Public Quantitative Disclosure

Standards for Central Counterparties

Thailand Clearing House

Responding institution: Thailand Clearing House Co. Ltd. (TCH)

Jurisdiction (s) in which the FMI operates: Thailand

Authority (ies) regulating, supervising or overseeing the FMI: The Securities and Exchange Commission (SEC) and Bank of Thailand (BOT)

The date of this disclosure is 5 November 2024

This disclosure can also be found at www.set.or.th/tch

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			As of Quarter 3/2024
No.	Dicalogura Deparintion	Disclosure	Data (Unit: million THB)
NO.	Disclosure Description	Derivatives	Securities
incip	le 4 Credit Risk		
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		
	(a) Pre-funded default resources	4,085.39	7,205.50
	i. Own capital that forms part of the default waterfall (further split by whether		
	used before, alongside, or after, member contributions)		
4.1.1	I Prefunded - Own Capital Before	40.00	60.00
4.1.2	I Prefunded - Own Capital Alongside	-	-
4.1.3	I Prefunded - Own Capital After	2,364.03	3,594.32
4.1.4	ii. Aggregate participant contributions (both amount required and post-haircut		
	amount posted, where different)	1,681.36	3,551.18
4.1.5	Prefunded - Aggregate Participant Contributions - Post-Haircut Posted;		
	Reported as at quarter end	-	-
4.1.6	iii. Other	-	-
4.1.7	Committed - Own/parent funds that are committed to address a participant		
	default (or round of participant defaults)	-	-



Na	Disclosure Description -	Disclosure Data	(Unit: million THB)
No.		Derivatives	Securities
4.1.8	Committed - Aggregate participant commitments to address an initial		
	participant default (or initial round of participant defaults)	1,681.36	N/A
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	N/A	N/A
	defaults) has been addressed		
4.1.10	Committed - Other	-	-
4.2.1	KCCP	BCBS 227 (CEM): THB 0.00	
	Kccp need only be reported by those CCPs which are, or seek to be, a	BCBS 282 (SA-CCR): THB 48,571,896.98	
	"qualifying CCP" under relevant law.		0.00
		(Data as of 30 September, 2024)	
	C-Factor (%)	BCBS 227 (CEM) :0.214%	0.00
		BCBS 282 (SA-CCR):1.189%	0.00
4.3.1	Value of pre-funded default resources (excluding initial and retained variation		
	margin) held for each clearing service, in total and split by		
	Cash deposited at a central bank of issue of the currency concerned;		
	Reported as at quarter end; Pre-Haircut and Post-Haircut		
4.3.2	Cash deposited at other central banks;		
	Reported as at quarter end; Pre-Haircut and Post-Haircut		



N	Disclosure Description –	Disclosure I	Data (Unit: million THB)	
No.		Derivatives	Securities	
4.3.3	Secured cash deposited at commercial banks (including reverse repo);			
	Reported as at quarter end; Pre-Haircut and Post-Haircut			
4.3.4	Unsecured cash deposited at commercial banks;			
	Reported as at quarter end; Pre-Haircut and Post-Haircut	1.00	11.36	
4.3.5	Non-Cash Sovereign Government Bonds - Domestic;			
	Reported as at quarter end; Pre-Haircut and Post-Haircut	4,084.39	7,194.14	
4.3.6	Non-Cash Sovereign Government Bonds - Other;			
	Reported as at quarter end; Pre-Haircut and Post-Haircut			
4.3.7	Non-Cash Agency Bonds;			
	Reported as at quarter end; Pre-Haircut and Post-Haircut			
4.3.8	Non-Cash State/municipal bonds;			
	Reported as at quarter end; Pre-Haircut and Post-Haircut			
4.3.9	Non-Cash Corporate bonds;			
	Reported as at quarter end; Pre-Haircut and Post-Haircut			
4.3.10	Non-Cash Equities;			
	Reported as at quarter end; Pre-Haircut and Post-Haircut			



N.	Disclosure Description	Disclosure	Data (Unit: million THB)
No.		Derivatives	Securities
4.3.11	Non-Cash Commodities - Gold;		
	Reported as at quarter end; Pre-Haircut and Post-Haircut		
4.3.12	Non-Cash Commodities - Other;		
	Reported as at quarter end; Pre-Haircut and Post-Haircut		
4.3.13	Non-Cash Commodities - Mutual Funds / UCITs;		
	Reported as at quarter end; Pre-Haircut and Post-Haircut		
4.3.14	Non-Cash Commodities - Other;		
	Reported as at quarter end; Pre-Haircut and Post-Haircut		
4.3.15	In total.		
	Reported as at quarter end; Pre-Haircut and Post-Haircut	4,085.39	7,205.50
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
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.	1 day	3 - 5 days Depend on securities type



No.	Disclosure Description	Disclosure	Data (Unit: million THB)
NO.		Derivatives	Securities
4.4.3	For each clearing service, 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; Peak day amount in the previous 12 months and mean average over the previous 12 months	N/A	N/A
4.4.4	Report the number of business days, if any, on which the above amount (4.4.3) exceeded actual pre-funded default resources (in excess of initial margin).	N/A	N/A
4.4.5	The amount in 4.4.3 which exceeded actual pre-funded default resources (in excess of initial margin)	N/A	N/A
4.4.6	For each clearing service, the actual largest aggregate credit exposure (in excess of initial margin) to any single participant and its affiliates (including transactions cleared for indirect participants); Peak day amount in the previous 12 months and mean average over the previous 12 months	N/A	N/A



			As of Quarter 3/2024
No.	Disclosure Description -	Disclosure	Data (Unit: million THB)
NO.		Derivatives	Securities
4.4.7	For each clearing service, 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; Peak day amount in the previous 12 months and mean average over the previous 12 months	N/A	N/A
4.4.8	Number of business days, if any, on which the above amount (4.4.7) exceeded actual pre-funded default resources (in excess of initial margin) and by how much.	N/A	N/A
4.4.9	The amount in 4.4.7 which exceeded actual pre-funded default resources (in excess of initial margin)	N/A	N/A
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) Description: PeakDayAmountInPrevious12Months; MeanAverageOverPrevious12Months	N/A	N/A
Principl	e 5 Collateral		
5.1.1	Assets eligible as initial margin and the respective haircuts applied.	Please refer to the information disclosed at TCH website https://www.set.or.th/en/tch/rules-regulations/regulations	Please refer to the information disclosed at TCH website https://www.set.or.th/en/tch/rules-regulations/regulations



N ₀	Disclosure Description -	Disclosure	Data (Unit: million THB)	
No.		Derivatives	Securities	
5.2.1	Assets eligible for pre-funded participant contributions to the default			
	resources and the respective haircuts applied (if different from 5.1).	Same as 5.1	Same as 5.1	
5.3.1	Confidence interval targeted through the calculation of haircuts	N/A	N/A	
5.3.2	Assumed holding/liquidation period for the assets accepted	N/A	N/A	
5.3.3	Look-back period used for testing the haircuts	N/A	N/A	
5.3.4	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.	N/A	N/A	
Princip	le 6 Margin			
6.1.1	For each clearing service, total initial margin required, split by house and			
	client			
	- House; the aggregate of House-margin and Securities deposit	1,699.98	-	
	- Client	6,781.12	-	
6.2	Total initial margin held, split by house and client			
6.2.1	Cash deposited at a central bank of issue of the currency concerned; Total			
	split by House and Client; Pre-Haircut and Post Hair-cut			



No.	Disclosure Description	Disclosure	Data (Unit: million THB)
		Derivatives	Securities
5.2.2	Cash deposited at other central banks; Total split by House and Client; Pre-		
	Haircut and Post-Haircut		
	'- House		
.2.2	Cash deposited at other central banks; Total split by House and Client; Pre-		
	Haircut and Post-Haircut		
	'- Client		
5.2.3	Secured cash deposited at commercial banks (including reverse repo); Total		
	split by House and Client; Pre-Haircut and Post-Haircut		
.2.4	Unsecured cash deposited at commercial banks; Total split by House and		
	Client; Pre-Haircut and Post Hair-cut		
	- House; the aggregate of House-margin and Securities deposit	2,813.05	-
	(THB Pre = Post Haircut)		
	Unsecured cash deposited at commercial banks; Total split by House and		
	Client; Pre-Haircut and Post Hair-cut	13,030.87	<u>-</u>
	- Client (THB Pre = Post Haircut)		
	Unsecured cash deposited at commercial banks; Total split by House and		
	Client; Pre-Haircut and Post Hair-cut	USD 1.57	_
	- Client : USD pre haircut	1.07	



No.	Disclosure Description ———	Disclosure	Data (Unit: million THB)
NO.		Derivatives	Securities
	Unsecured cash deposited at commercial banks; Total split by House and		
	Client; Pre-Haircut and Post Hair-cut		
	- Client [USD Post Haircut according to Procedures of TCH (with respect to	USD 1.53	_
	derivatives) Chapter 500 Margins: 503.03 (2) and TCH Notification Re:	002 7.00	
	Haircut Rate]		
	Unsecured cash deposited at commercial banks; Total split by House and		
	Client; Pre-Haircut and Post Hair-cut	-	-
	- Client : EUR pre haircut		
	Unsecured cash deposited at commercial banks; Total split by House and		
	Client; Pre-Haircut and Post Hair-cut	_	<u>-</u>
	- Client : EUR Post haircut		
6.2.5	Non-Cash Sovereign Government Bonds - Domestic; Total split by House		
	and Client;Pre-Haircut and Post Hair-cut	-	
	Non-Cash Sovereign Government Bonds - Domestic; Total split by House		
	and Client;Pre-Haircut and Post Hair-cut	-	
	- House : THB Post haircut		
	Non-Cash Sovereign Government Bonds - Domestic; Total split by House		
	and Client;Pre-Haircut and Post Hair-cut	198.63	
	- Client : THB pre haircut		



No.	Disclosure Description	Disclosure	Data (Unit: million THB)
NO.		Derivatives	Securities
	Non-Cash Sovereign Government Bonds - Domestic; Total split by House		
	and Client;Pre-Haircut and Post Hair-cut	197.64	
	- Client: THB Post haircut		
6.2.6	Non-Cash Sovereign Government Bonds - Other; Total split by House and		
	Client;Pre-Haircut and Post Hair-cut		
6.2.7	Non-Cash Agency Bonds; Total split by House and Client;Pre-Haircut and		
	Post Hair-cut		
6.2.8	Non-Cash State/municipal bonds; Total split by House and Client; Pre-		
	Haircut and Post Hair-cut		
6.2.9	Non-Cash Corporate bonds; Total split by House and Client; Pre-Haircut and		
	Post Hair-cut		
5.2.10	Non-Cash Equities;		
	- House		
	Non-Cash Equities; pre haircut	-	-
	Non-Cash Equities;		
	- House	-	<u>-</u>
	Non-Cash Equities; Post haircut		



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Na	Disclosure Description	Disclosure	Data (Unit: million THB)
No.		Derivatives	Securities
	Non-Cash Equities;		
	- Client	0.26	_
	Non-Cash Equities; pre haircut		
	Non-Cash Equities;		
	- Client	0.22	<u>-</u>
	Non-Cash Equities; Post haircut		
6.2.11	Non-Cash Commodities - Gold;		
	Description: HouseIM_PreHaircut, HouseIM_PostHaircut,		
	ClientIM_PreHaircut, ClientIM_PostHaircut, TotalIM_PreHaircut,		
6.2.12	Non-Cash Commodities - Other; Total split by House and Client; Pre-Haircut		
	and Post Hair-cut		
6.2.13	Non-Cash - Mutual Funds / UCITs; Total split by House and Client; Pre-		
	Haircut and Post Hair-cut		
6.2.14	Non-Cash - Other; Total split by House and Client; Pre-Haircut and Post		
	Hair-cut		
6.2.15	For each clearing service, total initial margin held, split by house and client (if		
	segregated).		
	total initial margin (PreHaircut)	THB 16,042.81	-
	total initial margin (PostHaircut)	THB 16,041.78	-



No	Disclosure Description -	Disclosure	Data (Unit: million THB)
No.		Derivatives	Securities
	total initial margin (PreHaircut: USD)	USD 1.57	
	total initial margin (PostHaircut: USD)	USD 1.53	
6.3.1	Initial margin rates on individual contracts, where the CCP sets such rates.		
		Please refer to the information disclosed at TCH website https://www.set.or.th/en/tch/rules-regulations/regulations	Please refer to the information disclosed at TCH website https://www.set.or.th/en/tch/rules-regulations/regulations
		Titips.//www.set.or.til/er//tor/rules-regulations/regulations	mtps://www.set.or.dr/en//or/fules-regulations/regulations
6.4.1	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.		
6.4.2	Type of IM Model Change Effective Date		
6.4.3	IM Model Name		
6.4.4	IM Model Name Change Effective Date		
6.4.5	i. Single-tailed confidence level targeted	0.99	0.99
6.4.6	Single Tailed Confidence Level Change Effective Date		



NI.	Disclosure Description -	Disclosure	Data (Unit: million THB)
No.		Derivatives	Securities
6.4.7	look-back period for calibrating the model	At least 250 days	At least 250 days
6.4.8	Look Back Period Change Effective Date		
6.4.9	Adjustments or scalars or weighting, if any, applied to historical data	-	-
6.4.10	Adjustments Change Effective Date		
6.4.11	iv. Close-out/holding periods by product (or, if varying, contract type)	1 day	3 - 5 days Depend on securities type
6.4.12	Close out period change Effective Date		
5.4.13	IM Rates Link		
6.4.14	Frequency of Parameter Review		
6.4.15	vi. The frequency of parameter reviews Change Effective Date	Monthly	Daily
.5.1.1	(a) 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.	-	-



	Disclesure Description	Disclosure	Data (Unit: million THB)
0.	Disclosure Description	Derivatives	Securities
1.2	Frequency of daily back-testing result measurements.	-	-
5.1.3	Time of daily back-testing result if measured once a day.	-	-
.5.2	(b) Number of observations (i.e. number of accounts multiplied by number of		
	days covered in the back test)	-	-
3.5.3	(c) Achieved coverage level, i.e. [(b) – (a)]/(b)	-	-
6.5.4	Where breaches of initial margin coverage (as defined in 6.5(a)) have		
	occurred, report on size of uncovered exposure; Peak size	-	-
3.5.5	Where breaches of initial margin coverage (as defined in 6.5(a)) have		
	occurred, report on size of uncovered exposure; Average Size	-	-
5.6.1	Average total variation margin paid to the CCP by participants each business		
	day.	551.33	-
6.7.1	Maximum total variation margin paid to the CCP on any given business day		
	over the period	2,200.69	
3.8.1	Maximum aggregate initial margin call on any given business day over the		
	period	1,056.50	



No	Disclosure Description -	Disclosure	Data (Unit: million THB)
No.		Derivatives	Securities
7.1.1	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' or 'Cover 2'.	Cover 2	Cover 2
7.1.2	Size and composition of qualifying liquid resources for each clearing service (or at aggregate CCP level if not managed at clearing service level) – for each relevant currency – split by: (a) Cash deposited at a central bank of issue of the currency concerned	NA	NA
7.1.3	(b) Cash deposited at other central banks	-	-
7.1.4	(c) Secured cash deposited at commercial banks (including reverse repo)	-	-
7.1.5	(d) Unsecured cash deposited at commercial banks	-	-
7.1.6	(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;	-	-
7.1.7	(f) Unsecured committed lines of credit (ie which the CCP may draw without providing collateral/security)	-	-
7.1.8	(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	-	-



No	Disclosure Description -	Disclosure D	Oata (Unit: million THB)
No.		Derivatives	Securities
7.1.9	(h) Other (please specify).State whether the CCP has routine access to	_	_
	central bank liquidity or facilities.	-	•
7.1.10	State whether the CCP has routine access to central bank liquidity or	-	-
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.		
7.2.1	Size and composition of any supplementary liquidity risk resources for each		
	clearing service above those qualifying liquid resources above.	20,342.04	10,955.50
7.3.1	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	N/A	N/A
	participants) in extreme but plausible market conditions.		
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	N/A	N/A
	the point the breach occurred), and by how much.		
7.3.3	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	N/A	N/A
	breach occurred), and by how much; Amount of excess on each day		
7.3.4	Actual largest intraday and multiday payment obligation of a single participant		
	and its affiliates (including transactions cleared for indirect participants) over	N/A	N/A
	the past twelve months; Peak day amount in previous twelve months		



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No.	Disclosure Description	Disclosure	Data (Unit: million THB)
140.	Disclosure Description	Derivatives	Securities
7.3.5	Estimated largest same-day and, where relevant, intraday and multiday		
	payment obligation in each relevant currency that would be caused by the		
	default of any single participant and its affiliates (including transactions	N/A	N/A
	cleared for indirect participants) in extreme but plausible market conditions.		
7.3.6	Number of business days, if any, on which the above amounts exceeded its		
	qualifying liquid resources in each relevant currency (as identified in 7.1 and	N/A	N/A
	available at the point the breach occurred), and by how much		
7.3.7	Report the number of business days, if any, on which the above amounts		
	exceeded its qualifying liquid resources in each relevant currency		
	(as identified in 7.1 and available at the point the breach occurred), and by	N/A	N/A
	how much.		
rincipl	e 12 Exchange of value settlement systems		
12.1.1	Percentage of settlements by value effected using a DvP settlement	NVA	DVD 4000/
	mechanism	N/A	DVP 100%
12.12	Percentage of settlements by value effected using a DvD settlement		
	mechanism		
12.1.3	Percentage of settlements by value effected using a PvP settlement		
	mechanism		
12.2.1	Percentage of settlements by volume effected using a DvP settlement		
	mechanism	-	DVP 100%



			As of Quarter 3/2024
No	Disclosure Description	Disclosure	Data (Unit: million THB)
No.	Disclosure Description	Derivatives	Securities
12.2.2	Percentage of settlements by volume effected using a DvD settlement		
	mechanism		
12.2.3	Percentage of settlements by volume effected using a PvP settlement		
	mechanism		
Principl	e 13 Default rules and procedures		
13.1.1	Quantitative information related to defaults; Amount of loss versus amount of	N/A	NVA
	initial margin	N/A	N/A
13.1.2	Quantitative information related to defaults; Amount of other financial	N/A	N/A
	resources used to cover losses	N/A	IWA
13.1.3.1	Quantitative information related to defaults; Proportion of client positions	N/A	N/A
	closed-out	IVA	IVA
13.1.3.2	Quantitative information related to defaults; Proportion of client positions	N/A	N/A
13.1.4	Quantitative information related to defaults; Appropriate references to other	N/A	N/A
	published material related to the defaults	N/A	INA
Principl	e 14 Segregation and portability		
14.1.1	Total Client Positions held in individually segregated accounts	N/A	N/A
14.1.2	Total Client Positions held in omnibus client-only accounts, other than LSOC	AV/A	N/A
	accounts	N/A	N/A
14.1.3	Total Client Positions held in legally segregated but operationally comingled	N// 0	N/A
	(LSOC) accounts	N/A	N/A
14.1.4	Total Client Positions held in comingled house and client accounts	N/A	N/A
rincipl	e 15 General business risk		



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No.	Disclosure Description	Disclosure	Data (Unit: million THB)
140.		Derivatives	Securities
15.1.1	Value of liquid net assets funded by equity	https://www.set.or.th/en/	/tch/about/tch-factsheet
15.1.2	Six months of current operating expenses	https://www.set.or.th/en/	/tch/about/tch-factsheet
15.2.1	Total Revenue	891	.85
15.2.2	Total Expenditure	557	.26
15.2.3	Profits	198.31	
15.2.4	Total Assets	2815	1.00
15.2.5	Total Liabilities	26473.99	
15.2.6	Explain if collateral posted by clearing participants is held on or off the CCP's		
	balance sheet		
15.2.7	Additional items as necessary		
15.3.1	Percentage of total income that comes from fees related to provision of		
	clearing services		
15.3.2	Percentage of total income that comes from the reinvestment (or		
	rehypothecation) of assets provided by clearing participants		
Principl	e 16 Custody and investment risks		
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		
	- Initial Margin (THB)	THB 15,527.15	-



No.	Disclosure Description	Disclosure Data (Unit: million TH	
NO.	Disclosure Description	Derivatives	Securities
	- Initial Margin (USD)	USD 1.53	
	[USD Post Haircut according to Procedures of TCH (with respect to		
	derivatives) Chapter 500 Margins: 503.03 (2) and TCH Notification Re:		
	Haircut Rate]		
	- Initial Margin (EURO)	EUR 0.00	
	- Initial Margin (JPY)	JPY 0.00	
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	1681.36	3551.18
	contribution		
16.2	How the total cash received from participants (ie the combined total of initial		
	margin and default fund contributions in 16.1) is held/deposited/invested.		
16.2.1	Percentage of total participant cash held as cash deposits (including through	40.000/	0.400/
	reverse repo)	40.80%	0.16%
6.2.2	Percentage of total participant cash held as cash deposits (including through		
	reverse repo); as cash deposits at central banks of issue of the currency	0.00%	0.00%
	deposited		
16.2.3	Percentage of total participant cash held as cash deposits (including through	0.000	0.000/
	reverse repo); as cash deposits at other central banks	0.00%	0.00%
6.2.4	Percentage of total participant cash held as cash deposits (including through		
	reverse repo); as cash deposits at commercial banks (Secured, including	0.00%	0.00%
	through reverse repo)		



M.	Disclosure Description –	Disclosure I	Data (Unit: million THB)
No.		Derivatives	Securities
16.2.5	Percentage of total participant cash held as cash deposits (including through reverse repo); as cash deposits at commercial banks (Unsecured)	40.80%	0.16%
	Percentage of total participant cash held as cash deposits (including through reverse repo); in money market funds	0.00%	0.00%
	Percentage of total participant cash held as cash deposits (including through reverse repo); in other forms	0.00%	0.00%
	Percentage of total participant cash held as cash deposits (including through reverse repo); percentage split by currency of these cash deposits (including	THB : 40.521 %	
	reverse repo) and money market funds by CCY; Specify local currency in comments	USD: 0.280 %	THB 100%
		EUR : 0.000 %	
	Percentage of total participant cash held as cash deposits (including through reverse repo); weighted average maturity of these cash deposits (including reverse repo) and money market funds	N/A	N/A
	Percentage of total participant cash invested in securities; Domestic sovereign government bonds	59.20%	99.84%
	Percentage of total participant cash invested in securities; Other sovereign government bonds	0.00%	0.00%
16.2.12	Percentage of total participant cash invested in securities; Agency Bonds	0.00%	0.00%
16.2.13	Percentage of total participant cash invested in securities; State/municipal bonds	0.00%	0.00%



No.	Disclosure Description —	Disclosure Data (Unit: million TI	
NO.		Derivatives	Securities
16.2.14	Percentage of total participant cash invested in securities; Other instruments	0.00%	0.00%
	Percentage of total participant cash invested in securities; percentage split by currency of these securities; Specify local currency in comments;	0.00%	0.00%
16.2.16	Weighted average maturity of securities	N/A	0.00%
	Provide an estimate of the risk on the investment portfolio (excluding central bank and commercial bank deposits) (99% one-day VaR, or equivalent)	N/A	0.00%
	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.	25.00%	25.00%
	State the number of times over the previous quarter in which this limit has been exceeded.	0.00%	0.00%
6.2.20	Percentage of total participant cash held as securities.	0.00%	0.00%
16.3.1	Total value of participant non-cash rehypothecated (Initial margin)		
16.3.2	Total value of participant non-cash rehypothecated (Default fund)		
	Rehypothecation of participant assets (ie non-cash) by the CCP where allowed; initial margin; over the following maturities: Overnight/one day; one day and up to one week; One week and up to one month; One month and up to one year; One year and up to two years; Over two years	Not Applicable	Not Applicable



			As of Quarter 3/2024 Thailand Clearing House
No.	Disclosure Description	Disclosure	Data (Unit: million THB)
NO.	Disclosure Description –	Derivatives	Securities
16.3.4	Rehypothecation of participant assets (ie non-cash); default fund; over the		
	following maturities:		
	Overnight/one day; one day and up to one week; One week and up to one	Not Applicable	Not Applicable
	month; One month and up to one year; One year and up to two years; Over		
	two years		
Principl	le 17 Operational risk		
17.1.1	Operational availability target for the core system(s) involved in clearing		
	(whether or not outsourced) over specified period for the system (e.g.	100	100
	99.99% over a twelve-month period)		
17.2.1	Actual availability of the core system(s) over the previous twelve month period	100	100
17.3.1	Total number of failures and duration affecting the core system(s) involved	0.00.00	0.00.00
	in clearing over the previous twelve month period	0:00:00	0:00:00
17.4.1	Recovery time objective(s) (e.g. within two hours)	0 - 2 Hours	0 - 2 Hours
Principl	le 18 Access and participation requirements		
18.1.1.1	Number of general clearing members	Clearing Member : 37	Clearing Member : 37
		For more detail information about TCH Clearing member	For more detail information about TCH Clearing member
		participant, please refer to the information disclosed at TCH	participant, please refer to the information disclosed at TCH
		website:	website: https://www.set.or.th/en/tch/services/equities-
		https://www.set.or.th/en/tch/services/derivatives/services	bond/services
		(As of 9 May 2024)	(As of 9 May 2024)
18.1.1.2	Number of direct clearing members		
18.1.1.3	Number of others category (Describe in comments)		



No.	Disclosure Description -	Disclosure	Data (Unit: million THB)
NO.		Derivatives	Securities
18.1.2.1	Number of central bank participants		
18.1.2.2	Number of CCP participants		
18.1.2.3	Number of bank participants		
18.1.2.4	Number of other participants (Describe in comments)		
18.1.3.1	Number of domestic participants		
18.1.3.2	Number of foreign participants		
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 and Peak		
	over the quarter		
18.2.2	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 and Peak over the quarter		
18.2.3	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 and Peak over the quarter		
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	N/A	
	members, including both house and client, in aggregate; Average and Peak		
	over the quarter		



No.	Disclosure Description	Disclosure Data	a (Unit: million THB)
		Derivatives	Securities
18.3.2	For each clearing service with 25 or more members; Percentage of initial		
	margin posted by the largest five clearing members, including both house		
	(the aggregate of House-margin and Securities deposit) and client, in	59.09%	0.00 %
	aggregate; Average and Peak over the quarter		
18.3.3	For each clearing service with 25 or more members; Percentage of initial		
	margin posted by the largest ten clearing members, including both house		
	(the aggregate of House-margin and Securities deposit) and client, in	79.98%	0.00 %
	aggregate; Average and Peak over the quarter		
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		
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	41.85%	26.94 % (five)
	clearing members in aggregate		
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	60.67%	46.67 % (ten)
	members in aggregate		
rincipl	e 19 Tiered participation arrangements		
19.1.1	Number of clients (if known)	NA	NA
19.1.2	Number of direct members that clear for clients	NA	NA



No.	Disclosure Description -	Disclosure	Data (Unit: million THB)	
		Derivatives	Securities	
19.1.3.1	Percent of client transactions attributable to the top five clearing members			
	(if CCP has 10+ clearing members) - Peak	NA	NA	
19.1.3.2	Percent of client transactions attributable to the top five clearing members			
	(if CCP has 10+ clearing members) - Average	NA	NA	
19.1.4.1	Percent of client transactions attributable to the top ten clearing members		NA.	
	(if CCP has 25+ clearing members) - Peak	NA	NA NA	
19.1.4.2	Percent of client transactions attributable to the top ten clearing members	NA	NA	
	(if CCP has 25+ clearing members) - Average			
Principl	e 20 FMI Links			
20.1.1	Value of trades cleared through each link – as a share of total trade	NA	NA	
	values/total notional values cleared			
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	NA	NA	
	contracts cleared across link			
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	NA	NA	
	cleared across link (at market value and post haircut)			
20.4.1.1	Number of times over the past twelve months that coverage provided by	NA	NA	
	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			



		As of Quarter 3/2024	
Na	Disclacure Description	Disclosure	Data (Unit: million THB)
No.	Disclosure Description -	Derivatives	Securities
20.4.1.2	Back-testing results frequency - state if measured intraday/continuously/once a day	NA	NA
20.4.1.3	If 20.4.1.2 is 'once a day' then the time of day measure is taken, otherwise blank	NA	NA
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	NA	NA
20.4.3	Achieved coverage level	NA	NA
20.5.1.1	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	NA	NA
20.5.1.2	Whether part of, additional to, or separate from the standard default fund	NA	NA
20.6.1.1	Additional pre-funded financial resources (if any) beyond initial margin and equivalent financial resources collected from each linked CCP, that are available to the linked CCP to cover exposures to the CCP	NA	NA
20.6.1.2	Whether part of, additional to, or separate from the standard default fund	NA	NA
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	NA
20.7.2	Reduction in total initial margin held by the CCP as a result of cross margining, as a percentage of total initial margin that would otherwise have been held.	NA	NA



No.	Disclosure Description	Disclosure	Data (Unit: million THB)
		Derivatives	Securities
23.1.1	Average Daily Volumes by Asset Class, Instrument, CCY and Over-the-Counter(OTC) or Exchange Traded (ETD)	https://www.tfex.co.th/tfex/dailyMarketReport.html?locale=en_US	https://www.set.or.th/th/market/product/stock/overview
23.1.2	Average Notional Value of trades cleared by Asset Class, CCY and Over-the-Counter(OTC) or Exchange Traded (ETD)	https://www.tfex.co.th/tfex/dailyMarketReport.html?locale=en_US	https://www.set.or.th/th/market/product/stock/overview
23.2.1	Gross notional outstanding/total settlement value of novated but not-yet settled securities transactions by Asset Class, Instrument, CCY and Over-the-Counter(OTC) or Exchange Traded (ETD)		
23.2.2	Defines the Asset Class for volumes reported in Disclosure References 23.1.1, 23.1.2 and 23.2.1		
23.2.3	Defines the Product Type for volumes reported in Disclosure References 23.1.1, 23.1.2 and 23.2.1		
23.2.4	Defines the Product Code for volumes reported in Disclosure References 23.1.1, 23.1.2 and 23.2.1		
23.3.1	Average daily volumes submitted by Execution facility or matching/confirmation venue	https://www.tfex.co.th/tfex/dailyMarketReport.html?locale=en_US	https://www.set.or.th/th/market/product/stock/overview
23.3.2	Notional contract values submitted by Execution facility or matching/confirmation venue		