

**Bloomberg SEF LLC  
New Contract Submission 2013-09-P6  
September 30, 2013**

1. The Contract's terms and conditions are attached as Attachment A.
2. The intended listing date is October 2, 2013.
3. Attached, please find a certification that: (a) the Contract complies with the Act and the Commission regulations thereunder; and (b) concurrent with this submission, BSEF posted on its website: (i) a notice of pending certification of this Contract with the Commission; and (ii) a copy of this submission.

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

As required by Commission Regulation § 40.2(a), the following analysis, in the form of narrative and explanatory charts, demonstrates that the Contract is consistent with the requirements of the Act and the Commission regulations and policies thereunder (in particular, Appendix B to Part 37 and Appendix C to Part 38, respectively).

**Appendix B to Part 37—Demonstration of Compliance That a Contract Is Not Readily Susceptible to Manipulation**

**Core Principle 3 of Section 5h of the Act—Swaps Not Readily Susceptible to Manipulation. 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 counterparty. 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 counterparty and disadvantaging the other. Thus, careful consideration should be given to the potential for manipulation or distortion of the reference price.

### *Reference Price Not Readily Susceptible to Manipulation*

This Contract, a precious metals contract, is a cash-settled agreement between two counterparties to exchange a fixed price on a designated commodity (“reference commodity”) for a floating price on a designated futures contract on the reference commodity, at a given date (or date range, as explained below) in the future (“calculation period”). The fixed leg is thus determined at the start of the Contract and remains unchanged throughout the life of the swap. The floating leg, however, is based on the price of the designated futures contract for the reference commodity during the calculation period. As such, the reference price for the Contract is the price of the applicable futures contract. The source for the futures contract price will be the prices published by the respective exchanges (see below): London Metal Exchange, BM&F Bovespa, and the CME Group. This price is not readily susceptible to manipulation since, as the exchanges are self-regulatory organizations (“SROs”), futures data from these sites is reliable, widely-accepted, and publicly available.

**(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.**

### **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 Contract are in Attachment A, including:

<b>Contract Overview</b>	A precious metals contract is a cash settled agreement between two counterparties whereby one counterparty agrees to pay a fixed amount to the other counterparty on a given date, and in exchange the second counterparty will pay a floating amount to the first counterparty on the same given date. The fixed amount paid is determined based on the notional quantity traded and the price of the reference commodity. The floating amount paid is determined based on the notional quantity and the price of an applicable futures contract based on the reference commodity over an agreed future calculation period.
<b>Reference Commodities</b>	<ul style="list-style-type: none"> <li>• Gold</li> <li>• Silver</li> <li>• Palladium</li> <li>• Platinum</li> </ul>
<b>Contracts on Reference Commodities</b>	<ul style="list-style-type: none"> <li>• NYMEX Palladium</li> <li>• NYMEX Platinum</li> <li>• COMEX Gold</li> <li>• COMEX Silver ICE Gasoil (Monthly)</li> </ul>
<b>Settlement Currency</b>	List of available currencies are in Attachment A.
<b>Quoting Convention and Minimum Increment</b>	Notional amount, as agreed by the counterparties.
<b>Minimum Size</b>	Notional amount, as agreed by the counterparties.
<b>Notional Currency</b>	List of available currencies are in Attachment A.
<b>Trading Conventions</b>	Buy or Sell which refers to whether or not the fixed amount is paid (buy) or received (sell).
<b>Calculation Period</b>	Can be a single date or date range over which the reference price of the commodity will be calculated. If a date range the reference price will be averaged across all days.
<b>Trade Date</b>	The date on which counterparties enter into the contract.
<b>Settlement Date</b>	Specified settlement or payment date when the fixed payment amount and the floating payment amount are exchanged (can be netted)
<b>Settlement Procedure</b>	Bilateral cash settlement performed in settlement currency.
<b>Trading Hours</b>	00:01 – 24:00 Sunday-Friday (Eastern Time).
<b>Block Size</b>	As set forth in Appendix F to Part 43 of the Commission's Regulations.
<b>Speculative Limits</b>	As set forth in Part 151 of the Commission's Regulations.
<b>Reportable Levels</b>	As set forth in Commission's Regulation §15.03.

As described above, this is a commodity swaps contract in which the counterparties exchange a fixed price on a reference commodity (see list above and in Attachment A) and a floating price based on a futures contract on the reference commodity (see list above and in Attachment A) at a specified future date. This Contract has several flexible terms. For instance, counterparties are able to choose the commodities on which to base the Contract, from a list of commodities (see above and Attachment A). Counterparties are also able to choose the currency (from a list of currencies above and in Attachment A) on which the notional value and the settlement value,

respectively, will be based. Moreover, counterparties are able to choose whether the floating price will be the price of the futures contract on a single date or the average price over a specified date range. (If the counterparties choose the latter, the price would be averaged across all of the days.) Other flexible terms include the Contract's: notional amount, minimum size, and settlement date. The trading hours, however, are fixed at twenty-four hours, Sunday – Friday (ET). The Contract is not readily susceptible to manipulation because, though the Contract has many flexible terms, all of the essential terms, except for the floating price, are agreed upon at the start of the Contract. And, as noted above, the floating price is based on the price of the futures contract which is available through the respective exchanges – reliable and widely accepted sources.

### ***Contract Not Readily Susceptible to Manipulation***

The Contract is not susceptible to manipulation for a number of reasons. First, as noted above, all of the essential terms of the Contract are agreed upon at the start of the Contract and remain static throughout the life of the swap, except for the floating price. And, as noted, the floating price is based on the price of the applicable futures contract, which is available directly from the respective exchanges – reliable and widely accepted sources. Second, as indicated by volume data for futures contracts on the respective products,<sup>1</sup> the underlying markets are very liquid – making manipulation very difficult to achieve. Also, BSEF has a robust market surveillance program that is effectively able to surveil this market, detect uncommon activity, and investigate any such activity for signs of manipulation.

### ***Calculation of Cash Settlement Price***

As described above, the cash settlement price will be calculated thusly:

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<sup>1</sup> Futures contracts on London Metal Exchange commodities (year-to-date 2013 volume / August 2013 volume): (1) LME Zinc – 20,211,351 / 2,517,101; (2) LME Aluminum – 45,009,648 / 5,261,657 lots; (3) LME Aluminium Alloy – 410,140 / 48,036 lots; (4) LME Copper – 29,679,845 / 3,519,782; (5) LME Nickel – 8665891 / 1053362; (6) LME Tin – 1394095 / 181664; (7) LME Lead – 8686432 / 1043216; and (8) LME Steel Billet – 65840 / 3280; current data available at <http://www.lme.com/metals/reports/monthly-volumes/>. Futures contracts on BM&F Bovespa Live Cattle (trading volume on 9/27/2013 / financial volume on 9/27/13) – 5,476 / \$88,415,189, current data available at <http://www.bmfbovespa.com.br/shared/iframe.aspx?altura=1200&idioma=en-us&url=www2.bmf.com.br/pages/portal/bmfbovespa/boletim2/resumoOperacoes2.asp>. Futures contracts on CBOT commodities (year-to-date 2013 volume / August 2013 volume): (1) CBOT Corn - 45,232,627 / 6,128,160; and (2) CBOT Wheat – 18,232,894 / 2,487,001; current data available at <http://www.cmegroup.com/market-data/volume-open-interest/>. NYMEX/COMEX commodities (year-to-date 2013 / August 2013): (1) NYMEX Henry Hub Natural Gas (Index Swap Future) - 85,328 / 9,700; (2) NYMEX Waha Natural Gas Basis Swap – 3,272 / 544; (3) NYMEX Permian Natural Gas Basis Swap - 1,327 / 62; (4) NYMEX New York Harbor Heating Oil - 44,871 / 5,690; (5) NYMEX WTI Crude - 270,600 / 33,326; (6) NYMEX Palladium 1,051,589 / 163,892; (7) NYMEX Platinum – 2,205,916 / 216,194; (8) NYMEX Iron Ore – futures 13,061 / 1,686; (9) COMEX Copper - 12,584,441–1,696,652; (10) COMEX Gold - 34,149,696 / 3,466,673; and (11) COMEX Silver - 10,441,033 / 1,652,477. Futures based on ICE products (year-to-date 2013 total volume / year-to-date 2013 average daily volume): (1) ICE Gasoil (Monthly) – 49,875,288 / 266,713; (2) ICE Brent Crude (Monthly) – 121,562,391 / - 650,066; and (3) ICE TTF Natural Gas (Monthly) 138,770 / 742; current data available at <https://www.theice.com/marketdata/reports/ReportCenter.shtml?reportId=28&productId=254&hubId=403#report/28>

- (a) On the last day of the calculation period – which could be either a single date or the last day of a date range, depending on the determination of the counterparties – the floating price will be determined based on the price of the futures contract for the reference commodity. If the counterparties choose to use a date range, the average across all of the days in the range will be used.
- (b) The counterparties will then calculate the difference between the fixed price on the reference commodity (determined at the start of the Contract) and the floating price, and multiply that difference by the notional amount based on the notional currency that the counterparties designated at the start of the Contract.
- (c) On the settlement date, which is also designated at the start of the Contract, the counterparties will exchange payment amounts (which can be netted) in the settlement currency, on which they agreed at the start of the Contract.

This method of cash settlement is consistent with the customary practice of cash-settling commodity swaps contracts in the market.

**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.**

As noted above, the Contract operates in liquid commodity markets with many participants. Also, as noted above, the cash settlement price is not easily susceptible to manipulation or distortion as the method of determining the price is based on (a) factors that are fixed at the start of the contract, and (b) a reliable reference price.

**(3) Where an independent, private-sector third counterparty 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 counterparty calculates the cash settlement price series, the designated contract market should verify that the third counterparty 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 the information on the price of futures contracts is publicly available, a licensing agreement is not necessary. Moreover, as the exchanges are SROs, they have robust provisions in place to prevent market manipulation, including comprehensive surveillance and continual oversight of their employees.

**(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 regarding the calculation of the cash settlement price.

**(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 regarding the calculation of the cash settlement price.

**(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 counterparties 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.**

Please see above regarding the calculation of the cash settlement price. The cash settlement price is publicly available on exchanges' websites.

**(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.**

As described above, the contract terms are attached as Attachment A. As noted above, while there are common terms such as the trading hours, many of the terms are flexible. Nevertheless, the terms are all within commonly accepted market norms.

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

The terms and conditions of the Contract specifically list the commodities on which counterparties can choose to base the Contract.

**(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 size of the Contract is as determined by the counterparties, which is consistent with customary transactions 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 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 determined by the 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 determined by the 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 last day of the calculation period, 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.



As noted above, netted payments will be made on the settlement date in accordance with the cash settlement method described above. No payments are made prior to the settlement date.

**(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.**

BSEF will comply with Parts 150 and 151 of the Commission's regulations.

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


BSEF 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 Contract is traded twenty-four hours a day (00:01 – 24:00), Sunday to Friday (ET).

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

I hereby certify that: 1) the “Foreign Exchange: Precious Metals Contract” complies with the Commodity Exchange Act, 7 U.S.C. §1 *et seq.* and regulations thereunder; and 2) concurrent with this submission, Bloomberg SEF LLC posted on its website: (a) a notice of pending certification of this Contract with the Commission; and (b) a copy of this submission.

  
By: Gregory Dumark  
Title: Chief Compliance Officer  
Date: September 30, 2013

**Attachment A**  
*Terms and Conditions*

[see attached]

# Bloomberg SEF LLC

## Foreign Exchange: Precious Metals Contract Specifications

<b>Contract Overview</b>	A <b>precious metals</b> contract is a cash settled agreement between two counterparties whereby one counterparty agrees to pay a fixed amount to the other counterparty on a given date, and in exchange the second counterparty will pay a floating amount to the first counterparty on the same given date. The fixed amount paid is determined based on the notional quantity traded and the price of the reference commodity. The floating amount paid is determined based on the notional quantity and the price of an applicable futures contract based on the reference commodity over an agreed future calculation period.
<b>Reference Commodities</b>	<ul style="list-style-type: none"><li>• Gold</li><li>• Silver</li><li>• Palladium</li><li>• Platinum</li></ul>
<b>Contracts on Reference Commodities</b>	<ul style="list-style-type: none"><li>• NYMEX Palladium</li><li>• NYMEX Platinum</li><li>• COMEX Gold</li><li>• COMEX Silver ICE Gasoil (Monthly)</li></ul>
<b>Settlement Currency</b>	A currency listed below.
<b>Quoting Convention and Minimum Increment</b>	Notional amount, as agreed by counterparties
<b>Minimum Size</b>	Notional amount, as agreed by counterparties
<b>Notional Currency</b>	A currency listed below.
<b>Trading Conventions</b>	Buy or Sell which refers to whether or not the fixed amount is paid (buy) or received (sell)
<b>Calculation Period</b>	Can be a single date or date range over which the reference price of the commodity will be calculated. If a date range the reference price will be averaged across all days.
<b>Trade Date</b>	The date on which counterparties enter into the contract
<b>Settlement Date</b>	Specified settlement or payment date when the fixed payment amount and the floating payment amount are exchanged (can be netted)
<b>Settlement Procedure</b>	Bilateral cash settlement performed in settlement currency
<b>Trading Hours</b>	00:01 -24:00 Sunday-Friday Eastern Time
<b>Block Size</b>	As set forth in Appendix F to Part 43 of the CFTC Regulations.
<b>Speculative Limits</b>	As set forth in Part 151 of the CFTC Regulations
<b>Reportable Levels</b>	As set forth in CFTC Regulation 15.03

# Bloomberg SEF LLC

## Currency list:

AED UAE Dirham	GBP British Pound	MZM Mozambique Metical
AFN Afghanistan Afghani	GEL Georgia Lari	MZN New Mozambique Metical
ALL Albanian Lek	GMD Gambian Dalasi	NGN Nigeria Naira (NDF)
AMD Armenia Dram	GNF Guinea Franc	NID New Iraqi Dinar
ANG Neth. Ant. Guilder	GTQ Guatemala Quetzal	NIO Nicaragua Cordoba
AOA Angolan Kwanza	GYD Guyana Dollar	NLG Dutch Guilder
ARS Argentine Peso (NDF)	HKD Hong Kong Dollar	NOK Norwegian Krone
ARS Argentine Peso	HNL Honduras Lempira	NPR Nepalese Rupee
AUD Australian Dollar	HRK Croatia Kuna	NZD New Zealand Dollar
AWG Aruban Guilder	HTG Haiti Gourde	OMR Omani Rial
BAM Bosnia-Herze Convrt Mrka	HUF Hungarian Forint	PAB Panamanian Balboa
BBD Barbados Dollar	IDR Indonesian Rupiah (NDF)	PEN Peruvian New Sol
BDT Bangladesh Taka	ILS Israeli Shekel	PGK Papua N.G. Kina
BGN Bulgarian Lev	INR Indian Rupee (NDF)	PHP Philippines Peso (NDF)
BHD Bahraini Dinar	ISK Iceland Krona	PKR Pakistani Rupee
BIF Burundi Franc	JMD Jamaica Dollar	PLN Polish Zloty
BMD Bermudian Dollar	JOD Jordanian Dinar	PTE Portuguese Escudo
BND Brunei Dollar	JPY Japanese Yen	PYG Paraguay Guarani
BOB Bolivian Boliviano	KES Kenyan Shilling	QAR Qatari Riyal
BRL Brazilian Real (NDF)	KGS Kyrgyzstan Som	ROL Romanian Leu
BSD Bahamas Dollar	KHR Cambodia Riel	RON New Romanian Leu
BWP Botswana Pula	KMF Comoros Franc	RSD Serbian Dinar
BYR Belarus Ruble	KRW South Korean Won (NDF)	RUB Russian Ruble (NDF)
BZD Belize Dollar	KWD Kuwaiti Dinar	RWF Rwanda Franc
CAD Canadian Dollar	KYD Cayman Islands Dollar	SAR Saudi Riyal
CDF Congolese Franc	KZT Kazakhstan Tenge	SBD Solomon Is. Dollar
CHF Swiss Franc	LAK Laos Kip	SCR Seychelles Rupee
CLF Chilean UF	LBP Lebanese Pound	SDD Sudanese Dinar
CLP Chilean Peso	LKR Sri Lankan Rupee	SDG New Sudanese Pound
CNY China Renminbi (NDF)	LTL Lithuanian Litas	SDP Old Sudanese Pound
COP Colombian Peso	LVL Latvian Lats	SEK Swedish Krona
CRC Costa Rican Colon	MAD Moroccan Dirham	SGD Singapore Dollar
CVE Cape Verde Escudo	MDL Moldova Leu	SIT Slovenia Tolar
CZK Czech Koruna	MGA Malagascy Ariary	SKK Slovakia Koruna
DJF Djibouti Franc	MKD Macedonia Denar	SLL Sierra Leone Leone
DKK Danish Krone	MMK Myanmar Kyat	SOS Somali Shilling
DOP Dominican Repb.	MNT Mongolian Togrog	SRD Suriname Dollar
DZD Algerian Dinar	MOP Macau Pataca	SSP South Sudanese Pound
EGP Egyptian Pound (NDF)	MRO Mauritania Ouguiya	STD Sao Tome Dobra
ERN Eritrean Nakfa	MUR Mauritius Rupee	SVC El Salvador Colon
EUR Euro	MVR Maldives Rufiyaa	THB Thai Baht
FJD Fiji Dollar	MWK Malawi Kwacha	THO Thai Baht Onshore
	MXN Mexican Peso	TJS Tajikistan Somoni
	MYR Malaysian Ringgit (NDF)	TND Tunisian Dinar

# Bloomberg SEF LLC

TOP Tonga Pa'Anga

TRY Turkish Lira

TTD Trinidad/Tobago Dol

TWD Taiwan Dollar (NDF)

TZS Tanzanian Shilling

UAH Ukraine Hryvnia (NDF)

UDI Mexican UDI

UGX Ugandan Shilling

USD US Dollar

USDCLF CHILEAN UNIDAD SP  
x10000

UYU Uruguay Peso

UZS Uzbekistan Sum

VEE Venezuela Essential Rate

VEF Venezuelan Bolivar

VND Vietnamese Dong (NDF)

VUV Vanuatu Vatu

WST Samoa (West) Tala

XAF CFA Franc Beac

XCD East Caribbean Dollar

XDR Special Drawing Rights

XOF CFA Franc Bceao

XPF Pacific Island Franc

XSU Sucre

YER Yemeni Rial

ZAR S. African Rand

ZMK Zambian Kwacha

ZMW Zambian Kwacha (NDF)

ZWR Zimbabwe Dollar