Outline of Interest Rate Swaps Clearing (Draft)

March 1, 2012 Japan Securities Clearing Corporation

Item#	Description	Remarks
Item # 1. Eligible Trades for Clearing	 Description To be eligible for clearing, Interest Rate Swaps (IRS) trades must satisfy all of the following requirements: i Executed in accordance with Master Agreement and Definitions that are stipulated by the International Swaps and Derivatives Association, Inc. (hereinafter referred to as 'ISDA'). ii Affirmed by methods prescribed by Japan Securities Clearing Corporation (hereinafter referred to as 'JSCC'). iii Conducted between clearing participants of JSCC, and they agree to use the IRS clearing services provided by JSCC. iv Swap type of Fixed - Floating or Floating - Floating. v Floating Rate of JPY Libor published by British Bankers' Association. 	Remarks The possible expansion of the range of the eligible products will be considered on an ongoing basis, based on the needs from clearing participants and the framework for risk management. ISDA 2000 or 2006 Definitions. Shall be a trade which is affirmed by MarkitWire provided by MarkitSERV at the outset. Includes trades conducted based on the Brokerage for Clearing of securities, etc.
	vi Floating Period of 3 months or 6 months.	Floating Rate to TIBOR published by Japanese Bankers Association as soon as possible. Will continue the consideration to extend the eligible Floating Period (e.g., of 1 month) as soon as possible. Either of Front Stub or Back Stub is available with Short or Long Stub.

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	vii Yen-dominated.	
	viii Minimum Contract Term - the number of days from the start date through the	
	end date - is 28 days or more.	
	ix Minimum Contract Residual Term - the number of days from the date of the	
	request for clearing through the end date - is more than or equal to 3 days but	
	not exceeding 14,623 days	
	x The Notional Amount is more than or equal to JPY 1 but no more than JPY 10	
	Trillion.	
	xi Day Count is on ACT/360 for Floating Rate, on a method stipulated by ISDA	
	Definitions for Fixed Rate.	
	xii Business Day Convention is either Following, Modified Following, or	
	Preceding.	
	xiii Financial Center for Payment is Tokyo.	In addition to Tokyo, London, New York, and/or
		TARGET(the Trans-European Automated Real-time
		Gross settlement Express Transfer System) can be
	xiv Financial Center for Rate Fixing is London.	added as Financial Center.
	xv Satisfies any other requirements prescribed by JSCC.	
	• Existing trades shall also be made eligible for clearing if they satisfy the above	
	requirements.	
2. Business Day	JSCC Business Day shall be in accordance with business days in Japan.	
3. Clearing Participant		

	Item#		Description		Remarks
(1).	System Clearing Qualification	•	Clearing Qualification for IRS (hereinafter referred to as IRS Clearing Qualification) will be newly instituted. Participants who obtained the qualification shall be regarded as Clearing Participants for IRS (hereinafter referred to as IRS Clearing Participant).	•	IRS Clearing Qualification shall be treated as a different qualification from existing JSCC's Clearing Qualifications (those for cash products, individual equity options, JGB futures/options and Index futures/options, and CDS). No classification by category of Principal/Agency Clearing Qualification shall apply.
(2).	Requirements for Obtaining/ Maintaining Clearing Qualification	i	Applicants who satisfy all of the following requirements can obtain IRS Clearing Qualification due approval by JSCC. Financial Instruments Business Operator or a Registered Financial Institution	•	Foreign corporations which have branches in Japan are also included. For a while, however, IRS Clearing Qualification shall not be granted to U.S. corporations. Once the new regulatory environment under the Dodd-Frank law becomes clear in U.S., granting of the Qualification will be considered. Further widening clearing participants' scope of business (review on i. in the left column) will continue to be discussed, determining risk management-related issues such as being able to obtain information necessary for risk management (financials or default-related

Item#	Descr	ription		Remarks
				information etc.) in a timely manner.
	ii Applicant Clearing Participant shal	l satisfy the financial criteria as set forth	• '	The criteria of creditworthiness will be comprehensively
	hereinafter and a stable capacity to	earn profits shall be expected; provided,		evaluated with one of Applicant's ratings being higher
	however, that in case Applicant Cle	earing Participant's parent company, etc.		than the equivalent of A (its parent company's rating
	who satisfies the criteria of net capi	tal and creditworthiness guarantees		being higher than the equivalent of A+ in case Applicant
	Applicant Clearing Participant, the	criteria of net capital shall be no less than		is not rated) as one of the measuring factors.
	JPY 50 Billion and the criteria of cr	reditworthiness shall not apply. In the	•]	Ratings shall be long-term debt ratings (excluding
	case where the relevant parent com	pany, etc. also satisfies the criteria of		so-called 'unsolicited ratings) as assigned by one of the
	Capital-to-Risk ratio (capital adequ	acy ratio, solvency margin ratio) in		following credit rating agencies: Rating & Investment
	addition to the criteria of net capital	l and creditworthiness, the criteria of net		Information, Inc., Japan Credit Rating Agency, Ltd.,
	capital shall be no less than JPY 50	Billion and the criteria of creditworthiness		Moody's Investors Services, Inc., Moody's SF Japan,
	and Capital-to-Risk ratio (capital ac	dequacy ratio, solvency margin ratio) shall		Standard & Poor's, and Fitch Ratings (including those
	not apply.			agencies' specified affiliates).
				"Parent company" refers to the company that dominates
				decisions on another company's corporate financial as
	[Criteria for Financial Instruments l	Business Operators]		well as business policies and includes the parent company
	Item Criteria	Item Criteria		of such companies.
	Net Capital (Note 1)	No less than JPY 100 Billion	•	The guarantee provided by the parent company shall
	Net Capital Capital-to-Risk			cover the participant's entire obligation to JSCC related
	ratio	200%+		to IRS Clearing Qualification and losses incurred by
	(Notes 2 and 3)			JSCC in association with default Qualification and losses
	Creditworthiness	A certain level of creditworthiness		incurred by JSCC in association with default procedures
	[Criteria for Registered Financial In	stitutions]		for Clearing Participant who receives such guarantee, and

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	Item Criteria	Item Criteria	a credit line shall not be set for such guarantee.
	Net Capital (Note 1)	No less than JPY 100 Billion	In calculating the net capital criteria related to Parent
	Capital Adequacy ratio	International: Over 8%	Company that provides guarantee, the net capital noted in
	(Notes 3, 4, and 5)	Domestic: Over 4%	the left column shall be multiplied by the number of
	Solvency Margin ratio	400%+	participants guaranteed by Parent Company (The
	(Notes 3 and 6)	400%+	guaranteeing Parent Company will be added if it is a
	Creditworthiness	A certain level of creditworthiness	Clearing Participant).
	(Note 1) In the case of Financial I	nstruments Business Operators, the amount	The "parent company etc." shall be the parent company or
	of net capital in Capital-to	o-Risk ratio, and in the case of Registered	the parent company's subsidiary (refers to the company
	Financial Institutions, the	amount of net capital under regulations	whose decision of corporate financial as well as business
	regarding capital adequac	y ratio.	policies is controlled by another company and includes its
	_	er so called "downstream regulation,"	subsidiary).
		to-Risk ratio, and consolidated	
	Capital-to-Risk ratio.		
	(Note 3) In cases where ISCC dee	ems it necessary after having considered the	
	·	aring Participant, 1.25 times value shall be	considered the creditworthiness of a Clearing Participant'
	applied as the standard va	•	noted in (Note 3) will be comprehensively evaluated with
	**	nancial Institutions that are not insurance	the lowest of Clearing Participant's ratings being lower
	companies.		than the equivalent of A (its parent company's lowest
	(Note 5) International criteria app	ly to financial institutions that have business	rating being lower than the equivalent of A+ in case
	locations overseas. Don	nestic criteria apply to financial institutions	Clearing Participant is not rated) as one of the measuring
	that have no business loca	ations overseas.	factors.
	(Note 6) Applies to insurance con	npanies.	
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Item#	Description	Remarks
	• An applicant company that has an appropriate management and business execution structure. One of the requirements for the business-execution structure is to be able to participate in the procedures for the settlement of a defaulting Clearing Participant's portfolio. In order to support this, a participant or a company group that includes the participant should retain its IRS portfolio of JPY 10 Trillion or more. In the case where the amount of IRS portfolio is calculated for a company group that includes the participant, JPY 10 Trillion will be multiplied by the number of clearing participant(s) in the company group.	Allows Applicant to have business operation in place which allows it to participate in the procedure for settlement of the defaulting clearing participant's portfolio; in this case, the defaulting clearing participant should have defaulted due to the necessary cooperative relationship developed through Trader etc. abroad in the group with the trading functionality.
	• Requirements for maintaining IRS Clearing Qualifications shall be the same as the requirements for obtaining qualification, as noted above; provided, however, that with regard to the criteria of the creditworthiness, in cases where JSCC deems it necessary after having considered the creditworthiness of a Clearing Participant, it shall take measures of additional Initial Margin and renunciation of the IRS Clearing Qualification depending on the creditworthiness of such Clearing Participant.	See Annex 1, for more information on the concrete standard of additional Initial Margin as well as renunciation of clearing qualification after having considered the creditworthiness of a Clearing Participant.
(3). Obligation of IRS Clearing Participants	 Reporting obligations as per followings are applied to the Clearing Participants: in case of suspension of business, liquidation of the organization in case of insolvency, unable to meet with the conditions for maintaining the Clearing Qualification 	

Item#	Description	Remarks
	 In case of preparing the financial statement etc. In case of default by another clearing participant, clearing participants bear obligation to participate in the default management procedure for disposal of the defaulting clearing participant's portfolio. 	See Item #17, for more information on procedure for settlement of portfolio.
(4). Renunciation of Clearing Qualification	 When a clearing participant intends to renounce its clearing qualification, the clearing participant shall submit an application for renunciation of its clearing qualification to JSCC. Renunciation of clearing qualification shall take effect after 30 calendar days 	 JSCC will publish such application for renunciation. See Reference 1, for more information on when the
	since the day of application or at the close of Clearing Participant's position, whichever later.	qualification renunciation will take effect. • See the remarks column in Item#16.(7) for more
	Clearing Participant whose qualification has been renounced shall perform all obligations it owes to JSCC by the day JSCC specifies after the IRS Clearing Qualification renunciation.	information on handling of the Clearing Participant's default that occurred after an application for renunciation of qualification is submitted.
		 In case the amount of special clearing charge etc. is not yet determined in the loss compensation scheme (See Item #16), the approximate amount shall be deposited to JSCC and the difference be paid/received after the relevant amount has been determined). If a Clearing Participant discharges all obligations it owes to JSCC, JSCC shall return the Clearing Fund without delay.

Item#	Description	Remarks
(5). Measures etc., against Clearing Participants	JSCC shall be able to take the following measures against Clearing Participants. i Suspension of Bearing Obligations, renunciation of Clearing Qualification due to a violation of regulations, etc.	 In cases where JSCC takes the measure I., JSCC shall provide notices or make announcements to other clearing participants. In cases where unsettled contracts could not be resolved within a certain period in the Clearing Qualification renunciation procedures, such position shall be put up for auction.
	 ii Request for a report when a Clearing Participant has excessive positions, take measures including increasing the collateral amount, instruct to improve positions, and suspend Bearing Obligations. iii Regulatory measures related to collateral (reduction of haircut for substitute securities) iv Request for documents or inspection, etc. when deemed necessary for clearing operations 	
4. Clearing Brokerage	 Clearing Brokerage will be introduced in order to allow Clearing Participant to utilize JSCC in a trade handled by their client. Trades eligible for clearing brokerage shall also be IRS trades eligible for Clearing Brokerage 	By utilizing Clearing Brokerage, an overseas booking trade can be cleared as a client trade by JSCC.

	Item#		Description		Remarks
(1).	Scope of Clearing Entruster	•	At the outset of the clearing service, the scope of clients who can entrust clearing brokerage - Clearing Entruster - will be limited to companies that are part of the same corporate group as the corporate group the clearing participant belongs to (Affiliate Clearing).		
(2).	Requirements for Clearing Entruster	•	Shall follow the procedure in (3). below. Shall be a user of MarkitWire.		
(3).	Basic Process Related to Clearing Brokerage	•	Whenever Clearing Participant tries to accept Clearing Brokerage on trust, Clearing Participant shall preliminarily conclude Clearing Trustee Agreement, stipulated by JSCC, with their Client, the Entruster. Whenever Clearing Participant tries to conclude Clearing Trustee Agreement, Clearing Participant shall report to JSCC the content of the Agreement and other necessary matters. Clearing Entruster shall submit to JSCC a written pledge through Clearing Participant who concluded Clearing Trustee Agreement (Trustee Participant), stating that Clearing Participant shall comply with the rules of JSCC.		JSCC will stipulate the forms of documentation for the Clearing Trustee Agreement. JSCC will stipulate the form of documentation for the written pledge.
(4).	Separate Management of Clients' Position	•	JSCC shall manage positions related to Clearing Participant's trades, separating Client's Clearing Brokerage trades (hereinafter referred to as 'Client trade') from Clearing Participant's Proprietary trades (hereinafter referred to as 'Proprietary trade').	•	Positions will be separately managed in Clearing Participant's account. See Item #5.

Item#	Description	Remarks
(5). Direct Deposit of IM Related to Client's Trades	• The client shall deposit IM to Clearing Participant to whom Clearing Entruster has entrusted for Clearing Brokerage. Clearing Participant shall then deposit the whole amount of IM deposited by the client to JSCC as a proxy to the relevant client (Direct Deposit).	Will establish the same direct depositary scheme as the Exchange Traded Derivatives products as well as CDS trades.
	 The amount of IM Client is to deposit shall be equal to/more than the requirement calculated by JSCC according to the relevant client's position. JSCC shall manage IM related to Clearing Participant's Client trades separately from IM related to Clearing Participant's Proprietary trades. 	The requirement for IM related to a Client trade shall be calculated in the same manner as a Proprietary trade.
(6). Replacement Deposits of IM Related to Clients' Trades	 Apart from the 'Direct Deposit' of IM, Clearing Participant will be able to have Client deposit IM for clearing brokerage, with the consent of the relevant Client. In the case where Client deposited IM for clearing brokerage to Clearing Participant, Clearing Participant must deposit as IM the amount equal to or more than IM for clearing brokerage deposited by the relevant Client from their own money to JSCC (Replacement Deposit). 	The range of the substitute securities of IM for clearing brokerage shall be the same as IM, etc. (JGB or US Treasuries)
	 Clearing Participant must manage the situation of IM for clearing brokerage deposited by Client per client. 	The IM for clearing brokerage deposited to the Clearing Participants shall be stored under the responsibility of the relevant Clearing Participant.
(7). Claim for Refund of Initial Margin	• The following parties shall have the claim of refund of IM that was deposited to JSCC by Client in relation to Clearing Participant's Client trade on the following parts, with limits of the sum of IM for Direct Deposit of and IM for clearing brokerage out of the amount that was deposited as replacement with IM for	

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	clearing brokerage to JSCC (hereinafter referred to as 'Total Deposit by	
	Client'):	
	i Client	
	The deduction of the amount equivalent to the unfulfilled obligation the	
	relevant Client owes to Clearing Participant from Total Deposit by Client	
	related to the relevant Client	
	ii Clearing Participant	
	The deduction of i. above and the amount equivalent to the obligation	
	unfulfilled by Clearing Participant and borne to JSCC related to the relevant	
	Client's Client trade from Total Deposit by Client.	
	The claim for refund of IM Client has shall be exercised by Clearing Participant	
	as a proxy to the relevant Client.	
(8) Receipt and Payment	VM related to the client trade, interest for VM Coupon, and Up-front fees will	
of VM related to	be paid and received between clients and Clearing Participants.	
Clients' Trade		
(9) Intraday-Margin	The client shall deposit Intraday Margin related to the clients' trades as IM or	The required amount for Intraday-Margin related to the
related to the Clients'	IM for clearing brokerage to the relevant Clearing Participant.	client's trade shall be calculated in the same way as the
Trades		proprietary trades.
5. Account Concept	Clearing Participant will have an account in JSCC for recording IRS trades	
	of which Clearing Participant bore obligation (hereinafter referred to as	
	'Clearing Participant Account').	

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	 Clearing Participant Account is consisted of an account for recording Clearing Participant's Proprietary trades (hereinafter referred to as 'Proprietary account') and account for recording Client (Clearing Entruster) trades per Client (hereinafter referred to as 'Client account'). Requirement for collateral such as IM, Intra-Day Margin, and Variation Margin (hereinafter referred to as 'VM') will be calculated per Proprietary/Client account. Clearing Participant will report in advance to JSCC the information regarding Clearing Participant accounts. 	 Client account will be established per Client. For both a Proprietary account and a Client account, it will be allowed to separate the relevant account into several pieces (hereinafter referred to as 'Separate account'). Also, in the case of Separate account, IM will be calculated by summing up positions for each Proprietary/Client account.
6. Bearing Obligations(1). Application for Bearing Obligations	 Application for obligation bearing will be made by registering information related to the application for obligation bearing on MarkitWire. Each of both parties of the trade of which they try to make an application for obligation bearing will make an application for obligation bearing. 	Register "Send for Clearing (JSCC)" on MarkitWire.
(2). Process for Obligation Bearing	JSCC will process obligation bearing as noted in I. and II. below:	Obligation bearing allows a new trade to be established between both parties of the trade eligible for obligation bearing, Clearing Participant and JSCC; conditional upon this, the trade eligible for obligation bearing between the relevant clearing participants will be terminated by

	Item#	Description	Remarks
I.	Process for Obligation Bearing on the Day	 JSCC will bear obligation for the trade where an application for obligation bearing was made between 16:00 on the previous business day and noon on the day of obligation bearing, if the fact that all the following requirements are satisfied has been confirmed: Satisfies all the requirements for a trade eligible for clearing. The day of obligation bearing or the following business day does neither fall upon the interest date nor on the up-front settlement date. All the clearing participants have resolved any shortage of collateral 	consent. If any trade is deemed that it carries an extremely huge risk of obligation bearing anew, JSCC will be able to choose not to bear obligation of the relevant trade. The obligation bearing procedures will be processed twice in a day. Backloading trades (trades that elapsed 10 business days or longer as of the date on which JSCC received the application for obligation bearing) are not eligible for obligation bearing on the day.
П.	Process for Obligation Bearing on the Following Day	 following the Intra-Day Margin. JSCC will confirm by 15:30 that all the above requirements are satisfied. In case no confirmation can be made that those requirements are satisfied as of 15:30, obligation bearing will not be handled on the day. JSCC will bear obligation for the trade an application for obligation bearing was made between noon and 16:00 on the day of obligation bearing, if the fact that all the following requirements are satisfied has been confirmed: Satisfies all the requirements for a trade eligible for clearing. The following business day or the business day after does neither fall upon 	 Even in the case noted in the left column, obligation bearing can be tentatively handled on the day, if JSCC deems it appropriate. Backloading trades of which application for obligation bearing has been made until 16:00, irrespective of the timing of the application for obligation bearing as noted in the left column, will become eligible for obligation bearing on the following day.

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		the interest date nor on the up-front settlement date. iii All the clearing participants, on the following business day, have resolved any shortage of collateral following the end of day IM calculation, and also completed deposit of required VM. • JSCC will confirm by noon on the following business day that all the above requirements are satisfied. In case no confirmation can be made that those requirements are satisfied as of noon on the following day, obligation bearing including the relevant trade will not be handled on the following day.	• Even in the case noted in the left column, obligation bearing can be tentatively handled on the following day, if JSCC deems it appropriate.
	nitial Margin		
` '	Methodology		
I.	Basic Concept	• The required amount of Initial Margin (hereinafter referred to as 'IM') shall be the expected amount of loss arising from the change in yield curves, in a case of a clearing participant's default, until the completion of the default management process of the relevant participant's position.	 JSCC to calculate and notify Clearing Participants of IM. Clearing Participant shall deposit the sum of the required amount of IM both for proprietary and each client (affiliate) portfolios.
II.	Calculation Methodology	• The requirement for IM shall be the amount that will cover the maximum loss for the change in net present value (hereinafter referred to as 'NPV') calculated by varying the current day's market data using scenarios composed for each IRS clearing participant's position (including trades subject for obligation bearing)	• In order to reflect the level of volatility in the latest market on the change in market data, the data will be adjusted over the reference period using the method of EWMA (Exponentially Weighted Moving Average) (See

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	as of 16:00 on each business day based on market data over the 5 days (Time Horizon) in the past 1,250 days (reference period).	Annex 2).
(2). Yield Curve to Be Used in Calculation	Will use the yield curve JSCC calculated as of 15:02.	Same as the yield curve used to calculate VM.
(3). Additional IM according to Liquidity	JSCC will require additional collateral according to the size of position held by IRS Clearing Participant.	Additional collateral will be calculated depending on the required amount of IM. See Annex 3, for more information on specific application standard and multiplier.
(4). Deposit of IM	 In cases of shortfall in IM deposit, the additional collateral shall be deposited to compensate such shortfall by noon on the business day after the shortfall has occurred (the calculation date). IM can be deposited by substitute securities (JGB and US Treasury) in addition to cash (Japanese Yen). 	Hair-cut will be set on substitute securities, based on the change in price.
Variation Margin (1). Calculation Methodology	 VM is the variance between NPV calculated using the current day's yield curve and NPV calculated using the previous day's yield curve, composed for each IRS clearing participant's position (including trades subject for obligation bearing) as of 16:00 on each business day. 	JSCC to calculate and notify Clearing Participants of VM.
(2). Yield Curves to Be		

	Item#	Description	Remarks
	Used to Calculate NPV		
I.	Yield Curves a. Forward Curve	JSCC will calculate Forward Curve by obtaining quotes as of 15:02, for the grid points specified by JSCC, submitted by each broker/dealer and Designated Clearing Participant regarding the Quotes Submission.	 See Annex 4, for more information on the grid points. Quotes will be obtained from the screen provided by Thomson Reuters. See Annex 5, for more information on the quotes submission. A timing for adopting the quotes that will provide a base for calculation of Yield Curves will be set in the same timing as the close of the session for JGB. (This will apply to the following b.)
	b. Discount Curve	 OIS (Overnight Index Swap) curve will be used for Discount Curve to calculate VM. All clearing participants shall submit to JSCC the quotes as of 15:02 for the grid points specified by JSCC. JSCC will calculate Discount Curve based on the quotes submitted. 	See Annex 6, for more information on Grid Points.
II.	Data Cleansing	The smallest and largest IRS data will be excluded from the quotes submitted and the average value will be worked out.	JSCC will adjust any abnormal values found on each grid point.
III.	Interpolation of Grid Points	Interpolation using logarithmic cubic spline.	
IV.	Mechanism for Ensuring Credibility of	The mechanism for ensuring credibility of quotes submitted will be introduced.	 See Annex 5 for more information on the quotes submission. See Annex 5, for more information on the mechanism for

Item#	Description	Remarks
Quotes (3). Settlement of VM	 IRS Clearing Participant will pay/receive VM to/from JSCC by cash. Paying Clearing Participant in VM will pay to JSCC by noon on the following business day after the notification by JSCC. Receiving Clearing Participant in VM will receive by JSCC after 13:30 on the same day. 	 ensuring credibility of quotes submitted. The first 9month after the start of the business will not be subject to the relevant scheme, as the period for reviewing the framework based on the familiarity of submission of quotes and the status quo of the business (Dry Run Period). In respect with VM, interest based on Mutan Rate (Uncollateralized Overnight Call Rate (average)) published by Bank of Japan will be added; that interest shall be calculated and settled daily on a portfolio basis. Clearing Participant who pays VM to JSCC shall receive that interest from JSCC while Clearing Participant who receives VM from JSCC will pay that interest to JSCC.
(4). Coupon Treatment	• In order to offset the coupon payment and the change of NPV(VM) related to the relevant coupon payment on the coupon settlement day, VM on the business day before the coupon payment day will be calculated regarding NPV related to the relevant coupon as zero.	
9. Intra-Day Margin		
(1). Calculation	Intra-Day Margin (hereinafter referred to as 'IDM') shall be the amount	
Methodology	calculated by adding/subtracting IM recalculated for each IRS Clearing	
	Participant's position as of noon on each business day (including trades	

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	expected for obligation bearing) using the latest market data to/from the amount equivalent to VM recalculated for that position using the latest market data (the changes in NPV from the point of the VM calculation on the previous business day to the point of the calculation of the relevant Intra-Day Margin).	
(2). Yield Curves to Be Used to Calculate IDMn	The yield curves calculated by JSCC as of 11:02 will be used.	 Calculated in the same way as the yield curves used to calculate VM.(Shall be the same as VM for the quotes submission – See Annex 5) A timing for adopting the quotes which will provide a base for calculation of Yield Curves will be set in the same timing as the close of the morning session for JGB.
(3). Deposit of IDM	 Intra-Day Margin shall be deposited as IM. In cases of shortfall in IM deposit against the required amount of IDM, the additional collateral shall be deposited to compensate such shortfall by 15:30 on the day on which such shortfall has occurred (the calculation date). IDM can be deposited by substitute securities (JGB and US Treasury) in addition to cash (Japanese Yen). 	 IM deposit here will be regarded as that of IDM. Hair-cut will be set on substitute securities, based on the change in price.

Item#	Description	Remarks
10. Ad Hoc Deposit of	JSCC will be able to calculate the required amount of IM and VM or IDM on ad	
IM etc. in the Event	hoc basis and require clearing participants to deposit those margins, when JSCC	
of Sudden Change in	deems it necessary, such as a case of sudden change in market data.	
Market Data, etc.		
11. Clearing Fund		
(1). Purpose of Clearing	Regarding IRS trades, IRS Clearing Participants shall be required to make a	
Fund	deposit of Clearing Fund in order to secure the risk that is not covered by the	
	margin which is deposited by IRS Clearing Participants.	
(2). Required Amount of	The required amount of Clearing Fund shall be an amount that can cover the	Calculation and notification related to Clearing Fund shall
Clearing Fund	loss produced as a result of insufficiency of margins deposited by IRS Clearing	be conducted by JSCC.
	Participants caused by multiple IRS Clearing Participants default due to extreme	
	but plausible market conditions (stress conditions)	
	Specifically, the required amount of Clearing Fund shall be the amount where	The minimum required amount shall be JPY 100 million.
	the sum of the top 2 companies in the excess amount of the IM out of the	The amount of loss caused by default by a Clearing
	estimated loss in case of default by a Clearing Participant under the stress	Participant under the stress condition shall be the largest
	condition ("Risk Amount Exceeding the Collateral") is proportioned according	loss of which the loss is estimated in the six types of
	to the IM requirement (If the relevant amount falls below the minimum required	scenarios which were generated by combinations of the
	amount, the minimum required amount shall be applied).	most severe fluctuations that the market has ever
		experienced (Refer to Annex 7) with taking into account
		the main composition element of the yield curve extracted
		from the historical interest changes by using the principal
		component analysis

	Item #		Description		Remarks
(3).	Deposit of the	•	The required amount of the Clearing Fund shall be calculated one day before the	•	Appropriate hair cut rates will be applied to Securities in
	Clearing Fund		last business day each week.		Lieu of Cash for collateral, taking into account of the
		•	In case any insufficiency has occurred for the Clearing Fund, the additional		price fluctuation
			deposit shall be transferred by 2:00 pm on the following business day.		
		•	As for the Clearing Fund, the deposit using the securities in lieu of cash		
			(Japanese Government Bond and U.S. Treasury) in addition to JPY will be made		
			possible.		
12.	Rate Reset	•	For BBA Libor, the interest rate as of 11:00 am London time on the two London		
			banking business days before the Reset Date, that will be indicated on the		
			Reuters Screen (LIBOR01) will be adopted.		
12	Method of				
13.					
	Settlement (1) Settlement	•	In magnest of the magning or may magnest of each between Classics Posticinants and		To asin agreement from the Doubt of Janon will be
	(1). Settlement Method		In respect of the receipt or payment of cash between Clearing Participants and JSCC, for VM, the Interest for VM (PAI), Coupon, and Up-front fee		To gain agreement from the Bank of Japan will be condition precedent over the usage of BOJ Net.
	Memod		(hereinafter, referred to as 'settlement amount'), the delivery will be conducted		condition precedent over the usage of BOJ Net.
			through account transfer with BOJ Net.		
	(2). Netting		With regard to the daily settlement amount for IRS trades, the clearing		
	(2). Netting		participants will deliver the amount after netting with JSCC if the settlement day		
			falls on the same day.		
14	Deposit and Return		rans on the same day.		
17.	of Collateral				
			Clearing Participants may deposit Japanese Yen or Securities in Lieu of Cash as		VM may be covered only by cash and no Securities in
	(1). Type of	•	Clearing Participants may deposit Japanese 1en of Securities in Lieu of Cash as	•	vivi may be covered only by cash and no securities in

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It	tem#		Description		Remarks
C	Collateral		IM, Intraday Margin, and Clearing Fund		Lieu of Cash are allowed for its deposit.
(2). C	Collateral in	•	Delivery and return of Japanese Yen deposits for IM, Intraday Margin and	•	VM may be settled through account transfer with BOJ
C	Cash		Clearing Fund between the Clearing Participants and JSCC may be settled		Net. (See Item #12 (1))
			through account transfer between the Clearing Participant's bank a/c and the		
			JSCC's a/c opened with commercial bank.		
(3). In	nterest on	•	As for the interest accrued for IM, Intraday Margin and Clearing Fund, JSCC	•	Considering the current interest rate environment, the
C	Collateral in		will continue to proceed with research and studies on cases of management		profit generated from the management is extremely
C	Cash		methodology/framework, etc, will be continuously examined and researched,		limited.
			and the details of management methodology and the framework will be then		
			discussed prior to the start of the service.		
(4). S	Securities in	•	Eligible Securities in Lieu of Cash for collateral are Japanese Government Bond	•	Appropriate hair cut rates will be applied to Securities in
L	Lieu of Cash		(hereinafter, referred to as 'JGB') and U.S. Treasury.		Lieu of Cash for collateral, taking into account of the
		•	JGB will be delivered through JGB Book Entry System between the Clearing		price fluctuation.
			Participant's a/c and JSCC's a/c used for JGB Book Entry System with BOJ.		
		•	U.S. Treasuries will be delivered through Fed-Wire and transferred from the		
			Clearing Participant's a/c held with the local custodian to JSCC's a/c held with		
			the local custodian.		
15. De-cle	ear	•	Clearing participants can de-clear trades (the relevant trade is de-cleared from		
			JSCC and returned to the original trade between the parties) by requesting		
			through MarkitWire		
		•	As for the trade where an application for the de-clear is submitted between 4:00		
			pm on the previous business day and 11:30 am on the current day, JSCC will		

Item#	Description	Remarks
	de-clear when confirming that any shortfall in Intraday Margin is filled in the	
	obligation bearing procedure on the current day	
	As for the trade where an application for the de-clear is submitted between	
	11:30 am and 4:00 pm on the current day, JSCC will de-clear when confirming	
	that the shortfall in the IM is filled in the obligation bearing procedure on the	
	following day and the VM is deposited.	
16. Loss Compensation	In order to avoid the systemic risk caused by default of JSCC, any loss to JSCC	Based on the (CPSS/IOSCO) Recommendations
Scheme	caused by the default of Clearing Participant should be compensated according	(Recommendation 5: Financial resources), JSCC shall
(1). Financial Resources	to the following order.	regularly inspect the loss compensation resources for
for Loss	(First tier) Margin / Clearing Fund deposited by the defaulting Clearing	Clearing Participant's default.
Compensation	Participant.	Non-defaulting Clearing Participants shall mean the
	(Second tier) Compensation by JSCC	Clearing Participants other than the defaulting Clearing
	(Third tier) Clearing Fund deposited by the Non-defaulting Clearing Participants	Participant.
	(Limited to the Clearing Fund related to IRS business only)	Clearing fund is limited to Clearing fund related to IRS
	(Fourth tier) Special Clearing Charge collected from Non-defaulting Clearing	business, (hereinafter, the same will apply)
	Participants.	The Clearing Participants who are to receive VM, etc,
	(Fifth tier) Compensation by clearing participants who are to receive VM, etc.	shall mean the receiving Clearing Participants of VM in
		terms of cumulative amount after the default. (hereinafter,
		the same will apply)
		VM, etc shall be consisted of VM, interest for VM,
		Coupon and Up-front fee (hereinafter, the same will
		apply).

Item#		Description		Remarks
	•	With the commencement of IRS clearing business, JSCC will set aside certain		
		amount as the amount of loss compensation by JSCC respectively in the second		
		and third tier.		
	•	In addition, JSCC, in the second tier, shall accumulate the resources used for the	•	A certain amount to be secured is expected to be JPY 2
		compensation from an equivalent amount to the profit related to IRS clearing		billion respectively.
		business, which will provide for the financial resources in addition to a certain		
		amount secured at the launch of the business. JSCC, in the second tier, shall		
(2). Handling of		compensate the loss by using those accumulated amount and the amount secured		
Compensation by		at the launch of the business as the financial resources.		
Non-Defaulting				
Clearing	•	When the loss is compensated by using the third tier of loss compensation		
Participants'		resources, Non-defaulting Clearing Participants and JSCC shall compensate the		
Clearing Fund		amount calculated by dividing the loss by the required amount of Clearing Fund		
		of Non-defaulting Clearing participants and the amount of financial resources	•	JSCC shall bear the amount which is proportioned to
		compensated by JSCC on a pro rata basis.		JSCC.
	•	With regard to the proportioned amount as the compensation by the		
		Non-defaulting Clearing Participants, each Non-defaulting Clearing Participant		
		shall bear the amount calculated by prorating the required amount of Clearing		
		Fund for each Non-defaulting Clearing Participant.		
	•	Clearing Fund of each Non-defaulting Clearing Participants shall be used for the		
		default which occurred during 30 calendar days period from the first default. (If		
		the default occurs during the relevant period, the relevant period will be		
		extended to another 30 calendar days from subsequent default. The same will		

Item#	Description	Remarks
	apply to the default that might occur subsequently ("Period with a cap")). The	
	loss compensation by Non-defaulting Clearing Participants shall be limited to	
	the required amount of Clearing Fund of each Non-defaulting Clearing	
	Participants in the first default.	
	• In case the loss is compensated by using Clearing Fund, the deposited amount	
	shall be replenished up to the required amount of Clearing Fund as of the day	
	when Clearing Fund is used, at the end of the period with a cap.	
	Clearing Fund of winning Clearing Participant at the auction related to the	
	position by the Defaulting Clearing Participant shall be used after Clearing Fund	
	of other Clearing Participants are used. Also, All of Clearing Fund of Clearing	
	Participants who did not make a bid at the auction shall be used before Clearing	The preferential use of Clearing Fund depending on the
	Fund of other Clearing Participants is used.	bidding price, aiming at preventing "a bid with a
		extremely bad price in an attempt not to win the bid"
(3). Handling of Special	• In case where the loss incurred due to the default of Clearing Participant	from occurring, will be continuously discussed
Clearing Charge	exceeds the sum of the first, second and third tier of loss compensation	considering the progress of the discussions at other CCPs
Collected from	resources, Non-defaulting Clearing Participants shall compensate the loss by	(See the remarks column in Item #17 (5))
Non-Defaulting	using the Special Clearing Charge.	
Clearing	Special Clearing Charge collected from Non-Defaulting Clearing Participants	
Participants	shall be the amount calculated by dividing the required amount of Clearing	
	Fund of each Non-defaulting Clearing Participant on a pro rata basis.	
	Compensation by Special Clearing Charge by each Non-defaulting Clearing	
	Participant for the default that occurred during the period with a cap is limited to	
	the required amount of Clearing Fund of each Non-defaulting Clearing	

Item#		Description		Remarks
		Participants in the first default.		
(4). Handling of	•	In case where the loss incurred by JSCC due to the default of Clearing	•	The amount compensated by the Recipient Clearing
Compensation by		Participant exceeds the sum of the first, second, third and fourth tier of loss		Participant shall be Special Clearing Charge.
Recipient Clearing		compensation resources, the loss shall be compensated by Recipient Clearing		
Participants of		Participants of VM, etc.		
Variation Margin,	•	Recipient Clearing Participant shall compensate the amount calculated by		
etc.		dividing such excess amount of the sum of gained VM (hereinafter referred to as		
		'the sum of gained VM') on a pro rata basis. In this case, the sum of		
		compensation amount by each Recipient Clearing Participant shall be limited to		
		the amount calculated by dividing the sum of the loss of VM, etc, by defaulting		
		Clearing Participant on a pro rata basis after such default.		
(5). Deposit of the	•	During the period with a Cap, As for Clearing Fund, the required amount of	•	The result of the calculation of the required amount of
Collateral During the		Clearing Fund in the occurrence of the first default (if some of the amount was		Clearing Fund on a weekly basis shall not be applied.
Period with a cap		used for the loss compensation resources in the third tier, such amount will be		
		excluded) shall be adopted.		
	•	During the period with a cap, apart form Clearing Fund, each Non-defaulting		
		Clearing Participant shall be required to deposit the collateral (the secondary		
		Initial Margin (a tentative name)) calculated based on the fluctuations of the		
		required amount of Clearing Fund by Non-defaulting Clearing Participants.		
I. Calculation				
Method of the	•	During the period with a cap, the required amount of Clearing Fund will be	•	The required amount of Clearing Fund calculated on a

Item#	Description	Remarks
Secondary Initial	calculated on a daily basis.	daily basis, and the amount that will be used for
Margin (a tentative		calculating the secondary Initial Margin (a tentative
name)		name) shall be the "applicable required amount"
		(hereinafter the same will apply).
	• In case calculated required amount exceeds a certain amount in comparison to	A certain amount will be continuously discussed.
	the applicable required amount on the previous day, the calculated required	
	amount shall be the applicable required amount on the current day, while the	
	increased amount from the applicable required amount on the previous day shall	
	be required amount of the secondary Initial Margin (a tentative name)	
	• In those cases where the calculated required amount on the current day	In this case, the required amount of the secondary Initial
	increased but falling below a certain percentage or the calculated required	Margin (a tentative name) will remain unchanged.
	amount on the current day decreased compared to the applicable required	
	amount on the previous day, the applicable required amount on the previous day	
	shall be the amount of the applicable required amount on the current day.	
	• The required amount of the secondary Initial Margin (a tentative name) shall	The secondary Initial Margin (a tentative name) deposited
	be zero with the end of the period with a cap.	within the period with a cap will be transferred into the
		deposit of Clearing Fund on the business day following
		the end of the period with a cap.
II. Deposit of the		
Secondary Initial	• In case the deposit of the secondary Initial Margin amount fails in, such	
Margin (a tentative	insufficient Margin shall be deposited by noon on the business day following the	
name)	occurrence of such shortage in the amount.	
	• With regard to the deposit (deposit in cash, interest for the deposited cash, the	

Item#		Description		Remarks
		deposit in securities in lieu of cash) of the secondary Initial Margin (a tentative		
		name)shall be handled in the same manner as the Initial Margin (See Item #14)		
(6). Handling of the Case				
Where the Financial	•	In case where the Non-Defaulting Clearing Participant does not place the	•	In order to avoid the situation where the losses incurred
Resources for Loss		amount as fourth and fifth tier, default proceedings will take place for such		by JSCC exceeds the loss compensation resources leading
Compensation are		Clearing Participant (Secondary Defaulting Clearing Participant).		to the case where the auction related to the portfolio of
not Placed	•	The loss incurred as cause of fourth and fifth tier not being placed will be		the defaulting clearing participant will fail ex post facto,
		appropriated by the collateral of the secondary Defaulting Clearing Participant,		caused by the failure to pay the fourth and fifth tier's loss
		and as for the remaining loss is concerned, it will be borne by other		compensation resources, the measures will be
		Non-Defaulting Clearing Participants as the loss related to each tier by the		continuously discussed given that the impact on the
		bearing method according to each such tier.		operation and bidding price, with taking into the account
				the following proposals, etc.
				i. In case the contract price is deemed to be
				determined at the level where the loss
				compensation resources from the unfunded
				portions of each clearing participant will be
				necessary, the auction will be successfully
				conducted at the time when the relevant amount to
				be borne is deposited with JSCC.
				ii. The auction will be successfully conducted within
				the range of the loss compensation resources
				which is actually deposited with JSCC. If the
				loss exceeds the loss compensation resources

Item#		Description		Remarks
				deposited with JSCC, the auction will fail. After
				the collateral related to the loss compensation
				resources in the forth and fifth tier is deposited
				with JSCC, the auction will be then conducted.
(7). Handling of Clearing				
Participant Who				
Submitted the	• With rega	ard to the Clearing Participant who submitted the application for	•	The Clearing Participant who submitted the application
Application for	renunciati	ion, they will be required to participate for compensation of Clearing		for renunciation of the clearing qualification will
Renunciation	Fund (thin	rd tier), compensation through Special Clearing Charge (fourth tier)		renounce the qualification on the day when 30 days have
	and comp	ensation by the Recipient Clearing Participant of VM, etc (fifth tier)		passed since the application or the day when all the
	for the los	ss due to Clearing Participant's default that occurred before the		positions are closed, whichever is later
	Renuncia	tion of the Clearing Qualification.	•	If an application for renunciation is submitted, however,
	• With rega	ard to the Clearing Participant who had clearing qualification		during the period with a cap, or in case the default occurs
	renounced	d, the participant will not be required to participate for compensation		by the day when 30 days have passed since the
	of Clearin	ng Fund (third tier), compensation thorough Special Clearing Charge		application or by the day when all the positions are
	(fourth tie	er) and compensation by the Recipient Clearing Participant of VM		closed, whichever is later, such Clearing Participant will
	(fifth tier)	for the loss due to Clearing Participant's default that occurred after		renounce the qualification on the day when the period
	the Renur	nciation of the Clearing Qualification.		with a cap ends or on the day when all the positions are
				closed, whichever is later.
(8). Handling of the			•	See Reference 1 for the timing of effectiveness of the
credit obligation				renunciation of the clearing qualification.
collected from the	• For the cr	edit obligation that was supposed to be compensated by the Loss		
Defaulting Clearing	Compens	ation, in case JSCC was able to collect the amount from the defaulting		

Item #	Description	Remarks
Participant	Clearing Participant, such collected amount should be distributed to the Clearing	
	`Participants who participated in Loss Compensation etc, in a proportioned	
	amount.	
	Distribution should take place for borne portion related to the financial	As for the distribution of borne portion related to the
	resources for loss compensation of Third to Fifth tier, and if there should be any	resource of loss compensation for third to fifth tier is
	remaining amount, it should be returned by the amount as reasonably	concerned, the amount will be proportioned by each
	determined by JSCC as equivalent to the restructuring cost generated from the	borne amount in the order from fifth to third tier.
	early termination of positions for Non-defaulting Clearing Participant.	
17. Scheme for		See Reference 2 for the details for the Scheme for
Managing Settlement		Managing Settlement Failure by the Clearing Participant
Failure by the		The framework as with CDS is assumed.
Clearing Participant		
(1). Process for		
Managing Portfolio	• In case the default by Clearing Participant occurred, JSCC will dispose of the	
	portfolio of the defaulting Clearing Participant as follows.	
	i JSCC will convene Clearing Participant who will be cooperating with the	
	default management.	
	ii JSCC will implement the risk hedge for the portfolio of the defaulting	
	Clearing Participant	
	iii The auction will be conducted related to the portfolio of the defaulting	
	Clearing Participant.	
	iv The negotiation will be made (in the event of failure of the auction)	

Item#	Description	Remarks
(2). Clearing Participants	v All positions will be terminated (when the negotiation fails to reach an agreement)	
Which Cooperate in Default Management	JSCC shall designate five clearing participants to co-operate with default processing.	JSCC will randomly order all Clearing Participants in a list. The first five participants on the list will be appointed as a Co-operative Participants.
	One of the cooperating participants should resign quarterly, and a new company should be accordingly selected as a replacement.	 The term of the Co-operative Clearing Participant shall be one year and three months. At the termination of Co-operative Participants' term, JSCC will appoint the next one participant on the list as new Co-operative Participant. The former Co-operative Participants will be moved to the end of the list.
(3). Risk hedge of the Portfolio	 The Co-operative Participant shall provide one staff per company for the implementation of the risk hedge of the portfolio of the defaulting Clearing Participant and conduction of the auction. "Default Management Committee (DMC) will be comprised of staff provided by the Co-operative Participants. The Committee shall assume a position as a consultative body to JSCC with regard to default management processing. 	Such staff will offer advice and conduct any other actions deemed necessary by JSCC. Furthermore, such staff will bear a confidentiality obligation with regard to the default management processing.
(4). An Auction of the Portfolio	 In case of Clearing Participant's default, JSCC will immediately seek to gain an understanding of the contents of portfolio for such Clearing Participant and conduct any necessary risk hedging based on the judgment of DMC. 	The means of risk-hedging, etc will be discussed at DMC.

Item#	Description	Remarks
	• JSCC will conduct an auction for proprietary positions of a Defaulting Clearing	
	Participant, client (affiliate) positions of the defaulting clearing participant	
	which were not transferred to other clearing participant(s) and risk-hedged	
	positions of JSCC.	
	• JSCC will stipulate that it is mandatory for Clearing Participants to make a bid	JSCC will check adequacy of the participant's operational
	in the auction.	system and structure at the time of application for
		Clearing Qualification.
	• Only clearing participants will participate as bidders in the auction, however,	Clearing Participants will remain ultimately responsible
	clients (affiliate) may participate in the auction through Clearing Participants.	to JSCC for taking on the relevant positions if bids by the
		clients (affiliate) are successful.
	• The highest bidding price at the auction shall be the contract price, and the	There will be no minimum or maximum bid price.
	highest bidding participant shall be deemed as the Successful Bidder Participant	
	and such participant will assume the entire position posed for the auction.	
	• IRS trades corresponding to the portfolio any Clearing Participant makes a	
	successful bid for on the auction will be formed between such clearing	
	participant and JSCC.	
	• In case where more than one Clearing Participants submit bids at the same price	
	and such price turns out to be the contact price, the winner will be determined	
	by lot.	
	• If the Defaulting Clearing Participant's position is huge, the auction will be	
	conducted for each group after the positions are divided into multiple groups,	
	based on the advice given by DMC.	
	• The clearing participants shall not reveal the confidential information related to	

Item#	Description	Remarks
(5). The Scheme for Increasing the Possibility of the	 the auction such as the contents of the portfolio which will be subject to the bid In case the successful auction has been conducted, the counterparty of the original trade of the trades subject to the auction shall be changed from the Defaulting Clearing Participant to the Clearing Participant who made the successful bid. The participant who made a successful bid at the auction shall pay the bidding amount to JSCC on the day prescribed by JSCC 	 If the contract price is in the negative territory, the amount shall be received from JSCC. The successful bidding amount shall be subject to the netting with the settlement amount (See Item #13). The detailed administrative procedures for the auction will be discussed together with the scheme for ensuring loss compensation resources of fourth tier and fifth tier. (See the remarks column in Item #16 (6))
Successful Auction	 In case the loss incurred by JSCC due to the default by Clearing Participant is compensated by using Clearing Fund (Third tier of loss compensation resources) of Non-defaulting Clearing Participant, Clearing Fund of the Clearing Participant who made a successful bid at the auction shall be used after Clearing Fund of the other Clearing Participants were used. This handling will only apply to the default related to the auction at which the successful bid was made. With regard to the Clearing Participants who did not make a bid at the auction, 	 The Clearing Participant who made a bid but did not win at the auction shall bear the amount calculated by dividing the required amount of Clearing Fund on a pro rata basis, regardless of the level of the bidding price submitted. The preferential use of the Clearing Fund depending on the bidding price, aiming at preventing "a bid with a extremely bad price in an attempt not to win the bid"

Item#	Description	Remarks
	the sum of Clearing Fund shall be used in advance of Clearing Fund of the other	from occurring, will be continuously discussed
	Clearing Participants being used. Afterwards, this handling will apply to the	considering the progress of the discussions at other CCPs.
	default that occurs during the period with a cap as well. If, however, the	After the auction has completed, the verification of bids
	participant made a successful bid at the auction, such participant will not be	and discussions as to whether/not to improve the bid
(6). Handling of Clearing	subject to this handling for the default that will occur afterwards. (In this case,	system shall be made at the IRS Steering Committee. In
Participant Who	the favorable treatment related to the use of the clearing fund concerning the	case JSCC judges a certain action is required as a result of
Submitted the	auction at which the participant won will not be applied.)	the relevant verification, JSCC will consult the
Application for		Disciplinary Measure Assessment Committee regarding
Renunciation	• Even the Clearing Participant who submitted an application for renunciation of	the action.
	the Clearing Qualification will bear the obligation to participate in the auction	• See Reference 1 for the timing of effectiveness of the
	before the Clearing Qualification is renounced.	renunciation of the clearing qualification.
	Clearing Participant has closed its position, JSCC will exempt such Clearing	
	Participant from the obligation to participate in the auction with the condition	
	that the Clearing Fund will be subject to the preferential use.	
(7). Default processing in	With regard to the Clearing Participant who submitted an application for the	
cases where the	renunciation of the Clearing Qualification will not be required to participate in	
auction fails	the auction for the default which occurred after the Clearing Qualification is	
	renounced.	
	• After an auction, in cases where the loss (including the loss due to an auction)	• In order to avoid the case where the loss compensation by
	incurred by JSCC due to the default processing of the clearing participant is	JSCC exceeds the loss compensation resources caused by
	found to exceed the Loss Compensation Resource in the Loss Compensation,	failure to pay loss compensation resources by the Fourth
	JSCC and Clearing Participants will negotiate regarding default procedures in a	and Fifth tier, the scheme for ensuring the loss
	prompt manner.	compensation scheme in the fourth and fifth loss tier will

Item#	Description	Remarks
		be continuously discussed. (See Remarks column for the Item #16 (6))
	• In case where an agreement is reached in the negotiation, the default processing	The agreement shall be made on a full consensus basis.
	will be conducted accordingly.	The agreement shall include measures to cover the loss
		amount incurred by JSCC so that JSCC can continue to
		operate its clearing services after default processing.
	• In cases where the negotiation fails to reach an agreement, auctions shall fail	Termination is conducted based on the settlement price on
(O) T (CO!: ()	and all positions of all participants shall be terminated.	the day of the auction.
(8). Transfer of Clients'		If termination is conducted, losses due to losses of the VM at a hafara termination shall be compensated using
position		VM, etc before termination shall be compensated using the Loss Compensation Resources.
		the Loss Compensation Resources.
	• A client (affiliate) of a defaulting Clearing Participant (affiliate) may transfer its	In case where a Clearing Participant accepts positions of a
	position to another Clearing Participant.	client of a defaulting Clearing Participant, JSCC shall
	• A client (affiliate) who wishes to transfer its position shall apply to another	allow the relevant Clearing Participant to conduct
	Clearing Participant to obtain the acceptance from such Clearing Participant.	Clearing Brokerage for that client.
	Transferee Clearing Participant shall submit a relevant document to JSCC	
(9). Management of	regarding such transfer.	
Clients' Initial	Any client position which has not been included in such document for transfer	
Margin When the	within the period set by JSCC shall be handled together with the position of the	
Position Is	defaulting Clearing Participant and processed for auction.	
Transferred	• The IM from the client whose position has been transferred to another Clearing	Such margin shall be kept by JSCC and further
	Participant, shall be handled as the IM placed with JSCC deposited by the	withdrawal and deposit shall be made through the

Item#	Description	Remarks
	transferee Clearing Participant being the agent.	transferee Clearing Participant.
	• The request to return the margin from the client, whose position was not	In case such client bears any unsettled client clearing
	transferred shall be made directly to JSCC.	obligation against the defaulting Clearing Participant,
		return will be made after deducting any such unsettled
		obligation amount.
18. Governance	With regard to the clearing business of IRS trades, JSCC will issue the IRS cla	• The amount of the issue is expected to be JPY 5 billion.
	share in an attempt to separate the capital, and profit and loss between the	
	clearing business related to exchange traded products and clearing business	
	related to CDS trades as well as cutting off the risk.	
	• The IRS class shareholders will be able to nominate one person for the JSCC's	
	board member so that the opinions raised from IRS class shareholders will be	expansion of the range of the trades that JSCC will
	reflected into the business management.	transact, etc, the composition of board members will be
		revised from time to time in respect of maintaining the
		appropriate balance between clearing business related to
		OTC derivatives trades and clearing business related to
		exchange traded products in the aspect of the governance.
		Matters which require the resolution at the IRS class
		shareholders' meeting are as provided in Anex8.
	• Furthermore, in order to reflect the opinions raised from Clearing Participants	
	and IRS class shareholders into the administration framework and the practical	
	operations, IRS Steering Committee will be established, which will serve as the	ne
	advisory committee for JSCC's board of directors.	

Item #	Description	Remarks
19. Clearing Fee	In deciding the clearing fee for IRS, the following points will be examined	
(1). Basic Concept	comprehensively.	
	i. The clearing fee is based on each Clearing Participants' benefit (clearing	
	amount) from using JSCC	
	ii. Each Clearing Participant shall bear the certain amount which is generated	
	regardless of the amount of the obligation borne for each Clearing	
	Participant for the maintenance and operation of CCP services to each	
	Clearing Participant.	
	iii. The clearing fee should be set at the level where the profit corresponding	
	to the risk borne by investors can be expected so that the investment in	
	IRS clearing business from the Clearing Participants, etc. will be	
	generated.	
	iv. With consideration given to the competitiveness of domestic market, the	
	level of the clearing fee shall be conductive to the growth of domestic IRS	
	market	
(2). Fee Structure		
I. Basic Fee	• The fee shall be the amount prescribed by JSCC.	Details for the Fee Structure are as provided in the Annex
II. Clearing Fee	Clearing fee is calculated by the following formula.	10.
	Clearing fee = Number of obligations borne by each participant x the amount	• The fee system will also apply to the case where there is
	prescribed by JSCC.	an IRS class shareholder in the same corporate group as
	• Clearing fee of the Clearing Participants who are the IRS class shareholders is	the corporate group that the clearing participant belongs
	calculated by the following formula.	to (hereinafter the same will apply).
	Clearing fee = Number of obligations borne by each participant x the different	

	Item#		Description	Remarks
			amount than the one for general Clearing Participants prescribed by JSCC.	
	III. Other fees	•	Fees other than the clearing fee are as provided in Annex 10.	
	IV. A cap on the	•	For Clearing Participants who are the IRS class shareholders, the minimum	
	fees		annual clearing fee will be introduced.	
20.	Matters for Ongoing	•	Matters for ongoing discussion toward the responses taken after the start of	
	Discussion Toward		bearing business are provided as in the Annex 11.	
	the Responses Taken			
	After the Start of the			
	Business			
21.	Starting Date of	•	JSCC will proceed with the preparations for the service in an attempt to start the	An approval for the Business Rules should be obtained
	Service		business on October 9th 2012.	from Financial Services Agency Commissioner as a
				condition for the launch of the clearing service.

Level where Additional IM in Proportion to Creditworthiness is applied

Level where Additional IM in Proportion to Creditworthiness and Relevant Measures are applied	Specific Additional Ratios and Remarks (*1)
- When all ratings (*2) are judged as creditworthiness of BBB+ or below (*3)	- Additional IM of 10% (*4)
- When all ratings (*2) are judged as creditworthiness of BBB or below (*3)	- Additional IM of 50% (*4)
- When all ratings (*2) are judged as creditworthiness of BBB- (minus) or below (*3)	- Renunciation of clearing qualification - Additional IM of 100% until the renunciation (*4)
- When any one of ratings (*2) is judged as creditworthiness of BBB+ or below where capital-to-risk ratio etc. also falls below a certain level (250% for the capital-to-risk ratio, 10% for international capital adequacy ratio, 5% for domestic capital adequacy ratio and 500% for solvency margin ratio) (*3)	- Additional IM of 10% additional ratio (*4)
- When any one of ratings (*2) is judged as creditworthiness of BBB or below where capital-to-risk ratio etc. also falls below a certain level (250% for the capital-to-risk ratio, 10% for international capital adequacy ratio, 5% for domestic capital adequacy ratio and 500% for solvency margin ratio) (*3)	- Additional IM of 50% additional ratio (*4)
- When any one of ratings (*2) is judged as creditworthiness of BBB-(minus) or below where capital-to-risk ratio etc. also falls below a certain level (250% for the capital-to-risk ratio, 10% for international capital adequacy ratio, 5% for domestic capital adequacy ratio and 500% for solvency margin ratio) (*3)	- Renunciation of clearing qualification - Additional IM of 100% until the renunciation (*4)

- (*1) In case positions the participant possesses, in addition to the exacerbating creditworthiness, are deemed exorbitant, JSCC can request the participant to "improve the possession situation of positions."
- (*2) Ratings of Parent Company etc., if guaranteed by the relevant Parent Company. Though ratings of Parent Company will be used when Clearing Participant has no rating (or no guarantee by Parent Company etc.), in such case the creditworthiness will be judged according to the application criteria up one notch. Ratings shall be long-term debt ratings (excluding so-called 'unsolicited ratings) assigned by "credit rating agency" stipulated by the Financial Instruments and Exchange Act. As of the timing of the commencement of Interest Rate Swaps Clearing, Rating & Investment Information, Inc., Moody's Investors Services, Inc., Moody's SF Japan, Standard & Poor's Ratings Japan K.K., Japan Credit Rating Agency, Ltd., Fitch Ratings Japan and Nippon Standard & Poor's K.K. shall be applied as credit rating agency) and by its specified affiliates (Paragraph 2 of Article 116-3 of Ordinance of Cabinet Office Concerning the Financial Instruments and Exchange Act)
- (*3) Creditworthiness will be judged comprehensively one by one using the following measuring factors, in addition to the standards on ratings, including: comparison to other companies that satisfy the factors regarding ratings noted above in terms of market information such as spreads of corporate bonds/CDS and share price or whether/not sudden change in those information in the recent market, etc., or whether/not extreme decrease in financials such as liquidity on hand, or situation regarding positions of the participant etc..
- (*4) Specific additional ratio shall be determined one by one setting the relevant additional ratio as the upper limit and taking into consideration the participant's financial condition such as liquidity on hand or situation regarding positions of the participant etc..

Scaling for the calculation of the Initial Margin

The required amount for the Initial Margin will be calculated based on the historical data for the past five years by estimating the loss incurred by each participant's positions, by using VaR.

The historical data where this VaR is used will be adjusted, with the focus on the volatility of each scenario. (Filtered Historical Simulation Value at Risk:FHSVaR)

Scaling Concepts in Filtered Historical Simulation

In order to reflect the most recent volatility to the amount of the initial margin, the measured volatility will be standardized based on the volatility as of the assessment time after the historical scenario are generated by giving greater weight to more recent value.

Specific Scaling Method (Exponentially Weighted Moving Average)

$$r_t^* = r_t \left(\frac{\sigma_t + \sigma_N}{2\sigma_t} \right)$$
 where $\sigma_t^2 = \lambda \sigma_{t-1}^2 + (1 - \lambda)r_t^2$

 r^* = Scaled return at time t (will be used to calculate FHSVaR).

 $r_t = Return at time t (will be used to calculate the historical VaR)$

 $\sigma_l = Volatility at time I$

 $\lambda =$ Decay factor for Exponentially Weighted Moving Average

t = At a certain time point in the historical scenario

N = Assessment day (Current day)

$$\begin{cases} r_t^* = r_t \times Floor & \text{if } \left(\frac{\sigma_t + \sigma_N}{2\sigma_t}\right) < Floor \\ r_t^* = r_t \left(\frac{\sigma_t + \sigma_N}{2\sigma_t}\right) & \text{if } \left(\frac{\sigma_t + \sigma_N}{2\sigma_t}\right) \ge Floor \end{cases}$$

Level where Additional IM in Proportion to Liquidity is Applied and Additional Ratio

• When the required amount of IM for the principal account or the client account hold by each IRS Clearing Participant exceeds certain amount Additional IM for the principal account or the client account shall be applied based on the following criteria:

Required Amount of IM (JPY mil.)	Additional Ratio
30,000	1.1
}	}
50,000	1.2
}	}
70,000	1.4
}	₹
90,000	1.6
}	}
110,000	1.8
}	}
130,000	2.0
}	`

^{*} The additional ratio between stages shall be calculated using linear interpolation (In case of above the required amount of IM of JPY 130,000 mil. the additional ratio shall be calculated extrapolating stages between JPY110,000 mil. and JPY130,000 mil.).

^{*} The above criteria and additional ratio shall be reviewed from time to time given the market environment under the Dry Run Period (See the remakes column Item#8 (2) iv)).

Grid Points for Construction of Forward Curve

1. Grid Points of 3M-Libor Swap		
Products	Rates	
FRA (Fixing)	0 x 3, Libor	
FRA	1 x 4, Libor	
FRA	2 x 5, Libor	
FRA	3 x 6, Libor	
FRA	4 x 7, Libor	
FRA	5 x 8, Libor	
FRA	6 x 9, Libor	
FRA	7 x 10, Libor	
FRA	8 x 11, Libor	
Basis Swap	1Y (3M vs 6M), Libor	
Basis Swap	18M (3M vs 6M), Libor	
Basis Swap	2Y (3M vs 6M), Libor	
Basis Swap	3Y (3M vs 6M), Libor	
Basis Swap	4Y (3M vs 6M), Libor	
Basis Swap	5Y (3M vs 6M), Libor	
Basis Swap	6Y (3M vs 6M), Libor	
Basis Swap	7Y (3M vs 6M), Libor	
Basis Swap	8Y (3M vs 6M), Libor	
Basis Swap	9Y (3M vs 6M), Libor	
Basis Swap	10Y (3M vs 6M), Libor	
Basis Swap	12Y (3M vs 6M), Libor	
Basis Swap	15Y (3M vs 6M), Libor	
Basis Swap	20Y (3M vs 6M), Libor	
Basis Swap	25Y (3M vs 6M), Libor	
Basis Swap	30Y (3M vs 6M), Libor	
Basis Swap	35Y (3M vs 6M), Libor	
Basis Swap	40Y (3M vs 6M), Libor	

2. Grid Points of 6M-Libor Swap		
Products	Rates	
FRA (Fixing)	0 x 6, Libor	
FRA	1 x 7, Libor	
FRA	2 x 8, Libor	
FRA	3 x 9, Libor	
FRA	4 x 10, Libor	
FRA	5 x 11, Libor	
Swap	1Y 6M/6M, Libor	
Swap	18M 6M/6M, Libor	
Swap	2Y 6M/6M, Libor	
Swap	3Y 6M/6M, Libor	
Swap	4Y 6M/6M, Libor	
Swap	5Y 6M/6M, Libor	
Swap	6Y 6M/6M, Libor	
Swap	7Y 6M/6M, Libor	
Swap	8Y 6M/6M, Libor	
Swap	9Y 6M/6M, Libor	
Swap	10Y 6M/6M, Libor	
Swap	12Y 6M/6M, Libor	
Swap	15Y 6M/6M, Libor	
Swap	20Y 6M/6M, Libor	
Swap	25Y 6M/6M, Libor	
Swap	30Y 6M/6M, Libor	
Swap	35Y 6M/6M, Libor	
Swap	40Y 6M/6M, Libor	

(Reference) Grid Points of 1M-Libor Swap		
Products	Rates	
FRA (Fixing)	1M Libor	
Swap	3M1M	
Swap	6M1M	
Swap	9M1M	
Basis Swap	1Y (1M vs 6M), Libor	
Basis Swap	18M (1M vs 6M), Libor	
Basis Swap	2Y (1M vs 6M), Libor	
Basis Swap	3Y (1M vs 6M), Libor	
Basis Swap	4Y (1M vs 6M), Libor	
Basis Swap	5Y (1M vs 6M), Libor	
Basis Swap	6Y (1M vs 6M), Libor	
Basis Swap	7Y (1M vs 6M), Libor	
Basis Swap	8Y (1M vs 6M), Libor	
Basis Swap	9Y (1M vs 6M), Libor	
Basis Swap	10Y (1M vs 6M), Libor	
Basis Swap	12Y (1M vs 6M), Libor	
Basis Swap	15Y (1M vs 6M), Libor	
Basis Swap	20Y (1M vs 6M), Libor	
Basis Swap	25Y (1M vs 6M), Libor	
Basis Swap	30Y (1M vs 6M), Libor	
Basis Swap	35Y (1M vs 6M), Libor	
Basis Swap	40Y (1M vs 6M), Libor	

(Reference) Grid Points of 6M-Tibor Swap		
Products	Rates	
FRA (Fixing)	0 x 6, Tibor	
FRA	1 x 7, Tibor	
FRA	2 x 8, Tibor	
FRA	3 x 9, Tibor	
FRA	4 x 10, Tibor	
FRA	5 x 11, Tibor	
Swap	1Y 6M/6M, T-L SP	
Swap	18M 6M/6M, T-L SP	
Swap	2Y 6M/6M, T-L SP	
Swap	3Y 6M/6M, T-L SP	
Swap	4Y 6M/6M, T-L SP	
Swap	5Y 6M/6M, T-L SP	
Swap	6Y 6M/6M, T-L SP	
Swap	7Y 6M/6M, T-L SP	
Swap	8Y 6M/6M, T-L SP	
Swap	9Y 6M/6M, T-L SP	
Swap	10Y 6M/6M, T-L SP	
Swap	12Y 6M/6M, T-L SP	
Swap	15Y 6M/6M, T-L SP	
Swap	20Y 6M/6M, T-L SP	
Swap	25Y 6M/6M, T-L SP	
Swap	30Y 6M/6M, T-L SP	
Swap	35Y 6M/6M, T-L SP	
Swap	40Y 6M/6M, T-L SP	

The Structure of Submitting Quotes for Constructing Yield Curves for Margin Calculation and Rules for Ensuring Credibility

Section #	Description	Remark
1 . Prerequisites etc. for		
Quotes to Be Submitted		
(1) Scope of Products for Submission of Quotes and Clearing Participants	- OIS curves (discount curves) - All clearing participants will be requested to submit quotes	 A "Designated Clearing Participant" system will be put in place, and Designated Clearing Participants will be requested by JSCC to submit quotes for products JSCC designates. (See Section #5 below). Designated Clearing Participant is the clearing participant designated by JSCC based on Clearing Participant's request, who will submit quotes pre-specified by JSCC. A system in which Clearing Participant will receive a certain amount of discount on "basic" clearing fees will be put in place, as an incentive. When any participant has become Designated Clearing Participant,
		the specific discount on the basic clearing fee will be JPY200K.
(2) Prerequisites for Quotes to	- Fixed interest rate: Act/365, Annual (OIS)	- Will be up to ISDAFIX.
Be Submitted	- Business Day: Tokyo	
	- Business Day Convention : Modified Following	
(3) Grid Points for Which	- Grid Points that are described in Annex 6	
Submission of Quotes is		
Required		
2. Deadline / Method of		
Submission		
(1) Deadline to Submit Quotes	- Clearing Participant shall submit quotes as of 11:02 and 15:02 within	- Quotes shall be submitted with mid price.
	23 minutes by 11:25 and 15:25 respectively.	- Resubmission of those quotes is allowed during the submission window in the left column.

Section #	Description	Remark
(2) Method to Submit Quotes	- Clearing Participant shall submit quotes to JSCC via THOMSON	- Predicated on the agreement with Reuters for providing
	REUTERS' (hereinafter referred to as 'REUTERS') services.	information on quotes.
		- A method of data submission will be chosen from several options
		including the following two, among what each participant opts
		for: i) using Reuters' scheme dedicated for data input, and ii) connecting systems between each participant and Reuters.
3. Curves Construction Process	- JSCC will first calculate the average value (simple arithmetic mean) of	- When quotes submitted have any abnormal values, those values
	the submitted quotes, removing the largest and the smallest data from	will be excluded before processing the calculation mentioned in
	the quotes submitted by clearing participants and then construct	the left column.
	curves based on the relevant average value.	- 3M and 6M Tenors will be processed in the same manner using
		data both submitted by Clearing Participant and obtained from
		the brokers' screen.
4. Rules for Ensuring		
Credibility		
(1) When Quote that was	- When quotes submitted by Clearing Participant significantly diverge	- With respect to Designated Clearing Participant, OIS and the
Submitted Significantly	from the average value calculated, clearing fee will be added, based	products for which Designated Clearing Participant is required to
Diverge from the Overall	on the following criteria:	submit quotes (6M-Libor Swap and 3M-Libor Swap) shall be
Level		subject to this rule
	# Incidents Each Addition	- The range of divergence that will be the basis for addition of
	2 nd Incident JPY50K	clearing fee will be specified for each grid point considering
	3 rd Incident On JPY100K	historical trends in the level of Bid/Ask spreads.
		- The relevant range of criteria will be reviewed every month. The
		relevant range will be reviewed as needed upon request by
		Clearing Participant due to the change of market environment etc.
		- # Addition incidents will be counted in business days; # incidents

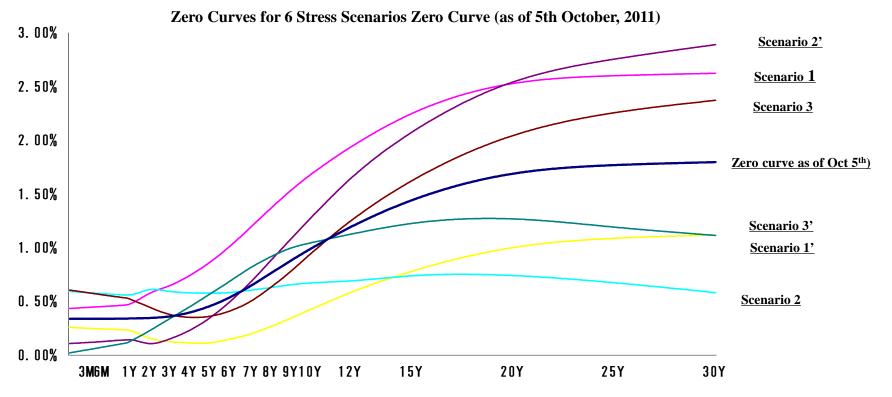
Section #	Description	Remark
(2) When Quote Is Not Submitted	- When any Clearing Participant did not submit quotes for products fo which quotes submission is required, clearing fee will be added based on the following criteria:	
	# Incidents Each Addition 2nd Incident JPY50K 3rd Incident On JPY100K	 - # Addition incidents where any participant(s) are deemed as yet to submit shall be counted in business days; # incidents shall be based on 6 months dating back from each day on which the participants were deemed as yet to submit quotes. OIS and products for which Designated Clearing Participant is required to submit quotes counted together in business days, not separately (the same shall apply hereinafter). - Though the first addition incident shall not be deemed as the subject of addition, participants will be interviewed at each

Section #	Description	Remark
		incident occurrence and address depending on the situation based
		on the Business Rules.
(3) Setting of Dry-Run Period	- (1) and (2) above will not be applied for 9 months after the launch of	- The framework will be reviewed if necessary given the status of
	IRS clearing service, as the period during which to get acquainted	the business during the Dry Run Period.
	with the operations regarding the quotes submission as well as to	
	review the rules for ensuring credibility thereafter.	
5. Quotes for Which	- Designated Clearing Participant shall submit quotes of the following	- Broker-/Dealers' quotes for 3M / 6M-Libor Swap clearing curves
Designated Clearing	products to construct their curves in addition to OIS curves:	will be basically obtained via information terminals for
Participant is Required to	✓ Clearing Curves for 1M-Libor Swap	calculation; in order to obtain quotes submitted by greater
Submit Quotes	✓ Clearing Curves for 3M-Libor Swap	diversity of market players, however, quotes submission will be
	✓ Clearing Curves for 6M-Libor Swap	required for Designated Clearing Participant(s).
	✓ Clearing Curves for 6M-Tibor Swap	- In order to accumulate historical data, Designated Clearing
		Participant(s) will also be required to submit quotes for 1M-Libor
		and 6M-Tibor Swap clearing curves that will be handled in
		future.
		- Refer to Annex 4 for grid points required to submit
		- The aforementioned rules for ensuring credibility will be applied
		to this section as well (excluding 1M-Libor and 6M-Tibor Swap
		clearing curves related quotes).

Grid Points for Construction of Discount Curve

Grid Points for Discount Curve (OIS)		
1D	2Y	
1W	3Y	
2W	4Y	
3W	5Y	
1M	6Y	
2M	7Y	
3M	8Y	
4M	9Y	
5M	10Y	
6M	11Y	
7M	12Y	
8M	15Y	
9M	20Y	
10M	25Y	
11M	30Y	
1Y	35Y	
15M	40Y	
18M		

Stress Scenarios for Calculation of Clearing Fund



- Extract the characteristics of yield curve fluctuations from historical data and determine the forms of yield curves that will be used for stress scenarios (Note).
- After having determined the form of those yield curves, the rate of change in each yield curve will be defined using the maximum rate of change over the past 5 days with a tenor with the highest liquidity (10 years) as the standard.
- The maximum risk amount when top 2 members defaulted in the 6 stress scenarios above (the total of 2 members' amounts with the maximum required IM amounts deducted from the risk amounts in the stress scenarios) shall be the required amount for clearing fund all members.

(Note) Characteristics of yield curve fluctuations are extracted using the method of principal component analysis based on the market data. Calculation for actual stress scenarios will be done using the latest market data.

Primary items to be resolved at the IRS-class Shareholders Meeting

The following matters need resolutions at the IRS-class Shareholders Meeting as well as resolutions at the General Shareholders Meeting: *1

- Dividends from surplus for IRS-class shares,
- · Appointment of Directors from IRS-class shareholders,
- Changes in the features of IRS-class shares (Change to the Articles of Incorporation),
- Reduction of Amounts of Reserves for IRS-class shares,
- Reorganization (Share Transfer, etc.) in which IRS-class shares are issued as the consideration,
- New Issue of IRS-class shares,
- New Issue of subscription warrants for IRS-class shares,
- JSCC's acquisition of IRS-class shares,
- · Consolidation or Splitting of IRS-class shares (Change to the Articles of Incorporation),
- · Change in number of Directors for IRS-class shares (Change to the Articles of Incorporation),
- Change in requirements for Resolution of Board of Directors where Board of Directors makes a resolution that differs from the opinion of the IRS Steering Committee after the reconsideration process (Change to the Articles of Incorporation). *2
- *1 Appointment of Directors from IRS-class shareholders does not need resolution at the general shareholders meeting.
- *2 Resolutions of the Board of Directors, when it differs from the opinion of the IRS Steering Committee after the reconsideration process, shall be made by a majority of two thirds or more votes of the directors.
- * The resolutions of *italicized* items shall be required special resolutions.

IRS Steering Committee

Item	Contents	Remarks
1. Name	- IRS Steering Committee	
2. Purpose of the	- The Committee shall be set up to reflect Clearing Participants' and JSCC's IRS-class	- The Committee will be established as a
Committee	shareholders' opinions in the administration and operation of JSCC's IRS clearing system.	standing advisory committee stipulated in the
		JSCC board of directors' meeting' rules.
3. Issues Subject to the	- In cases where JSCC board of directors or President & CEO intends to make a resolution or a	
Committee	decision about any of the following matters, JSCC shall seek advice of the Committee and shall	
	respect such opinions sufficiently. This shall not apply to resolutions or decisions deemed to	
	have minor importance.	- Scope and basic specs of new products etc.
	(1) Matters with respect to transactions eligible for clearing;	
	(2) Matters with respect to the requirements for IRS Clearing Qualification;	
	(3) Matters with respect to clearing brokerage;	- Contents of clearing brokerage contract or
		changes to such contents, etc.
	(4) Matters with respect to IRS Clearing Funds;	- Methodologies, parameters related to Clearing
		Fund calculation, etc.
	(5) Matters with respect to the Renunciation of IRS Clearing Qualification via application by an	
	IRS Clearing Participant;	
	(6) Matters with respect to margin;	- Methodologies, yield curve constructions,
		parameters related to margin calculation, etc.
	(7) Matters with respect to the measures in case of an IRS Clearing Participant's default;	- How to process defaulter's remaining
		positions under the clearing participant default
		management process, etc.

Item	Contents	Remarks
	(8) Matters with respect to the modification of the requirement for obtaining clearing	
	qualification;	
	(9) Matters with respect to the modification of the criteria of measures to be taken on clearing	
	participants;	
	(10) Matters with respect to the designation of change, modification or supplement of the ISDA	
	Master Agreement and the ISDA Definitions;	
	(11) Matters with respect to changes in the handling of measures to be taken in the event of	
	default of an IRS Clearing Participant;	
	(12) Matters with respect to changes in administration of the Default Management Committee	- The method of appointment of the Default
	such as the authority, organization, or operational procedures or other necessary matters	Management Committee, terms of a committee
	related to the administration of the Default Management Committee;	member, etc.
	(13) Matters with respect to the date and time and details of Default Management Drills;	
	(14) Matters with respect to the link with LCH;	
	(15) Matters with respect to Clearing Fees;	
	(16) Matters with respect to the IRS clearing system;	
	(17) Matters with respect to the business plans;	
	(18) Matters with respect to dividends to IRS class shareholders;	- Profit-loss statement, etc. of IRS clearing
	(19) Matters with respect to the candidate for the JSCC board member nominated by IRS	operation, which are prerequisites for
	Steering Committee;	dividends from surplus to IRS class
	(20) Any other matters deemed necessary from the perspective of operating IRS clearing, such as	shareholders shall be reported to the
	operational procedures of the Committee.	Committee.
		- Includes amendments in IRS Steering
		Committee Rules (Tentative).

Item	Contents	Remarks
	- When the President & CEO receives requests from two or more committee members (if JSCC	- Cases where, in response to the latest
	deems it particularly necessary, one or more committee member(s)), JSCC shall seek the advice	movement related to IRS trades in other
	of the Committee.	countries, Committee Members find it
		necessary to discuss such matters on JSCC's
		IRS clearing.
	- When JSCC intends to make resolutions or decisions without seeking the advice of the	
	Committee for matters deemed less important, the President & CEO shall notify committee	
	members of such resolution or decision before such resolutions or decisions are made.	
	- When the JSCC board of directors shall not adopt the Committee's opinion, the President & CEO	- The JSCC board of directors shall be able not
	shall notify committee members of such resolution or decision and the reason thereof without	to adopt the Committee's opinion, in cases
	delay after such resolution or decision.	where the Committee's opinion is deemed to
		have the possibility of increasing systemic
		risk, harming sound operations of the CCP or
		damaging trust in the CCP, or to be a
		disservice to the public interest and investor
		protection, etc. In this case, the JSCC board of
		directors shall ask the Committee to review
		such opinions, as a general rule.
		- In case JSCC board of directors resolves to go
		with the different contents from the opinions
		shown after the review of the IRS Steering
		Committee, supporting vote from the two
		thirds of the directors will be required.

Item	Contents	Remarks
4. Member of the		
Committee		
(1) Delegation of the	- All Participants who are IRS class shareholders of JSCC and any other IRS class shareholders of	- By participation of IRS class shareholders of
Committee Member	JSCC deemed appropriate by the Committee shall be appointed as committee members.	JSCC deemed appropriate by the Committee
		as committee members, such IRS class
		shareholders' opinions are expected to reflect
		the Committee's decision. For the time being,
		Tokyo Stock Exchange, Inc. is assumed to be
		such a participant.
		- JSCC shall appoint, as a committee member,
		the Clearing Participant which belongs to the
		corporate group that has IRS class shareholder.
		If multiple Clearing Participants belong to
		such corporate group JSCC shall appoint one
		Clearing Participant as a committee member in
		accordance with designation by such Clearing
		Participants.
		- Participants which belong to the corporate
		groups that do not have a IRS shareholder may
		participate in the Committee meetings as
		Observers.
	- In cases of a committee member's insolvency, violation of the IRS Business Rules or another	- In cases where the circumstances which led to
	such case where a committee member is deemed inappropriate for its status, the JSCC board of	a committee member's dismissal have been
	directors may cancel such member's appointment as a committee member.	resolved, JSCC shall appoint the relevant

Item	Contents	Remarks
		committee member as a committee member
		again.
		- Requirements related to the cancellation of
		the appointment of the committee member will
		be continuously discussed.
(2) Election of	- There shall be a chairperson in the Committee.	
Chairperson	- The Chairperson is elected from among the committee members.	
(3) Term of	- The term of the Chairperson shall be one year.	
Chairpersonship	- In cases where the Chairperson is removed from the committee, a new Chairperson shall be	
	appointed.	
(4) Notification, etc. of	- Each committee member shall specify one or more persons out of the directors or employees of	
Representative of	such committee member or other companies within the same Corporate Group who have	
Committee Member	expertise in the trading practices of IRS Transactions to act as a representative or agent of such	
	committee member with respect to the duties of such committee (hereinafter referred to as a	
	"Representative of a Committee Member").	
(5) Obligations of	- Committee members and Representatives of Committee Members (including those who were	
Committee Members	previously Committee members or Representatives of Committee Members) shall keep	
	confidential information obtained in the course of their duties and may not divulge to a third party	
	or use for any other purposes, without any justifiable reason.	
5. Holding Meetings	- Meetings of the Committee shall be convened based on resolutions of the President & CEO,	
	provided that this shall not prohibit convening those based on resolutions of the JSCC board of	
	directors.	
	- In cases where a Representative of a Committee Member is unable to attend a committee	
	meeting due to unavoidable reasons, an alternative person affiliated with such Participant or other	

Item	Contents	Remarks
	companies within the same Corporate Group may attend the committee meeting.	
	- Meetings of the Committee may be held via documents as an alternative to holding meetings.	- The President & CEO, where deemed
		necessary, may hold meetings of the
		Committee by conference call etc. or may
		allow a committee member to attend a
		committee meeting by phone, etc.
	- Meetings of the Committee shall be held at least once per quarter (including via documents).	- Meetings of the Committee are expected to be
		held more frequently in the initial stage of
		JSCC's IRS clearing operations
6. Method of Resolution	- A committee meeting may not be held unless at least half of the committee members (excluding	
	committee members who have significant interests regarding the agenda) are in attendance.	
	- The chairperson shall seek to build consensus among all committee members, and the	
	deliberation items in a committee meeting shall be resolved by a majority vote of committee	
	members in attendance.	
	- A committee member may not participate in deliberations of an item in which such committee	
	member has significant interests.	
7. Report to JSCC Board	- The chairperson shall report determinations or other details of deliberations in the Committee	
of Directors	with respect to advisory matters to the JSCC board of directors.	
8. Secretariat	- The secretariat of the Committee shall be JSCC.	
	- The secretariat shall be engaged in the support of committee members, administrative	
	communication, providing the assistance for the administration of meetings, the preservation of	
	records and other operational works for the Committee.	
9. Delegation	- Matters necessary for administration of the Committee other than what are prescribed in JSCC	
	rules shall be prescribed by the Committee on each applicable occasion.	

Fees for IRS Clearing

Item	Content	Remark
(1) Basic Fee	- JPY 5 million per month per 1 IRS Clearing Participant	 When any participant has become Designated Clearing Participant (Refer to Annex 5), the discount on the basic fee will be JPY200K per month. When quotes submitted by Clearing Participant significantly diverge from the average value calculated or when quotes are not submitted, the basic clearing fee will be added depending on a number of incidents during certain period (Refer to Annex 5).
(2) Clearing Fee a. General Fee	- JPY 8,000 per new IRS trade subject to the obligation bearing	- Clearing Fee depending on a number of the new IRS transactions subject to the obligation bearing shall be calculated monthly and charged on certain day of every
	- JPY 700 per outstanding cleared IRS trade on a monthly basis	month. - Clearing Fee depending on a number of the outstanding cleared IRS transactions shall be calculated on certain day of every month and charged (hereinafter same as in b.)
b. Fee for IRS Class	- Regardless of a., if IRS Clearing Participant is IRS Class Shareholder, Clearing Fee	- For the clearing participant in the corporate group that has an
Shareholder	shall be applied as followings:	IRS class shareholder, the fee rate for an IRS class
	a. New IRS trade subject to the obligation bearing	shareholder will be applied (hereinafter the same).

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Item	Content	Remark
	(a) 2,000 transactions or below per year	
	JPY 5,000 per transaction	
	(b) above 2,000 transactions but 10,000 transactions or below per year	
	JPY 1,000 per transaction	
	(c) above 10,000 transactions per year	
	JPY 400 per transaction	
	b. Outstanding cleared IRS trade	
	(a) 8,000 transactions or below	
	JPY 450 per transaction per month	
	(b) above 8,000 transactions but 40,000 transactions or below	
	JPY 100 per transaction per month	
	(c) above 40,000 transactions	
	JPY 35 per transaction per month	
c. Handling of	- Clearing Fee for Affiliate Clearing shall be calculated per Clearing Entruster (legal	- An Entrusted IRS Clearing Participant is not charged
Affiliate Clearing	entity), separated from proprietary position of an entrusted IRS Clearing	additional Basic Fee for Affiliate Clearing.
	Participant, applying the same Fee rate as such IRS Clearing Participant.	
(2) Other E	For far abtaining of Classing Qualification	For for obtaining of Cleaning Overlife estimated will be a constitution of the constit
(3) Other Fees	- Fee for obtaining of Clearing Qualification	- Fee for obtaining of Clearing Qualification will be waived for
	JPY 1 mil. for obtaining of IRS Clearing Qualification	obtaining such qualification during 6 months after the initial
	- Fee for de-clear	launch of the service.
	JPY 1,000 per transaction	

Item	Content	Remark
	- Collateral charge	
	The rate will be set at 0bp for a while.	
(4) Upper limit on the		
Fees for IRS Class		
Shareholder		
I. Upper limit	- When Clearing Participant is IRS Class Shareholders the upper limit on a sum of	- Designated Clearing Participant regarding the Quote
on a sum of fees	Basic Fee, Clearing Fee and other Fees (exclude Fees regarding obtaining of	Submission receive discount on the yearly upper limit
for Proprietary	Clearing Qualification and Affiliate Clearing fees).	equivalent to discount on Basic Fee (Maximum JPY 2.4
trade		million per year).
		- For Clearing Participant which is additionally charged for
		Basic Fee regarding the Quote Submission, the yearly upper
		limit increases by the relevant additional amount.
		- The yearly upper limit will be applied during the period April
		to March of the following year (The same apply in II.).
II. Upper limit	- When an entrusted Clearing Participant is IRS Class Shareholder Clearing Fees	
on Clearing Fees	regarding Affiliate Clearing of the relevant Clearing Participant is caped to JPY 40	
regarding	million per year per Clearing Entruster (legal entity).	
Affiliate Clearing		

IRS Clearing System: Issues to Be Addressed after the Launch of the Service

Items listed in "Outline of Interest Rate Swaps Clearing"	Issues to be Discussed	Direction
Eligible Trades for Clearing	Handling of Tibor	Points to be discussed will be determined in terms of risk management and the discussion will be continued so that the clearing of Tibor swap can be started about a half year after the launch of the service.
	Handling of 1M Libor	 Points to be discussed will be determined in terms of risk management and the discussion will be continued so that the clearing of 1M Libor swap can be started about a half year after the launch of the service. In case there are any products other than 1M Libor Swap that have to be considered, the possibility of handling those products at CCP will also be discussed on this occasion.
	Handling of foreign currency -denominated trade	The discussion on this will start immediately after the launch of the IRS clearing service, and JSCC will launch clearing of foreign currency-denominated considering the participants' readiness, etc.
4. Clearing Brokerage	Expansion of the scope of clients who can entrust clearing brokerage of securities to Non-Affiliate companies	The discussion on this will start immediately after the launch of the IRS clearing service and will be continued so that the Non-Affiliate Clearing can be started about a year later considering the participants' readiness, etc.
13. Method of Fund	Introduction of the PPS (Protected)	The discussion on this will start immediately after the launch of the IRS clearing service,

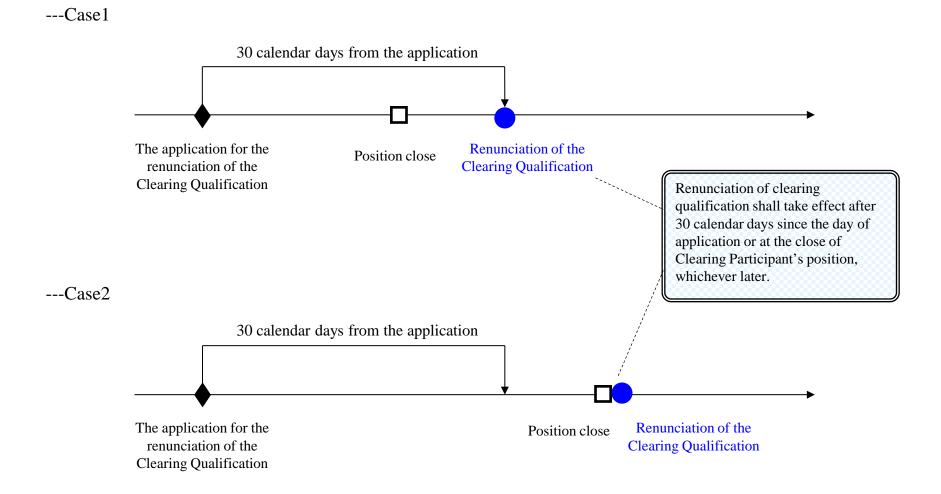
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IRS Clearing System: Issues to Be Addressed after the Launch of the Service

Items listed in "Outline of		Be find respect the Business of the Selvice
Interest Rate Swaps	Issues to be Discussed	Direction
Clearing"		
Settlement	Payments System) scheme for the	and PPS will be introduced considering the responses by the fund settlement bank.
14. Deposit and Refund of	deposit of the Initial Margin etc. by	
Collateral	cash.	• In parallel, JSCC will sound the fund settlement banks out to check its response on the arrangement to make OD (overdraft) limit available to participants, and such arrangement will be introduced to the participants depending on the situation.
16. Loss Compensation Scheme	Introduction of the framework for preferential use of clearing funds, etc. depending on the bid price	The discussion on this will continue taking into account the proposals that have been presented at past WGs or situations of discussions at other CCPs.
17. Scheme for Managing Settlement Failure by the Clearing Participant	Introduction of Modified Dutch Auction related to the defaulting clearing participant's portfolio	The discussion on this will continue keeping an eye on handling at other clearing houses.
Others	Introduction of Compression	The discussion will continue, after the launch of the service, keeping an eye on the trend in # Trades Cleared.

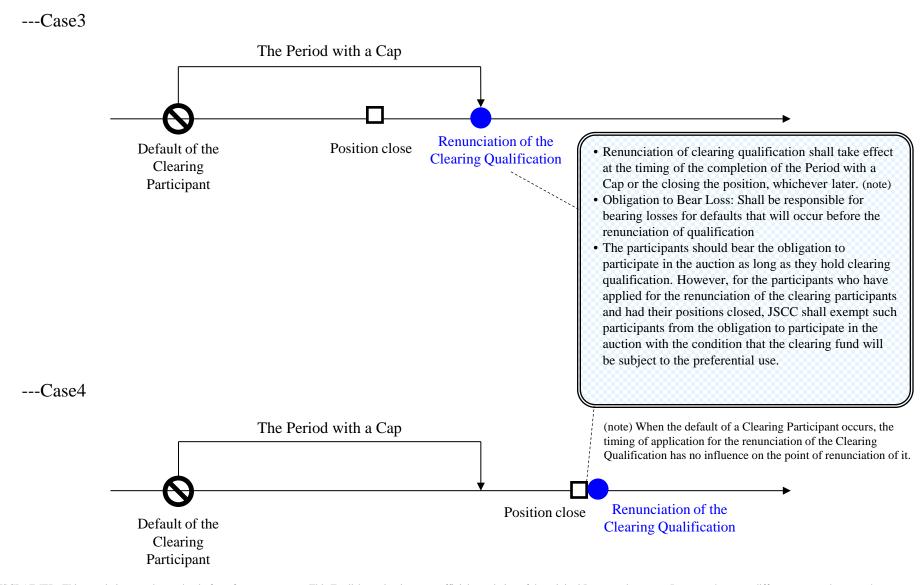
Timing of Effectiveness of the Renunciation of the Clearing Qualification

1. In case the default of a participant does not occur

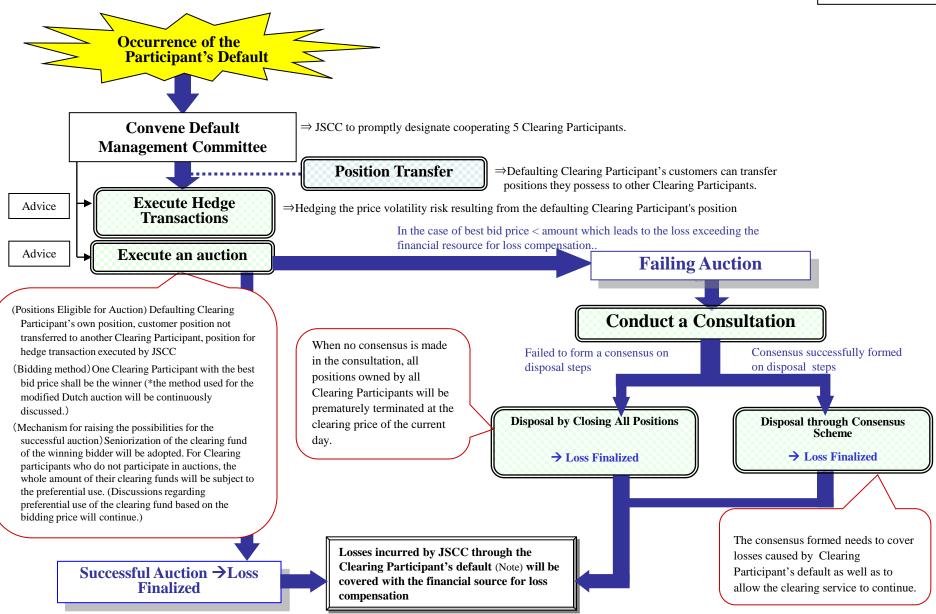


2. In case the default of a participant occurs

(The application for the renunciation of the Clearing Qualification is made during the Period with A Cap / The default occurs before the day on which 30 calendar days have passed since the day of application or at the close of Clearing Participant's position, whichever later)



Reference 2



(Note) Loss, etc. as a result of changes in NPV form the occurrence of default to disposal of positions through the successful auction/close-out of all positions.