Financial Market Infrastructure: Ouantitative Disclosure

	Principle 4 Credit Risk		Free	quency	Clear	ing Service	(Unit : Millions of yen)	
					Interest Rate Futures	-	Comments	
Ref.No.	Disclosure De	escription	Start Date	End Date	Contracts	Daily Futures Contracts		
4.1	Total value of default resources (excluding initial a	nd retained variation margin)					·	
4.1.1	Prefunded Own Capital Before		2019/12/3	1 2019/12/31	800	1,800	-	
4.1.2	Alongside				0	0	-	
4.1.3	After Prefunded Participant Required				0 1,500	12 702	-	
4.1.4 4.1.5	Prefunded Participant Required contributions Posted	Post-Haircut			7,785	13,703 23,758		
4.1.6	Prefunded Other	i osc Haircac			0	0		
4.1.7	Committed Own/parent funds Round of participa	nt defaults	2019/12/3	1 2019/12/31	0	0		
4.1.8	Committed Participant Initial round of participant	rticipant default			0	0		
4.1.9	commitments Replenish the defa	ult fund			unlimited	unlimited		
4.1.10	Committed Other				0	0		
<mark>4.2</mark> 4.2.1	KCCP Kccp - Kccp need only be reported by those CCPs v	which are an eask to be a "qualifying CCC	2010/12/2	1 2019/12/31	14	0		
4.2.1	under relevant law	which are, or seek to be a qualitying CCP	2019/12/3	1 2019/12/31	14	0		
4.3	Value of pre-funded default resources (excluding in	nitial and retained variation margin) held	for each clearing	service, in tota	l and split by			
4.3.1	Cash Cash deposited at			1 2019/12/31	-	-	(4.3.3)"Secured cash deposited at	
	bank of issue of th	,			-	-	commercial banks" refers to the cash	
4.3.2	Cash deposited at				-	-	deposited at ordinary deposit account or	
1.0.0	banks	Post-Haircut			-	-	fixed deposit account in commercial bank,	
4.3.3	Secured cash depo				3,933	17,613	which does not incur any loss at the	
124	commercial banks				3,933	17,613	maturity.	
4.3.4	Unsecured cash de				0	0	-	
4.2.5	commercial banks				0	0	-	
4.3.5	Non-cash Sovereign Governi	ment Bonds - Pre-Haircut Post-Haircut			1,089	7,373 7,255		
4.3.6	Domestic Sovereign Governi				1,000		-	
4.5.0	Other	Post-Haircut			-		1	
4.3.7	Agency Bonds	Pre-Haircut			-	-		
		Post-Haircut			-	-	1	
4.3.8	State/municipal bo	onds Pre-Haircut			-	-]	
		Post-Haircut			-	-		
4.3.9	Corporate bonds	Pre-Haircut			-	-	-	
1 2 10	5	Post-Haircut			-	-	-	
4.3.10	Equities	Pre-Haircut			5,123 3,585	986		
4.3.11	Commodities - Go	Post-Haircut Id Pre-Haircut					-	
4.5.11	commodules	Post-Haircut			-			
4.3.12	Commodities - Oth				-	-	1	
		Post-Haircut			-	-	1	
4.3.13	Commodities - Mu	tual Pre-Haircut			-	-]	
	Funds/UCITs	Post-Haircut			-	-		
4.3.14	Commodities - Oth				-		-	
4 2 15	To total	Post-Haircut			- 10.146	-	-	
4.3.15	In total	Pre-Haircut Post-Haircut			10,146 8,585	25,972 25,558		
4.4	Credit Risk Disclosures				6,305	23,536		
4.4.1	Whether the CCP is subject to a minimum "Cover1	" or "Cover2" requirement in reragtion to	2019/1/1	2019/12/31	4	3	(4.4.1) The number of expected defaulting	
	total pre-funded default resources	· · ·					members is defined as one Clearing	
4.4.2	The number of business days within which the CCI	P assumes it will close out default when			1day	1day	Member that would potentially cause the	
	calculating credit exposures that would potentially						largest credit risk to TFX and several	
4.4.3	The estimated largest aggregate stress loss (in exc	, , ,	ous		2,744	15,487	Clearing Members with the lowest amount	
	margin) that would be caused by the default of any				1 420	7 507	of net assets.	
	participant and its affiliates (including transactions				1,438	7,507	Interest Rate Futures Contracts : 3	
4.4.4	indirect participants) in extreme but plausible mark The number of business days, if any, on which the	et conditions months above No. of days			0	2	members / Daily Futures Contracts: 2	
7.7.7	amount (4.4.3) exceeded actual pre-funded defaul	-			Ŭ	2	members	
4.4.5	The amount in 4.4.3 which exceeded actual pre-fu				-	284		
	resources				-	256	(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	
					-		-	
					-		1	
4.4.6	The actual largest aggregate credit exposure to an	y single Peak day amount in previo	ous		0	0	1	
	participant and its affiliates	12 months						
		Average over previous 12			0	0]	
		months					1	
4.4.7	The estimated largest aggregate stress loss (in exc	, , ,	ous		-	-		
	margin) that would be caused by the default of any						4	
	participants and their affiliates (including transaction				-	-		
449	for indirect participants) in extreme but plausible n The number of business days, if any, on which the	narket months above No. of days					4	
4.4.8	The number of pushess days, it driv, on which the	above into, or days	1	1	-	-		

	amount (4.4.3) exceeded actual pre-funded default resources	
4.4.9	The amount in 4.4.3 which exceeded actual pre-funded default	The top five amount
	resources	
4.4.10	The actual largest aggregate credit exposure to any two	Peak day amount in previous
	participants and theirits affiliates	12 months
		Average over previous 12
		months

	Principle 5 Collateral	Freq	uency	Clear	ring Service			
Ref.No.	Disclosure Description	Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	Comments		
5.1	5.1 Assets eligible as initial margin, and the respective haircuts applied							
5.1.1	Assets eligible, and the respective haircuts applied	-	-	- https://www.tfx.co.jp/en/rules/pdf/a-09_en.pdf		(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	ve haircuts ap	oplied (if differ	ent from 5.1)				
5.2.1	Pre-funded participant contributions to the default resources	-	-	https://www.tfx.co.jp/en	/rules/pdf/b-18_en.pdf			
5.3	Results of testing of haircuts							
5.3.1	Confidedce interval targeted through the calculation of haircut	2019/10/1	2019/12/31	100.00%	100.00%			
5.3.2	Assumed holding/liquidation period for the assets accepted			4days	4days			
5.3.3	Look-back period used for testing the haircuts			1year	1year			
5.3.4	The number of days during the look-back period on which the fall in value during the assumed			0day	0day			
	holding/liquidation period exceeded the haircut on an asset							

		Principle 6 Margin		Freq	uency		ing Service	Contract	
Ref.No.		Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Future FX	es Contracts Equity Index	Comments
.1	For each clearing service, total i	nitial margin required, split by h	ouse and client			contracts		Equity Index	
.1.1	Total initial margin required		House Net	2019/12/31	2019/12/31	254	26,257		(6.1.1)"Total initial margin required" of
			Client Gross Client Net	_		- 438	61,848	848 5,32	5 TFX_FX and TFX_CFD includes the amo
			Total			692	88,105	6,264	
.2	For each clearing service, total i			2010/12/21	2010/12/21				
5.2.1	Cash deposited at a central bank issue of the currency	House	Pre Haircut Post Haircut	2019/12/31	2019/12/31	-	-	-	(6.1.1~6.2.15)Initial margin deposit fo TFX_FX and TFX_CFD is deposited only
	concerned	Client	Pre Haircut	_		-	-	-	JPY cash.
		Client Total	Post Haircut Pre Haircut	_		-	-	-	-
		Total	Post Haircut	_		-	-	-	(6.2.3)"Secured cash deposited at
5.2.2	Cash deposited at other central		Pre Haircut			-	-	-	commercial bank" refers to the cash deposited at ordinary deposit account o
	banks	House Client	Post Haircut Pre Haircut	_		-	-	-	fixed deposit account in commercial bar
		Client	Post Haircut	_		-	-	-	and it does not incur any loss at the
		Total	Pre Haircut			-	-	-	maturity.
5.2.3	Secured cash deposited at	Total House	Post Haircut Pre Haircut	_		- 5,141	- 100,614	- 8,361	
0.2.5	commercial bank	House	Post Haircut	_		5,141	100,614	8,361	
		Client	Pre Haircut			2,397	327,634	57,037	
		Client Total	Post Haircut Pre Haircut			2,397 7,538	327,634 428,247	57,037 65,398	
		Total	Post Haircut	-		7,538	428,247	65,398	
.2.4	Unsecured cash deposited at	House	Pre Haircut			-	-	-	
	commercial banks	House	Post Haircut			-	-	-	-
		Client Client	Pre Haircut Post Haircut	_		-	-	-	-
		Total	Pre Haircut					-	1
	Caverai	Total	Post Haircut	_			-	-	-
5.2.5	Sovereign government bonds - domestic	House	Pre Haircut Post Haircut			7,101 6,951	-	-	-
	Concestic	Client	Pre Haircut			1,535	-	-	1
		Client	Post Haircut			1,494	-	-	
		Total Total	Pre Haircut Post Haircut	-		8,636 8,445	-	-	-
5.2.6	Sovereign government bonds -	House	Pre Haircut	_			-	-	-
	other	House	Post Haircut			-	-	-	1
		Client Client	Pre Haircut Post Haircut	_		-	-	-	-
		Total	Pre Haircut	_		-	-	-	
		Total	Post Haircut -	-	-				
5.2.7	Agency bonds	House	Pre Haircut	_		-	-	-	-
	Cli Cli To	House Client	Post Haircut Pre Haircut	-		-	-	-	
		Client	Post Haircut			-	-	-	1
		Total	Pre Haircut			-	-	-	
5.2.8	State/municipal bonds	Total House	Post Haircut Pre Haircut	_		-	-		-
.2.0	otato, manepar bonas	House	Post Haircut			-	-	-	
		Client	Pre Haircut			-	-	-	4
		Client Total	Post Haircut Pre Haircut			-	-	-	-
		Total	Post Haircut	_		-	-	-	
5.2.9	Corporate bonds	House	Pre Haircut	_		-	-	-	-
		House Client	Post Haircut Pre Haircut	_		-	-	-	-
		Client	Post Haircut	_		-	-	-	-
		Total	Pre Haircut			-	-	-	
2 10	Equities	Total House	Post Haircut Pre Haircut	_		- 27,396	-	-	-
0.2.10	Equities	House	Post Haircut	_		19,170	-	-	
		Client	Pre Haircut			453	-	-	1
		Client Total	Post Haircut Pre Haircut	_		317 27,849	-	-	-
		Total	Post Haircut	_		19,487	-		1
5.2.11	Commodities - Gold	House	Pre Haircut			-	-	-	
		House	Post Haircut	_		-	-	-	4
		Client	Pre Haircut Post Haircut	_		-	-	-	4
		Total	Pre Haircut	1			-	-	1
2 1 2	Commodities - Other	Total	Post Haircut Pre Haircut	_		-	-	-	-
5.2.12	commodities - Other	House	Pre Haircut Post Haircut	-		-	-	-	-
		Client	Pre Haircut	1			-	-	1
		Client	Post Haircut	_		-	-	-	
		Total Total	Pre Haircut Post Haircut	-		-	-	-	-
5.2.13	Mutual funds / UCIT s	House	Pre Haircut				-	-	
		House	Post Haircut	_		-	-	-	
		Client	Pre Haircut Post Haircut	-			-	-	-
		Total	Pre Haircut				-	-]
	0.1	Total	Post Haircut	_		-	-	-	
5.2.14	Other	House	Pre Haircut Post Haircut	-			-	-	-
		Client	Pre Haircut				-	-	
		Client	Post Haircut	_		-	-	-	
		Total Total	Pre Haircut Post Haircut	-		-	-	-	
5.2.15	Total	House	Post Haircut Pre Haircut	-		- 39,638	- 100,614	- 8,361	
-		House	Post Haircut			31,262	100,614	8,361]
		Client Client	Pre Haircut Post Haircut	-		4,384 4,208	327,634 327,634	57,037 57,037	
		Total	Post Haircut Pre Haircut	-		4,208 44,023	327,634 428,247	57,037 65,398	
		Total	Post Haircut	1		35,470	428,247	65,398	
.3	For each clearing service, total i					https://www.tfi-i-i-	historical /6		
.3.1	Initial margin rates on individual contracts where the	Interest Rate Futures Contracts	•	-	-	https://www.tfx.co.jp/en/ I	mstorical/future	sy spparam.ntm	
	CCP sets such rates	FX Daily Futures Contracts	Individual Customers	1		https://www.click365.jp/e	en/start/start06	_02.html	1
				_		https://www.click365.jp/e	n /ctart /-tarta	html	
						$1000 \times 1000 \times 10000 \times 1000 \times 10000 \times 1000 \times 1000 \times 1000 \times 1000 \times 10000 \times 1000 \times 1000 \times 10000 \times 100000 \times 100000 \times 100000 \times 100000000$	u/scart/start()6		
			Non-individual Customers and Market Makers						

6.4	Type of initial margin model us	ed (e.g. portfolio simulation or r	sk aggregation) for each clearing	service and t	he key model	design parameters for ea	ch initial margin	model applied to	that clearing service
6.4.1	Type of IM model	Interest Rate Futures Contract		-	-	SPAN® method			(6.4.1)For Transactions by Individual
									Customers of FX Daily Futures contracts,
		FX Daily Futures Contracts	Individual Customers			Fixed leverage ratio(x25)	method		TFX determines the Margin Reference
		,,				, , , , , , , , , , , , , , , , , , ,			-
			Non-individual Customers			Historical volatility metho	d		Amount based on the maximum leverage
						Thistorical volutility metho			ratio of 25 times as prescribed in the
			Market Makers	-		Historical volatility metho	d with the limit (f maximum	relevant laws and regulations.
			market makers						
		Equity Index Daily Futures	Customers	-		leverage ratio(x25) Historical volatility metho	d with the limit (fmaximum	(*1)For Transactions by Individual
			Customers						Customers of FX Daily Futures contracts,
		Contracts	Market Makers	-		leverage ratio(x25)	d		
			Market Makers			Historical volatility metho	a		TFX determines the Margin Reference
6.4.2			Customer and	-		1000/4/0	2017/2/27	2010/2/10	Amount based on the maximum leverage
6.4.2	Type of IM model change effect	live date	Customers	-		1996/4/8	2017/2/27	2018/2/19	ratio of 25 times as prescribed in the
6.4.0			Market Makers	-		-		2018/1/26	relevant laws and regulations. TFX has
6.4.3	IM model name			-		SPAN®	-	-	confirmed that the ratio fully covers
6.4.4	IM model name change effectiv			-		-	-	-	confidence level of 99% or more in price
6.4.5	Single-tailed confidence level	Individual Customers				99.00%	(*1)	99.00%	movement data used in stress test with
	targeted	Non-individual Customers an	nd Market Makers				99.00%	99.00%	
6.4.6	Single-tailed confidence level ch	nange effective date]		(*2)	(*2)	(*2)	respect to at least three major currency
6.4.7	Sample/data look-back period f	or calibrating the model		1		6months		24weeks	pairs (USD/JPY, EUR/JPY, AUD/JPY).
		-					104weeks(*3)		
6.4.8	Look back period change effect	ive date		1		(*2)	(*2)	(*2)	(*2)Since TFX adopted the Financial
6.4.9	Adjustments or scalars or weig		data	1		-	-	-	Resources Framework in July 2015, those
6.4.10	Adjustments change effective d					(*2)	(*2)	(*2)	parameters are reviewed once a year as
6.4.11	Close-out/holding periods					1day	1day	()	part of the validation of overall risk
6.4.12	Close-out/holding periods effect	tive date		-		(*2)	(*2)	(*2)	
	IM rates link	Interest Rate Futures Contract	<u></u>	-		https://www.tfx.co.jp/er			management framework.
0.4.15	IN Tates link	Interest Rate Futures Contract	,			inteps.//www.tix.co.jp/ei		s/spparam.mun	
		FX Daily Futures Contracts	Individual Customers			https://www.click365.jp/	/en/start/start06	02.html	(*3)Non-individual Customers and Market
									Makers
			Non-individual Customers and			https://www.click365.jp/	/en/start/start06	html	
			Market Makers						
		Equity Index Daily Futures Cor				https://www.clickkabu36	5.jp/en/start/sta	rt05.html	
							517 7 7 7 7		
6.4.14	Frequency of parameter review	S				monthly	weekly	weekly	
	Frequency of parameter review					(*2)	(*2)	(*2)	
6.5	Results of back-testing of initial	margin. At a minimum, this she	ould include, for each clearing ser	vice and each	initial margin	model applied to that cle			
6.5.1.1	Number of times over the past	12 months that margin coverag	e held against any account fell	2019/1/1	2019/12/31	0	0	40	(Note)(6.5.4)Peak that margin coverage
	below the actual marked-to-ma	arket exposure of that member a	ccount - based on daily back-						held against a clearing member fell below
	testing results		,,						the actual marked-to-market exposure of
6.5.1.2	Frequency of daily back-testing	result measurements		1		daily	daily	daily	that member account - based on daily back
	Time of daily back-testing resul					17:00:00	6:00:00	6:00:00	-
	Number of observations			-		3,594		4,573	resting results
									(Noto)(6 E E) Avorage that marrie any
6.5.3	Achieved coverage level					100.00%	100.00%	99.13%	(Note)(6.5.5)Average that margin coverage
				-					held against a clearing member fell below
6.5.4	Where breaches of initial margi	-	Peak			0	0	394	the actual marked-to-market exposure of
	report on size of uncovered exp			1					that member account - based on daily back
6.5.5	Where breaches of initial margi	-	Average			0	0	36	testing results.
	report on size of uncovered exp								
6.6	Average Total Variation Margin								
	Average Total Variation Margin			2019/10/1	2019/12/31	44	2,079	298	
6.7	Maximum total variation margin								
6.7.1	Maximum total variation margin		· · ·	2019/10/1	2019/12/31	206	10,000	1,012	
6.8	Maximum aggregate initial mar	gin call on any given business d	ay over the period	2010/10/1	2010/12/21		1.015		
6.8.1	Maximum aggregate initial mar	gin call on any given business d	ay over the period	2019/10/1	2019/12/31	24	1,216	88	

							(Unit : Millions of yen)
	Р	rinciple 7 Liquidity Risk	Freq	uency	Clear	ing Service	
Ref.No.	•	Disclosure Description	Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	Comments
7.1	Liquidity Risk						
7.1.1	State whether the clearing serv	ice maintains sufficient liquid resources to 'Cover 1' or 'Cover 2'.	2019/12/31	2019/12/31	4	3	(7.1.1)The number of expected defaulting
_		T					members is defined as one Clearing
7.1.2	Size and composition of	(a) Cash deposited at a central bank of issue of the currency			0	0	Member that would potentially cause the
7.4.0	qualifying liquid resources for	concerned					largest liquidity risk to TFX and several
7.1.3	each clearing service	(b) Cash deposited at other central banks			0	0	Clearing Members with the lowest amount
7.1.4	-	(c) Secured cash deposited at commercial banks (including reverse repo)			0	185,069	of net assets. Interest Rate Futures Contracts : 2mambase / Daily Exturns Contracts :
7.1.5		(d) Unsecured cash deposited at commercial banks			0	0	3members / Daily Futures Contracts : 2members.
7.1.6		(e) secured committed lines of credit (ie those for which			0	0	
		collateral/security will be provided by the CCP if drawn)					(7.1.4)"Secured cash deposited at
		including committed foreign exchange swaps and committed					commercial bank" refers to the cash
7.1.7	_	repos (f) unsecured committed lines of credit (ie which the CCP may draw without providing collateral/security)			29,000	0	deposited at ordinary deposit account or fixed deposit account in commercial bank,
7.1.8		(g) highly marketable collateral held in custody and			0	0	which does not incur any loss at the maturity.
		investments that are readily available and convertible into cash					maturity.
		with prearranged and highly reliable funding arrangements					(7.1.7)The liquidity supply facilities are set
7.1.9		even in extreme but plausible market conditions (h) other			0	0	(7.1.7)The liquidity supply facilities are set with several commercial banks designated

7.1.10	State whether the CCP has routine access to central bank liquidity or facilities			None.	as the Settlement Banks and TFX can utilize
7.1.11				https://www.tfx.co.jp/en/rules/pdf/a1a08_en.pdf	the funds within the same day upon taking
	and any applicable rule, policy, procedure, and governance arrangement around such decision				procedural steps provided in the applicable
	making.				agreements.
7.2	Size and composition of any supplementary liquidity risk resources for each clearing service above	e those quali	ying liquid re	sources above.	
7.2.1	Size and composition of any supplementary liquidity risk resources for each clearing service	-	-	4,053	
	above those qualifying liquid resources in 7.1				

7.3	Liquidity Risk					
7.3.1	Estimated largest same-day and, where relevant, intraday and	SameDayPayment_Total	2019/1/1	2019/12/31	3,225	25,688
	multiday payment obligation ("ELPO") in total that would be	SameDayPayment			3,225	25,688
	caused by the default of any single participant and its affiliates	IntraDayPayment			-	-
	in extreme but plausible market conditions	MultiDayPayment			-	-
7.3.2	Report the number of business days, if any, on which the above	amount exceeded its qualifying			0	0
	liquid resources (identified as in 7.1, and available at the point	the breach occurred), and by				
	how much;No. of days in quarter					
7.3.3	Number of business days, if any, on which the above amount ex	ceeded its qualifying liquid			0	0
	resources (identified as in 7.1, and available at the point the bre	ach occurred), and by how				
	much; Amount of excess on each day					
7.3.4	Actual largest intraday and multiday payment obligation of a	SameDayPayment_Total			192	2,549
	single participant and its affiliates (including transactions	SameDayPayment			192	2,549
	cleared for indirect participants) over the past twelve months;	IntraDayPayment			-	-
	Peak day amount in previous twelve months	MultiDayPayment			-	-
7.3.5	Estimated largest same-day and, where relevant, intraday and r	nultiday payment obligation in			-	-
	each relevant currency that would be caused by the default of a	ny 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 e	exceeded its qualifying liquid			-	-
	resources in each relevant currency (as identified in 7.1 and ava	ilable 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	d in 7.1 and available at the				
	point the breach occurred), and by how much; Amount of exces	s on each day				

	Principle 13 Default rules and Procedures			lency	Clear	ing Service	
Ref.No.		Disclosure Description	Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	Comments
13.1 Quantitative information related to defaults							
13.1.1	Quantitative information	Amount of loss versus amount of initial margin	2019/10/1	2019/12/31	-	-	
13.1.2	related to defaults	Amount of other financial resources used to cover losses			-	-	
13.1.3.		Proportion of client positions closed-out			-	-	
13.1.3.		Proportion of client positions ported			-	-	
13.1.4		Appropriate references to other published material related to			-	-	
		the defaults					

	Principle 14 Segregation and Portability			Clear	ing Service			
Ref.No.	Disclosure Description		End Date	Interest Rate Futures	Daily Futures Contracts	Comments		
Kerino.			End Duce	Contracts	Daily Futures contracts			
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	2019/12/31	2019/12/31	0.00%	100.00%			
14.1.2	Total Client Positions held in omnibus client-only accounts, other than LSOC accounts			100.00%	0.00%			
14.1.3	Total Client Positions held in legally segregated but operationally comingled (LSOC) accounts			0.00%	0.00%			
14.1.4	Total Client Positions held in comingled house and client accounts			0.00%	0.00%			

	Principle15 General Business Risk	Freq	uency	Cleari	ng Service	(Unit : Millions of yen)
Ref.No.		Start Date		Interest Rate Futures Contracts	Daily Futures Contracts	Comments
15.1	General business risk					
15.1.1	Value of liquid net assets funded by equity	2018/4/1	2019/3/31		18,506	
15.1.2	Six months of current operating expenses				1,453(*4)	
15.2	General business risk; Financial Disclosures			·		
15.2.1	Total Revenue (Operating revenue)	2018/4/1	2019/3/31		6,619	(*5) Cash collateral is held on the balance
15.2.2	Total Expenditure (Operating expenditure)				6,855	sheet. Non-Cash collateral is held off the
15.2.3	Profits				-236	balance sheet.
15.2.4	Total Assets				532,342	
15.2.5	Total Liabilities				511,036	
15.2.6	Explain if collateral posted by clearing participants is held on or off the CCP's balance sheet				(*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 clearing services	2018/4/1	2019/3/31		90.17%	(15.3.1) Trading service fees include
15.3.2	Percentage of total income that comes from the reinvestment (or rehypothecation) of assets				0.49%	clearing service fees.
	provided by clearing participants					-
(*4) Six	months of current operating expenses after subtracting the following items.	•		•		•
1. The a	mount of depreciation expence.					

2. Trading service fees received from Market Maker include the incentive program fees (3,083 million yen) to be passed through trading members. Both Total revenue and Total expenditure on the Financial Statements include the incentive program fees.

							(Unit : Millions of yen)
	Principle 16 Custody and Investment Risks		Freq	uency	Clear	ing Service	
Ref.No.	Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	Comments
16.1	Total cash (but not securities) received from participants, regardless	of the form in which it is hel	ld, deposited	or invested, s	plit by whether it was rece	eived as initial margin or default	fund contribution
16.1.1	Initial margin		2019/12/31	2019/12/31	7,538	493,646	
16.1.2	Default fund, received from participants				3,133	15,813	
16.2	How total cash received from participants (16.1) is held/deposited/in	vested, including;		•			
16.2.1	Percentage of this total participant cash held as cash deposits		2019/12/31	2019/12/31	100.00%	100.00%	(16.2.4)"Secured : as cash deposits at
16.2.2	Percentage held : as cash deposits at central banks of issue of the cu	rrency deposited			0.00%	0.00%	commercial banks" refers to the cash
16.2.3	Percentage held : as cash deposits at other central banks				0.00%	0.00%	deposited at ordinary deposit account or
16.2.4	Percentage held : as cash deposits at commercial banks (Secured, ind	cluding through reverse			100.00%	100.00%	fixed deposit account in commercial bank,
16.2.5	Percentage held : as cash deposits at commercial banks (Unsecured)				0.00%	0.00%	which does not incur any loss at the
16.2.6	Percentage held : as cash deposits in money market funds				0.00%	0.00%	,
16.2.7	Percentage held : as cash deposits in other forms				0.00%	0.00%	maturity.
16.2.8	Percentage split by currency of these cash deposits Loca	al currency, JPY			100.00%	100.00%	
16.2.9	Percentage held as cash deposits				100.00%	100.00%	
	Weighted average maturity of these cash deposits and money marke	t funds			(*6)	0.47 years	deposited at ordinary deposit account in
16.2.10	Percentage of total participant cash invested in securities; Domestic s	sovereign government			-	0.00%	commercial banks.
16.2.11	Percentage of total participant cash invested in securities; Other sove	ereign government bonds			-	-	
16.2.12	Percentage invested in : agency bonds				-	-	(16.2.18) Investment is made obeying the
16.2.13	Percentage invested in : state/municipal bonds				-	-	management and operation rules for
16.2.14	Percentage invested in : other instruments				-	-	collateral.
16.2.15	Percentage split by currency of these securities				-	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 po	rtfolio 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	en exceeded			-	-	
16.2.20	Percentage of total participant cash held as securities				0.00%	0.00%	<u> </u>
16.3	Rehypothecation of participant assets (ie non-cash)						
16.3.1	Total value of participant non-cash rehypothecated Initia	al margin	2019/12/31	2019/12/31	-	-	(16.3) Participant assets are not
16.3.2	Total value of participant non-cash rehypothecated Defa	ault fund			-		rehypothecated by TFX.
16.3.3	Maturities Initia	al margin			-	-	
16.3.4	Maturities Defa	ault fund			-	-	

Principle 17 Operational Risk			uency	Clear	ring Service					
Ref.No.	Disclosure Description		End Date	Interest Rate Futures	Daily Futures Contracts	Comments				
				Contracts	Duily Futures contracts					
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	-	-	100.00%	100.00%					
	the system									
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	2019/1/1	2019/12/31	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	2019/1/1	2019/12/31	0	0					
	previous twelve month period									
17.4	Recovery time objective(s)									
17.4.1	Recovery time objective(s) (e.g. within two hours)	-	-	2hours	2hours					

Principle 18 Access and Participation Requirements			Freq	uency	Clear	ing Service				
Ref.No.		Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	Comments		
18.1 Number of clearing members, by clearing service										
18.1.1.1	Number of General clearing me	mbers		2019/12/31	2019/12/31	29	0			
18.1.1.2	Number of Direct clearing mem	bers				1	27			
18.1.1.3	Number of Others category					0	0			
18.1.2.1	Number of Central bank particip	pants				0	0			
18.1.2.2	Number of CCP participants					0	0			
18.1.2.3	Number of Bank participants					12	4			
18.1.2.4	Number of Other participants					18	23			
18.1.3.1	Number of Domestic participant	S				29	25			
18.1.3.2	Number of Foreign participants					1	2			
18.2	Open Position Concentration									
18.2.1	Fewer than 25 members	Largest 5 members	Peak	2019/10/1	2019/12/31	-	-			
			Average			-	-			
18.2.2	25 or more members	Largest 5 members	Peak			73.56%	68.21%			
			Average			68.42%	67.75%			
18.2.3		Largest 10 members	Peak			95.34%	83.48%			
			Average			93.91%	82.85%			
18.3	Initial Margin Concentration									
18.3.1	Fewer than 25 members	Largest 5 members	Peak	2019/10/1	2019/12/31	-	-			
			Average			-	-			
18.3.2	25 or more members	Largest 5 members	Peak			74.19%	77.56%			
			Average			73.49%	77.18%			
18.3.3		Largest 10 members	Peak			91.41%	89.76%			
			Average			90.97%	89.31%			
18.4 Segregated Default Fund Concentration										
18.4.1	Fewer than 25 members	Largest 5 members	Quarter end	2019/12/31	2019/12/31	-	-			
18.4.2	25 or more members	Largest 5 members	Quarter end			16.67%	76.09%			
18.4.3		Largest 10 members	Quarter end			33.33%	92.62%			

Principle 19 Tiered Participation Arrangements			Frequency		Clear	ing Service			
Ref.No.	Disclosure Description		Start Date	End Date	Interest Rate Futures Contracts	Daily Futures Contracts	Comments		
19.1 Tiered participation arrangements, measures of concentration of client clearing									
19.1.1 Number of clients (accounts)	1.1 Number of clients (accounts)			2019/12/31	-	1,255,787			
19.1.2 Number of direct menbers that clear for clients					30	21			
19.1.3.1 Percent of client transactions	Attributable to the top five	Peak			100.00%	79.37%			
19.1.3.2	clearing menbers	Average			95.73%	74.12%			
19.1.4.1	Attributable to the top ten	Peak]		100.00%	94.47%			
19.1.4.2	clearing menbers	Average			100.00%	91.36%			

	(Unit : Millions								
Principle 23 Disclosure of Rules, Key Procedures, and Market Data			Frequency		Clearing Service				
Ref.No.	Disclosure Description		Start Date	End Date	Interest Rate Futures	Daily Futures Contracts		Comments	
Ker.no.	Disclosure Description			Life Date	Contracts	FX	Equity Index		
23.1	Disclosure of rules, key procedures, and market data; Average D								
23.1.1	Average daily volumes			2019/12/31	2,994lots	78,275lots	33,241lots		
23.1.2	Average notional value of trades cleared				299,373	67,250	79,902		
23.2	Segregated Default Fund Concentration								
23.2.1	Gross notional outstanding/total settlement value of novated but not-yet settled securities transactions			2019/12/31	5,853,266	1,338,274	623,468		
23.2.2	Asset class				Interest Rate	FX	Equity Index		
23.2.3	Product type				Futures/Option	Forex	CFD		
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			2019/12/31	2,994lots	78,275lots	33,241lots		
23.3.2	Notional contract values submitted by Execution facility or matching/confirmation venue				0	67,250	79,902		