Date of Disclosure: 29 Nov.16 Tokyo Finacial Exchange

# Financial Market Infrastructure: Quantitative Disclosure

Principle 4 Credit Risk (Unit : Millions of yen)

Frinciple 4		Disclo	sure		Frequ	iency		Clearing Service	1	(Office: Phillions of year)
Ref.No.		Disclos	ure Description		Start Date	End Date	Interest Rate Futures Contracts	Exchange Forex Margin Contracts	Exchange Equity Index Margin	Comments
4.1.1	Total value	Own Capital	Before		2016/9/30	2016/9/30	1,000		94	
	of default						_,,,,,	_,		
4.1.2	resources (excluding		Alongside				0	1,631	306	
4.1.3	initial and		After				0	0	0	
4.1.4	retained variation	Participant contributions	Required				2,236	21,842	381	
4.1.5	margin) - Prefunded		Posted	Post-Haircut	-		6,486	25,146	1,002	
4.1.6		Other					0	0	0	
4.1.7	Total value of default resources	Own/parent funds	Round of participant defaults		2016/9/30	2016/9/30	0	0	0	
4.1.8	(excluding initial and	Participant commitments	Initial round of participant default				0	22,724	1,252	
4.1.9	retained variation		Replenish the default fund				unlimited	unlimited	unlimited	
4.1.10	margin) - Committed	Other					0	0	0	
4.2.1	KCCP	BCBS 282			2016/9/30	2016/9/30	42	0	0	
4.3.1	Value of pre-funded	Cash	Cash deposited at a central bank of issue	Pre-Haircut	2016/9/30	2016/9/30	-	-	-	(4.3.3)"Secured cash deposited at commercial banks" refers to the cash
	default		of the currency	Post-Haircut			-	-	-	deposited at ordinary deposit account or
	resources		concerned							fixed deposit account in commercial bank,
4.3.2	excluding		Cash deposited at	Pre-Haircut	1		-	-	-	which does not incur any loss at the
	initial and retained		other central banks	Post-Haircut			-	-	-	maturity.
4.3.3	variation		Secured cash	Pre-Haircut			3,031	21,859	1,205	
	margin)		deposited at commercial banks	Post-Haircut	_		3,031	21,859	1,205	
4.3.4			Unsecured cash	Pre-Haircut	-		0	0	0	
			deposited at commercial banks	Post-Haircut	-		0	0	0	
4.3.5		Non-cash	Sovereign	Pre-Haircut			2,241	6,422	80	
				Post-Haircut			2,206	6,352	80	
4.3.6			Sovereign	Pre-Haircut	_		0	0	0	
4.3.7			Government Bonds - Agency Bonds	Post-Haircut Pre-Haircut			0	0	0	
4.5.7			Agency bonds	Post-Haircut	1		0		0	
4.3.8	_		State/municipal	Pre-Haircut	1		0	0	0	
			bonds	Post-Haircut			0	0	0	
4.3.9			Corporate bonds	Pre-Haircut			0	0	0	
				Post-Haircut	_		0	0	0	
4.3.10			Equities	Pre-Haircut	4		3,215	194	168	
4.2.44			Common dition. Cold	Post-Haircut	_		2,249	135	117	
4.3.11			Commodities - Gold	Pre-Haircut Post-Haircut	+		-	-	-	
4.3.12			Commodities - Other		-					
			January Carles	Post-Haircut	1		_	-	-	
4.3.13			Commodities -	Pre-Haircut	1		-	-	-	
			Mutual Funds/UCITs	Post-Haircut				-	-	
4.3.14			Commodities - Other				-	-	-	
				Post-Haircut	_		-	-	-	
4.3.15			In total	Pre-Haircut	-		8,487	28,475	1,453	
				Post-Haircut			7,486	28,346	1,402	

4.4.1		Whether the CCP is subject to a minimum "Correquirement in reragtion to total pre-funded or		2015/10/1	2016/9/30	4	3	2	(4.4.1)The number of expected defaulting members is defined as one Clearing
4.4.2		The number of business days within which the will close out default when calculating credit e would potentially need to be covered by the cov	exposures that			1day	1day		Member that would potentionally cause the largest risk to TFX and several Clearing Members with the lowest amount of net assets.
4.4.3			Peak day amount in previous 12 months			3,300		·	Interest Rate Futures Contracts : 3members / Exchange Forex Margin Contracts : 2members / Exchange Equity
		participant and its affiliates (including transactions cleared for indirect participants) in extreme but plausible market conditions	Average over previous 12 months			2,136	19,330	2,379	Index Margin Contracts: 1member  (4.4.3~4.4.6, 4.4.7~4.4.10)The estimated
4.4.4		The number of business days, if any, on which the above amount (4.4.3) exceeded actual pre-funded default resources	No. of days			5day	8days	0day	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
4.4.5		The amount in 4.4.3 which exceeded actual		-		320	5,502	-	
		pre-funded default resources				256	3,171	-	$(4.4.4\sim4.4.5)$ With regard to Exchange
						70	,	-	Forex Margin Contracts and Exchange
						49	2,582	-	Equity Index Margin Contracts, TFX has
						12	2,574	-	adopted the Financial Resources
							1,563	-	Framework, where at least 60% of the ELL
							1,502 698	-	should be prepared by the actual prefunded
							098	_	default resources for the first year. 4.4.4
							_	_	and 4.4.5 shows the number of business
						-	-	_	days, if any, on which the 60% of the ELL
						_	-	-	exceed the actual prefunded default
						-	-	-	resources and the exceeded amounts.
						-	-	-	TFX will raise the ratio of the prefunded
						-	-	-	default resources up to 100% within five
						-	-	-	years.
						-	-	-	
4.4.6		The actual largest aggregate credit exposure	Peak day amount			388	19,032	496	
		to any single participant and its affiliates	in previous 12	-					
			Average over			2	73	3	
4.4.7	_	The estimated largest aggregate stress less	previous 12						
4.4.7		(in excess of initial margin) that would be caused by the default of any two participants	Peak day amount in previous 12 months			-	-	-	
		and their armates (including transactions	Average over previous 12 months			-	-	-	
4.4.8		The number of business days, if any, on which the above amount (4.4.3) exceeded actual pre-funded default resources	No. of days			-	-	-	
4.4.9		The amount in 4.4.3 which exceeded actual	The top five				_	_	
		pre-funded default resources	amount					_	1
1		pre-runded default resources	amount			-	-	_	
						-	-	-	
						-	-	-	1
4.4.10		The actual largest aggregate credit exposure	Peak day amount	1		-	-	-	
			in previous 12						
			months						
			Average over			-	-	-	
			previous 12						
			months	1			ĺ	ĺ	

Principle 5 Collateral

		Disclosu	ire	Frequ	iency		Clearing Service		
Ref.No.		Disclosu	re Description	Start Date	End Date	Interest Rate Futures	Exchange Forex Margin	Exchange Equity Index	Comments
						Contracts	Contracts	Margin	
5.1.1	Collateral	Assets eligible, and the	Initial margin	-	-	http://www.tfx.c	co.jp/en/rules/do	cument/a1a09_	
		respective haircuts				en.pdf			
5.2.1		applied	Pre-funded participant contributions to			http://www.tfx.c	co.jp/en/rules/do	cument/a7a02_	
			the default resources			en.pdf			
5.3.1		Results of testing of	Confidedce interval targeted through the	2016/7/1	2016/9/30	100%	100%	100%	
		haircuts	calculation of haircut						
5.3.2			Assumed holding/liquidation period for			4days	4days	4days	
			the assets accepted						
5.3.3			Look-back period used for testing the			1year	1year	1year	
			haircuts						
5.3.4			The number of days during the look-			0day	0day	0day	
			back period on which the fall in value						
			during the assumed holding/liquidation						
			period exceeded the haircut on an asset						

Principle 6 Margin (Unit : Millions of yen)

rinciple 6	- · · · · · · · · · · · · · · · · · · ·	Disclosu	ure		Frequ	uency		Clearing Service	1	(Unit : Millions of yen
Ref.No.		Disclosu	re Description		Start Date	End Date	Interest Rate Futures	Forex Margin	Exchange Equity Index	Comments
6.1.1	Total initial	Total initial margin requ	uired	House Net	2016/9/30	2016/9/30	Contracts 998	Contracts 10,354	<b>Margin</b> 1,999	(6.1.1)"Total initial margin required" of
	margin			Client Gross			-	55,149		TFX_FX and TFX_CFD includes the amount
	required			Client Net			2,780		-	of variation margin.
6.2.1	Total initial	Cash deposited at a	Hausa	Total	-		3,777	65,502	5,047	1
5.2.1	margin	Cash deposited at a central bank issue of	House House	Pre Haircut Post Haircut			-	_	-	$(6.1.1\sim6.2.15)$ Initial margin deposit for
		the currency concerned	CI: I	Pre Haircut	1		-	-	-	TFX_FX and TFX_CFD is deposited only by
			Client	Post Haircut			-	-	-	JPY cash.
			Total	Pre Haircut			-	_	-	(6.2.3)"Secured cash deposited at
5.2.2		Cash deposited at	Total House	Post Haircut Pre Haircut	+		-		-	commercial bank" refers to the cash
7.2.2		other central banks	House	Post Haircut	1		-	_	-	deposited at ordinary deposit account or
			Client	Pre Haircut			-	-	-	fixed deposit account in commercial bank,
			Client	Post Haircut			-	_	-	and it does not incur any loss at the
			Total Total	Pre Haircut Post Haircut	-		-	-		maturity.
5.2.3		Secured cash	House	Pre Haircut	-		3,614	114,293	16,554	
		deposited at	House	Post Haircut	1		3,614		16,554	
		commercial bank	Client	Pre Haircut			5,085		35,897	
			Client	Post Haircut			5,085		35,897	
			Total Total	Pre Haircut Post Haircut	-		8,698 8,698		52,452 52,452	
5.2.4		Unsecured cash	House	Pre Haircut	1			- 373,330	- 52,452	
		deposited at	House	Post Haircut			-	_	-	
		commercial banks	Client	Pre Haircut			-	-	-	
			Client	Pro Haircut	-		-	-	-	
			Total Total	Pre Haircut Post Haircut	1		-		-	1
5.2.5	Total initial	Sovereign government		Pre Haircut	1		11,793	-	-	1
	margin	bonds - domestic	House	Post Haircut	]		11,614	_		]
	held - Non-		Client	Pre Haircut	1		2,504		-	
	cash		Client Total	Post Haircut Pre Haircut	-		2,458 14,297		-	
			Total	Post Haircut	-		14,297	_		
5.2.6		Sovereign government		Pre Haircut	1		0	-	-	
		bonds - other	House	Post Haircut			0		-	
			Client	Pre Haircut			0		-	
			Client Total	Post Haircut	-		0		-	
			Total	Pre Haircut Post Haircut	1		0			
5.2.7		Agency bonds	House	Pre Haircut			0		-	
			House	Post Haircut			0		-	
			Client	Pre Haircut			0		-	
			Client Total	Post Haircut Pre Haircut			0		<u>-</u>	
			Total	Post Haircut	1		0		-	
6.2.8		State/municipal bonds	House	Pre Haircut			0		-	
			House	Post Haircut			0		-	
			Client Client	Pre Haircut Post Haircut	-		0		-	
			Total	Pre Haircut			0			
			Total	Post Haircut			0		-	
6.2.9		Corporate bonds	House	Pre Haircut			0		-	
			House	Post Haircut	_		0		-	
			Client Client	Pre Haircut Post Haircut	-		0		-	
			Total	Pre Haircut	1		0		-	
			Total	Post Haircut	]		0		-	
6.2.10		Equities	House	Pre Haircut			17,450			
			House Client	Post Haircut Pre Haircut	-		12,206 414		<u>-</u>	
			Client	Post Haircut			290			
			Total	Pre Haircut	1		17,864		-	
			Total	Post Haircut	_		12,495		-	
6.2.11		Commodities - Gold	House	Pre Haircut	-		-	-	-	
			House Client	Post Haircut Pre Haircut	1		-	-	-	1
			Client	Post Haircut	1		-	-	-	1
			Total	Pre Haircut	]		-	-	_	]
	1	Common IIII	Total	Post Haircut	1		-	-	-	
5.2.12		Commodities - Other	House	Pre Haircut	-		-	-	-	
			House Client	Post Haircut Pre Haircut	1		-	<del>                                     </del>	-	1
			Client	Post Haircut	1		-	-		1
			Total	Pre Haircut	]		-	-	-	]
	1	Marka-16 1 (116-	Total	Post Haircut	1		-	-	-	
5.2.13		Mutual funds / UCIT s	House	Pre Haircut Post Haircut	-		-	-		1
			House Client	Pre Haircut	1		-	-		1
			Client	Post Haircut	]					]
			Total	Pre Haircut	_		-	-	-	
	4	Othor	Total	Post Haircut	-		-	-	-	-
5.2.14		Other	House House	Pre Haircut Post Haircut	-		-	-	-	1
			Client	Pre Haircut	1		-	-	-	1
			Client	Post Haircut	]					]
			Total	Pre Haircut	_		-	-	-	
2 1 5	Tat-Links 1	Total	Total	Post Haircut	-		20.05-	-	-	
6.2.15		Total	House House	Pre Haircut Post Haircut	-		32,857 27,433	,	16,554 16,554	<del>-</del>
	margin held		Client	Pre Haircut	†		8,002		35,897	
	riciu		Client	Post Haircut	]		7,832	259,245	35,897	
			Total	Pre Haircut			40,859	373,538	52,452	
	1	İ	Total	Post Haircut			35,265	373,538	52,452	

-	T		T			T	1		
6.3.1	Initial	Initial margin rates on individual contracts		- I	-	http://www.tfx.			
	margin	where the CCP sets such rates		1		co.jp/cgi-	k365.jp/en/ti00	in Japanese)	
	rates			1		bin/param_e.cg	6.shtml	http://www.clic	
				1		;			
				1		ı	_	k365.jp/cfd/ser	
				1			k365.jp/en/ti00	vice/margin.sht	
				1			6_02.shtml	ml	
C 1 1	To this I	Town of TM was del	+	2016/0/20	2016/0/20	CDANGtht	Fired Income	110-601	(C. 4.1) For Transportions by Todicides
6.4.1	Initial	Type of IM model		2016/9/30	2016/9/30	SPAN® method	Fixed leverage		(6.4.1)For Transactions by Individual
	margin			1			ratio method	volatility	Customers of Exchange FX Margin
	model			1				method	contracts, TFX determines the Margin
				1					Reference Amount based on the maximum
				1					
				1					leverage ratio of 25 times as prescribed in
6.4.2		Type of IM model change effective date	•	1		1996/4/8	2011/8/1	2013/8/5	the relevant laws and regulations.
	-		-	1			2011/6/1	2013/6/3	For Transactions by Trading Members or
6.4.3		IM model name		1		SPAN®	-	-	non-individual customers,TFX determines
6.4.4		IM model name change effective date		1		-	-	-	The state of the s
6.4.5		Single-tailed confidence level targeted		1		99%	(Note)	99%	the Margin Reference Amount under the
6.4.6	-		•	1					TFX rules based on maximum leverage ratio
		Single-tailed confidence level change		1		(Note)	(Note)	(Note)	of 150 times or 25 times depending on
6.4.7		Sample/data look-back period for calibrating		1		6months	Individual	24weeks	currency pairs.
		the model		1			Customers:		currency pairs.
				1			1week		
				1					(Note)(6.4.5)For Transactions by Individual
				I			Non-individual		Customers of Exchange FX Margin
				İ			Customers:		contracts, TFX determines the Margin
				I			4weeks		,
	ĺ			İ					Reference Amount based on the maximum
6.4.8		Look back period change effective date	1	1		(Note)	(Note)	(Note)	leverage ratio of 25 times as prescribed in
6.4.9	•	Adjustments or scalars or weighting, if any,	<u> </u>	İ		(11000)	(Note)	(11016)	the relevant laws and regulations. TFX has
0.4.9				İ		_	]	_	confirmed that the ratio fully covers
		applied to histrical data	-	1			4		· ·
6.4.10		Adjustments change effective date		1		(Note)	(Note)	(,	confidence level of 99% or more in price
6.4.11		Close-out/holding periods		1		1day	1day	1day	movement data used in stress test with
6.4.12		Close-out/holding periods effective date	1	1		(Note)	(Note)	(Note)	respect to at least three major currency
	-			1		http://www.tfx.co.jp		http://www.click365	pairs (USD/JPY, EUR/JPY, AUD/JPY).
6.4.13		IM rates link		1			http://www.clic	in/cfd/service/mar	
				1		<u>/cgi-</u> <u>bin/param e.cgi</u>	k365.jp/en/ti00	gin.shtml	
				1			6.shtml		(Note)(6.4.6, 6.4.8, 6.4.10, 6.4.12, 6.4.15)
				1			http://www.clic		Since TFX adopted the Financial Resources
				1			-		Framework in July 2015, those parameters
				1			k365.jp/en/ti00		
				1			6_02.shtml		are reviewed once a year as part of the
				1					validation of overall risk management
			-	1					framework.
6.4.14		Frequency of parameter reviews		1		monthly	Individual	weekly	Trainie Work!
				1			Customers:		
				1			weekly		
				1			Non-individual		
				1					
				1			Customers :		
				1			monthly		
				1			· ·		
			-	1					
6.4.15		Frequency of parameter reviews change		1		(Note)	(Note)	(Note)	
		effective date		1					
6.5.1.1	Poculto of	Number of times over the past 12 menths	+	2015/10/1	2016/0/20	2	26	A	(Note)(6.5.4)Peak that margin severase
0.5.1.1	Results of	Number of times over the past 12 months		2015/10/1	2016/9/30	2	26	4	(Note)(6.5.4)Peak that margin coverage
	back-	that margin coverage held against any		I					held against a clearing member fell below
	testing of	account fell below the actual marked-to-		İ					the actual marked-to-market exposure of
	initial	market exposure of that member account -		İ					that member account - based on daily
		•		İ					·
	margin	based on daily back-testing results		I					back-testing results.
6.5.1.2	1	Frequency of daily back-testing result		İ		daily	daily	daily	
3.3.1.2	ĺ			İ		daily	daliy	daliy	(Note)(6.5.5)Average that margin coverage
6 5 1 2	-	measurements		I		17.00.00	6,00,00	6,00,00	held against a clearing member fell below
6.5.1.3		Time of daily back-testing result if measured		İ		17:00:00	6:00:00	6:00:00	
	ĺ	once a day		İ					the actual marked-to-market exposure of
6.5.2	1	Number of observations		I		245			that member account - based on daily
6.5.3		Achieved coverage level		İ		99.2%	90.0%		back-testing results.
6.5.4		Where breaches of initial margin coverage	Peak	I		379	14,656	653	
		have occurred, report on size of uncovered		I					
	ĺ	exposure; Peak size		İ					
	ĺ	CAPUSUIE, FEAK SIZE		İ					
655	1	Where breaches of initial marris accounts	Average	I		78	1.026	120	
6.5.5		Where breaches of initial margin coverage	Average	İ		/8	1,036	129	
Ì	ĺ	have occurred, report on size of uncovered		İ					
	ĺ	exposure; Average Size		İ					
				<u>ı                                      </u>	<u></u>				
6.6.1	Total	Average Total Variation Margin Paid to the	Average	2016/7/1	2016/9/30	135	3,519	305	
	Variation	CCP by participants each business		, , – I	, , , , , ,				
6.7.1			Peak	I		1,516	14,764	1,957	
0.7.1	Margin		Lak	İ		1,316	14,704	1,937	
	1	CCP on any given business day over the	1	1	1		1		
6.0.1	1			ļ			205		
6.8.1	-	Maximum aggregate initial margin call on any given business day over the period				111	305	40	

Principle 7 Liquidity Risk (Unit: Millions of yen)

	Liquidity Risk	Disclosu	ıre	Frequ	iency		Clearing Service	:	(Unit : Millions of yen)
						Interest Rate	Exchange	Exchange	C
Ref.No.		Disclosu	re Description	Start Date	End Date	Futures	Forex Margin	Equity Index	Comments
						Contracts	Contracts	Margin	
7.1.1	Liquidity	Liquidity Risk that are	Number of expected	2016/9/30	2016/9/30	4	3	2	(7.1.1)The number of expected defaulting
	Risk	covered by liquid	defaulting members						members is defined as one Clearing
		resources							Member that would potentially cause the
7.1.2		Size and composition	Cash deposited at a			0	0	0	largest risk to TFX and several Clearing
		of qualifying liquid	central bank of issue						Members with the lowest amount of net
		resources for each	of the currency						assets.
		clearing service	concerned						Interest Rate Futures Contracts :
7.1.3			Cash deposited at			0	0	0	3members / Exchange Forex Margin
711.5			other central banks			J		o o	Contracts: 2members / Exchange Equity
7.1.4			Secured cash			0	114,103	32,557	Index Margin Contracts: 1 member.
			deposited at						
			commercial banks						
									(7.1.4)"Secured cash deposited at
7.1.5			Unsecured cash			0	0	0	commercial bank" refers to the cash
			deposited at						deposited at ordinary deposit account or
			commercial banks						fixed deposit account in commercial bank,
7.1.6			Secured committed			0	0	0	which does not incur any loss at the
7.1.0			lines of credit			0		0	maturity.
			including committed						
			foreign exchange						(7.1.7)The liquidity supply facilities are set
			swaps and						with several commercial banks designated
			swaps and						as the Settlement Banks and TFX can utilize
7.1.7			Unsecured			29,000	0	0	the funds within the same day upon taking
			committed lines of						procedural steps provided in the applicable
7.1.8			Highly marketable			0	0	0	agreements.
			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						
7.1.9			conditions other			0	0	0	
7.1.10		State whether the CCP	other			None.	0	0	
		has routine access to							
		central bank liquidity							
		or facilities							
7.1.11		Details regarding the	Any applicable rule,			http://www.tfx.co.jp/	<u>/en/rules/document/a</u>	a1a08 en.pdf	(7.1.10)
		schedule of payments	policy, procedure,						TFX has an account at the Bank of Japan for
		or priority for allocating							settlement purpose.
		payments	arrangement around						
			such decision						
			making						
7.2.1	Supplemen	Size and composition		-	-			6,284	
	tary	of any supplementary						-,-3.	
	liquidity	liquidity risk resources							
	risk	, ,							
	resources								

7.3.1	Liquidity Risk	Estimated largest same-day and, where	SameDayPayment IntraDayPayment	SameDayPayment _Total	2015/10/1	2016/9/30	4,116	56,785	10,622	
	NISK	relevant, intraday and	MultiDayPayment							
			MultiDayFayIffefft	тинараўнаўність_			_	-	-	
		multiday payment		Total						
		obligation ("ELPO") in		maicipayi ayinciic_				_		
		total that would be		Total						
		caused by the default		SameDayPayment			4,116	56,785	10,622	
		of any single		IntraDayPayment			4,110	30,783	10,022	
		participant and its		MultiDayPayment				_	_	
7.3.2		affiliates in extreme	Number of business	rialibayi ayiriciic			0	0	0	
7.5.2		but plausible market	days, if any, on				· ·	Ü	Ü	
		conditions	which the above							
			amount exceeded its							
			qualifying liquid							
			resources							
7.3.3			Number of business				0	0	0	
			days, if any, on							
			which the above							
			amount exceeded its							
			qualifying liquid							
			resources							
7.3.4		Actual largest intraday	and multiday				565	49,396	4,970	
		payment obligation of a		_Total				,	,	
		and its affiliates	3 - 1	Incrabayi ayınıcııc_			_	-	-	
		(Peak day amount)		Total						
		(Note)		такь аут ауттепе_				_	_	
		(Note)		Total						
				SameDayPayment			565	49,396	4,970	
				IntraDayPayment			- 505	+9,590		
				MultiDayPayment			_	-	-	
7.3.5		Estimated largest	SameDayPayment				_	-	-	
		same-day and, where	IntraDayPayment							
		relevant, intraday and	MultiDayPayment							
		multiday payment	rialibayi ayinche							$(7.3.5\sim7.3.7)$ TFX does not make a foreign
7.3.6		obligation in each	Number of business				-	-	-	exchange settlement.
		relevant currency that	days, if any, on							
		would be caused by	which the above							
		· ·	amounts exceeded							
		the default of any	its qualifying liquid							
		single participant and	resources							
		its affiliates								
7.3.7		(Peak day amount in	Report the number				-	-	-	
		previous 3 months)	of business days, if							
			any, on which the							
			above amounts							
			exceeded its			1				
1										I
			qualifying liquid							

Principle 13 Default rules and Procedures

		Disclosure	Frequ	uency		Clearing Service	1	
					Interest Rate	Exchange	Exchange	Comments
Ref.No.		Disclosure Description	Start Date	End Date	Futures	Forex Margin	Equity Index	Comments
					Contracts	Contracts	Margin	
13.1.1	Quantitativ	Quantitative information related to defaults;	2016/7/1	2016/9/30	-	-	-	
	e	Amount of loss versus amount of initial						
13.1.2	information	Quantitative information related to defaults;			-	-	-	
	related to	Amount of other financial resources used to						
	defaults	cover losses						
13.1.3.1	-	Quantitative information related to defaults;			-	-	-	
		Proportion of client positions closed-out						
13.1.3.2		Quantitative information related to defaults;			-	-	-	
	1	Proportion of client positions ported						
13.1.4		Quantitative information related to defaults;			-	-	-	
		Appropriate references to other published						
		material related to the defaults						
		material related to the defaults						

#### Principle 14 Segregation and Portability

		Disclosure		Frequ	uency		Clearing Service		
Ref.No.	f.No. Disclosure Description		Start Date	End Date	Interest Rate Futures	Exchange Forex Margin	Exchange Equity Index	Comments	
						Contracts	Contracts	Margin	
14.1.1	Total Client	Total Client Positions held in individually		2016/9/30	2016/9/30	0%	100%	100%	
	Positions	segregated accounts							
14.1.2		Total Client Positions held in omnibus client-				100%	0%	0%	
		only accounts, other than LSOC accounts							
14.1.3	]	Total Client Positions held in legally				0%	0%	0%	
		segregated but operationally comingled							
		(LSOC) accounts							
14.1.4		Total Client Positions held in comingled				0%	0%	0%	
		house and client accounts							

	1	Disclosure		Frequ	iency		Clearing Service		
Ref.No.		Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Exchange Forex Margin Contracts	Exchange Equity Index Margin	Comments
15.1.1 15.1.2	Financial items	Value of liquid net assets funded by equity  Six months of current operating expenses		2015/4/1	2016/3/31			,	(15.1.2) Six months of current operating expenses after subtracting the following items.  1. The amount of depreciation expence.
15.2.1 15.2.2 15.2.3 15.2.4 15.2.5 15.2.6	- - - - - -	Total Liabilities  Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet				158 559,647 538,379 (Note)	2. The amount of incentive program fees (4,158 million yen). Trading service fees received from Market Maker include the incentive program fees (4,158 million yen to be passed through trading members. Both Total revenue and Total expenditure on the Financial Statements include the incentive program fees.		
15.3.1		Percentage of total income that comes from fees related to provision of clearing services  Percentage of total income that comes from the reinvestment (or rehypothecation) of assets provided by clearing participants		2015/4/1	2016/3/31			87.89%	<ul><li>(Note) (15.2.6) Cash collateral is held on the balance sheet. Non-Cash collateral is held off the balance sheet.</li><li>(15.3.1) Trading service fees include clearing service fees.</li></ul>

		Disclosure		Frequ	iency		Clearing Service		
Ref.No.		Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Exchange Forex Margin Contracts	Exchange Equity Index Margin	Comments
16.1.1	Total cash	Initial margin		2016/9/30	2016/9/30	8,698	373,538	52,452	
16.1.2	received	Default fund, received from participants				2,031	18,659	805	
16.2.1	How the	Percentage of this total participant cash held		2016/9/30	2016/9/30	100%	100%	100%	(16.2.4) "Secured : as cash deposits at
	total cash	as cash deposits							commercial banks" refers to the cash
16.2.2	received	Percentage held: as cash deposits at central				0%	0%	0%	deposited at ordinary deposit account or
	from	banks of issue of the currency deposited							fixed deposit account in commercial bank,
16.2.3	participants	Percentage held: as cash deposits at other				0%	0%	0%	which does not incur any loss at the
	is held /	central banks							maturity.
16.2.4	deposited /	Percentage held: as cash deposits at	Secured (including			100%	100%	100%	
	1	commercial banks	through reverse						(Note) (16.2.9) All cash received from
	invested		repo)						
16.2.5		Percentage held: as cash deposits at	Unsecured			0%	0%	0%	participants is deposited at ordinary deposit
	_	commercial banks							account in commercial banks.
16.2.6		Percentage held: as cash deposits in money				0%	0%	0%	
	_	market funds							(16.2.10 $\sim$ 16.2.20) All cash received from
16.2.7		Percentage held : as cash deposits in other				0%	0%	0%	participants is deposited at commercial
	_	forms							banks, and it's not invested in securities.
16.2.8		Percentage split by currency of these cash	Local currency,			100%	100%	100%	·
	_	deposits	JPY						
16.2.9		Percentage held as cash deposits				100%	100%	100%	
		Weighted average maturity of these cash				(Note)	0.38years	0.39years	
16010	-	deposits and money market funds							
16.2.10		Percentage of this total participant cash	Domestic			-	-	-	
		invested in securities	0.1						
16.2.11		Percentage invested in : sovereign	Other			-	-	-	
		government bonds							
16.2.12	1	Percentage invested in : agency bonds				-	-	-	
16.2.13		Percentage invested in : state/municipal				-	-	-	
16.2.14		Percentage invested in : other instruments				-	-	-	
16.2.15		Percentage split by currency of these				-	-	-	
16.2.16		Weighted average maturity of these				-	-	-	
		securities							
16.2.17		Estimate of the risk on the investment				-	-	1	
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 exceeded							
16.2.20		Percentage of total participant cash held as				0%	0%	0%	
		securities							
16.3.1	Rehypothec	Total value of participant non-cash	Initial margin	2016/9/30	2016/9/30				(16.3) Participant assets are not
	ation of	rehypothecated	-			_	_	-	rehypothecated by TFX.
16.3.2	participant	Total value of participant non-cash	Default fund			-	-	-	,
	assets	rehypothecated							
16.3.3		Maturities	Initial margin			-	-	-	
16.3.4	1	Maturities	Default fund			-	-	-	

Principle 17 Operational Risk

	Disclosure				Frequency		Clearing Service		
						Interest Rate	Exchange	Exchange	Comments
Ref.No.		Disclosure Description		Start Date	End Date	Futures	Forex Margin	<b>Equity Index</b>	Comments
						Contracts	Contracts	Margin	
17.1.1	Operational	Operational availability target for the core		-	-	100%	100%	100%	
	availability	systems involved in clearing over specified							
	target for	period for the system							
17.2.1	the core	Actual availability of the core systems		2015/10/1	2016/9/30	100%	100%	100%	
17.3.1	systems	Total number of failures				0	0	0	
17.4.1		Recovery time objectives		-	-	2hours	2hours	2hours	

#### Principle 18 Access and Participation Requirements

Disclosure			Frequ	iency	Clearing Service		9			
					Interest Rate	Exchange	Exchange	Commonto		
Ref.No.	o. Disclosure Description			Start Date	End Date	Futures	Forex Margin	Equity Index	Comments	
							Contracts	Contracts	Margin	
18.1.1.1	Number of	General clearing member	ers		2016/9/30	2016/9/30	30	0	0	
18.1.1.2	clearing	Direct clearing member	S				0	22	13	
18.1.1.3	members	Others category					0	0	0	
18.1.2.1		Central bank participant	ts				0	0	0	
18.1.2.2		CCP participants					0	0	0	
18.1.2.3		Bank participants					13	4	0	
18.1.2.4		Other participants					17	18	13	
18.1.3.1		Domestic participants					29	20	13	
18.1.3.2		Foreign participants					1	2	0	
18.2.1	Open	Fewer than 25	Largest five	Peak	2016/7/1	2016/9/30	-	80%		
	position	members	members	Average			-	77%	83%	
18.2.2	concentrati	25 or more members	Largest five	Peak			68%	-	-	
	on		members	Average			63%	-	-	
18.2.3			Largest ten	Peak			94%	-	-	
			members	Average			91%	-	-	
18.3.1	Initial	Fewer than 25	Largest five	Peak	2016/7/1	2016/9/30	-	83%		
	margin	members	members	Average			-	82%	75%	
18.3.2	concentrati	25 or more members	Largest five	Peak			60%	-	-	
	on		members	Average			59%	-	-	
18.3.3			Largest ten	Peak			82%	-	-	
			members	Average			80%	-	-	
18.4.1		Fewer than 25	Largest five		2016/9/30	2016/9/30	-	82%	77%	
	default	members	members							
18.4.2	fund	25 or more members	Largest five				32%	-	-	
10.10	concentrati		members							
18.4.3	on		Largest ten				52%	-	-	
			members							

## Principle 19 Tiered Participation Arrangements

Disclosure				Frequency		Clearing Service				
							Interest Rate	Exchange	Exchange	Comments
Ref.No.	ef.No. Disclosure Description					<b>End Date</b>	Futures	Forex Margin	<b>Equity Index</b>	Comments
							Contracts	Contracts	Margin	
19.1.1	Measures	Number of clients (acco	ounts)		2016/7/1	2016/9/30	-	756,010	57,679	
19.1.2	of	Number of direct menbers that clear for					30	17	12	
	concentrati	clients								
19.1.3.1	on of client	Percent of client	Attributable to the	Peak			98%	86%	92%	
19.1.3.2	clearing	transactions	top five clearing	Average			87%	79%	85%	
19.1.4.1	cicaring		Attributable to the	Peak			100%	-	-	
19.1.4.2			top ten clearing	Average			100%	-	-	

### Principle 23 Disclosure of Rules, Key Procedures, and Market Data

(Unit	:	Millions	of	yer

Principle 23 Disclosure of Rules, Key Procedures, and Market Data (Unit : Millions of									(Unit: Millions of yen)
Disclosure				Frequency			Clearing Service		
						Interest Rate	Exchange	Exchange	Comments
Ref.No.	Ref.No. Disclosure Description			Start Date	End Date	Futures	Forex Margin	<b>Equity Index</b>	Comments
						Contracts	Contracts	Margin	
23.1.1	Market	Average daily volumes		2016/7/1	2016/9/30	8,254lots	167,324lots	23,164lots	
23.1.2	data	Average notional value of trades cleared				825,502	169,982	36,839	
23.2.1		Gross notional outstanding/total settlement		2016/9/30	2016/9/30	18,817,090	1,198,781	277,928	
		value of novated but not-yet settled							
		securities transactions							
23.2.2		Asset class				Interest Rate	FX	Equity Index	
23.2.3		Product type				Futures/	Forex	CFD	
						Option			
23.2.4		Product code	Bloomberg			YEA	-	-	
			Reuters			0#JEY	0#TFXFX	TFX/CFD/INDEX	
23.3.1		Average daily volumes submitted by		2016/7/1	2016/9/30	8,254lots	167,324lots	23,164lots	
		Execution facility or matching/confirmation							
23.3.2		Notional contract values submitted by				825,502	169,982	36,839	
		Execution facility or matching/confirmation							