

Financial Market Infrastructure: Quantitative Disclosure

(Unit : Millions of yen)

Principle 4 Credit Risk			Frequency		Clearing Service			Comments
Ref.No.	Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	FX Clearing	
4.1	Total value of default resources (excluding initial and retained variation margin)							
4.1.1	Prefunded Own Capital	Before	2021/12/31	2021/12/31	300	2,400	500	
4.1.2		Alongside			0	0	0	
4.1.3		After			0	0	0	
4.1.4	Prefunded Participant contributions	Required	1,450	957	25			
4.1.5		Posted Post-Haircut	7,243	15,684	117			
4.1.6	Prefunded Other				0	0	0	
4.1.7	Committed Own/parent funds	Round of participant defaults	2021/12/31	2021/12/31	0	0	0	
4.1.8		Initial round of participant default			0	0	0	
4.1.9	Committed Participant commitments	Replenish the default fund			Unlimited	Unlimited	Unlimited	
4.1.10		Committed Other			0	0	0	
4.2	KCCP							
4.2.1	Kccp - Kccp need only be reported by those CCPs which are, or seek to be a "qualifying CCP" under relevant law		2021/12/31	2021/12/31	0	0	0	
4.3	Value of pre-funded default resources (excluding initial and retained variation margin) held for each clearing service, in total and split by							
4.3.1	Cash	Cash deposited at a central bank of issue of	2021/12/31	2021/12/31	Pre-Haircut	-	-	(4.3.3)"Secured cash deposited at commercial banks" refers to the cash deposited at ordinary deposit account or fixed deposit account in commercial bank, which does not incur any loss at the maturity.
4.3.2					Post-Haircut	-	-	
4.3.3	Cash deposited at other central banks	Pre-Haircut	-	-	-			
4.3.4		Post-Haircut	-	-	-			
4.3.5	Secured cash deposited at commercial banks	Pre-Haircut	3,393	12,554	617			
4.3.6		Post-Haircut	3,393	12,554	617			
4.3.7	Unsecured cash deposited at commercial	Pre-Haircut	0	0	0			
4.3.8		Post-Haircut	0	0	0			
4.3.9	Non-cash	Sovereign Government Bonds - Domestic	Pre-Haircut	1,073	5,375	0		
4.3.10			Post-Haircut	1,048	5,270	0		
4.3.11	Sovereign Government Bonds - Other	Pre-Haircut	-	-	-			
4.3.12		Post-Haircut	-	-	-			
4.3.13	Agency Bonds	Pre-Haircut	-	-	-			
4.3.14		Post-Haircut	-	-	-			
4.3.15	State/municipal bonds	Pre-Haircut	-	-	-			
4.3.16		Post-Haircut	-	-	-			
4.3.17	Corporate bonds	Pre-Haircut	-	-	-			
4.3.18		Post-Haircut	-	-	-			
4.3.19	Equities	Pre-Haircut	4,433	372	0			
4.3.20		Post-Haircut	3,102	260	0			
4.3.21	Commodities - Gold	Pre-Haircut	-	-	-			
4.3.22		Post-Haircut	-	-	-			
4.3.23	Commodities - Other	Pre-Haircut	-	-	-			
4.3.24		Post-Haircut	-	-	-			
4.3.25	Commodities - Mutual Funds/UCITs	Pre-Haircut	-	-	-			
4.3.26		Post-Haircut	-	-	-			
4.3.27	Commodities - Other	Pre-Haircut	-	-	-			
4.3.28		Post-Haircut	-	-	-			
4.3.29	In total				8,898	18,300	617	
4.3.30					7,543	18,084	617	
4.4	Credit Risk Disclosures							
4.4.1	Whether the CCP is subject to a minimum "Cover1" or "Cover2" requirement in reraction to total pre-funded default resources		2021/1/1	2021/12/31	4	3	2社	(4.4.1) The number of expected defaulting members is defined as one Clearing Member that would potentially cause the largest credit risk to TFX and several Clearing Members with the lowest amount of net assets. Interest Rate Futures Contracts : 3 members / Daily Futures Contracts: 2 members / FX Clearing: 1 member  (4.4.3)Regarding FX clearing which was launched on May 17, 2021, the initial margin of each participant exceeded the amount of stress loss for all participants and the stress loss (in excess of initial margin) did not occur.  (4.4.3~4.4.6, 4.4.7~4.4.10)The estimated largest aggregate stress loss (here in after "ELL") is calculated on the basis of the number of expected defaulting members TFX defines in 4.4.1
4.4.2	The number of business days within which the CCP assumes it will close out default when calculating credit exposures that would potentially need to be covered by the default fund				1day	1day	1日	
4.4.3	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	Peak day amount in previous 12 months			376	12,037	224	
4.4.4		Average over previous 12 months			170	1,880	2	
4.4.5	The number of business days, if any, on which the above amount (4.4.3) exceeded actual pre-funded default resources				0	0	0	
4.4.6	The amount in 4.4.3 which exceeded actual pre-funded default resources				-	-	-	
4.4.7	The actual largest aggregate credit exposure to any single participant and its affiliates				-	-	-	
4.4.8	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				-	-	-	
4.4.9	The number of business days, if any, on which the above amount (4.4.3) exceeded actual pre-funded				-	-	-	
4.4.10	The amount in 4.4.3 which exceeded actual pre-funded default resources				-	-	-	
4.4.11	The actual largest aggregate credit exposure to any two participants and their affiliates				-	-	-	
4.4.12					-	-	-	
4.4.13					-	-	-	
4.4.14					-	-	-	
4.4.15					-	-	-	
4.4.16					-	-	-	
4.4.17					-	-	-	
4.4.18					-	-	-	
4.4.19					-	-	-	
4.4.20					-	-	-	
4.4.21					-	-	-	
4.4.22					-	-	-	
4.4.23					-	-	-	
4.4.24					-	-	-	
4.4.25					-	-	-	
4.4.26					-	-	-	
4.4.27					-	-	-	
4.4.28					-	-	-	
4.4.29					-	-	-	
4.4.30					-	-	-	
4.4.31					-	-	-	
4.4.32					-	-	-	
4.4.33					-	-	-	
4.4.34					-	-	-	
4.4.35					-	-	-	
4.4.36					-	-	-	
4.4.37					-	-	-	
4.4.38					-	-	-	
4.4.39					-	-	-	
4.4.40					-	-	-	
4.4.41					-	-	-	
4.4.42					-	-	-	
4.4.43					-	-	-	
4.4.44					-	-	-	
4.4.45					-	-	-	
4.4.46					-	-	-	
4.4.47					-	-	-	
4.4.48					-	-	-	
4.4.49					-	-	-	
4.4.50					-	-	-	
4.4.51					-	-	-	
4.4.52					-	-	-	
4.4.53					-	-	-	
4.4.54					-	-	-	
4.4.55					-	-	-	
4.4.56					-	-	-	
4.4.57					-	-	-	
4.4.58					-	-	-	
4.4.59					-	-	-	
4.4.60					-	-	-	
4.4.61					-	-	-	
4.4.62					-	-	-	
4.4.63					-	-	-	
4.4.64					-	-	-	
4.4.65					-	-	-	
4.4.66					-	-	-	
4.4.67					-	-	-	
4.4.68					-	-	-	
4.4.69					-	-	-	
4.4.70					-	-	-	
4.4.71					-	-	-	
4.4.72					-	-	-	
4.4.73					-	-	-	
4.4.74					-	-	-	
4.4.75					-	-	-	
4.4.76					-	-	-	
4.4.77					-	-	-	
4.4.78					-	-	-	
4.4.79					-	-	-	
4.4.80					-	-	-	
4.4.81					-	-	-	
4.4.82					-	-	-	
4.4.83					-	-	-	
4.4.84					-	-	-	
4.4.85					-	-	-	
4.4.86					-	-	-	
4.4.87					-	-	-	
4.4.88					-	-	-	
4.4.89					-	-	-	
4.4.90					-	-	-	
4.4.91					-	-	-	
4.4.92					-	-	-	
4.4.93					-	-	-	
4.4.94					-	-	-	
4.4.95					-	-	-	
4.4.96					-	-	-	
4.4.97					-	-	-	
4.4.98					-	-	-	
4.4.99					-	-	-	
4.4.100					-	-	-	

Principle 5 Collateral		Frequency		Clearing Service			Comments
Ref.No.	Disclosure Description	Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	FX Clearing	
5.1	Assets eligible as initial margin, and the respective haircuts applied						
5.1.1	Assets eligible, and the respective haircuts applied	-	-	<a href="https://www.tfx.co.jp/en/rules/pdf/y-10.pdf">https://www.tfx.co.jp/en/rules/pdf/y-10.pdf</a> <a href="https://www.tfx.co.jp/en/rules/pdf/y-013.pdf">https://www.tfx.co.jp/en/rules/pdf/y-013.pdf</a>			(5.1.1)(5.2.1)10 years is the sample period for calculating haircut ratio since the disclosure document of 1Q 2018.
5.2	Assets Eligible for pre-funded participant contributions to the default resources, and the respective haircuts applied (if different from 5.1)						
5.2.1	Pre-funded participant contributions to the default resources	-	-	<a href="https://www.tfx.co.jp/en/rules/pdf/k-03.pdf">https://www.tfx.co.jp/en/rules/pdf/k-03.pdf</a>			
5.3	Results of testing of haircuts						
5.3.1	Confidence interval targeted through the calculation of haircut	2021/10/1	2021/12/31	100.00%	100.00%	100.00%	
5.3.2	Assumed holding/liquidation period for the assets accepted			4days	4days	4days	
5.3.3	Look-back period used for testing the haircuts			1year	1year	1year	
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			0day	0day	0day	

(Unit : Millions of yen)

Principle 6 Margin				Frequency		Clearing Service			Comments
Ref.No.	Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts		FX Clearing	
						FX	Equity Index		
6.1	For each clearing service, total initial margin required, split by house and client								
6.1.1	Total initial margin required	House Net	2021/12/31	2021/12/31	9	19,608	4,183	628	(6.1.1)"Total initial margin required" of TFX_FX and TFX_CFD and FX Clearing includes the amount of variation margin.
		Client Gross			-	45,807	5,804	-	
		Client Net			51	-	-	-	
		Total			59	65,415	9,987	628	
6.2	For each clearing service, total initial margin held, split by house and client								
6.2.1	Cash deposited at a central bank issue of the currency concerned	House	Pre Haircut	2021/12/31	2021/12/31	-	-	-	(6.1.1~6.2.15)Initial margin deposit for TFX_FX and TFX_CFD is deposited only by JPY cash.
		House	Post Haircut			-	-	-	
		Client	Pre Haircut			-	-	-	
		Client	Post Haircut			-	-	-	
		Total	Pre Haircut			-	-	-	
		Total	Post Haircut			-	-	-	
6.2.2	Cash deposited at other central banks	House	Pre Haircut	2021/12/31	2021/12/31	-	-	-	(6.2.3)"Secured cash deposited at commercial bank" refers to the cash deposited at ordinary deposit account or fixed deposit account in commercial bank, and it does not incur any loss at the maturity.
		House	Post Haircut			-	-	-	
		Client	Pre Haircut			-	-	-	
		Client	Post Haircut			-	-	-	
		Total	Pre Haircut			-	-	-	
		Total	Post Haircut			-	-	-	
6.2.3	Secured cash deposited at commercial bank	House	Pre Haircut	2021/12/31	2021/12/31	5,112	114,770	30,271	5,110
		House	Post Haircut			5,112	114,770	30,271	5,110
		Client	Pre Haircut			1,504	278,722	55,661	-
		Client	Post Haircut			1,504	278,722	55,661	-
		Total	Pre Haircut			6,616	393,492	85,932	5,110
		Total	Post Haircut			6,616	393,492	85,932	5,110
6.2.4	Unsecured cash deposited at commercial banks	House	Pre Haircut	2021/12/31	2021/12/31	-	-	-	
		House	Post Haircut			-	-	-	
		Client	Pre Haircut			-	-	-	
		Client	Post Haircut			-	-	-	
		Total	Pre Haircut			-	-	-	
		Total	Post Haircut			-	-	-	
6.2.5	Sovereign government bonds - domestic	House	Pre Haircut	2021/12/31	2021/12/31	7,022	-	-	
		House	Post Haircut			6,855	-	-	
		Client	Pre Haircut			1,299	-	-	
		Client	Post Haircut			1,273	-	-	
		Total	Pre Haircut			8,320	-	-	
		Total	Post Haircut			8,128	-	-	
6.2.6	Sovereign government bonds - other	House	Pre Haircut	2021/12/31	2021/12/31	-	-	-	
		House	Post Haircut			-	-	-	
		Client	Pre Haircut			-	-	-	
		Client	Post Haircut			-	-	-	
		Total	Pre Haircut			-	-	-	
		Total	Post Haircut			-	-	-	
6.2.7	Agency bonds	House	Pre Haircut	2021/12/31	2021/12/31	-	-	-	
		House	Post Haircut			-	-	-	
		Client	Pre Haircut			-	-	-	
		Client	Post Haircut			-	-	-	
		Total	Pre Haircut			-	-	-	
		Total	Post Haircut			-	-	-	
6.2.8	State/municipal bonds	House	Pre Haircut	2021/12/31	2021/12/31	-	-	-	
		House	Post Haircut			-	-	-	
		Client	Pre Haircut			-	-	-	
		Client	Post Haircut			-	-	-	
		Total	Pre Haircut			-	-	-	
		Total	Post Haircut			-	-	-	
6.2.9	Corporate bonds	House	Pre Haircut	2021/12/31	2021/12/31	-	-	-	
		House	Post Haircut			-	-	-	
		Client	Pre Haircut			-	-	-	
		Client	Post Haircut			-	-	-	
		Total	Pre Haircut			-	-	-	
		Total	Post Haircut			-	-	-	
6.2.10	Equities	House	Pre Haircut	2021/12/31	2021/12/31	10,381	-	-	
		House	Post Haircut			7,263	-	-	
		Client	Pre Haircut			469	-	-	
		Client	Post Haircut			328	-	-	
		Total	Pre Haircut			10,850	-	-	
		Total	Post Haircut			7,592	-	-	
6.2.11	Commodities - Gold	House	Pre Haircut	2021/12/31	2021/12/31	-	-	-	
		House	Post Haircut			-	-	-	
		Client	Pre Haircut			-	-	-	
		Client	Post Haircut			-	-	-	
		Total	Pre Haircut			-	-	-	
		Total	Post Haircut			-	-	-	
6.2.12	Commodities - Other	House	Pre Haircut	2021/12/31	2021/12/31	-	-	-	
		House	Post Haircut			-	-	-	
		Client	Pre Haircut			-	-	-	
		Client	Post Haircut			-	-	-	
		Total	Pre Haircut			-	-	-	
		Total	Post Haircut			-	-	-	

6.2.13	Mutual funds / UCIT s	House	Pre Haircut								
		House	Post Haircut								
		Client	Pre Haircut								
		Client	Post Haircut								
		Total	Pre Haircut								
		Total	Post Haircut								
6.2.14	Other	House	Pre Haircut							0	
		House	Post Haircut							0	
		Client	Pre Haircut								
		Client	Post Haircut								
		Total	Pre Haircut								0
		Total	Post Haircut								0
6.2.15	Total	House	Pre Haircut			22,515	114,770	30,271		5,110	
		House	Post Haircut			19,231	114,770	30,271		5,110	
		Client	Pre Haircut			3,272	278,722	55,661		-	
		Client	Post Haircut			3,105	278,722	55,661		-	
		Total	Pre Haircut			25,786	393,492	85,932		5,110	
		Total	Post Haircut			22,336	393,492	85,932		5,110	
6.3	For each clearing service, total initial margin held, split by house and client										
6.3.1	Initial margin rates on individual contracts where the CCP sets such rates	Interest Rate Futures Contracts		-	-	https://www.tfx.co.jp/en/historical/futures/spparam.html					
		FX Daily Futures Contracts	Individual Customers			https://www.click365.jp/en/start/start06_02.html					
			Non-individual Customers and Market Makers			https://www.click365.jp/en/start/start06.html					
		Equity Index Daily Futures Contracts				https://www.clickkabu365.jp/en/start/start05.html					
		FX Clearing				https://www.tfx.co.jp/t-clearfx/data.php					
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										
6.4.1	Type of IM model	Interest Rate Futures Contracts		-	-	SPAN@ method				(6.4.1)For Transactions by Individual Customers of FX Daily Futures contracts, TFX determines the Margin Reference Amount based on the maximum leverage ratio of 25 times as prescribed in the relevant laws and regulations.  (*1)For Transactions by Individual Customers of FX Daily Futures contracts, TFX determines the Margin Reference Amount based on the maximum leverage ratio of 25 times as prescribed in the relevant laws and regulations.  TFX has confirmed that the ratio fully covers confidence level of 99% or more in price movement data used in stress test with respect to at least three major currency pairs (USD/JPY, EUR/JPY, AUD/JPY).  (*2)Since TFX adopted the Financial Resources Framework in July 2015, those parameters are reviewed once a year as part of the validation of overall risk management framework.  (*3)Non-individual Customers and Market Makers  (*4)In May 2022, the method to calculate Equity Index Margin Reference Amount will be changed to apply the larger value obtained based on the sample period of 8 weeks and 104 weeks.	
		FX Daily Futures Contracts	Individual Customers			Fixed leverage ratio(x25) method					
			Non-individual Customers			Historical volatility method					
			Market Makers			Historical volatility method with the limit of maximum leverage ratio(x25)					
		Equity Index Daily Futures Contracts	Customers			Historical volatility method with the limit of maximum leverage ratio					
Market Makers				Historical volatility method with the limit of maximum leverage ratio(x10)							
FX Clearing				Emerging-Market Currencies : Historical volatility method with the limit of maximum leverage ratio(x25) Other Currencies : Historical volatility method							
6.4.2	Type of IM model change effective date	Trading Member	Private/Customers Market Makers			1996/4/8	2017/2/27	2018/2/19	2021/5/17		
6.4.3	IM model name					SPAN@					
6.4.4	IM model name change effective date										
6.4.5	Single-tailed confidence level targeted	Individual Customers				99.00%	(*1)	99.00%		99.00%	
		Non-individual Customers									
		Market Makers									
6.4.6	Single-tailed confidence level change effective date					(*2)	(*2)	(*2)	(*2)		
6.4.7	Sample/data look-back period for calibrating the model					6months	8weeks or 104weeks(*3)	24weeks(*4)	8weeks or 104weeks		
6.4.8	Look back period change effective date					(*2)	(*2)	(*2)	(*2)		
6.4.9	Adjustments or scalars or weighting, if any, applied to historical data										
6.4.10	Adjustments change effective date					(*2)	(*2)	(*2)	(*2)		
6.4.11	Close-out/holding periods					1day	1day	1day	1day		
6.4.12	Close-out/holding periods effective date					(*2)	(*2)	(*2)	(*2)		
6.4.13	IM rates link	Interest Rate Futures Contracts				https://www.tfx.co.jp/en/historical/futures/spparam.html					
		FX Daily Futures Contracts	Individual Customers			https://www.click365.jp/en/start/start06_02.html					
			Non-individual Customers and Market Makers			https://www.click365.jp/en/start/start06.html					
		Equity Index Daily Futures Contracts				https://www.clickkabu365.jp/en/start/start05.html					
		FX Clearing				https://www.tfx.co.jp/t-clearfx/data.php					
6.4.14	Frequency of parameter reviews					monthly	weekly	weekly	weekly		
6.4.15	Frequency of parameter reviews change effective date					(*2)	(*2)	(*2)	(*2)		
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										
6.5.1.1	Number of times over the past 12 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	2021/1/1	2021/12/31			0	6	45	1	(Note)(6.5.4)Peak that margin coverage held against a clearing member fell below the actual marked-to-market exposure of that member account - based on daily back-testing results.	
6.5.1.2	Frequency of daily back-testing result measurements					daily	daily	daily	daily		
6.5.1.3	Time of daily back-testing result if measured once a day					17:00:00	6:00:00	6:00:00	10:00:00		
6.5.2	Number of observations					2,935	6,034	4,278	628	(Note)(6.5.5)Average that margin coverage held against a clearing member fell below the actual marked-to-market exposure of that member account - based on daily back-testing results.	
6.5.3	Achieved coverage level					100.00%	99.90%	98.95%	99.84%		
6.5.4	Where breaches of initial margin coverage have occurred, report on size of uncovered exposure;		Peak			0	182	1,040	0		
6.5.5	Where breaches of initial margin coverage have occurred, report on size of uncovered exposure;		Average			0	44	113	0		
6.6	Average Total Variation Margin Paid to the CCP by participants each business										
6.6.1	Average Total Variation Margin Paid to the CCP by participants each business	2021/10/1	2021/12/31			2	1,383	1,028	49		
6.7	Maximum total variation margin paid to the CCP on any given business day over the period										
6.7.1	Maximum total variation margin paid to the CCP on any given business day over the period	2021/10/1	2021/12/31			14	5,874	8,107	327		
6.8	Maximum aggregate initial margin call on any given business day over the period										
6.8.1	Maximum aggregate initial margin call on any given business day over the	2021/10/1	2021/12/31			5	1,036	734	0		

Principle 7 Liquidity Risk		Frequency		Clearing Service			Comments
Ref.No.	Disclosure Description	Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	FX Clearing	
7.1	Liquidity Risk						
7.1.1	State whether the clearing service maintains sufficient liquid resources to 'Cover 1' or 'Cover 2'.	2021/12/31	2021/12/31	4	3	2	(7.1.1)The number of expected defaulting members is defined as one Clearing Member that would potentially cause the largest liquidity risk to TFX and several Clearing Members with the lowest amount of net assets. Interest Rate Futures Contracts : 3members / Daily Futures Contracts : 2members / FX Clearing: 1member.  (7.1.4)"Secured cash deposited at commercial bank" refers to the cash deposited at ordinary deposit account or fixed deposit account in commercial bank, which does not incur any loss at the maturity.  (7.1.7)The liquidity supply facilities are set with several commercial banks designated as the Settlement Banks and TFX can utilize the funds within the same day upon taking procedural steps provided in the applicable agreements.  (7.1.10) TFX has an account at the Bank of Japan for settlement purpose.
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		0	0	0	
7.1.3		(b) Cash deposited at other central banks		0	0	0	
7.1.4		(c) Secured cash deposited at commercial banks (including reverse repo)		0	230,372	0	
7.1.5		(d) Unsecured cash deposited at commercial banks		0	0	0	
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		0	0	0	
7.1.7		(f) unsecured committed lines of credit (ie which the CCP may draw without providing collateral/security)		14,500	0	14,500	
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 conditions		0	0	0	
7.1.9		(h) other		0	0	0	
7.1.10		State whether the CCP has routine access to central bank liquidity or facilities			None.		
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.			<a href="https://www.tfx.co.jp/en/rules/pdf/a1a08_en.pdf">https://www.tfx.co.jp/en/rules/pdf/a1a08_en.pdf</a>			
7.2	Size and composition of any supplementary liquidity risk resources for each clearing service above those qualifying liquid resources above.						
7.2.1	Size and composition of any supplementary liquidity risk resources for each clearing service above those qualifying liquid resources in 7.1	-	-			4,452	

7.3 Liquidity Risk								
7.3.1	Estimated largest same-day and, where relevant, intraday and multiday payment obligation ("ELPO") in total that would be caused by the default of any single participant and its affiliates in extreme but	SameDayPayment_Total	2021/1/1	2021/12/31	406	27,489	1,266	(7.3.1) Display only when aggregate stress loss (in excess of initial margin) has occurred.
		SameDayPayment			406	27,489	1,266	
		IntraDayPayment			-	-	-	
		MultiDayPayment			-	-	-	
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				0	0	0	
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 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 the past twelve months; Peak day	SameDayPayment_Total			19	54,462	327	(7.3.5~7.3.7) TFX does not make a foreign exchange settlement.
		SameDayPayment			19	54,462	327	
		IntraDayPayment			-	-	-	
		MultiDayPayment			-	-	-	
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 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 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 how much; Amount of excess on each day				-	-	-	

Principle 13 Default rules and Procedures			Frequency		Clearing Service			Comments
Ref.No.	Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	FX Clearing	
13.1	Quantitative information related to defaults							
13.1.1	Quantitative information related to defaults	Amount of loss versus amount of initial margin	2021/10/1	2021/12/31	-	-	-	
13.1.2		Amount of other financial resources used to cover			-	-	-	
13.1.3.1		Proportion of client positions closed-out			-	-	-	
13.1.3.2		Proportion of client positions ported			-	-	-	
13.1.4		Appropriate references to other published material related to the defaults			-	-	-	

Principle 14 Segregation and Portability			Frequency		Clearing Service			Comments
Ref.No.	Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	FX Clearing	
14.1	Total Client Positions held as a share of notional values cleared or of the settlement value of securities transactions							
14.1.1	Total Client Positions held in individually segregated accounts		2021/12/31	2021/12/31	0.00%	100.00%	100.00%	
14.1.2	Total Client Positions held in omnibus client-only accounts, other than LSOC accounts				100.00%	0.00%	0.00%	
14.1.3	Total Client Positions held in legally segregated but operationally comingled (LSOC) accounts				0.00%	0.00%	0.00%	
14.1.4	Total Client Positions held in comingled house and client accounts				0.00%	0.00%	0.00%	

(Unit : Millions of yen)

Principle 15 General Business Risk			Frequency		Clearing Service			Comments	
Ref.No.	Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	FX Clearing		
15.1	General business risk								
15.1.1	Value of liquid net assets funded by equity		2020/4/1	2021/3/31			16,908		
15.1.2	Six months of current operating expenses								1,252(*4)
15.2	General business risk; Financial Disclosures								
15.2.1	Total Revenue (Operating revenue)		2020/4/1	2021/3/31			3,761	(*5) Cash collateral is held on the balance sheet. Non-Cash collateral is held off the balance sheet.	
15.2.2	Total Expenditure (Operating expenditure)								3,364
15.2.3	Profits								397
15.2.4	Total Assets								512,125
15.2.5	Total Liabilities								492,217
15.2.6	Explain if collateral posted by clearing participants is held on or off the CCP's								(*5)
15.2.7	Additional items as necessary								-
15.3	General business risk; Income breakdown								
15.3.1	Percentage of total income that comes from fees related to provision of		2020/4/1	2021/3/31			83.34%	(15.3.1) Trading service fees include clearing service fees.	
15.3.2	Percentage of total income that comes from the reinvestment (or rehypothecation) of assets provided by clearing participants								0.98%

(\*4) Six months of current operating expenses after subtracting the following items.  
-The amount of depreciation expense.

(Unit : Millions of yen)

Principle 16 Custody and Investment Risks			Frequency		Clearing Service			Comments
Ref.No.	Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	FX Clearing	
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							
16.1.1	Initial margin		2021/12/31	2021/12/31	6,616	479,424	5,110	
16.1.2	Default fund, received from participants				3,093	10,154	117	
16.2	How total cash received from participants (16.1) is held/deposited/invested, including;							
16.2.1	Percentage of this total participant cash held as cash deposits		2021/12/31	2021/12/31	100.00%	100.00%	100.00%	(16.2.4)"Secured : as cash deposits at commercial banks" refers to the cash deposited at ordinary deposit account or fixed deposit account in commercial bank, which does not incur any loss at the maturity.  (*6) All cash received from participants is deposited at ordinary deposit account in commercial banks.  (16.2.18) Investment is made obeying the management and operation rules for collateral.
16.2.2	Percentage held : as cash deposits at central banks of issue of the currency				0.00%	0.00%	0.00%	
16.2.3	Percentage held : as cash deposits at other central banks				0.00%	0.00%	0.00%	
16.2.4	Percentage held : as cash deposits at commercial banks (Secured, including				100.00%	100.00%	100.00%	
16.2.5	Percentage held : as cash deposits at commercial banks (Unsecured)				0.00%	0.00%	0.00%	
16.2.6	Percentage held : as cash deposits in money market funds				0.00%	0.00%	0.00%	
16.2.7	Percentage held : as cash deposits in other forms				0.00%	0.00%	0.00%	
16.2.8	Percentage split by currency of these cash deposits   Local currency, JPY				100.00%	100.00%	100.00%	
16.2.9	Percentage held as cash deposits				100.00%	100.00%	100.00%	
	Weighted average maturity of these cash deposits and money market funds				(*6)	0.58 years	(*6)	
16.2.10	Percentage of total participant cash invested in securities; Domestic sovereign				-	0.00%	0.00%	
16.2.11	Percentage of total participant cash invested in securities; Other sovereign				-	-	-	
16.2.12	Percentage invested in : agency bonds				-	-	-	
16.2.13	Percentage invested in : state/municipal bonds				-	-	-	
16.2.14	Percentage invested in : other instruments				-	-	-	
16.2.15	Percentage split by currency of these securities		-	0.00%	0.00%			

16.2.16	Weighted average maturity of these securities				-	-	-	
16.2.17	Estimate of the risk on the investment portfolio				-	-	-	
16.2.18	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				-	-	-	
16.2.19	Number of times over the previous quarter in which this limit has been				-	-	-	
16.2.20	Percentage of total participant cash held as securities				0.00%	0.00%	0.00%	
16.3	Rehypothecation of participant assets (ie non-cash)							
16.3.1	Total value of participant non-cash rehypothecated	Initial margin	2021/12/31	2021/12/31	-	-	-	(16.3) Participant assets are not rehypothecated by TFX.
16.3.2	Total value of participant non-cash rehypothecated	Default fund			-	-	-	
16.3.3	Maturities	Initial margin			-	-	-	
16.3.4	Maturities	Default fund			-	-	-	



Principle 17 Operational Risk				Frequency		Clearing Service			Comments
Ref.No.	Disclosure Description			Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	FX Clearing	
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)								
17.1.1	Operational availability target for the core systems involved in clearing over specified period for the system			-	-	100.00%	100.00%	99.95%	
17.2	Actual availability of the core system(s) over the previous twelve month period								
17.2.1	Actual availability of the core system(s) over the previous twelve month period			2021/1/1	2021/12/31	100.00%	100.00%	100.00%	
17.3	Total number of failures								
17.3.1	Total number of failures and duration affecting the core system(s) involved in clearing over the previous twelve month period			2021/1/1	2021/12/31	0	0	0	
17.4	Recovery time objective(s)								
17.4.1	Recovery time objective(s) (e.g. within two hours)			-	-	2hours	2hours	2hours	

Principle 18 Access and Participation Requirements				Frequency		Clearing Service			Comments
Ref.No.	Disclosure Description			Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	FX Clearing	
18.1	Number of clearing members, by clearing service								
18.1.1.1	Number of General clearing members			2021/12/31	2021/12/31	28	0	0	
18.1.1.2	Number of Direct clearing members					1	27	5	
18.1.1.3	Number of Others category					0	0	0	
18.1.2.1	Number of Central bank participants					0	0	0	
18.1.2.2	Number of CCP participants					0	0	0	
18.1.2.3	Number of Bank participants					12	4	2	
18.1.2.4	Number of Other participants					17	23	3	
18.1.3.1	Number of Domestic participants					28	25	3	
18.1.3.2	Number of Foreign participants					1	2	2	
18.2	Open Position Concentration								
18.2.1	Fewer than 25 members	Largest 5 members	Peak	2021/10/1	2021/12/31	-	-	100.00%	
			Average			-	-	100.00%	
18.2.2	25 or more members	Largest 5 members	Peak	2021/10/1	2021/12/31	88.86%	67.27%	-	
			Average			78.98%	65.20%	-	
18.2.3	25 or more members	Largest 10 members	Peak	2021/10/1	2021/12/31	100.00%	82.19%	-	
			Average			99.84%	81.03%	-	
18.3	Initial Margin Concentration								
18.3.1	Fewer than 25 members	Largest 5 members	Peak	2021/10/1	2021/12/31	-	-	100.00%	
			Average			-	-	100.00%	
18.3.2	25 or more members	Largest 5 members	Peak	2021/10/1	2021/12/31	67.16%	79.37%	-	
			Average			66.58%	78.84%	-	
18.3.3	25 or more members	Largest 10 members	Peak	2021/10/1	2021/12/31	90.51%	90.22%	-	
			Average			90.27%	89.69%	-	
18.4	Segregated Default Fund Concentration								
18.4.1	Fewer than 25 members	Largest 5 members	Quarter end	2021/12/31	2021/12/31	-	-	100.00%	
18.4.2	25 or more members	Largest 5 members	Quarter end			17.24%	60.40%	-	
18.4.3	25 or more members	Largest 10 members	Quarter end			34.48%	78.58%	-	

Principle 19 Tiered Participation Arrangements				Frequency		Clearing Service			Comments
Ref.No.	Disclosure Description			Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	FX Clearing	
19.1	Tiered participation arrangements, measures of concentration of client clearing								
19.1.1	Number of clients (accounts)			2021/10/1	2021/12/31	-	1,581,837	-	
19.1.2	Number of direct members that clear for clients					29	21	-	
19.1.3.1	Percent of client transactions	Attributable to the top five clearing members	Peak			100.00%	85.46%	-	
19.1.3.2			Average			99.87%	76.90%	-	
19.1.4.1	Percent of client transactions	Attributable to the top ten clearing members	Peak			100.00%	94.08%	-	
19.1.4.2			Average			100.00%	89.96%	-	

(Unit : Millions of yen)

Principle 23 Disclosure of Rules, Key Procedures, and Market Data				Frequency		Clearing Service			Comments	
Ref.No.	Disclosure Description			Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts			FX Clearing
							FX	Equity Index		
23.1	Disclosure of rules, key procedures, and market data; Average Daily Volumes									
23.1.1	Average daily volumes			2021/10/1	2021/12/31	104lots	120,703lots	166,894lots	267,344lots	
23.1.2	Average notional value of trades cleared					10,424	91,136	159,809	6,914	
23.2	Segregated Default Fund Concentration									
23.2.1	Gross notional outstanding/total settlement value of novated but not-yet settled securities transactions			2021/12/31	2021/12/31	608,315	974,657	240,950	17,392	
23.2.2	Asset class					Interest Rate	FX	Equity Index	FX	
23.2.3	Product type					Futures/Option	Forex	CFD	Forex	
23.2.4	Product code					Bloomberg	YEA	JNUSCFD	TFXJNKY	-
						Reuters	0#JEY	0#TFXFX	TFX/CFD/INDEX	-
23.3	Disclosure of rules, key procedures, and market data; Execution Facility									
23.3.1	Average daily volumes submitted by Execution facility or matching/confirmation venue			2021/10/1	2021/12/31	104lots	120,703lots	166,894lots	267,344lots	
23.3.2	Notional contract values submitted by Execution facility or matching/confirmation venue					10,424	91,136	159,809	6,914	