily Volumes	Index Option	TRY	ETD	9,101,559 ₺	- ₺	- ₺	- ₺	- ₺
23.1.23	Notional Value of trades cleared	Index Option	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.24	Notional Value of trades cleared	Index Option	TRY	ETD	5,986,856 ₺	- ₺	- ₺	- ₺	- ₺
23.1.25	Average Daily Volumes	Equity Option	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.26	Average Daily Volumes	Equity Option	TRY	ETD	4,113,900 ₺	- ₺	- ₺	- ₺	- ₺
23.1.27	Notional Value of trades cleared	Equity Option	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.28	Notional Value of trades cleared	Equity Option	TRY	ETD	6,056,316 ₺	- ₺	- ₺	- ₺	- ₺
23.1.29	Average Daily Volumes	FX Option	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.30	Average Daily Volumes	FX Option	TRY	ETD	29,542,806 ₺	- ₺	- ₺	- ₺	- ₺
23.1.31	Notional Value of trades cleared	FX Option	TRY	OTC	NA	- ₺	- ₺	- ₺	- ₺
23.1.32	Notional Value of trades cleared	FX Option	TRY	ETD	3,463,094 ₺	- ₺	- ₺	- ₺	- ₺
23.1.33	Average Daily Volumes	Equity-Securities Lending	TRY	ETD	- ₺	62,112,728 ₺	- ₺	- ₺	- ₺
23.1.34	Notional Value of trades cleared	Equity-Securities Lending	TRY	ETD	- ₺	62,112,728 ₺	- ₺	- ₺	- ₺
23.1.35	Average Daily Volumes	Cash (Money market)	TRY	ETD	- ₺	- ₺	- ₺	- ₺	- ₺
23.1.36	Notional Value of trades cleared	Cash (Money market)	TRY	ETD	- ₺	- ₺	- ₺	- ₺	- ₺
23.1.37	Average Daily Volumes	Cash (Equity market)	TRY	ETD	- ₺	- ₺	- ₺	7,188,556,288 ₺	- ₺
23.1.38	Notional Value of trades cleared	Cash (Equity market)	TRY	ETD	- ₺	- ₺	- ₺	1,286,802,575 ₺	- ₺

23.2 **Disclosure of rules, key procedures, and market data; Non-Yet-Settled Quarterly, At Quarter End**

Derivatives	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market (Including Repo)	FX SWAP MARKET
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23.2.1	Gross notional outstanding/total settlement value of novated but not-yetsettled securities transactions	Index Future	TRY	ETD	NA	NA	NA	NA	NA	NA
23.2.2	Gross notional outstanding/total settlement value of novated but not-yetsettled securities transactions	FX Future	TRY	ETD	NA	NA	NA	NA	NA	NA
23.2.3	Gross notional outstanding/total settlement value of novated but not-yetsettled securities transactions	Equity Future	TRY	ETD	100%	NA	NA	NA	NA	NA
23.2.4	Gross notional outstanding/total settlement value of novated but not-yetsettled securities transactions	Gold Future	TRY	ETD	NA	NA	NA	NA	NA	NA
23.2.5	Gross notional outstanding/total settlement value of novated but not-yetsettled securities transactions	Commodity Future	TRY	ETD	100%	NA	NA	NA	NA	NA
23.2.6	Gross notional outstanding/total settlement value of novated but not-yetsettled securities transactions	Index Option	TRY	ETD	NA	NA	NA	NA	NA	NA
23.2.7	Gross notional outstanding/total settlement value of novated but not-yetsettled securities transactions	Equity Option	TRY	ETD	100%	NA	NA	NA	NA	NA
23.2.8	Gross notional outstanding/total settlement value of novated but not-yetsettled securities transactions	FX Option	TRY	ETD	NA	NA	NA	NA	NA	NA
23.2.9	Gross notional outstanding/total settlement value of novated but not-yetsettled securities transactions	Equity-Securities Lending	TRY	ETD	NA	100%	NA	NA	NA	NA
23.2.10	Gross notional outstanding/total settlement value of novated but not-yetsettled securities transactions	Equity-Cash	TRY	ETD	NA	NA	NA	100%	NA	NA
23.2.11	Gross notional outstanding/total settlement value of novated but not-yetsettled securities transactions	Cash (Money market)	TRY	ETD	NA	NA	100%	NA	NA	NA

23.3 **Disclosure of rules, key procedures, and market data; Execution Facility**

Quarterly, At Quarter End

		Derivatives*	Securities Lending Market	BIAS Money Market	BIAS Equity Market	BIAS FI Market (Including Repo)	BIAS FX SWAP Market	
23.3.1	Average daily volumes submitted by Execution facility or matching/confirmation venue	BIST	4,179,276,721.86 ₺	- ₺	-	2,929,831,641.33 ₺	17,508,710,278.49 ₺	316,550,000.00 ₺
23.3.2	Notional contract values submitted by Execution facility or matching/confirmation venue	BIST	15,103,883,803.74 ₺	- ₺	-	871,438,313.02 ₺	14,644,401,462.00 ₺	320,155,000.00 ₺
23.3.3	Average daily volumes submitted by Execution facility or matching/confirmation venue	TAKASBANK	- ₺	47,279,043.00 ₺	- ₺	- ₺	- ₺	- ₺
23.3.4	Notional contract values submitted by Execution facility or matching/confirmation venue	TAKASBANK	- ₺	47,279,043.00 ₺	- ₺	- ₺	- ₺	- ₺

(*) Two sided volume and notional contract