Date of Disclosure: 29 Nov.17 Tokyo Finacial Exchange

Financial Market Infrastructure: Quantitative Disclosure

Principle 4 Credit Risk (Unit: Millions of yen)

		Disclosu	ıre		Freq	uency		ng Service	
Ref.No.		Disclosu	re Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	Comments
4.1.1	Total value	Prefunded Own Capital	Before		2017/9/29	2017/9/29	1,000	2,000	
4.1.2	of default resources		Alongside		-		0	0	
4.1.3	(excluding		After		_		0	0	
4.1.3	initial and		Arter				0	U	
4.1.4	retained variation	Prefunded Participant contributions	Required				2,194	3,806	
4.1.5	margin)	Contributions	Posted	Post-Haircut	_		7,168	22,638	
4.1.6	1	Prefunded Other			1		0	0	
4.1.7		Committed	Round of participant		2017/9/29	2017/9/29	0	0	
		Own/parent funds	defaults						
4.1.8		Committed Participant	Initial round of				0	0	
		commitments	participant default						
4.1.9			Replenish the default				unlimited	unlimited	
1.1.10		Committed Other	fund				0	0	
1.2.1	KCCP	BCBS 282			2017/9/29	2017/9/29	119	0	
4.3.1	Value of pre-funded	Cash	Cash deposited at a central bank of issue	Pre-Haircut	2017/9/29	2017/9/29	-	-	(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
1.3.2	resources (excluding		concerned Cash deposited at	Pre-Haircut	_		-	-	fixed deposit account in commercial bank, which does not incur any loss at the
	initial and		other central banks	Post-Haircut			-	-	
1.3.3			Secured cash	Pre-Haircut			3,216	18,862	maturity.
	retained variation		deposited at	Post-Haircut			3,216	18,862	
1.3.4	margin)		Unsecured cash	Pre-Haircut			0	0	
			deposited at	Post-Haircut			0	0	
4.3.5		Non-cash	Sovereign	Pre-Haircut			2,178	5,494	
			Government Bonds -	Post-Haircut			2,128	5,406	1
4.3.6			Sovereign	Pre-Haircut			0	0	
1.3.7	-		Government Bonds - Agency Bonds	Post-Haircut Pre-Haircut	-		0	0	
1.3.7			Agency Bonds	Post-Haircut			0	0	4
4.3.8			State/municipal	Pre-Haircut			0	0	
			bonds	Post-Haircut			0	0	
1.3.9			Corporate bonds	Pre-Haircut			0	0	
				Post-Haircut			0	0	
1.3.10			Equities	Pre-Haircut			4,035	529	
1.3.11			Commodities - Gold	Post-Haircut Pre-Haircut	-		2,824	370	
7.3.11			Commodities - Gold	Post-Haircut			_		
4.3.12			Commodities - Other				-	-	
			3	Post-Haircut	1		-	-	
4.3.13	1		Commodities -	Pre-Haircut	1		-	-	
					1		-	-	
1.3.14							-	-	
				Post-Haircut	_		-	-	
4.3.15			In total	Pre-Haircut	_		9,430	24,885	
		1		Post-Haircut			8,168	24,638	

4.4.1		Whether the CCP is subject to a minimum "Co		2016/10/1	2017/9/29	4		3	(4.4.1) The number of expected defaulting
	Disclosures	requirement in reraqtion to total pre-funded of	lerault resources						members is defined as one Clearing
4.4.2		The number of business days within which the	e CCP assumes it			1day			Member that would potentially cause the largest credit risk to TFX and several
		will close out default when calculating credit e							
		would potentially need to be covered by the d	•						Clearing Members with the lowest amount
4.4.3		The estimated largest aggregate stress loss	CIGGIC TOTIO				(a)	(b)	of net assets.
		(in excess of initial margin) that would be	A(Peak day			/	17,001	3,736	Interest Rate Futures Contracts: 3
		caused by the default of any single	amount in						members / Daily Futures Contracts: 2
		participant and its affiliates (including	previous 12						members
		transactions cleared for indirect participants)	A(Average over				5,719	1,318	
		in extreme but plausible market conditions	previous 12						$(4.4.3 \sim 4.4.6, 4.4.7 \sim 4.4.10)$ The estimated
			months)						largest aggregate stress loss (here in after
			B(Peak day			3,331		5,775	"ELL") is calculated on the basis of the
			amount in						number of expected defaulting members
			previous 12						TFX defines in 4.4.1
			B(Average over			2,175		2,576	
			previous 12						(4.4.3-4.4.6) On February 27, 2017, FX
4 4 4		The growth of the 1	months)				(.) I		Daily Futures Clearing Membership and
4.4.4		The number of business days, if any, on	A(No. of days)				(a)	(b)	Equity Index Daily Futures Clearing
		which the above amount (4.4.3) exceeded	P(No. of days)			4 al	0days	3days	Membership were merged.
4.4.5		actual pre-funded default resources The amount in 4.4.3 which exceeded actual	B(No. of days)			1day	(a)		(a)FX Daily Futures Contracts and (b)
4.4.5			A				(a)	(-)	Equity Index Daily Futures Contracts before
		pre-funded default resources							the merger of memberships are shown in
							_		
			В			88			Column A. (October 1, 2016 - February 24,
						-		-	2017)
						-		-	Interest Rate Futures Contracts of all
						-		-	periods and Daily Futures Contracts after
						-		-	the merger of memberships are shown in
						-		-	column B, (February 27, 2017 – September
4.4.6		The actual largest aggregate credit exposure					(a)	(b)	29, 2017)
		to any single participant and its affiliates	A(Peak day				118	10	Before the merger of memberships, we
			amount in						have adopted the financial resource system
			previous 12						with 60% of the ELL as the necessary
			A(Average over				115	10	amount of advance contribution. It shows
			previous 12						the number of days in which advance
			months)						contribution fell short of the requirement
			B(Peak day			0		0	and the shortage needed to meet the
			amount in						requirement.
			previous 12 B(Average over			0		0	After the merger of memberships, 100% of
			previous 12					•	the ELL is adopted as the amount of
			months)						advance contribution.
4.4.7		The estimated largest aggregate stress loss	Peak day amount			_		-	
-		(in excess of initial margin) that would be	in previous 12						
		caused by the default of any two participants	· ·						
		and their affiliates (including transactions	Average over			_			
		cleared for indirect participants) in extreme	previous 12			-		-	
		but plausible market conditions	months						
4.4.0		<u>'</u>							
4.4.8		The number of business days, if any, on	No. of days			-		-	
		which the above amount (4.4.3) exceeded							
110		actual pre-funded default resources	The ten five						
4.4.9			The top five			-		-	
4.4.10		pre-funded default resources	amount						
4.4.10		The actual largest aggregate credit exposure	Peak day amount			-		-	
		to any two participants and theirits affiliates	in previous 12 Average over						
						-		-	
	I	l	previous 12		L				

		Disclosu	ire	Frequ	uency	Cleari	ng Service	
Ref.No.	Ref.No. Disclosure Description			Start Date		Interest Rate Futures Contracts	Daily Futures Contracts	Comments
5.1.1	Collateral	Assets eligible, and the	Initial margin	-	-	https://www.tfx.co.jp/en/	/rules/pdf/a1a09_en.pdf	
		respective haircuts						
5.2.1		applied	Pre-funded participant contributions to			https://www.tfx.co.jp/en/	/rules/pdf/a7a02_en.pdf	
			the default resources					
5.3.1		Results of testing of	Confidedce interval targeted through the	2017/7/1	2017/9/29	100%	100%	
		haircuts	calculation of haircut					
5.3.2			Assumed holding/liquidation period for			4days	4days	
]		the assets accepted					
5.3.3			Look-back period used for testing the			1year	1year	
			haircuts					
5.3.4			The number of days during the look-			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)

	6 Margin Disclosure			Frequency Clearing Service					(Unit : Millions of yen)	
Ref.No.		Disclosu	re Description		Start Date	End Date	Interest Rate Futures Contracts		Equity Index Daily Futures	Comments
6.1.1	Total initial	Total initial margin requ	iired	House Net	2017/9/29	2017/9/29	384	Contracts 22,280	Contracts 7,223	(6.1.1)"Total initial margin required" of
	margin	3		Client Gross			-	67,237		TFX_FX and TFX_CFD includes the amoun
	required			Client Net			1,293		-	of variation margin.
6.2.1	Total initial	Cash deposited at a	House	Total Pre Haircut			1,678	89,517	10,727	
,,,,,	margin		House	Post Haircut			-	-	-	(6.1.1~6.2.15)Initial margin deposit for
		the currency concerned	Client	Pre Haircut			-	-	-	TFX_FX and TFX_CFD is deposited only by JPY cash.
			Client Total	Post Haircut			-	-	-	Jr i Casii.
			Total	Pre Haircut Post Haircut			-		-	(6.2.3)"Secured cash deposited at
5.2.2	-	Cash deposited at	House	Pre Haircut			-	-	-	commercial bank" refers to the cash
		other central banks	House	Post Haircut			-	_		deposited at ordinary deposit account or
			Client Client	Pre Haircut Post Haircut			-	-	-	fixed deposit account in commercial bank,
			Total	Pre Haircut			-	-	_	and it does not incur any loss at the
			Total	Post Haircut			-	-	-	maturity.
5.2.3		Secured cash	House	Pre Haircut			2,831	96,860		
		deposited at commercial bank	House Client	Post Haircut Pre Haircut			2,831 3,106	96,860 293,560		
		Commercial bank	Client	Post Haircut			3,106	293,560		
			Total	Pre Haircut			5,937	390,420		
. 2.4		Hanna word and	Total	Post Haircut			5,937	390,420	55,576	
5.2.4		Unsecured cash deposited at	House House	Pre Haircut Post Haircut			-		-	
		commercial banks	Client	Pre Haircut			-	-	-	
			Client	Post Haircut			-	-	-	
			Total Total	Pre Haircut Post Haircut			-	-	-	
5.2.5	Total initial	Sovereign government	House	Pre Haircut			11,581	<u> </u>	-	1
		bonds - domestic	House	Post Haircut			11,313	-	-	
	held - Non-		Client	Pre Haircut			2,389	-	-	
	cash		Client Total	Post Haircut Pre Haircut			2,333 13,970	-	-	1
			Total	Post Haircut			13,646	-	-	1
5.2.6		Sovereign government	House	Pre Haircut			0	-	-	
		bonds - other	House	Post Haircut			0	-	-	
			Client Client	Pre Haircut Post Haircut			0		-	
			Total	Pre Haircut			0	-	-	
			Total	Post Haircut			0	-	-	
.2.7		Agency bonds	House House	Pre Haircut Post Haircut			0	-	-	
			Client	Pre Haircut			0		-	
			Client	Post Haircut			0	-	-	
			Total	Pre Haircut			0	-	-	
5.2.8		State/municipal bonds	Total House	Post Haircut Pre Haircut			0	-	-	
0.2.0		State/municipal bonus	House	Post Haircut			0	-	-	
			Client	Pre Haircut			0	-	-	
			Client	Post Haircut			0	-	-	
			Total Total	Pre Haircut Post Haircut			0		-	
5.2.9		Corporate bonds	House	Pre Haircut			0	-	-	
			House	Post Haircut			0	-	-	
			Client Client	Pre Haircut			0	-	-	
			Total	Post Haircut Pre Haircut			0		-	
			Total	Post Haircut			0	-	-	
5.2.10		Equities	House	Pre Haircut			20,855	-	-	
			House Client	Post Haircut Pre Haircut			14,594 487	-	-	
			Client	Post Haircut			341	-	-	1
			Total	Pre Haircut			21,342	-	-	
2.44	4	Commodition	Total	Post Haircut			14,934	-	-	
.2.11		Commodities - Gold	House House	Pre Haircut Post Haircut				-	-	1
			Client	Pre Haircut					-]
			Client	Post Haircut			-	-	-	
			Total Total	Pre Haircut Post Haircut			-	-	-	-
.2.12	-	Commodities - Other	House	Pre Haircut			-	<u> </u>	-	1
			House	Post Haircut			-		-	
			Client	Pre Haircut			-	-	-	-
			Client Total	Post Haircut Pre Haircut			-		-	
			Total	Post Haircut			-		-	1
.2.13	1	Mutual funds / UCIT s	House	Pre Haircut			-	-	-	
			House	Post Haircut			-	-	-	
			Client Client	Pre Haircut Post Haircut			-	-	-	1
			Total	Pre Haircut			-	-	-	1
			Total	Post Haircut			-	-	-	
.2.14		Other	House	Pre Haircut			-	-	-	-
			House Client	Post Haircut Pre Haircut			-	-	-	-
			Client	Pre Haircut Post Haircut			-	<u> </u>	-	1
			Total	Pre Haircut			-		-]
			Total	Post Haircut			-	-	-	
.2.15	Total initial	Total	House	Pre Haircut			35,267	96,860	,	-
	margin		House Client	Post Haircut Pre Haircut			28,738 5,982	96,860 293,560	· · · · · · · · · · · · · · · · · · ·	
	held		Client	Post Haircut			5,779	293,560		
			Total	Pre Haircut			41,250	390,420	55,576	
			Total	Post Haircut			34,518	390,420	55,576	

6.3.1	Initial	Initial margin rates on individual contracts	Interest Rate			https://www.tfx.co.jp/en	/historical/futur	res/spparam.h	
	margin	where the CCP sets such rates	Futures Contracts			tml			
	rates		FX Daily Futures Contracts			Individual Customers: https://www.click365.jp/	/on /otout/otout0:	C 02 html	
			rutures Contracts			Non-individual Customers			1
						https://www.click365.jp/			
			Equity Index Daily			https://www.clickkabu36	5.jp/en/start/st	:art05.html	
6.4.1	Initial	Type of IM model	Futures Contracts Interest Rate			SPAN® method			(6.4.1)For Transactions by Individual
	margin		Futures Contracts	<u> </u>					Customers of FX Daily Futures contracts,
	model		FX Daily			Individual Customers:			TFX determines the Margin Reference
			Futures Contracts			Fixed leverage ratio(x25) Non-individual Customers			Amount based on the maximum leverage
						Historical volatility metho			ratio of 25 times as prescribed in the
						Market Makers:			relevant laws and regulations.
			Favity Indox Daily			Historical volatility metho	d with the limit	of maximum	(Note)(6.4.5)For Transactions by Individual
			Equity Index Daily Futures Contracts			Customers: Historical volatility metho	nd		Customers of FX Daily Futures contracts,
			ratares contracts			Market Makers:	<u>u</u>		TFX determines the Margin Reference
						Historical volatility metho			Amount based on the maximum leverage
6.4.2		Type of IM model change effective date				1996/4/8	2017/2/27	2017/2/27	ratio of 25 times as prescribed in the
6.4.3	_	IM model name				SPAN®	-	_	relevant laws and regulations. TFX has
6.4.4	-	IM model name change effective date Single-tailed confidence level targeted		•		99%	- Individual		confirmed that the ratio fully covers
0.4.5		Single-tailed confidence level targeted				99%	Individual Customers:	99%	confidence level of 99% or more in price movement data used in stress test with
							(Note)		respect to at least three major currency
							Non-individual		pairs (USD/JPY, EUR/JPY, AUD/JPY).
							Customers		
							and Market		(Note)(6.4.6, 6.4.8, 6.4.10, 6.4.12, 6.4.15)
						1	Makers:		Since TFX adopted the Financial Resources
C 1 C	_	Cincle tailed confidence level shapes				(Niata)	99%	(81 1)	Framework in July 2015, those parameters
6.4.6 6.4.7	_	Single-tailed confidence level change Sample/data look-back period for calibrating				(Note)	(Note) Non-individual		are retrietred office a year as pare of the
0.4.7		the model				omonuns	Customers		validation of overall risk management
		and model				1	and Market		framework.
						1	Makers:		(Note)(6.4.7)Non-individual Customers and
						1	8weeks or		Market Makers
						1	104weeks		
6.4.8	1	Look back period change effective date				(Note)	(Note)	(Note)	
6.4.9		Adjustments or scalars or weighting, if any,				-	-	-	
6.4.10	_	applied to histrical data Adjustments change effective date				(Note)	(Note)	(Note)	-
6.4.11	-	Close-out/holding periods				(Note)	(Note) 1day	(Note) 1day	
6.4.12	-	Close-out/holding periods effective date				(Note)	(Note)		
6.4.13	1	IM rates link	Interest Rate	!		https://www.tfx.co.jp/en	` ′	` ′	
			Futures Contracts			tml			
			FX Daily			Individual Customers:			
			Futures Contracts			https://www.click365.jp/ Non-individual Customers			-
						https://www.click365.jp/			
			Equity Index Daily			https://www.clickkabu36			
C 4 4 4			Futures Contracts						-
6.4.14	-	Frequency of parameter reviews Frequency of parameter reviews change				monthly (Note)	weekly (Note)	weekly (Note)	
JT.1J		effective date				(Note)	(Note)	(Note)	
6.5.1.1	Results of	Number of times over the past 12 months		2016/10/1	2017/9/29	0	25	10	(Note)(6.5.4)Peak that margin coverage
3.3.1.1	back-	that margin coverage held against any		2010/10/1	2011/3/29		23		held against a clearing member fell below
	testing of	account fell below the actual marked-to-							the actual marked-to-market exposure of
	initial	market exposure of that member account -							that member account - based on daily
	margin	based on daily back-testing results				1			back-testing results.
6.5.1.2		Frequency of daily back-testing result				daily	daily	daily	
		measurements							(Note)(6.5.5)Average that margin coverage
6.5.1.3		Time of daily back-testing result if measured				17:00:00	6:00:00	0.00.00	held against a clearing member fell below the actual marked-to-market exposure of
6.5.2	-	once a day Number of observations				4,057	8,168		that member account - based on daily
6.5.3		Achieved coverage level]		100.0%	99.7%		back-testing results.
6.5.4		Where breaches of initial margin coverage	Peak			0	473		
		have occurred, report on size of uncovered							
		exposure; Peak size							
6.5.5	1	Where breaches of initial margin coverage	Average			0	51	15	1
		have occurred, report on size of uncovered							
		exposure; Average Size							
6.6.1	Total	Average Total Variation Margin Paid to the	Average	2017/7/1	2017/9/29	70	1,413	290	
0.0.1	Variation	CCP by participants each business	Average	201///1	201//3/23	/0	1,413	290	
	· · · · · · · · · · · · · · · ·	Maximum total variation margin paid to the	Peak	1	1	388	3,722	1,585	1
6.7.1	Margin	riaximam total variation margin pala to the				•			
	Margin	CCP on any given business day over the							
6.7.1	Margin _					28	377	59	

Tiricipie /	Liquidity Risk	Disclosu	ıre	Freat	iency	Cleari	ng Service	(Unit : Millions of yen)
D.CN.						Interest Rate Futures		Comments
Ref.No.		Disclosu	re Description	Start Date	End Date	Contracts	Daily Futures Contracts	
7.1.1	Liquidity	Liquidity Risk that are	Number of expected	2017/9/29	2017/9/29	4	3	(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	largest liquidity risk to TFX and several
		of qualifying liquid	central bank of issue					Clearing Members with the lowest amount
		resources for each	of the currency					of net assets.
		clearing service	concerned					Interest Rate Futures Contracts :
7.1.3	-		Cash deposited at			0	0	3members / Daily Futures Contracts :
,,,,,			other central banks				_	2members.
7.1.4	1		Secured cash			0	145,457	
			deposited at				,	
			commercial banks					(7.1.4)"Secured cash deposited at
								commercial bank" refers to the cash
7.1.5			Unsecured cash			0	0	deposited at ordinary deposit account or
			deposited at					fixed deposit account in commercial bank,
			commercial banks					which does not incur any loss at the
	_							maturity.
7.1.6			Secured committed			0	0	The carrey.
			lines of credit					(7.1.7)The liquidity supply facilities are set
			including committed					with several commercial banks designated
			foreign exchange					as the Settlement Banks and TFX can utilize
			swaps and					
7.1.7	-		Unsecured			29,000	0	the funds within the same day upon taking procedural steps provided in the applicable
, , , , ,			committed lines of			25/000		
7.1.8	-		Highly marketable			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	
7.1.10		State whether the CCP				None.		
		has routine access to						
		central bank liquidity						
		or facilities						
								(7.1.10)
7.1.11		Details regarding the	Any applicable rule,			https://www.tfx.co.jp/en/re	ules/pdf/a1a08_en.pdf	TFX has an account at the Bank of Japan for
		schedule of payments	policy, procedure,					settlement purpose.
		or priority for allocating	and governance					
		payments	arrangement around					
			such decision					
			making					
7.2.1	Supplemen	Size and composition		-	-		4,491	
-		of any supplementary					.,	
		liquidity risk resources						
	risk	manary risk resources						
	resources							
	Coolices		1					

7.3.1	Liquidity	Estimated largest	SameDayPayment	SameDayPayment	2016/10/1	2017/9/29	4,391	22,944	
	Risk	same-day and, where	IntraDayPayment	_Total					
		relevant, intraday and	MultiDayPayment	IntraDayPayment_			-	-	
		multiday payment		Total					
		obligation ("ELPO") in		MultiDayPayment_			-	-	
		total that would be		Total					
		caused by the default		SameDayPayment			4,391	22,944	
		of any single		IntraDayPayment			-	-	
7.2.2	-	participant and its	Number of business	MultiDayPayment			-	-	
7.3.2		affiliates in extreme	Number of business				0	0	
		but plausible market	days, if any, on						
		conditions	which the above						
			amount exceeded its						
			qualifying liquid						
			resources						
7.3.3			Number of business				0	0	
			days, if any, on						
			which the above						
			amount exceeded its						
			qualifying liquid						
			resources						
7.3.4		Actual largest intraday	and multiday	SameDayPayment			184	14,870	
		payment obligation of a	a single participant	_Total					
		and its affiliates		IntraDayPayment_			-	-	
		(Peak day amount)		Total					
		(Note)		MultiDayPayment_			-	-	
				Total					
				SameDayPayment			184	14,870	
				IntraDayPayment			-	-	
			<u>, </u>	MultiDayPayment			-	-	
7.3.5		Estimated largest	SameDayPayment				-	-	
			IntraDayPayment						
			MultiDayPayment						
7.3.6	-	multiday payment	Number of business				_	_	(7.2.5. 7.2.7)TEV deep not make a familia
7.3.0		obligation in each	days, if any, on				_		(7.3.5~7.3.7)TFX does not make a foreign
		relevant currency that	which the above						exchange settlement.
		would be caused by							
		the default of any	amounts exceeded						
		single participant and	its qualifying liquid						
		its affiliates	resources						
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						
			qualifying liquid						
			resources						
	1	1	1			ĺ			

Principle 13 Default rules and Procedures

		Disclosure	Frequ	uency	Cleari	ng Service	
Ref.No.		Disclosure Description	Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	Comments
13.1.1	•	Quantitative information related to defaults;	2017/7/1	2017/9/29	-	-	
		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;			-	-	
		Proportion of client positions ported					
13.1.4		Quantitative information related to defaults;			-	-	
		Appropriate references to other published					
		material related to the defaults					

Principle 14 Segregation and Portability

		Disclosure		Frequ	uency	Cleari	ng Service		
Ref.No.	Disclosure Description				End Date	Interest Rate Futures Contracts	Daily Futures Contracts	Comments	
14.1.1	Total Client	Total Client Positions held in individually		2017/9/29	2017/9/29	0%	100%		
	Positions	segregated accounts							
14.1.2		Total Client Positions held in omnibus client-				100%	0%		
		only accounts, other than LSOC accounts							
14.1.3		Total Client Positions held in legally				0%	0%		
		segregated but operationally comingled							
		(LSOC) accounts							
14.1.4		Total Client Positions held in comingled				0%	0%		
		house and client accounts							

Principle15 General Business Risk

(Unit	:	Millions	of	yen)
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rincipie15	nciple15 General Business Risk (Unit											
		Disclosure		Frequ	iency	Cleari	ng Service					
Ref.No.		Disclosure Description	Star	rt Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	Comments				
15.1.1	Financial items	Value of liquid net assets funded by equity	201	16/4/1	2017/3/31		17,265	0				
15.1.2		Six months of current operating expenses					1,491					
15.2.1		Total Revenue (Operating revenue)	201	16/4/1	2017/3/31		8,647					
15.2.2		Total Expenditure (Operating expenditure)					8,073					
15.2.3		Profits					574					
15.2.4		Total Assets					479,784					
15.2.5		Total Liabilities					457,931					
15.2.6		Explain if collateral posted by clearing participants is held on or off the CCP's					(Note)					
		balance sheet										
15.2.7		Additional items as necessary					-					
15.3.1	-	Percentage of total income that comes from	201	16/4/1	2017/3/31		88.64%					
		fees related to provision of clearing services										
15.3.2		Percentage of total income that comes from					3.73%					
		the reinvestment (or rehypothecation) of assets provided by clearing participants										
		assets provided by eleating participants										

		Disclosure		Frequ	uency	Cleari	ng Service	
Ref.No.		Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	Comments
16.1.1	Total cash	Initial margin		2017/9/29	2017/9/29	5,937	445,996	
16.1.2	received	Default fund, received from participants				2,216	16,862	
16.2.1		Percentage of this total participant cash held		2017/9/29	2017/9/29	100%		(16.2.4)"Secured: as cash deposits at
		as cash deposits						commercial banks" refers to the cash
16.2.2	received	Percentage held: as cash deposits at central				0%	0%	deposited at ordinary deposit account or
		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%	which does not incur any loss at the
		central banks						·
16.2.4	is neid /	Percentage held: as cash deposits at	Secured (including			100%	100%	maturity.
		commercial banks	through reverse					
	invested		repo)					(Note) (16.2.9) All cash received from
16.2.5		Percentage held: as cash deposits at	Unsecured			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%	
		market funds						(16.2.18) Investment is made obeying the
16.2.7		Percentage held: as cash deposits in other				0%	0%	management and operation rules for
		forms						collateral.
16.2.8		Percentage split by currency of these cash	Local currency,			100%	100%	Collateral.
		deposits	JPY					
16.2.9		Percentage held as cash deposits				100%	100%	
		Weighted average maturity of these cash				(Note)	0.41 years	
		deposits and money market funds						
16.2.10		Percentage of this total participant cash	Domestic			-	0%	
		invested in securities						
16.2.11		Percentage invested in: sovereign	Other			-	0%	
		government bonds						
16.2.12		Percentage invested in : agency bonds				-	0%	
16.2.13		Percentage invested in : state/municipal				-	0%	
16.2.14		Percentage invested in : other instruments				-	0%	
16.2.15	-	Percentage split by currency of these				-	0%	
16.2.16		Weighted average maturity of these				-	-	
		securities						
16.2.17	-	Estimate of the risk on the investment				-		
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				_		
10.2.17		which this limit has been exceeded						
16.2.20	-	Percentage of total participant cash held as				0%	0%	
10.2.20		securities				0 70	0 70	
16.3.1		Total value of participant non-cash	Initial margin	2017/9/29	2017/9/29			(16.3) Participant assets are not
		rehypothecated		,	,	-	-	rehypothecated by TFX.
16.3.2		Total value of participant non-cash	Default fund			-	-	, ,
	participant	rehypothecated						
16.3.3		Maturities	Initial margin			-	-	
16.3.4	-	Maturities	Default fund			-	-	

Principle 17 Operational Risk

Principle 17	Principle 17 Operational Risk												
Disclosure					uency	Cleari	ng Service						
Ref.No. Disclosure Description S				Start Date	End Date	Interest Rate Futures	Daily Futures Contracts	Comments					
Kei.ivo.		Disclosure Description			Liid Date	Contracts	Daily Faculty Contracts						
17.1.1	Operational	Operational availability target for the core		-	-	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		2016/10/1	2017/9/29	100%	100%						
17.3.1		Total number of failures				0	0						
1741		Recovery time objectives		-	_	2hours	2hours						

Principle 18 Access and Participation Requirements

Disclosure					Freq	uency	Cleari	ng Service	
Ref.No.		Disclosu	re Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	Comments
18.1.1.1	Number of	General clearing members				2017/9/29	30	0	
18.1.1.2	clearing	Direct clearing member	S				0	26	
18.1.1.3	members	Others category					0	0	
18.1.2.1		Central bank participan	ts				0	0	
18.1.2.2		CCP participants					0	0	
18.1.2.3		Bank participants					13	4	
18.1.2.4		Other participants					17	22	
18.1.3.1		Domestic participants					29	24	
18.1.3.2		Foreign participants					1	2	
18.2.1	Open	Fewer than 25	Largest five	Peak	2017/7/1	2017/9/29	-	-	
	position	members	members	Average			-		
18.2.2	concentrati	25 or more members	Largest five	Peak			63%	73%	
	on		members	Average			55%	71%	
18.2.3			Largest ten	Peak			91%	87%	
			members	Average			89%	86%	
18.3.1	Initial	Fewer than 25	Largest five	Peak	2017/7/1	2017/9/29	-	-	
		members	members	Average			-	-	
18.3.2	concentrati	25 or more members	Largest five	Peak			64%	79%	
	on		members	Average			63%	79%	
18.3.3			Largest ten	Peak			86%	91%	
			members	Average			85%	91%	
18.4.1		Fewer than 25	Largest five		2017/9/29	2017/9/29	-	-	
	default	members	members						
18.4.2	fund	25 or more members	Largest five				30%	66%	
	concentrati		members						
18.4.3	on		Largest ten				50%	84%	
			members						

Principle 19 Tiered Participation Arrangements

· ····cipic 15	The Part of the Country of the Count												
Disclosure						uency	Cleari	ng Service					
Ref.No. Disclosure Description St						Fud Data	Interest Rate Futures	Daily Futures Contracts	Comments				
Ref.No.	Disclosure Description					End Date	Contracts	Daily Futures Contracts					
19.1.1	Measures	Number of clients (acco		2017/7/1	2017/9/29	-	933,017						
19.1.2	of	Number of direct ment				30	26						
	concentrati												
19.1.3.1	on of client	Percent of client Attributable to the		Peak			100%	73%					
10 1 2 2		transactions top five clearing		Average			93%	63%					
19.1.4.1	cicaring		Attributable to the	Peak			100%	91%					
19.1.4.2			top ten clearing	Average			100%	89%					

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

(Unit	:	Millions	of	yen)

Fillicipie 23	Unit : Millions of yen)											
Disclosure					uency	Clearing Service						
						Testamant Data Festiman	FX Daily	Equity Index	Community			
Ref.No.	ef.No. Disclosure Description			Start Date	End Date	Interest Rate Futures	Futures	Daily Futures	Comments			
						Contracts	Contracts	Contracts				
23.1.1	Market	Average daily volumes		2017/7/1	2017/9/29	6,043lots	112,280lots	28,498lots				
23.1.2	data	Average notional value of trades cleared				603,920	113,678	56,199				
23.2.1		Gross notional outstanding/total settlement		2017/9/29	2017/9/29	13,090,744	1,481,337	587,120				
		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	FX/CFD/INDEX				
23.3.1		Average daily volumes submitted by		2017/7/1	2017/9/29	6,043lots	112,280lots	28,498lots				
		Execution facility or matching/confirmation										
23.3.2		Notional contract values submitted by				603,920	113,678	56,199				
		Execution facility or matching/confirmation										