



**VIA CFTC Portal**

17 October 2024

**Mr. Christoper Kirkpatrick**

Commodity Futures Trading Commission  
1155 21<sup>st</sup> Street NW  
Three Lafayette Centre  
Washington, DC 20581

**LCH Limited self-certification: Clearing of Mexican Peso overnight interest rate swaps that reference the MXN-TIIE ON-OIS Compound index**

Dear Mr Kirkpatrick,

Pursuant to Commodity Futures Trading Commission (“CFTC”) Regulation §40.6(a), LCH Limited (“LCH”), a derivatives clearing organization registered with the CFTC, is submitting for self-certification revisions to its rules (“LCH Rules”) related to extending clearing eligibility to overnight interest rate swaps (“OIS”) that are (i) denominated in Mexican Peso (“MXN”), (ii) have a maximum tenor of 21 years, and (iii) reference the MXN-TIIE ON-OIS Compound floating index (“MXN OIS”).

**Part I: Explanation and analysis**

**MXN-TIIE ON-OIS**

LCH currently clears fixed notional interest rate swaps that (i) are denominated in MXN, (ii) reference the MXN-TIIE-Banxico compound floating interest rate option, and (iii) have a maximum maturity of 21 years (“MXN-TIIE-Banxico IRS”). LCH also currently clears fixed notional interest rate swaps that are (i) denominated in MXN, (ii) reference the MXN-TIIE compound floating interest rate option, and (iii) have a maximum maturity of 21 years (MXN-TIIE IRS).

LCH now proposes to clear MXN OIS in addition to MXN-TIIE-Banxico IRS and MXN-TIIE IRS. This new product offering will help to facilitate market growth, and transition to the OIS index.

To facilitate these changes, the Product Specific Contract Terms and Eligibility Criteria Manual and FCM Product Specific Contract Terms and Eligibility Criteria Manual (jointly, the “Product Terms”) within the LCH Rules will be amended.

**Part II: Description of the Rule Changes**

LCH will amend Section 1.2(a) of Part B of Schedule 2 of the Product Specific Contract Terms and Eligibility Criteria Manual and Section 1.1(a) of Part B of Schedule 1 of the FCM Product Specific Contract Terms and Eligibility Criteria Manual to include MXN OIS.



The changes to the LCH Rules are included as **Appendices I – II** in black line form. These changes will be effective not earlier than **4 November 2024**.

### **Part III: Core Principle Compliance**

LCH has reviewed the proposed rule changes against the requirements of the Core Principles and finds it will continue to comply with all requirements and standards set forth therein. Specifically, this rule change has potential relevance to Core Principles C (Participant and Product Eligibility), D (Risk Management) and L (Public Information).

The changes described in this filing meet the objectives of Core Principle C, including that LCH has appropriate requirements for determining the eligibility of submitted transactions, taking into account LCH's ability to manage the associated risks. In determining whether to offer MXN OIS clearing, LCH considered factors that included trading volume, liquidity, availability of pricing data and the ability for LCH to manage any associated risks within LCH's existing operational, risk management, and default management tools. LCH carefully considered these factors and determined that the product extensions meet LCH's qualifications and the requirements of Core Principle C.

LCH believes the changes described in this filing will not impact LCH's ongoing compliance with the objectives of Core Principle D. MXN OIS clearing will not require changes to LCH's risk management framework, margin methodology, or margin requirements. LCH will clear this product in accordance with its current operational, risk management, and default management tools. LCH considered its risk management requirements and believes clearing MXN OIS will not impact LCH's ongoing compliance with Core Principle D.

The changes described in this filing also ensure that LCH meets the objectives of Core Principle L, including that, in addition to the specified requirements of CFTC Regulation §39.21, LCH makes available any information that is relevant to participation in the clearing and settlement activities of LCH, including the terms and conditions of each contract. LCH considered its public information requirements and believes amending the Product Terms within LCH Rules to include MXN OIS meets the requirements of Core Principle L.

As such, LCH believes that these changes are consistent with the requirements of Core Principle C on Participant and Product Eligibility under CFTC Regulation §39.12, Core Principle D on Risk Management under CFTC Regulation §39.13 and Core Principle L on Public Information under CFTC Regulation §39.21.

### **Part IV: Public information**

LCH has posted a notice of pending certification with the CFTC and a copy of the submission on LCH's website at: <https://www.lch.com/resources/rulebooks/proposed-rule-changes>.



### **Part V: Opposing views**

There were no opposing views expressed to LCH by any governing board or committee members, members of LCH or market participants that were not incorporated into this proposal.

### **Certification**

LCH hereby certifies to the CFTC, pursuant to the procedures set forth in CFTC Regulation §40.6, that the attached submission complies with the Commodity Exchange Act, as amended, and the regulations promulgated there under.

Should you have any questions, please contact me at [lavannyan.mahalingam@lseg.com](mailto:lavannyan.mahalingam@lseg.com)

Yours sincerely,

Lavannyan Mahalingam  
Regulatory Advisor  
LCH Limited



## **Appendix I**

### Product Specific Contract Terms and Eligibility Criteria Manual

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**PRODUCT SPECIFIC CONTRACT TERMS AND ELIGIBILITY CRITERIA  
MANUAL**

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**PART B**  
**PRODUCT ELIGIBILITY CRITERIA FOR REGISTRATION OF A SWAPCLEAR CONTRACT**

**1. SwapClear Transaction**

Without prejudice to the Regulations and the Procedures, the Clearing House will only register a SwapClear Contract pursuant to receipt of particulars of a transaction where at the time of the particulars being presented:

- (a) the transaction meets the eligibility criteria, set out in paragraphs 1.2(a), (b), (c) or (d) below for a SwapClear Transaction; and
- (b) each party to the transaction is either a SwapClear Dealer, a SwapClear Clearing Member (including an SCM Branch), an FCM Clearing Member, a SwapClear Clearing Client, an FCM Client or, in respect of Risk Neutralisation, the Clearing House.

and the requirements of (a) and (b) continue to be satisfied at Registration Time.

**1.2 SwapClear Product Eligibility Criteria for a SwapClear Transaction**

- (a) Vanilla interest rate swaps and notional interest rate swaps having the characteristics set out in the table below:

<u>Instrument</u>	<u>Currency</u>	<u>Leg 1</u>	<u>Leg 2</u>	<u>Maximum Tenor</u>	<u>Notional Amount</u>
Interest rate swap	GBP	Fixed	GBP-LIBOR-BBA	18,675 days	0.01-99,999,999,999.99 <sup>14</sup>
OIS	GBP	Fixed	GBP-SONIA-COMPOUND	18,675 days	0.01-99,999,999,999.99
OIS	GBP	Fixed	GBP-SONIA-OIS Compound	18,675 days	0.01-99,999,999,999.99
Interest rate swap	USD	Fixed	USD-LIBOR-BBA	18,675 days	0.01-99,999,999,999.99 <sup>15</sup>
Interest rate swap	USD	Fixed	USD-LIBOR	18,675 days	0.01-99,999,999,999.99 <sup>16</sup>
OIS	USD	Fixed	USD-SOFR-COMPOUND	18,675 days	0.01-99,999,999,999.99
OIS	USD	Fixed	USD-SOFR-OIS Compound	18,675 days	0.01-99,999,999,999.99

<sup>14</sup> This transaction will only be eligible as a SwapClear Transaction if it is a Legacy LIBOR Transaction as defined in Schedule 4 of Procedure 2C.

<sup>15</sup> This transaction will only be eligible as a SwapClear Transaction if it is a Legacy LIBOR Transaction as defined in Schedule 5 of the Procedure 2C.

<sup>16</sup> This transaction will only be eligible as a SwapClear Transaction if it is a Legacy LIBOR Transaction as defined in Schedule 5 of Procedure 2C.

Basis swap	USD	USD-SOFR-OIS Compound	USD-SOFR-OIS Compound	18,675 days	0.01-99,999,999,999.99
Interest rate swap	USD	Fixed	USD-BSBY <sup>17</sup>	4,050 days	0.01-99,999,999,999.99
Basis swap	USD	USD-FEDERAL FUNDS-H.15-OIS-COMPOUND	USD-SOFR-COMPOUND	18,675 days	0.01-99,999,999,999.99
Basis swap	USD	USD-Federal Funds-OIS Compound	USD-SOFR-OIS Compound	18,675 days	0.01-99,999,999,999.99
Basis swap	USD	USD-Federal Funds	USD-SOFR-OIS Compound	18,675 days	0.01-99,999,999,999.99
Basis swap	USD	USD-BSBY <sup>18</sup>	USD-SOFR-COMPOUND	4,050 days	0.01-99,999,999,999.99
Basis swap	USD	USD-BSBY <sup>19</sup>	USD-SOFR-OIS Compound	4,050 days	0.01-99,999,999,999.99
Basis swap	USD	USD-BSBY	USD-BSBY <sup>20</sup>	4,050 days	0.01-99,999,999,999.99
OIS	USD	Fixed	USD-Federal Funds H.15-OIS-COMPOUND	18,675 days	0.01-99,999,999,999.99
OIS	USD	Fixed	USD-Federal Funds-OIS Compound	18,675 days	0.01-99,999,999,999.99
Interest rate swap	EUR	Fixed	EUR-EURIBOR-Reuters	18,675 days	0.01-99,999,999,999.99
Interest rate swap	EUR	Fixed	EUR-EURIBOR	18,675 days	0.01-99,999,999,999.99
Basis swap	EUR	EUR-EURIBOR-Reuters	EUR-EURIBOR-Reuters	18,675 days	0.01-99,999,999,999.99
Basis swap	EUR	EUR-EURIBOR	EUR-EURIBOR	18,675 days	0.01-99,999,999,999.99

<sup>17</sup> BLOOMBERG, BLOOMBERG INDICES and BLOOMBERG SHORT-TERM BANK YIELD INDEX are trademarks or service marks of Bloomberg Finance L.P and its affiliates (collectively, "Bloomberg") and have been licensed for use for certain purposes by LCH Group. Bloomberg is not affiliated with LCH Group and does not approve, endorse, review, or recommend any financial instrument. Bloomberg or its licensors own all proprietary rights in the Bloomberg Short-Term Bank Yield Index. Bloomberg does not guarantee the timeliness, accurateness, or completeness of any data or information relating to Bloomberg Short-Term Bank Yield Index. Bloomberg makes no warranty, express or implied, as to the Bloomberg Short-Term Bank Yield Index or any data or values relating thereto or results to be obtained therefrom, and expressly disclaims all warranties of merchantability and fitness for a particular purpose with respect thereto. To the maximum extent allowed by law, Bloomberg, its licensors, and its and their respective employees, contractors, agents, suppliers, and vendors shall have no liability or responsibility whatsoever for any injury or damages-whether direct, indirect, consequential, incidental, punitive, or otherwise-arising in connection with the Bloomberg Short Term Bank Yield Index or any data or values relating thereto-whether arising from their negligence or otherwise

<sup>18</sup> Ibid footnote 17.

<sup>19</sup> Ibid footnote 17.

<sup>20</sup> Ibid footnote 17.

OIS	EUR	Fixed	EUR-EuroSTR-COMPOUND	18,675 days	0.01-99,999,999,999.99
OIS	EUR	Fixed	EUR-EuroSTR-OIS Compound	18,675 days	0.01-99,999,999,999.99
Basis swap	EUR	EUR-EURIBOR-Reuters	EUR-EuroSTR-COMPOUND	18,675 days	0.01-99,999,999,999.99
Basis swap	EUR	EUR-EURIBOR	EUR-EuroSTR-OIS Compound	18,675 days	0.01-99,999,999,999.99
Interest rate swap	AUD	Fixed	AUD-BBR-BBSW	11,375 days	0.01-99,999,999,999.99
Interest rate swap	AUD	Fixed	AUD-BBSW	11,375 days	0.01-99,999,999,999.99
Basis swap	AUD	AUD-BBR-BBSW	AUD-BBR-BBSW	11,375 days	0.01-99,999,999,999.99
Basis swap	AUD	AUD-BBSW	AUD-BBSW	11,375 days	0.01-99,999,999,999.99
Basis swap	AUD	AUD-AONIA-OIS-COMPOUND	AUD-BBR-BBSW	11,375 days	0.01-99,999,999,999.99
Basis swap	AUD	AUD-AONIA-OIS Compound	AUD-BBSW	11,375 days	0.01-99,999,999,999.99
OIS	AUD	Fixed	AUD-AONIA-OIS-COMPOUND	11,375 days	0.01-99,999,999,999.99
OIS	AUD	Fixed	AUD-AONIA-OIS Compound	11,375 days	0.01-99,999,999,999.99
Interest rate swap	CAD	Fixed	CAD-BA-CDOR	15,025 days	0.01-99,999,999,999.99
Interest rate swap	CAD	Fixed	CAD-CDOR	15,025 days	0.01-99,999,999,999.99
Basis swap	CAD	CAD-BA-CDOR	CAD-BA-CDOR	15,025 days	0.01-99,999,999,999.99
Basis swap	CAD	CAD-CDOR	CAD-CDOR	15,025 days	0.01-99,999,999,999.99
Basis swap	CAD	CAD-BA-CDOR	CAD-CORRA-OIS-COMPOUND	15,025 days	0.01-99,999,999,999.99
Basis swap	CAD	CAD-CDOR	CAD-CORRA-OIS Compound	15,025 days	0.01-99,999,999,999.99
OIS	CAD	Fixed	CAD-CORRA-OIS-COMPOUND	15,025 days	0.01-99,999,999,999.99
OIS	CAD	Fixed	CAD-CORRA-OIS Compound	15,025 days	0.01-99,999,999,999.99
Interest rate swap	CZK	Fixed	CZK-PRIBOR-PRBO	5,875 days	0.01-99,999,999,999.99
Interest rate swap	CZK	Fixed	CZK-PRIBOR	5,875 days	0.01-99,999,999,999.99



Basis swap	CZK	CZK-PRIBOR-PRBO	CZK-PRIBOR-PRBO	5,875 days	0.01-99,999,999,999.99
Basis swap	CZK	CZK-PRIBOR	CZK-PRIBOR	5,875 days	0.01-99,999,999,999.99
Interest rate swap	DKK	Fixed	DKK-CIBOR-DKNA13	11,375 days	0.01-99,999,999,999.99
Interest rate swap	DKK	Fixed	DKK-CIBOR	11,375 days	0.01-99,999,999,999.99
Interest rate swap	DKK	Fixed	DKK-CIBOR2-DKNA13	11,375 days	0.01-99,999,999,999.99
Interest rate swap	DKK	Fixed	DKK-CIBOR2	11,375 days	0.01-99,999,999,999.99
OIS	DKK	Fixed	DKK-DESTR-OIS Compound	4,050 days	0.01-99,999,999,999.99
Basis swap	DKK	DKK-CIBOR-DKNA13	DKK-CIBOR-DKNA13	11,375 days	0.01-99,999,999,999.99
Basis swap	DKK	DKK-CIBOR	DKK-CIBOR	11,375 days	0.01-99,999,999,999.99
Basis swap	DKK	DKK-CIBOR2-DKNA13	DKK-CIBOR2-DKNA13	11,375 days	0.01-99,999,999,999.99
Basis swap	DKK	DKK-CIBOR2	DKK-CIBOR2	11,375 days	0.01-99,999,999,999.99
Interest rate swap	HKD	Fixed	HKD-HIBOR-HKAB	5,700 days	0.01-99,999,999,999.99
Interest rate swap	HKD	Fixed	HKD-HIBOR	5,700 days	0.01-99,999,999,999.99
Interest rate swap	HKD	Fixed	HKD-HIBOR-ISDC	5,700 days	0.01-99,999,999,999.99
OIS	HKD	Fixed	HKD-HONIX-OIS-COMPOUND	4,050 days	0.01-99,999,999,999.99
OIS	HKD	Fixed	HKD-HONIA-OIS Compound	4,050 days	0.01-99,999,999,999.99
Basis swap	HKD	HKD-HIBOR-HKAB	HKD-HIBOR-HKAB	5,700 days	0.01-99,999,999,999.99
Basis swap	HKD	HKD-HIBOR	HKD-HIBOR	5,700 days	0.01-99,999,999,999.99
Basis swap	HKD	HKD-HIBOR-ISDC	HKD-HIBOR-ISDC	5,700 days	0.01-99,999,999,999.99
Basis swap	HKD	HKD-HONIX-OIS-COMPOUND	HKD-HIBOR-HKAB	4,050 days	0.01-99,999,999,999.99
Basis swap	HKD	HKD-HONIA-OIS Compound	HKD-HIBOR	4,050 days	0.01-99,999,999,999.99
Interest rate swap	HUF	Fixed	HUF-BUBOR-Reuters	7,700 days	1-10,000,000,000,000
Interest rate swap	HUF	Fixed	HUF-BUBOR	7,700 days	1-10,000,000,000,000

Basis swap	HUF	HUF-BUBOR-Reuters	HUF-BUBOR-Reuters	4,050 days	1-10,000,000,000,000
Basis swap	HUF	HUF-BUBOR	HUF-BUBOR	4,050 days	1-10,000,000,000,000
Interest rate swap	ILS	Fixed	ILS-TELBOR01-Reuters	4,050 days	0.01 - 99,999,999,999.99
Interest rate swap	ILS	Fixed	ILS-TELBOR	4,050 days	0.01 - 99,999,999,999.99
OIS	ILS	Fixed	ILS-SHIR-OIS Compound	4,050 days	0.01 - 99,999,999,999.99
Interest rate swap	JPY	Fixed	JPY-LIBOR-BBA	15,025 days	1-10,000,000,000,000 <sup>21</sup>
OIS	JPY	Fixed	JPY-TONA-OIS-COMPOUND	15,025 days	1-10,000,000,000,000
OIS	JPY	Fixed	JPY-TONA-OIS Compound	15,025 days	1-10,000,000,000,000
Interest rate swap	MXN	Fixed	MXN-TIIE-Banxico	7,700 days	0.01-99,999,999,999.99
Interest rate swap	MXN	Fixed	MXN-TIIE	7,700 days	0.01-99,999,999,999.99
<u>OIS</u>	<u>MXN</u>	<u>Fixed</u>	<u>MXN-TIIE ON-OIS Compound</u>	<u>7,700 days</u>	<u>0.01-99,999,999,999.99</u>
Interest rate swap	NOK	Fixed	NOK-NIBOR-OIBOR	11,375 days	0.01-99,999,999,999.99
Interest rate swap	NOK	Fixed	NOK-NIBOR	11,375 days	0.01-99,999,999,999.99
Interest rate swap	NOK	Fixed	NOK-NIBOR-NIBR	11,375 days	0.01-99,999,999,999.99
Basis swap	NOK	NOK-NIBOR-NIBR	NOK-NIBOR-NIBR	11,375 days	0.01-99,999,999,999.99
Basis swap	NOK	NOK-NIBOR-OIBOR	NOK-NIBOR-OIBOR	11,375 days	0.01-99,999,999,999.99
Basis swap	NOK	NOK-NIBOR	NOK-NIBOR	11,375 days	0.01-99,999,999,999.99
OIS	NOK	Fixed	NOK-NOWA-OIS Compound	5,875 days	0.01-99,999,999,999.99
Interest rate swap	NZD	Fixed	NZD-BBR-FRA	11,375 days	0.01-99,999,999,999.99
Interest rate swap	NZD	Fixed	NZD-BKBM FRA	11,375 days	0.01-99,999,999,999.99
OIS	NZD	Fixed	NZD-NZIONIA-OIS-COMPOUND	4,050 days	0.01-99,999,999,999.99

<sup>21</sup> This transaction will only be eligible as a SwapClear Transaction if it is a Legacy LIBOR Transaction as defined in Schedule 4 of Procedure 2C.



## **Appendix II**

### FCM Product Specific Contract Terms and Eligibility Criteria Manual

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FCM PRODUCT SPECIFIC CONTRACT TERMS AND ELIGIBILITY CRITERIA  
MANUAL

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**PART B**  
**PRODUCT ELIGIBILITY CRITERIA FOR REGISTRATION OF AN FCM SWAPCLEAR CONTRACT**

**1. FCM SwapClear Transaction**

Without prejudice to the FCM Regulations and the FCM Procedures, the Clearing House will only register an FCM SwapClear Contract pursuant to receipt of particulars of a transaction where at the time of the particulars being presented:

- (a) the transaction meets the FCM SwapClear Product Eligibility Criteria for registration as an FCM SwapClear Transaction; and
- (b) each party to the transaction is an Executing Party;

and the requirements of (a) and (b) continue to be satisfied at Registration Time.

**1.1 FCM SwapClear Product Eligibility Criteria for an FCM SwapClear Transaction**

- (a) Vanilla interest rate swaps and notional interest rate swaps having the characteristics set out in the table below:

<u>Instrument</u>	<u>Currency</u>	<u>Leg 1</u>	<u>Leg 2</u>	<u>Maximum Tenor</u>	<u>Notional Amount</u>
Interest rate swap	GBP	Fixed	GBP-LIBOR-BBA	18,675 days	0.01-99,999,999,999.99 <sup>14</sup>
OIS	GBP	Fixed	GBP-SONIA-COMPOUND	18,675 days	0.01-99,999,999,999.99
OIS	GBP	Fixed	GBP-SONIA-OIS Compound	18,675 days	0.01-99,999,999,999.99
Interest rate swap	USD	Fixed	USD-LIBOR-BBA	18,675 days	0.01-99,999,999,999.99 <sup>15</sup>
Interest rate swap	USD	Fixed	USD-LIBOR	18,675 days	0.01-99,999,999,999.99 <sup>16</sup>
OIS	USD	Fixed	USD-SOFR-COMPOUND	18,675 days	0.01-99,999,999,999.99
OIS	USD	Fixed	USD-SOFR-OIS Compound	18,675 days	0.01-99,999,999,999.99
Basis swap	USD	USD-SOFR-OIS Compound	USD-SOFR-OIS Compound	18,675 days	0.01-99,999,999,999.99

<sup>14</sup> This transaction will only be eligible as an FCM SwapClear Transaction if it is a Legacy LIBOR Transaction as defined in Schedule 2.1D of the FCM Procedures.

<sup>15</sup> This transaction will only be eligible as an FCM SwapClear Transaction if it is a Legacy LIBOR Transaction as defined in Schedule 2.1E of the FCM Procedures.

<sup>16</sup> This transaction will only be eligible as an FCM SwapClear Transaction if it is a Legacy LIBOR Transaction as defined in Schedule 2.1E of the FCM Procedures.

Interest rate swap	USD	Fixed	USD-BSBY <sup>17</sup>	4,050 days	0.01-99,999,999,999.99
Basis swap	USD	USD-FEDERAL FUNDS-H.15-OIS-COMPOUND	USD-SOFR-COMPOUND	18,675 days	0.01-99,999,999,999.99
Basis swap	USD	USD-Federal Funds-OIS Compound	USD-SOFR-OIS Compound	18,675 days	0.01-99,999,999,999.99
Basis swap	USD	USD-Federal Funds	USD-SOFR-OIS Compound	18,675 days	0.01-99,999,999,999.99
Basis swap	USD	USD-BSBY <sup>18</sup>	USD-SOFR-COMPOUND	4,050 days	0.01-99,999,999,999.99
Basis swap	USD	USD-BSBY <sup>19</sup>	USD-SOFR-OIS Compound	4,050 days	0.01-99,999,999,999.99
Basis swap	USD	USD-BSBY	USD-BSBY <sup>20</sup>	4,050 days	0.01-99,999,999,999.99
OIS	USD	Fixed	USD-Federal Funds H.15-OIS-COMPOUND	18,675 days	0.01-99,999,999,999.99
OIS	USD	Fixed	USD-Federal Funds-OIS Compound	18,675 days	0.01-99,999,999,999.99
Interest rate swap	EUR	Fixed	EUR-EURIBOR-Reuters	18,675 days	0.01-99,999,999,999.99
Interest rate swap	EUR	Fixed	EUR-EURIBOR	18,675 days	0.01-99,999,999,999.99
Basis swap	EUR	EUR-EURIBOR-Reuters	EUR-EURIBOR-Reuters	18,675 days	0.01-99,999,999,999.99
Basis swap	EUR	EUR-EURIBOR	EUR-EURIBOR	18,675 days	0.01-99,999,999,999.99
OIS	EUR	Fixed	EUR-EuroSTR-COMPOUND	18,675 days	0.01-99,999,999,999.99

<sup>17</sup> BLOOMBERG, BLOOMBERG INDICES and BLOOMBERG SHORT-TERM BANK YIELD INDEX are trademarks or service marks of Bloomberg Finance L.P and its affiliates (collectively, "Bloomberg") and have been licensed for use for certain purposes by LCH Group. Bloomberg is not affiliated with LCH Group and does not approve, endorse, review, or recommend any financial instrument. Bloomberg or its licensors own all proprietary rights in the Bloomberg Short-Term Bank Yield Index. Bloomberg does not guarantee the timeliness, accurateness, or completeness of any data or information relating to Bloomberg Short-Term Bank Yield Index. Bloomberg makes no warranty, express or implied, as to the Bloomberg Short-Term Bank Yield Index or any data or values relating thereto or results to be obtained therefrom, and expressly disclaims all warranties of merchantability and fitness for a particular purpose with respect thereto. To the maximum extent allowed by law, Bloomberg, its licensors, and its and their respective employees, contractors, agents, suppliers, and vendors shall have no liability or responsibility whatsoever for any injury or damages-whether direct, indirect, consequential, incidental, punitive, or otherwise-arising in connection with the Bloomberg Short Term Bank Yield Index or any data or values relating thereto-whether arising from their negligence or otherwise

<sup>18</sup> Ibid footnote 17.

<sup>19</sup> Ibid footnote 17.

<sup>20</sup> Ibid footnote 17.

OIS	EUR	Fixed	EUR-EuroSTR-OIS Compound	18,675 days	0.01-99,999,999,999.99
Basis swap	EUR	EUR-EURIBOR-Reuters	EUR-EuroSTR-COMPOUND	18,675 days	0.01-99,999,999,999.99
Basis swap	EUR	EUR-EURIBOR	EUR-EuroSTR-OIS Compound	18,675 days	0.01-99,999,999,999.99
Interest rate swap	AUD	Fixed	AUD-BBR-BBSW	11,375 days	0.01-99,999,999,999.99
Interest rate swap	AUD	Fixed	AUD-BBSW	11,375 days	0.01-99,999,999,999.99
Basis swap	AUD	AUD-BBR-BBSW	AUD-BBR-BBSW	11,375 days	0.01-99,999,999,999.99
Basis swap	AUD	AUD-BBSW	AUD-BBSW	11,375 days	0.01-99,999,999,999.99
Basis swap	AUD	AUD-AONIA-OIS-COMPOUND	AUD-BBR-BBSW	11,375 days	0.01-99,999,999,999.99
Basis swap	AUD	AUD-AONIA-OIS Compound	AUD-BBSW	11,375 days	0.01-99,999,999,999.99
OIS	AUD	Fixed	AUD-AONIA-OIS-COMPOUND	11,375 days	0.01-99,999,999,999.99
OIS	AUD	Fixed	AUD-AONIA-OIS Compound	11,375 days	0.01-99,999,999,999.99
Interest rate swap	CAD	Fixed	CAD-BA-CDOR	15,025 days	0.01-99,999,999,999.99
Interest rate swap	CAD	Fixed	CAD-CDOR	15,025 days	0.01-99,999,999,999.99
Basis swap	CAD	CAD-BA-CDOR	CAD-BA-CDOR	15,025 days	0.01-99,999,999,999.99
Basis swap	CAD	CAD-CDOR	CAD-CDOR	15,025 days	0.01-99,999,999,999.99
Basis swap	CAD	CAD-BA-CDOR	CAD-CORRA-OIS-COMPOUND	15,025 days	0.01-99,999,999,999.99
Basis swap	CAD	CAD-CDOR	CAD-CORRA-OIS Compound	15,025 days	0.01-99,999,999,999.99
OIS	CAD	Fixed	CAD-CORRA-OIS-COMPOUND	15,025 days	0.01-99,999,999,999.99
OIS	CAD	Fixed	CAD-CORRA-OIS Compound	15,025 days	0.01-99,999,999,999.99
Interest rate swap	CZK	Fixed	CZK-PRIBOR-PRBO	5,875 days	0.01-99,999,999,999.99
Interest rate swap	CZK	Fixed	CZK-PRIBOR	5,875 days	0.01-99,999,999,999.99
Basis swap	CZK	CZK-PRIBOR-PRBO	CZK-PRIBOR-PRBO	5,875 days	0.01-99,999,999,999.99

Basis swap	CZK	CZK-PRIBOR	CZK-PRIBOR	5,875 days	0.01-99,999,999,999.99
Interest rate swap	DKK	Fixed	DKK-CIBOR-DKNA13	11,375 days	0.01-99,999,999,999.99
Interest rate swap	DKK	Fixed	DKK-CIBOR	11,375 days	0.01-99,999,999,999.99
Interest rate swap	DKK	Fixed	DKK-CIBOR2-DKNA13	11,375 days	0.01-99,999,999,999.99
Interest rate swap	DKK	Fixed	DKK-CIBOR2	11,375 days	0.01-99,999,999,999.99
OIS	DKK	Fixed	DKK-DESTR-OIS Compound	4,050 days	0.01-99,999,999,999.99
Basis swap	DKK	DKK-CIBOR-DKNA13	DKK-CIBOR-DKNA13	11,375 days	0.01-99,999,999,999.99
Basis swap	DKK	DKK-CIBOR	DKK-CIBOR	11,375 days	0.01-99,999,999,999.99
Basis swap	DKK	DKK-CIBOR2-DKNA13	DKK-CIBOR2-DKNA13	11,375 days	0.01-99,999,999,999.99
Basis swap	DKK	DKK-CIBOR2	DKK-CIBOR2	11,375 days	0.01-99,999,999,999.99
Interest rate swap	HKD	Fixed	HKD-HIBOR-HKAB	5,700 days	0.01-99,999,999,999.99
Interest rate swap	HKD	Fixed	HKD-HIBOR	5,700 days	0.01-99,999,999,999.99
Interest rate swap	HKD	Fixed	HKD-HIBOR-ISDC	5,700 days	0.01-99,999,999,999.99
OIS	HKD	Fixed	HKD-HONIX-OIS-COMPOUND	4,050 days	0.01-99,999,999,999.99
OIS	HKD	Fixed	HKD-HONIA-OIS Compound	4,050, days	0.01-99,999,999,999.99
Basis swap	HKD	HKD-HIBOR-HKAB	HKD-HIBOR-HKAB	5,700 days	0.01-99,999,999,999.99
Basis swap	HKD	HKD-HIBOR	HKD-HIBOR	5,700 days	0.01-99,999,999,999.99
Basis swap	HKD	HKD-HIBOR-ISDC	HKD-HIBOR-ISDC	5,700 days	0.01-99,999,999,999.99
Basis swap	HKD	HKD-HONIX-OIS-COMPOUND	HKD-HIBOR-HKAB	4,050 days	0.01-99,999,999,999.99
Basis swap	HKD	HKD-HONIA-OIS Compound	HKD-HIBOR	4,050 days	0.01-99,999,999,999.99
Interest rate swap	HUF	Fixed	HUF-BUBOR-Reuters	7,700 days	1-10,000,000,000,000
Interest rate swap	HUF	Fixed	HUF-BUBOR	7,700 days	1-10,000,000,000,000
Basis swap	HUF	HUF-BUBOR-Reuters	HUF-BUBOR-Reuters	4,050 days	1-10,000,000,000,000



Basis swap	HUF	HUF-BUBOR	HUF-BUBOR	4,050 days	1-10,000,000,000,000
Interest rate swap	ILS	Fixed	ILS-TELBOR01-Reuters	4,050 days	0.01 - 99,999,999,999.99
Interest rate swap	ILS	Fixed	ILS-TELBOR	4,050 days	0.01 - 99,999,999,999.99
Interest rate swap	JPY	Fixed	JPY-LIBOR-BBA	15,025 days	1-10,000,000,000,000 <sup>21</sup>
OIS	JPY	Fixed	JPY-TONA-OIS-COMPOUND	15,025 days	1-10,000,000,000,000
OIS	JPY	Fixed	JPY-TONA-OIS Compound	15,025 days	1-10,000,000,000,000
Interest rate swap	MXN	Fixed	MXN-TIIE-Banxico	7,700 days	0.01-99,999,999,999.99
Interest rate swap	MXN	Fixed	MXN-TIIE	7,700 days	0.01-99,999,999,999.99
<u>OIS</u>	<u>MXN</u>	<u>Fixed</u>	<u>MXN-TIIE ON-OIS Compound</u>	<u>7,700 days</u>	<u>0.01-99,999,999,999.99</u>
Interest rate swap	NOK	Fixed	NOK-NIBOR-OIBOR	11,375 days	0.01-99,999,999,999.99
Interest rate swap	NOK	Fixed	NOK-NIBOR	11,375 days	0.01-99,999,999,999.99
Interest rate swap	NOK	Fixed	NOK-NIBOR-NIBR	11,375 days	0.01-99,999,999,999.99
Basis swap	NOK	NOK-NIBOR-NIBR	NOK-NIBOR-NIBR	11,375 days	0.01-99,999,999,999.99
Basis swap	NOK	NOK-NIBOR-OIBOR	NOK-NIBOR-OIBOR	11,375 days	0.01-99,999,999,999.99
Basis swap	NOK	NOK-NIBOR	NOK-NIBOR	11,375 days	0.01-99,999,999,999.99
OIS	NOK	Fixed	NOK-NOWA-OIS Compound	5,875 days	0.01-99,999,999,999.99
Interest rate swap	NZD	Fixed	NZD-BBR-FRA	11,375 days	0.01-99,999,999,999.99
Interest rate swap	NZD	Fixed	NZD-BKBM FRA	11,375 days	0.01-99,999,999,999.99
OIS	NZD	Fixed	NZD-NZIONIA-OIS-COMPOUND	4,050 days	0.01-99,999,999,999.99
OIS	NZD	Fixed	NZD-NZIONIA-OIS Compound	4,050 days	0.01-99,999,999,999.99
Basis swap	NZD	NZD-BBR-FRA	NZD-NZIONIA-OIS-COMPOUND	4,050 days	0.01-99,999,999,999.99

<sup>21</sup> This transaction will only be eligible as an FCM SwapClear Transaction if it is a Legacy LIBOR Transaction as defined in Schedule 2.1D of the FCM Procedures.