

September 29, 2013

Submitted via CFTC Portal

Secretary of the Commission
Office of the Secretariat
Commodity Futures Trading Commission
Three Lafayette Centre
1155 21st Street, N.W.
Washington, D.C. 20581

Re: *tpSEF Inc. – Regulation 40.2 Certification of Fixed for Floating Interest Rate Swaps*

Ladies and Gentlemen:

tpSEF Inc. (“tpSEF”) hereby notifies the Commodity Futures Trading Commission (the “Commission”) of its intent to list Fixed for Floating Interest Rate Swaps (the “Contracts”) on tpSEF’s swap execution facility. tpSEF intends to list these Contracts on October 2, 2013.

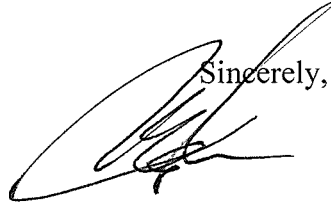
Pursuant to Commission Regulation 40.2, this submission includes:

- i. A copy of the submission cover sheet in accordance with the instructions in Appendix D to Part 40 of the Commission’s regulations, attached as Exhibit A;
- ii. The intended listing date – October 2, 2013;
- iii. A certification by tpSEF that: (a) the Contracts comply with the Commodity Exchange Act, as amended (the “Act”), and the Commission regulations thereunder; and (b) concurrent with this submission, tpSEF posted on its website: (i) a notice of pending certification of the Contracts and (ii) a copy of this submission, attached as Exhibit B;
- iv. The Contracts’ terms and conditions, attached as Exhibit C; and
- v. An explanation and analysis of the Contracts’ compliance with applicable core principles and Commission regulations, attached as Exhibit D.

Secretary of the Commission
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Questions regarding this submission should be directed to Brian Donnelly, Chief Compliance Officer, at (201) 984-6956 or by email at bddonnelly@tullettprebon.com, or to Mark Campbell, Chief Operating Officer, at (201) 557-5786 or by email at mcampbell@tullettprebon.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mark Campbell', written over a large, stylized circular flourish.

Mark Campbell

cc without enclosures:

Division of Market Oversight (Email: dmosubmissions@cftc.gov)
David Van Wagner (Email: dvanwagner@cftc.gov)
Nancy Markowitz (Email: nmarkowitz@cftc.gov)
Amir Zaidi (Email: azaidi@cftc.gov)
Aaron Brodsky (Email: abrodsky@cftc.gov)
Swati Shah (Email: sshah@cftc.gov)
Mark Campbell (Email: mcampbell@tullettprebon.com)

EXHIBIT A

SUBMISSION COVER SHEET

Registered Entity Identifier Code (optional)

Date: September 29, 2013

IMPORTANT: CHECK BOX IF CONFIDENTIAL TREATMENT IS REQUESTED.

ORGANIZATION | tpSEF Inc.

FILING AS A: DCM SEF DCO SDR ECM/SPDC

TYPE OF FILING

• **Rules and Rule Amendments**

- Certification under § 40.6 (a) or § 41.24 (a)
- “Non-Material Agricultural Rule Change” under § 40.4 (b)(5)
- Notification under § 40.6 (d)
- Request for Approval under § 40.4 (a) or § 40.5 (a)
- Advance Notice of SIDCO Rule Change under § 40.10 (a)

• **Products**

- Certification under § 39.5(b), § 40.2 (a), or § 41.23 (a)
- Swap Class Certification under § 40.2 (d)
- Request for Approval under § 40.3 (a)
- Novel Derivative Product Notification under § 40.12 (a)

RULE NUMBERS

Not applicable; the terms and conditions of “Fixed for Floating Interest Rate Swaps” are attached as Exhibit C.

DESCRIPTION

This submission contains a self-certification by tpSEF Inc. of Fixed for Floating Interest Rate Swaps.

EXHIBIT B

CERTIFICATIONS PURSUANT TO SECTION 5c OF THE COMMODITY EXCHANGE
ACT, 7 U.S.C. §7A-2 AND COMMODITY FUTURES TRADING COMMISSION
REGULATION 40.2, 17 C.F.R. §40.2

tpSEF Inc. (“tpSEF”) hereby certifies that: (i) Fixed for Floating Interest Rate Swaps (the “Contracts”) comply with the Commodity Exchange Act, 7 U.S.C. §1 *et seq.* and the Commodity Futures Trading Commission (“Commission”) regulations thereunder; and (ii) concurrent with this submission, tpSEF posted on its website: (a) a notice of pending certification of the Contracts with the Commission and (b) a copy of this submission.

TPSEF INC.

By:  _____

Name: Mark Campbell

Title: Chief Operating Officer

Date: September 29, 2013

EXHIBIT C

Terms and Conditions

| | |
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| Summary: | This covers fixed for floating interest rate swaps. |
| Limitations on Available Selections and Default Settings: | <p>The terms under which a Fixed for Floating Interest Rate Swap contract may be traded are as specified in these terms and conditions or in the attached tables.</p> <p>For amounts or rates, the relevant term cannot be less than the specified Minimum, must represent an even Increment and cannot exceed the Maximum; for a date, the date cannot be earlier than Earliest nor later than Latest.</p> <p>For Business Days, the defaults shall be the locations specified for the relevant currency, any additional locations specified for the relevant Floating Rate Options.</p> <p>The parties may add additional locations from the Available Locations and may eliminate some or all of the other locations, so long as there is at least one location in which payment may be made. For these purposes “TARGET” is considered a location.</p> <p>In many cases there are normal “vanilla” terms on which the parties will transact. These are shown as “Default ” and will apply unless the parties vary them.</p> <p>It should be noted that these contracts can be traded in a variety of currencies. Since each national market has its own peculiarities, the “Available Terms” and/or “Default Terms” may vary by currency.</p> <p>In some cases, the same contract might have different terms depending on the market in which it is traded (e.g., London versus NY). In that case the default settings may vary by market.</p> |
| Incorporated Standards: | <p>This contract description incorporates by reference the following industry standard documentation and standards:</p> <ul style="list-style-type: none"> (a) 2006 ISDA Definitions (b) ISDA Settlement Matrix (if Optional Early Termination applies) (c) ISDA OTC Taxonomies (d) FpML Location Codes <p>For convenience, certain terms are mapped to their FpML 5.5 equivalent.</p> |
| Product Type/ISDA OTC Taxonomy: | |
| ISDA OTC Asset Class: | Interest Rate |
| ISDA OTC Base Product: | IR Swap |

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| ISDA OTC Sub-Product: | Fixed Floating |
| Further Limitations: | None |
| Terms: | |
| Notional Amount (“notional”): | An amount in one of the Available Currencies (see below) agreed by the parties. |
| Effective Date (“effectiveDate”): | The date specified by the parties, adjusted in accordance with any applicable Business Day Convention. The parties may express the unadjusted Effective Date as a number of Business Days or Banking Days from the Trade Date (“relativeEffectiveDate”). |
| Effective Date Business Days: | As specified by the parties from among the Available Business Days |
| Effective Date Business Day Convention: | As specified by the parties from among the Available Business Day Conventions |
| Termination Date (“terminationDate”): | The date specified by the parties, adjusted in accordance with any applicable Business Day Convention. The parties may express the unadjusted Termination Date as a number of days, months or years from the Effective Date (“relativeTerminationDate”). |
| Termination Date Business Day Convention: | As specified by the parties from among the Available Business Day Conventions |
| Fixed Amount: | |
| Fixed Rate Payer (“payerPartyReference”): | As specified by the parties |
| Currency Amount (“notionalAmount”): | As specified by the parties |
| Fixed Rate Period End Dates (“unadjustedCalculation Period Date”): | As specified by the parties |
| first Period End Date: | As specified by the parties if there is a short initial Calculation Period |
| Fixed Rate Payment Dates (“unadjustedPaymentDate”): | As specified by the parties |
| Day Count Fraction: | As specified by the parties |
| Period End Dates Business Days: | As specified by the parties from among the Available Business Days |
| Period End Dates Business Day Convention: | As specified by the parties from among the Available Business Day Conventions |
| Payment Dates Business Days: | As specified by the parties from among the Available Business Days, subject to any Required Business Days |
| Payment Dates Business Day Convention: | As specified by the parties from among the Available Business Day Conventions |
| Floating Amount: | |
| Floating Rate Payer (“payerPartyReference”): | As specified by the parties |
| Currency Amount (“notionalAmount”): | As specified by the parties |
| Period End Dates (“unadjustedCalculation Period Date”): | As specified by the parties |
| first Period End Date: | As specified by the parties if there is a short initial Calculation Period |
| Payment Dates (“unadjustedPaymentDate”): | As specified by the parties |
| initial Floating Rate: | As specified by the parties |
| Floating Rate Option (“floatingRateIndex”): | As specified by the parties |
| Designated Maturity (“indexTenor”) | As specified by the parties |
| Linear Interpolation: | For the Calculation Periods specified by the parties |
| Shorter Designated Maturity for Linear Interpolation: | For a Calculation Period to which Linear Interpolation applies, as specified by the parties |
| Longer Designated Maturity for Linear Interpolation | For a Calculation Period to which Linear Interpolation |

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| | applies, as specified by the parties |
| Spread: | As specified by the parties |
| Day Count Fraction: | As specified by the parties |
| Reset Dates ("resetDate"): | As specified by the parties |
| Method of Averaging: | As specified by the parties |
| Compounding: | As specified by the parties |
| Compounding Dates | In the event Compounding is selected, as selected by the parties |
| Compounding Method (Compounding OR Flat Compounding): | In the event Compounding is selected, as selected by the parties |
| Period End Dates Business Days: | As specified by the parties from among the Available Business Days |
| Period End Dates Business Day Convention: | As specified by the parties from among the Available Business Day Conventions |
| Payment Dates Business Days: | As specified by the parties from among the Available Business Days, subject to any Required Business Days |
| Payment Dates Business Day Convention: | As specified by the parties from among the Available Business Day Conventions |
| Reset Dates Business Days: | As specified by the parties from among the Available Business Days, subject to any Required Business Days |
| Reset Dates Business Day Convention: | As specified by the parties from among the Available Business Day Conventions |
| Mark-to-Market Currency Swap: | |
| Mark-to-Market Currency Swap: | As specified by the parties, if the Currency Amounts are in different Currencies |
| Variable Currency Payer: | As specified by the parties if the transaction is a Mark-to-Market Currency Swap |
| Constant Currency Payer: | As specified by the parties if the transaction is a Mark-to-Market Currency Swap |
| Currency Exchange Rate: | As specified by the parties if the transaction is a Mark-to-Market Currency Swap and ISDA MTM Matrix is not applicable |
| ISDA MTM Matrix: | As specified by the parties if the transaction is a Mark-to-Market Currency Swap |
| Initial Exchange: | |
| Initial Exchange Date: | As specified by the parties |
| Fixed Rate Payer Initial Exchange Amount: | As specified by the parties |
| Floating Payer Initial Exchange Amount: | As specified by the parties |
| Currency: | As specified from the parties from the Available Currencies |
| Interim Exchanges: | |
| Interim Exchange Dates: | As specified by the parties |
| Fixed Rate Payer Interim Exchange Amount: | As specified by the parties |
| Fixed Rate Payer Interim Exchange Amount: | As specified by the parties |
| Currency: | As specified from the parties from the Available Currencies |
| Final Exchange: | |
| Final Exchange Date: | As specified by the parties |
| Fixed Rate Payer Final Exchange Amount: | As specified by the parties |
| Fixed Payer Final Exchange Amount: | As specified by the parties |
| Currency: | As specified from the parties from the Available Currencies |
| Optional Early Termination: | |

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| Optional Early Termination: | As specified by the parties |
| Option Style: | As specified by the parties |
| Optional Early Termination Date: | As specified by the parties |
| Seller: | As specified by the parties if only one party can terminate |
| Buyer: | As specified by the parties, if only one party can terminate |
| Seller's Agent: | As specified by the parties, if only one party can terminate |
| Business Days for Payments: | As specified by the parties from among the Available Business Days, subject to any Required Business Days |
| Exercise Business Days: | As specified by the parties |
| Optional Early Termination Procedure for Exercise: | |
| Commencement Date: | As specified by the parties, if the Option Style is American |
| Bermuda Option Exercise Dates: | As specified by the parties, if the Option Style is Bermuda |
| Expiration Date: | As specified by the parties |
| Expiration Time: | As specified by the parties |
| Earliest Exercise Time: | As specified by the parties |
| Latest Exercise Time: | As specified by the parties |
| Exercise Business Day: | As specified by the parties |
| Partial Exercise: | As specified by the parties, if Option Style is European |
| Multiple Exercise: | As specified by the parties, if Option Style is American or Bermuda |
| Minimum Notional Amount: | As specified by the parties if Partial Exercise or Multiple Exercise is specified |
| Maximum Notional Amount: | As specified by the parties if Multiple Exercise is specified |
| Integral Multiple: | As specified by the parties if Partial Exercise or Multiple Exercise is specified |
| Optional Early Termination Settlement Terms: | |
| Cash Settlement | As specified by the parties |
| ISDA Settlement Matrix: | As specified by the parties, if Cash Settlement is applicable to a single currency Transaction |
| ISDA Cross Currency Settlement Matrix | As specified by the parties, if Cash Settlement is applicable to a cross currency Transaction whose currencies are listed as a "currency pair" in the Cross Currency Settlement Matrix |
| Cash Settlement Valuation Time: | If Cash Settlement is applicable, as specified by the parties, directly or via the ISDA Settlement Matrix |
| Cash Settlement Valuation Date: | If Cash Settlement is applicable, as specified by the parties, directly or via the ISDA Settlement Matrix |
| Valuation Business Days: | If Cash Settlement is applicable, as specified by the parties, directly or via the ISDA Settlement Matrix |
| Cash Settlement Payment Date: | If Cash Settlement is applicable, as specified by the parties, directly or via the ISDA Settlement Matrix |
| Cash Settlement Payment Date Business Days Convention: | If Cash Settlement is applicable, as specified by the parties, directly or via the ISDA Settlement Matrix |
| Cash Settlement Method: | If Cash Settlement is applicable, as specified by the parties from Available Cash Settlement Methods, directly or via the ISDA Settlement Matrix |
| Cash Settlement Currency: | If Cash Settlement is applicable, and "Cash Price" or |

| | |
|----------------------------------|---|
| | “Cash Price—Alternate” apply, as specified by the parties from Available Cash Settlement Methods, directly or via the ISDA Settlement Matrix |
| Settlement Rate: | If Cash Settlement is applicable, and “Par Yield Curve—Adjusted,” “Par Yield Curve—Unadjusted” or “Zero Coupon Curve—Adjusted” apply, as specified by the parties from Available Cash Settlement Methods, directly or via the ISDA Settlement Matrix parties from Available Cash Settlement Methods, directly or via the ISDA Settlement Matrix |
| Cash Settlement Reference Banks: | As specified by the parties, if Settlement Rate is applicable |
| Cash Settlement Reference Banks: | If Cash Settlement is applicable, as specified by the parties |
| Quotation Rate: | If Cash Settlement is applicable, as specified by the parties from among the Available Quotation Rates |
| Calculation Agent: | As agreed by the parties |

Fixed Floating Available Currencies and Required Business Days

| Three Letter Currency Code (ISDA/ISO) | Currency Name (ISDA) | Basic Business Day Locations For Currency (FpML Codes) |
|---------------------------------------|-----------------------|--|
| AUD | Australian Dollar | AUSY |
| CAD | Canadian Dollar | CATO |
| CHF | Swiss Franc | CHZU |
| CNH | Chinese Renminbi (HK) | HKHK and CNBE |
| CNY | Chinese Renminbi | CNBE |
| CZK | Czech Koruna | CZPR |
| DKK | Danish Krone | DKCO |
| EUR | Euro | EUTA |
| GBP | Sterling | GBLO |
| HKD | Hong Kong Dollar | HKHK |
| HUF | Hungarian Forint | HUBU |
| ILS | Israeli Shekel | ILTA |
| JPY | Japanese Yen | JPTO |
| KRW | Korean Won | KRSE |
| MXN | Mexican Peso (New) | MXMC |
| MYR | Malaysian Ringgit | MYKL |
| NOK | Norwegian Krone | NOOS |
| NZD | New Zealand Dollar | NZAU and NZWE |
| PHP | Phillipine Peso | PHMA |
| PLN | Polish Zloty | PLWA |
| RUB | Russian Ruble | RUMO |
| SAR | Saudi Arabian Riyal | SARI |
| SEK | Swedish Krona | SEST |
| SGD | Singapore Dollar | SGSI |
| THB | Thai Baht | THBA |
| TWD | Taiwan Dollar | TWTA |
| USD | United States Dollars | USNY |
| ZAR | South African Rand | ZAJ0 |

Fixed Floating Available Business Day Conventions

| ISDA Name |
|--------------------------------------|
| Following |
| Modified/Modified Following |
| No Adjustment |
| Preceding |
| FRN Convention/Eurodollar Convention |

Fixed Floating Available Day Count Fractions

| ISDA Name |
|--|
| 1/1 |
| 30/360, 360/360, Bond Basis |
| Actual/360 |
| Actual/365 (Fixed), Act/365 (Fixed), A/365 (Fixed), A/365F |
| Actual/Actual, Actual/Actual (ISDA), Act/Act, Act/Act (ISDA) |
| Actual/Actual (ICMA), Act/Act, Act/Act (ICMA) |

Fixed Floating Default Effective Dates

| Currency | Default Effective Date |
|------------------------------------|------------------------|
| All Currencies Other than CAD, GBP | Plus Two Banking Days |
| CAD, GBP | Plus Zero |

Fixed Floating Earliest and Latest Effective and Termination Dates

| Currency | Earliest Effective Date | Latest Effective Date | Earliest Termination Date | Latest Termination Date |
|----------|-------------------------|-----------------------|---------------------------|-------------------------|
| N/A | N/A | N/A | N/A | N/A |

Fixed Floating Notional Amounts

| Currency | Minimum | Increment | Maximum | Default |
|----------|---------------|-------------|---------|---------|
| AUD | 25,000,000 | 100,000 | N/A | N/A |
| CAD | 25,000,000 | 1,000,000 | N/A | N/A |
| CHF | 5,000,000 | 100,000 | N/A | N/A |
| CNH | 5,000,000 | 100,000 | N/A | N/A |
| CNY | 5,000,000 | 100,000 | N/A | N/A |
| CZK | 5,000,000 | 100,000 | N/A | N/A |
| DKK | 5,000,000 | 100,000 | N/A | N/A |
| EUR | 25,000,000 | 100,000 | N/A | N/A |
| GBP | 25,000,000 | 100,000 | N/A | N/A |
| HKD | 25,000,000 | 100,000 | N/A | N/A |
| HUF | 5,000,000 | 100,000 | N/A | N/A |
| ILS | 5,000,000 | 100,000 | N/A | N/A |
| JPY | 2,500,000,000 | 100,000,000 | N/A | N/A |
| KRW | 5,000,000 | 100,000 | N/A | N/A |
| MXN | 10,000,000 | 1,000,000 | N/A | N/A |
| MYR | 5,000,000 | 100,000 | N/A | N/A |
| NOK | 5,000,000 | 100,000 | N/A | N/A |
| NZD | 5,000,000 | 100,000 | N/A | N/A |
| PHP | 5,000,000 | 100,000 | N/A | N/A |
| PLN | 5,000,000 | 100,000 | N/A | N/A |
| RUB | 5,000,000 | 100,000 | N/A | N/A |
| SAR | 5,000,000 | 100,000 | N/A | N/A |
| SEK | 5,000,000 | 100,000 | N/A | N/A |
| SGD | 5,000,000 | 100,000 | N/A | N/A |
| THB | 5,000,000 | 100,000 | N/A | N/A |
| TWD | 5,000,000 | 100,000 | N/A | N/A |
| USD | 25,000,000 | 1,000,000 | N/A | N/A |
| ZAR | 5,000,000 | 100,000 | N/A | N/A |

Fixed Floating Rate Options and Defaults

| Floating Rate Option | Available Tenors | Default Tenor | Default Day Count Fraction | Additional Business Day Locations |
|--|-------------------|---------------|----------------------------|-----------------------------------|
| AUD-AONIA-OIS-COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-AONIA-OIS-COMPOUND-SwapMarker | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-BBR-AUBBSW | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-BBR-BBSW | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-BBR-BBSW-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-BBR-BBSY (BID) | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-BBR-ISDC | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-LIBOR-BBA | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-LIBOR-BBA-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-LIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-Quarterly Swap Rate-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-Quarterly Swap Rate-ICAP-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-Semi-annual Swap Rate-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-Semi-Annual Swap Rate-ICAP-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| AUD-Swap Rate-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |

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|-----------------------------------|-------------------|-----|---------------|--------------------------------|
| BRL-CDI | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-BA-CDOR | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-BA-CDOR- Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-BA-ISDD | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-BA-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-BA-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-BA-Telerate | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-CORRA-OIS- COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-ISDA-Swap Rate | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-LIBOR-BBA | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |
| CAD-LIBOR-BBA- Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |
| CAD-LIBOR-BBA- SwapMarker | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |
| CAD-LIBOR- Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |
| CAD-REPO-CORRA | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-TBILL-ISDD | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-TBILL-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-TBILL-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |
| CAD-TBILL-Telerate | All quoted tenors | N/A | Per ISDA 2006 | N |
| CHF USD-Basis Swaps-11:00-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |

| | | | | |
|---|-------------------|-----|---------------|---|
| CHF-Annual Swap Rate | All quoted tenors | N/A | Per ISDA 2006 | N |
| CHF-Annual Swap Rate-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| CHF-ISDAFIX-Swap Rate | All quoted tenors | N/A | Per ISDA 2006 | N |
| CHF-LIBOR-BBA | All quoted tenors | N/A | Per ISDA 2006 | N |
| CHF-LIBOR-BBA-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| CHF-LIBOR-ISDA | All quoted tenors | N/A | Per ISDA 2006 | N |
| CHF-LIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| CHF-OIS-11:00-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| CHF-TOIS-OIS-COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| CL-CLICP-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| CNH-HIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| CNH-HIBOR-TMA | All quoted tenors | N/A | Per ISDA 2006 | N |
| CNY-CNREPOFIX=CFXS-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |
| CNY-Semi-Annual Swap Rate-11:00-BGCANTOR | All quoted tenors | N/A | Per ISDA 2006 | N |
| CNY-Semi-Annual Swap Rate-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| CNY-SHIBOR-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |
| CZK-Annual Swap Rate-11:00- | All quoted tenors | N/A | Per ISDA 2006 | N |

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|--|-------------------|-----|---------------|---|--|
| BGCANTOR | | | | | |
| CZK-Annual Swap Rate-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N | |
| CZK-PRIBOR-PRBO | All quoted tenors | N/A | Per ISDA 2006 | N | |
| CZK-PRIBOR- Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N | |
| DKK-CIBOR- DKNA13 | All quoted tenors | N/A | Per ISDA 2006 | N | |
| DKK-CIBOR- DKNA13-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N | |
| DKK-CIBOR- Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N | |
| DKK-CIBOR2- DKNA13 | All quoted tenors | N/A | Per ISDA 2006 | N | |
| DKK-CITA-DKNA14- COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N | |
| DKK-DKKOIS-OIS- COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N | |
| EUR USD-Basis Swaps-11:00-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N | |
| EUR-Annual Swap Rate-10:00 | All quoted tenors | N/A | Per ISDA 2006 | N | |
| EUR-Annual Swap Rate-10:00-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N | |
| EUR-Annual Swap Rate-10:00-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N | |
| EUR-Annual Swap Rate-10:00- SwapMarker | All quoted tenors | N/A | Per ISDA 2006 | N | |
| EUR-Annual Swap Rate-11:00 | All quoted tenors | N/A | Per ISDA 2006 | N | |

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|--|-------------------|-----|---------------|---|
| EUR-Annual Swap Rate-11:00-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-Annual Swap Rate-11:00-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-Annual Swap Rate-11:00- SwapMarker | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-Annual Swap Rate-3 Month | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-Annual Swap Rate-3 Month- SwapMarker | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-Annual Swap Rate-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-EONIA- AVERAGE | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-EONIA-OIS- 10:00-BGCANTOR | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-EONIA-OIS- 10:00-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-EONIA-OIS- 11:00-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-EONIA-OIS- COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-EONIA-OIS- COMPOUND- Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-EONIA-Swap- Index | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-EURIBOR- Act/365 | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-EURIBOR- Act/365-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |

| | | | | |
|----------------------------------|-------------------|-----|---------------|---|
| EUR-EURIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-EURIBOR-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-EURIBOR-Telerate | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-EURONIA-OIS-COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-ISDA-EURIBOR Swap Rate-11:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-ISDA-EURIBOR Swap Rate-12:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-ISDA-LIBOR Swap Rate-10:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-ISDA-LIBOR Swap Rate-11:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-LIBOR-BBA | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-LIBOR-BBA-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-LIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-TAM-CDC | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-TEC10-CNO | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-TEC10-CNO-SwapMarker | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-TEC10-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-TEC5-CNO | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-TEC5-CNO-SwapMarker | All quoted tenors | N/A | Per ISDA 2006 | N |

| | | | | |
|---|-------------------|-----|---------------|---|
| EUR-TEC5-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| EUR-TMM-CDC-COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| GBP USD-Basis Swaps-11:00-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| GBP-ISDA-Swap Rate | All quoted tenors | N/A | Per ISDA 2006 | N |
| GBP-LIBOR-BBA | All quoted tenors | N/A | Per ISDA 2006 | N |
| GBP-LIBOR-BBA-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| GBP-LIBOR-ISDA | All quoted tenors | N/A | Per ISDA 2006 | N |
| GBP-LIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| GBP-Semi-Annual Swap Rate | All quoted tenors | N/A | Per ISDA 2006 | N |
| GBP-Semi-Annual Swap Rate-11:00-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| GBP-Semi-Annual Swap Rate-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| GBP-SONIA-OIS-11:00-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| GBP-WMBA-RONIA-COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| GBP-WMBA-SONIA-COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| GRD-ATHIBOR-ATHIBOR | All quoted tenors | N/A | Per ISDA 2006 | N |
| GRD-ATHIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| GRD-ATHIBOR- | All quoted tenors | N/A | Per ISDA 2006 | N |

| | | | | | |
|--|-------------------|-----|---------------|---|--|
| Telerate | | | | | |
| GRD-ATHIMID-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N | |
| GRD-ATHIMID-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HKD-HIBOR-HIBOR-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HKD-HIBOR-HIBOR= | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HKD-HIBOR-HKAB | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HKD-HIBOR-HKAB-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HKD-HIBOR-ISDC | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HKD-HIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HKD-HONIX-OIS-COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HKD-ISDA-Swap Rate-11:00 | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HKD-ISDA-Swap Rate-4:00 | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HKD-Quarterly-Annual Swap Rate-11:00-BGCANTOR | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HKD-Quarterly-Annual Swap Rate-4:00-BGCANTOR | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HKD-Quarterly-Annual Swap Rate-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N | |
| HUF-BUBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N | |

| | | | | |
|--------------------------------|-------------------|-----|---------------|-----------------------------|
| HUF-BUBOR-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |
| ILS-TELBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| ILS-TELBOR01-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY USD-Basis Swaps-11:00-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-BBSF-Bloomberg-10:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-BBSF-Bloomberg-15:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-ISDA-Swap Rate-10:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-ISDA-Swap Rate-15:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-LIBOR-BBA | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |
| JPY-LIBOR-BBA-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |
| JPY-LIBOR-FRASETT | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |
| JPY-LIBOR-ISDA | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |
| JPY-LIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |
| JPY-MUTANCALL-TONAR | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-OIS-11:00-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TIBOR-17096 | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TIBOR-17097 | All quoted tenors | N/A | Per ISDA 2006 | N |

| | | | | |
|--------------------------------------|-------------------|-----|---------------|---|
| JPY-TIBOR-TIBM (10 Banks) | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TIBOR-TIBM (5 Banks) | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TIBOR-TIBM (All Banks) | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TIBOR-TIBM (All Banks)-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TIBOR-TIBM-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TIBOR-ZTIBOR | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TONA-OIS-COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TSR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TSR-Reuters-10:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TSR-Reuters-15:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TSR-Telerate-10:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| JPY-TSR-Telerate-15:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| KRW-CD-3220 | All quoted tenors | N/A | Per ISDA 2006 | N |
| KRW-CD-KSDA-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| MXN-TIIE-Banxico | All quoted tenors | N/A | Per ISDA 2006 | N |
| MXN-TIIE-Banxico-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| MXN-TIIE-Banxico-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |

| | | | | |
|---|-------------------|-----|---------------|---|
| MYR-KLIBOR-BNM | All quoted tenors | N/A | Per ISDA 2006 | N |
| MYR-KLIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| NOK-NIBOR-NIBR | All quoted tenors | N/A | Per ISDA 2006 | N |
| NOK-NIBOR-NIBR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| NOK-NIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| NZD-BBR-BID | All quoted tenors | N/A | Per ISDA 2006 | N |
| NZD-BBR-FRA | All quoted tenors | N/A | Per ISDA 2006 | N |
| NZD-BBR-ISDC | All quoted tenors | N/A | Per ISDA 2006 | N |
| NZD-BBR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| NZD-BBR-Telerate | All quoted tenors | N/A | Per ISDA 2006 | N |
| NZD-NZIONA-OIS-COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| NZD-Swap Rate-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| NZD-Swap Rate-ICAP-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| PHP-Semi-Annual Swap Rate-11:00-BGCANTOR | All quoted tenors | N/A | Per ISDA 2006 | N |
| PHP-Semi-Annual Swap Rate-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| PLN-WIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| PLN-WIBOR-WIBO | All quoted tenors | N/A | Per ISDA 2006 | N |
| PLZ-WIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |

| | | | | |
|---|-------------------|-----|---------------|---|
| PLZ-WIBOR-WIBO | All quoted tenors | N/A | Per ISDA 2006 | N |
| RUB-Annual Swap Rate-11:00- BGCANTOR | All quoted tenors | N/A | Per ISDA 2006 | N |
| RUB-Annual Swap Rate-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| RUB-MOSPRIME- NFEA | All quoted tenors | N/A | Per ISDA 2006 | N |
| RUB-MOSPRIME- Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| SAR-SRIOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| SAR-SRIOR-SUAA | All quoted tenors | N/A | Per ISDA 2006 | N |
| SEK-Annual Swap Rate | All quoted tenors | N/A | Per ISDA 2006 | N |
| SEK-Annual Swap Rate-SESWFI | All quoted tenors | N/A | Per ISDA 2006 | N |
| SEK-SIOR-OIS- COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| SEK-STIBOR- Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| SEK-STIBOR- Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| SEK-STIBOR-SIDE | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-Semi-Annual Swap Rate-11:00- BGCANTOR | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-Semi-Annual Swap Rate-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-Semi-Annual Swap Rate-ICAP- Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |

| | | | | |
|---|-------------------|-----|---------------|---|
| SGD-Semi-Annual Swap Rate-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-SIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-SIBOR-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-SIBOR-Telerate | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-SONAR-OIS-COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-SONAR-OIS-VWAP-COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-SOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-SOR-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-SOR-Telerate | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-SOR-VWAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| SGD-SOR-VWAP-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| THB-Semi-Annual Swap Rate-11:00-BGCANTOR | All quoted tenors | N/A | Per ISDA 2006 | N |
| THB-Semi-Annual Swap Rate-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| THB-SOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| THB-SOR-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |
| THB-SOR-Telerate | All quoted tenors | N/A | Per ISDA 2006 | N |
| THB-THBFIX-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |
| TWD-Quarterly-Annual Swap Rate- | All quoted tenors | N/A | Per ISDA 2006 | N |

| | | | | | |
|--|-------------------|-----|---------------|---|--|
| 11:00-BGCANTOR | | | | | |
| TWD-Quarterly-Annual Swap Rate-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N | |
| TWD-Reference Dealers | All quoted tenors | N/A | Per ISDA 2006 | N | |
| TWD-Reuters-6165 | All quoted tenors | N/A | Per ISDA 2006 | N | |
| TWD-Telerate-6165 | All quoted tenors | N/A | Per ISDA 2006 | N | |
| TWD-TWCPBA | All quoted tenors | N/A | Per ISDA 2006 | N | |
| USD-Annual Swap Rate-11:00-BGCANTOR | All quoted tenors | N/A | Per ISDA 2006 | N | |
| USD-BA-H.15 | All quoted tenors | N/A | Per ISDA 2006 | N | |
| USD-BA-Reference Dealers | All quoted tenors | N/A | Per ISDA 2006 | N | |
| USD-BMA Municipal Swap Index | All quoted tenors | N/A | Per ISDA 2006 | N | |
| USD-CD-H.15 | All quoted tenors | N/A | Per ISDA 2006 | N | |
| USD-CD-Reference Dealers | All quoted tenors | N/A | Per ISDA 2006 | N | |
| USD-CMS-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N | |
| USD-CMS-Reference Banks-ICAP SwapPX | All quoted tenors | N/A | Per ISDA 2006 | N | |
| USD-CMS-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N | |
| USD-CMS-Telerate | All quoted tenors | N/A | Per ISDA 2006 | N | |
| USD-CMT-T7051 | All quoted tenors | N/A | Per ISDA 2006 | N | |
| USD-CMT-T7052 | All quoted tenors | N/A | Per ISDA 2006 | N | |

| | | | | |
|-------------------------------------|-------------------|-----|---------------|-----------------------------|
| USD-COF11-FHLBSF | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-COF11-Reuters | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-COF11-Telerate | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-CP-H.15 | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-CP-Reference Dealers | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-Federal Funds-H.15 | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-Federal Funds-H.15-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-Federal Funds-H.15-OIS-COMPOUND | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-Federal Funds-Reference Dealers | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-FFCB-DISCO | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-ISDA-Swap Rate | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-ISDA-Swap Rate-3:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-ISDAFIX3-Swap Rate | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-ISDAFIX3-Swap Rate-3:00 | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-LIBOR-BBA | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-LIBOR-BBA-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |
| USD-LIBOR-ISDA | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |
| USD-LIBOR-LIBO | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |

| | | | | |
|--------------------------------|-------------------|-----|---------------|-----------------------------|
| USD-LIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | GBLO (Applies to Both Legs) |
| USD-OIS-11:00-BGCANTOR | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-OIS-11:00-LON-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-OIS-11:00-NY-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-OIS-3:00-BGCANTOR | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-OIS-3:00-NY-ICAP | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-Prime-H.15 | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-Prime-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-S&P Index-High Grade | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-SIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-SIBOR-SIBO | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-SIFMA Municipal Swap Index | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-TBILL-H.15 | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-TBILL-H.15-Bloomberg | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-TBILL-Secondary Market | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-TIBOR-ISDC | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-TIBOR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |

| | | | | |
|---|-------------------|-----|---------------|---|
| USD-Treasury Rate- ICAP BrokerTec | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-Treasury Rate- SwapMarker100 | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-Treasury Rate- SwapMarker99 | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-Treasury Rate- T19901 | All quoted tenors | N/A | Per ISDA 2006 | N |
| USD-Treasury Rate- T500 | All quoted tenors | N/A | Per ISDA 2006 | N |
| VND-Semi-Annual Swap Rate-11:00- BGCANTOR | All quoted tenors | N/A | Per ISDA 2006 | N |
| VND-Semi-Annual Swap Rate-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| ZAR-DEPOSIT- Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| ZAR-DEPOSIT- SAFEX | All quoted tenors | N/A | Per ISDA 2006 | N |
| ZAR-JIBAR-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |
| ZAR-JIBAR-SAFEX | All quoted tenors | N/A | Per ISDA 2006 | N |
| ZAR-PRIME- AVERAGE | All quoted tenors | N/A | Per ISDA 2006 | N |
| ZAR-PRIME- AVERAGE-Reference Banks | All quoted tenors | N/A | Per ISDA 2006 | N |

Fixed Floating Requirements and Defaults
(Excluding Optional Early Termination and Mandatory Early Termination)

| Variable | Requirement | Default |
|--|--|---|
| Effective Date Business Day Convention | | No Adjustment |
| Termination Date Business Day Convention | | No Adjustment |
| Period End Dates | | Payment Dates |
| Payment Date Business Day Convention | | Modified Following |
| Linear Interpolation | | Applicable only to long or short stub periods |
| Designated Maturities for Linear Interpolation | | Tenors quoted next shorter and longer than the actual Calculation Period length |
| Compounding | | Inapplicable |
| Compounding Business Day Convention | Same as Business Day Convention for Period End Dates | |
| Method of Averaging | Weighted Average or Unweighted Average | Unweighted Average |
| Compounding Method: | Straight Compounding, Flat Compounding, Spread Exclusive Compounding | |
| ISDA MTM Matrix | | Applicable (to Mark-to-Market Cross Currency Swaps) |
| Initial Exchange Date: | | Effective Date |
| Initial Exchange Date Business Day Convention: | | Following |
| Interim Exchange Date Business Day Convention: | | Modified Following |
| Final Exchange Date | | Termination Date |
| Final Exchange Date Business Day Convention: | | Modified Following |

Fixed Floating Requirements and Defaults
(Optional Early Termination and Mandatory Early Termination)

| Setting | Requirement | Default |
|--|--|---|
| Optional Early Termination: | | Inapplicable |
| Mandatory Early Termination: | | Inapplicable |
| Option Style: | American, Bermuda, European | |
| Cash Settlement: | Required for Mandatory Early Termination | Applicable (i.e., Transaction is not "torn up for no value") |
| Optional Early Termination Date: | | Cash Settlement Payment Date |
| Optional Early Termination Date Business Day Convention | | Following |
| Mandatory Early Termination Date Business Day Convention | | Modified Following |

Fixed Floating Requirements and Defaults
(Optional Early Termination—Exercise)

| Setting | Requirement | Default |
|-----------------------|--|--|
| Commencement Date: | American only | |
| Partial Exercise: | | Inapplicable |
| Multiple Exercise: | | Inapplicable |
| Exercise Business Day | | Banking Day for cash Settlement Currency (TARGET Settlement Day for EUR) |
| Latest Exercise Time | On Expiration Date, the Expiration Time | Other than Expiration Date, the Expiration Time |

Fixed Floating Requirements and Defaults
(Cash Settlement)

| Setting | Requirement/Choices | Default |
|--|--|--|
| Cash Settlement Amount | | |
| ISDA Cross Currency Settlement Matrix | | Applicable, if cross currency swap with currency pair included in Matrix |
| ISDA Settlement Matrix | | Applicable, if single currency swap with Currency included in Matrix |
| Cash Settlement Valuation Time | | |
| Cash Settlement Valuation Date | | Two Valuation Business Days before Mandatory/Optional Early Termination Date but same day for CAD, GBP or DKK with Floating Rate Option of “DKK-CIBOR-DKNA13” or “DKK-CIBOR-DKNA13-Bloomberg” |
| Valuation Business Day | | Banking Days in locations per the Business Day Location Table, plus additional days required by for fixings under the Floating Rate Option(s) |
| Cash Settlement Payment Date Business Day Convention | | Following |
| Cash Settlement Method | Cash Price Cash Price—Alternate Method Collateralized Cash Price Par Yield Curve—Adjusted Par Yield Curve—Unadjusted Zero Coupon Yield—Adjusted | |
| Cash Settlement Currency | | For single currency, same as Notional Amount, otherwise as specified in ISDA Master Agreement, or otherwise same as Notional Amount for Fixed Amount |
| Settlement Rate | ISDA Source/Other Price Source/Reference Banks | |
| Cash Settlement Reference Banks | | Fallbacks per ISDA 2006 Definitions |
| Quotation Rate | bid ask mid Exercising Party Pays (Optional Early Termination Only) | |

EXHIBIT D

**EXPLANATION AND ANALYSIS OF THE CONTRACTS' COMPLIANCE WITH
APPLICABLE CORE PRINCIPLES AND COMMISSION REGULATIONS**

As required by Commodity Futures Trading Commission ("Commission") Regulation 40.2(a), the following analysis, in narrative form, demonstrates that Fixed for Floating Interest Rate Swaps (the "Contracts") are consistent with the requirements of the Commodity Exchange Act, as amended (the "Act"), and the Commission regulations and guidance thereunder (in particular, Appendix B to Part 37 and Appendix C to Part 38).

Appendix B to Part 37

**CORE PRINCIPLE 3 OF SECTION 5H OF THE ACT—SWAPS NOT READILY SUSCEPTIBLE TO
MANIPULATION; CORE PRINCIPLE 4 OF SECTION 5H OF THE ACT—MONITORING OF TRADING AND
TRADE PROCESSING**

The swap execution facility shall permit trading only in swaps that are not readily susceptible to manipulation.

(a) *Guidance.*

(1) In general, a swap contract is an agreement to exchange a series of cash flows over a period of time based on some reference price, which could be a single price, such as an absolute level or a differential, or a price index calculated based on multiple observations. Moreover, such a reference price may be reported by the swap execution facility itself or by an independent third party. When listing a swap for trading, a swap execution facility shall ensure a swap's compliance with Core Principle 3, paying special attention to the reference price used to determine the cash flow exchanges. Specifically, Core Principle 3 requires that the reference price used by a swap not be readily susceptible to manipulation. As a result, when identifying a reference price, a swap execution facility should either: Calculate its own reference price using suitable and well-established acceptable methods or carefully select a reliable third-party index.

(2) The importance of the reference price's suitability for a given swap is similar to that of the final settlement price for a cash-settled futures contract. If the final settlement price is manipulated, then the futures contract does not serve its intended price discovery and risk management functions. Similarly, inappropriate reference prices cause the cash flows between the buyer and seller to differ from the proper amounts, thus benefitting one party and disadvantaging the other. Thus, careful consideration should be given to the potential for manipulation or distortion of the reference price.

The reference rate for the floating leg of the Contracts is one of several widely used benchmarks such as USD-LIBOR-BBA. These rates are administered and calculated by third-party providers using specific guidelines. Many of these providers are regulated in their home jurisdiction.

The Contracts are not susceptible to manipulation for a number of reasons. First, interest rate products are very liquid – the market is very large and deep, making manipulation very difficult to achieve. Second, tpSEF has established rules and an enforcement infrastructure to prevent manipulation. tpSEF staff conduct real-time market surveillance and the National Futures Association ("NFA") provides regulatory services on a T+1 basis. NFA's services include comprehensive trade practice and market surveillance

services (the scope of which can be found in the Regulatory Services Agreement between NFA and tpSEF submitted to the Commission as part of tpSEF's swap execution facility application) (note that the foregoing also demonstrates compliance with Core Principle 4). Finally, the reference rates upon which the Contracts are based are difficult for any entity or group of market participants to manipulate.

(3) For swaps that are settled by physical delivery or by cash settlement refer to the guidance in Appendix C to Part 38 of this chapter—Demonstration of Compliance that a Contract is not Readily Susceptible to Manipulation, section b(2) and section c(4), respectively.

Please see below.

Appendix C to Part 38 - Demonstration of Compliance That a Contract Is Not Readily Susceptible to Manipulation

(c) Futures Contracts Settled by Cash Settlement. (1) Cash settlement is a method of settling certain futures or option contracts whereby, at contract expiration, the contract is settled by cash payment in lieu of physical delivery of the commodity or instrument underlying the contract. An acceptable specification of the cash settlement price for commodity futures and option contracts would include rules that fully describe the essential economic characteristics of the underlying commodity (e.g., grade, quality, weight, class, growth, issuer, maturity, source, rating, description of the underlying index and index's calculation methodology, etc.), as well as how the final settlement price is calculated. In addition, the rules should clearly specify the trading months and hours of trading, the last trading day, contract size, minimum price change (tick size) and any limitations on price movements (e.g., price limits or trading halts).

Essential Economic Characteristics of the Contract Terms

The terms and conditions of the Contracts match the terms of interest rate swaps that are commonly offered in the market and are listed in Exhibit C.

Calculation of Cash Settlement Price

The cash settlement price will be calculated in the following manner:

- Fixed Leg – The payment amount is based on the following: notional amount, payment frequency, day count convention and fixed interest rate.
- Floating Leg – The payment amount is based on the following: notional amount, payment frequency, day count convention, floating interest rate index and floating reset dates.

All payments are settled in accordance with the payment frequency of the swap.

(2) Cash settled contracts may be susceptible to manipulation or price distortion. In evaluating the susceptibility of a cash-settled contract to manipulation, a designated contract market should consider the size and liquidity of the cash market that underlies the listed contract in a manner that follows the determination of deliverable supply as noted above in (b)(1). In particular, situations susceptible to manipulation include those in which the volume of cash market transactions and/or the number of participants contacted in determining the cash-settlement price are very low. Cash-settled contracts may create an incentive to manipulate or artificially influence the data from which

the cash-settlement price is derived or to exert undue influence on the cash-settlement price's computation in order to profit on a futures position in that commodity. The utility of a cash-settled contract for risk management and price discovery would be significantly impaired if the cash settlement price is not a reliable or robust indicator of the value of the underlying commodity or instrument. Accordingly, careful consideration should be given to the potential for manipulation or distortion of the cash settlement price, as well as the reliability of that price as an indicator of cash market values. Appropriate consideration also should be given to the commercial acceptability, public availability, and timeliness of the price series that is used to calculate the cash settlement price. Documentation demonstrating that the settlement price index is a reliable indicator of market values and conditions and is commonly used as a reference index by industry/market agents should be provided. Such documentation may take on various forms, including carefully documented interview results with knowledgeable agents.

The Contracts operate in a very liquid market with numerous participants. Also, the cash settlement price is not easily susceptible to manipulation or distortion as the method of determining the price is based on factors that are fixed at the start of the particular Contract (*i.e.*, payment frequency, day count conventions, fixed interest rate, floating reset dates) and the applicable reference rate. Each of the available reference rates is widely accepted by market participants and data is readily accessible through numerous news outlets. Some of the currencies and associated benchmarks are, of course, less widely traded than others.

(3) Where an independent, private-sector third party calculates the cash settlement price series, a designated contract market should consider the need for a licensing agreement that will ensure the designated contract market's rights to the use of the price series to settle the listed contract.

(i) Where an independent, private-sector third party calculates the cash settlement price series, the designated contract market should verify that the third party utilizes business practices that minimize the opportunity or incentive to manipulate the cash-settlement price series. Such safeguards may include lock-downs, prohibitions against derivatives trading by employees, or public dissemination of the names of sources and the price quotes they provide. Because a cash-settled contract may create an incentive to manipulate or artificially influence the underlying market from which the cash-settlement price is derived or to exert undue influence on the cash-settlement computation in order to profit on a futures position in that commodity, a designated contract market should, whenever practicable, enter into an information-sharing agreement with the third-party provider which would enable the designated contract market to better detect and prevent manipulative behavior.

As described above, the cash settlement price is calculated through a cash settlement method that is not easily susceptible to manipulation.

(ii) Where a designated contract market itself generates the cash settlement price series, the designated contract market should establish calculation procedures that safeguard against potential attempts to artificially influence the price. For example, if the cash settlement price is derived by the designated contract market based on a survey of cash market sources, the designated contract market should maintain a list of such entities which all should be reputable sources with knowledge of the cash market. In addition, the sample of sources polled should be representative of the cash market, and the poll should be conducted at a time when trading in the cash market is active.

Please see above.

(iii) The cash-settlement calculation should involve computational procedures that eliminate or reduce the impact of potentially unrepresentative data.

(iv) The cash settlement price should be an accurate and reliable indicator of prices in the underlying cash market. The cash settlement price also should be acceptable to commercial users of the commodity contract. The registered entity should fully document that the settlement price is accurate, reliable, highly regarded by industry/market agents, and fully reflects the economic and commercial conditions of the relevant designated contract market.

Please see above.

(v) To the extent possible, the cash settlement price should be based on cash price series that are publicly available and available on a timely basis for purposes of calculating the cash settlement price at the expiration of a commodity contract. A designated contract market should make the final cash settlement price and any other supporting information that is appropriate for release to the public, available to the public when cash settlement is accomplished by the derivatives clearing organization. If the cash settlement price is based on cash prices that are obtained from non-public sources (e.g., cash market surveys conducted by the designated contract market or by third parties on behalf of the designated contract market), a designated contract market should make available to the public as soon as possible after a contract month's expiration the final cash settlement price as well as any other supporting information that is appropriate or feasible to make available to the public.

The various reference rates are readily available via a number of sources.

(4) Contract terms and conditions requirements for futures contracts settled by cash settlement.

(i) An acceptable specification of the terms and conditions of a cash-settled commodity contract will also set forth the trading months, last trading day, contract size, minimum price change (tick size) and daily price limits, if any.

Please see Exhibit C for the Contracts' terms and conditions.

(A) *Commodity Characteristics*: The terms and conditions of a commodity contract should describe the commodity underlying the contract.

The reference rates are included in the terms and conditions. As noted above, each of these rates is widely used in the market.

(B) *Contract Size and Trading Unit*: An acceptable specification of the trading unit would be a contract size that is consistent with customary transactions in the cash market. A designated contract market may opt to set the contract size smaller than that of standard cash market transactions.

The Contract sizes are consistent with customary transaction sizes in the market.

(C) *Cash Settlement Procedure:* The cash settlement price should be reliable, acceptable, publicly available, and reported in a timely manner as described in paragraphs (c)(3)(iv) and (c)(3)(v) of this appendix C.

The cash settlement procedure and an explanation of how, in the context of these Contracts, it is not readily susceptible to manipulation, is described above.

(D) *Pricing Basis and Minimum Price Fluctuation (Minimum Tick):* The minimum price increment (tick) should be set a level that is equal to, or less than, the minimum price increment commonly observed in cash market transactions for the underlying commodity. Specifying a futures' minimum tick that is greater than the minimum price increment in the cash market can undermine the risk management utility of the futures contract by preventing hedgers from efficiently establishing and liquidating futures positions that are used to hedge anticipated cash market transactions or cash market positions.

As agreed between counterparties.

(E) *Maximum Price Fluctuation Limits:* Designated contract markets may adopt price limits to: (1) Reduce or constrain price movements in a trading day that may not be reflective of true market conditions but might be caused by traders overreacting to news; (2) Allow additional time for the collection of margins in times of large price movements; and (3) Provide a “cooling-off” period for futures market participants to respond to bona fide changes in market supply and demand fundamentals that would lead to large cash and futures price changes. If price-limit provisions are adopted, the limits should be set at levels that are not overly restrictive in relation to price movements in the cash market for the commodity underlying the futures contract. For broad-based stock index futures contracts, rules should be adopted that coordinate with New York Stock Exchange (“NYSE”) declared Circuit Breaker Trading Halts (or other market coordinated Circuit Breaker mechanism) and would recommence trading in the futures contract only after trading in the majority of the stocks underlying the index has recommenced.

As agreed between counterparties.

(F) *Last Trading Day:* Specification of the last trading day for expiring contracts should be established such that it occurs before publication of the underlying third-party price index or determination of the final settlement price. If the designated contract market chooses to allow trading to occur through the determination of the final settlement price, then the designated contract market should show that futures trading would not distort the final settlement price calculation.

The last trading day will be the maturity date of each contract, which is set by the individual counterparties.

(G) *Trading Months:* Trading months should be established based on the risk management needs of commercial entities as well as the availability of price and other data needed to calculate the cash settlement price in the specified months. Specification of the last trading day should take into consideration whether the volume of transactions underlying the cash settlement price would be unduly limited by occurrence of holidays or traditional holiday periods in the cash market. Moreover, a contract should not be listed past the date for which the designated contract market has access to use a proprietary price index for cash settlement.

Payments are settled in accordance with the payment frequency of the particular contract, which is a flexible term.

(H) *Speculative Limits:* Specific rules and policies for speculative position limits are set forth in part 150 and/or part 151, as applicable, of the Commission's regulations.

None required by Parts 150 or 151.

(I) *Reportable Levels:* Refer to § 15.03 of the Commission's regulations.

tpSEF will adhere to the applicable reporting levels set forth in § 15.03 of the Commission's regulations.

(J) *Trading Hours:* Should be set by the designated contract market to delineate each trading day.

The Contracts are traded twenty-three hours a day from Sunday to Friday Eastern Time. The Contracts are not traded between 5:30 p.m. and 6:30 p.m. Eastern Time.